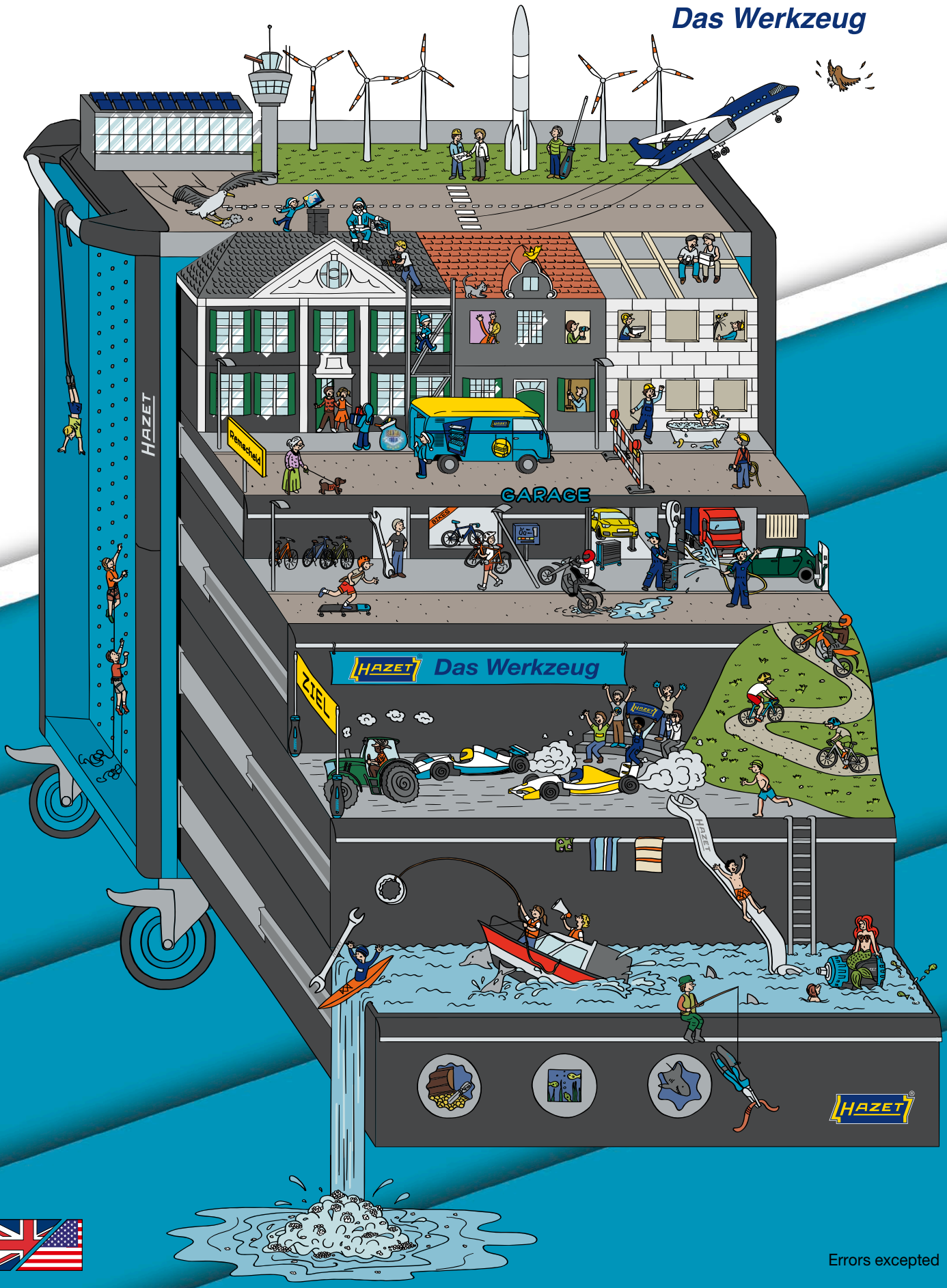
HAZET®

Das Werkzeug



WHB22/EN/XX/0

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Legend

Structure of the HAZET article number:	
-	In the case of a single article, you will find e.g. the wrench size after the hyphen [-] Example: 600 N-17 → Wrench size 17 mm
/	In the case of a set or an assortment, you will find the number of parts in the assortment after the slash [/]
A	American size (dimensions in inches)
S	For impact operation (e.g. impact wrench)
Z	12-point profile
G	With hinge
KK	With ball-head
K	Short design
Lg / TZ	Long or deep design
S Lg	Very long design
T	For inside TORX® screws
E	For outside TORX® screws
PH	For Phillips-Recess screws
PZ	For Pozidriv screws
L	Empty, e.g. tool box empty
H / HL	In holder / holder, empty
P / PL	In plastic insert / insert, empty
K / KL	In tool box / case / tool box, empty
R	With ring
VDE	Tool with protective insulation
MgT	With magnet
IG	For inside thread
AG	For outside thread
X	Material: stainless steel
N	New design due to change of model

Structure of the tables	
EAN-No. 4000896+	EAN = European Article Number
B	Width in mm
L	Length in mm
d *d1* *d2*	Diameter in mm
l1	Blade length in mm
l2	Total length in mm
M	Metric thread
s	Wrench size in mm or inches
sb	Clamping range in mm
st	Clamping depth in mm

Structure of the tables	
T	Depth in mm
t	Load in tons
mm	TORX® Size in mm
	Actuating force in kg
	Number of pieces in set/assortment

Explanations of icons	
Ⓔ	Components available (Pages 482 – 490) Please also see our spare parts shop **www.hazet.de/ersatzteil-shop**
	For slotted screws
	For Phillips-Recess screws (PH)
	For Pozidriv screws (PZ)
	For inside hexagon screws
	For outside hexagon screws
	For inside TORX® screws
	For tamper-resistant TORX® screws (Inside TORX® screws with pin)
	For outside TORX® screws
TORX®	TORX® is the trademark of Acument Intellectual Properties LLC. HAZET is licensee for the manufacture of TORX® Tools
	For screws with internal serration (XZN)
	For screws with internal serration with pin
	For spline socket screws (RIBE CV)
	For polydrive screws
	For inside 5-star screws with pin
	TRACTION PROFILE 6-point
	TRACTION PROFILE 12-point
1000 V	EN/IEC 60900
6.3 ¼"	Nominal size 6.3
10 ⅜"	Nominal size 10
12.5 ½"	Nominal size 12.5
20 ¾"	Nominal size 20
25 1"	Nominal size 25
	Inside square
	Outside square
	Inside hexagon
	Outside hexagon

Explanations of icons	
	Female connection in torque wrenches
	Drive of insert tools (torque wrenches)
	Body
	Drive
	Chassis Axles/shock absorbers Wheels/tie rods
	Oil Service
	Exhaust system
	Gearbox / shafts
	Motor electrical system
	Spark plug Glow plug
	Cylinder head Valves
	Test equipment
	Engine block Coolant pump Hose connections
	Ignition distributor alternator/generator
	Engine components Fuel supply Carburettor/Injection engine
	Clutch
	Starter
	Battery
	Piston
	Steering
	Brakes
	General workshop equipment
	Passenger car
	Commercial vehicle
	Agricultural machinery
	Motorcycles
	Industry
	Aircraft and Aerospace
CLIP WWW	HAZET INFORMATION TECHNICAL SERVICE Further information material at: www.hazet.de → H.I.T.S. video clips
	Borescope / Service technology
	Blister packed
HAZET blue	Registered community trade mark (RAL 660-2 effect)

Additional pictograms are explained at **https://www.hazet.de/de/der-anwendungs-berater/?type=Pictogram**

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Plant 4

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HAZET-WERK – Hermann Zerver GmbH & Co. KG · Wuppertal · HRA 17574 · VAT ID no. DE 120803534
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Technical specialist advice

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FAX +49 (0) 21 91 / 7 92-373
e-mail anwendungstechnik@hazet.de

Service Centre

The HAZET Service Centre is the direct contact and coordination point for services for all of our products.

In our specially equipped Service Centre, you can receive the best aftersales service with short response times and the complete HAZET competence.

Address:

HAZET-WERK
Service Centre
Güldenwerther Bahnhofstraße 17
42857 REMSCHEID

☎ +49 (0) 21 91 / 7 92-355
FAX +49 (0) 21 91 / 7 92-523

e-mail service-center@hazet.de

Mainly the HAZET Service Centre provides you with the following services:

- Repair, adjustment, calibration and certification of HAZET torque wrenches
- All service tasks on HAZET torque wrenches, pneumatic tools, tool trolleys and the rest of the catalogue programme
- Short response times
- Test equipment monitoring service for torque wrenches
- Contact partner in service matters

HAZET tools are used for:

ALFA ROMEO · AUDI · BAYER · CITROËN · DACIA · DAF · FENDT · FIAT · FORD · HARLEY-DAVIDSON · HONDA · HYUNDAI · JAGUAR · JEEP · KIA · LAND ROVER · LUFTHANSA · MAN · MAZDA · NISSAN · RENAULT · SAAB · SCANIA · SEAT · ŠKODA · SUBARU · SUZUKI · TELEKOM · TOYOTA · TRUMPF · VOLKSWAGEN

Innovative Manufacturing Competence developed and manufactured

Made in Germany



2200 SC-1 · 2200 SC-2

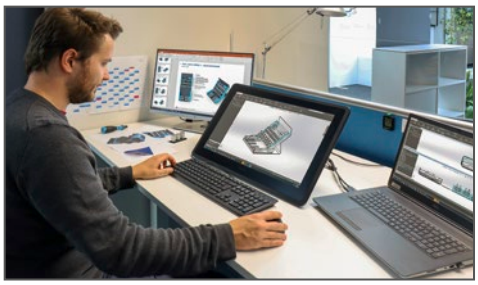
SmartCase

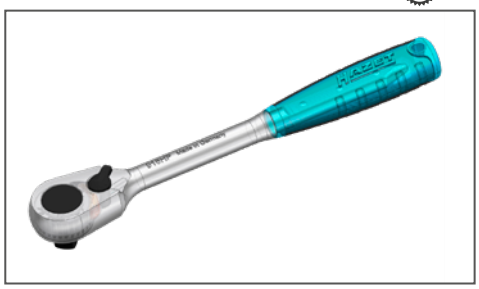


863 HP · 863 HP B · 8816 HP
916 HP · 916 HP L · 916 HP Lg

Fine-tooth reversible ratchet
863 HP · 863 HP B 6.3 ¼″ 120 Nm · 90
8816 HP 10 ⅜″ 400 Nm · 90
916 HP · 916 HP L 12.5 ½″ 1000 Nm · 90

Development





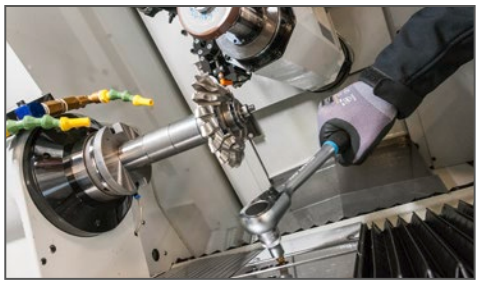
Production





Application





Marketing











SYSTEM 7000 sTAC

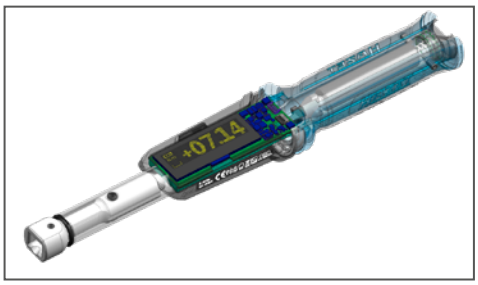
Electronic torque wrench
with built-in angle gauge, 1 – 1000 Nm,
± 1%

179 N XL

Tool trolley concept
in 4 variants

760-2

Universal pliers with
quick-adjust lever

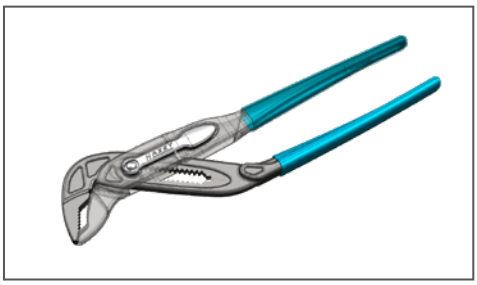


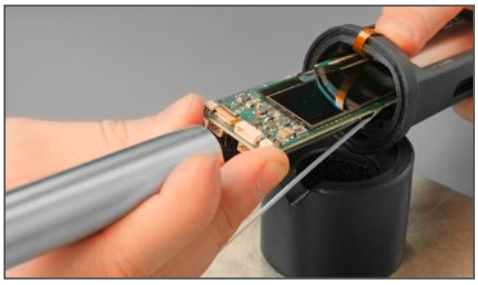
179 N
179 N X
[b 786 mm]

179 N XL
[b 959 mm]

179 N XXL
[b 1133 mm]











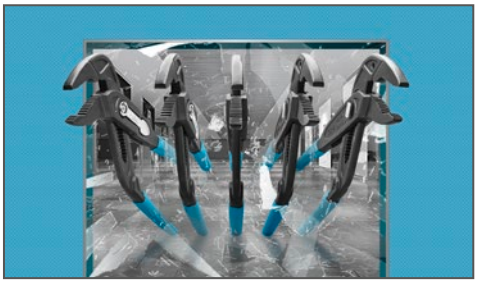












HAZET – Awards and recognitions







Winner of the “Best Brand Award” for the sixteenth time in a row!

HAZET was chosen by the readers of the magazine „Motorrad“ as the most popular tool brand „Best Brand“ from 2006 to 2021!

MOTORRAD BEST BRAND 2006 · MOTORRAD BEST BRAND 2007 · MOTORRAD BEST BRAND 2008 · MOTORRAD BEST BRAND 2009 · MOTORRAD BEST BRAND 2010 · MOTORRAD BEST BRAND 2011 · MOTORRAD BEST BRAND 2012
MOTORRAD BEST BRAND 2013 · MOTORRAD BEST BRAND 2014 · MOTORRAD BEST BRAND 2015 · MOTORRAD BEST BRAND 2016 · MOTORRAD BEST BRAND 2017 · MOTORRAD BEST BRAND 2018 · MOTORRAD BEST BRAND 2019 · MOTORRAD BEST BRAND 2020

MOTORRAD
BEST BRAND 2021
Kategorie: Werkzeuge

Manufacturing competence

Development – Production – Logistics

Development and design
Plant 1, Remscheid



Blanking
Plant 1, Remscheid



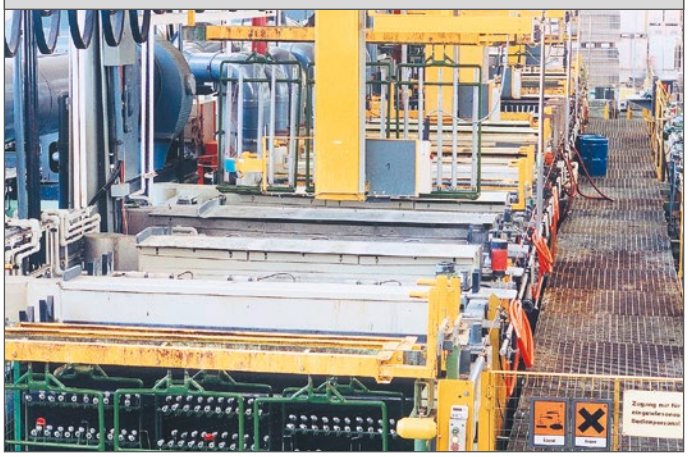
Tool and die making
Plant 1, Remscheid



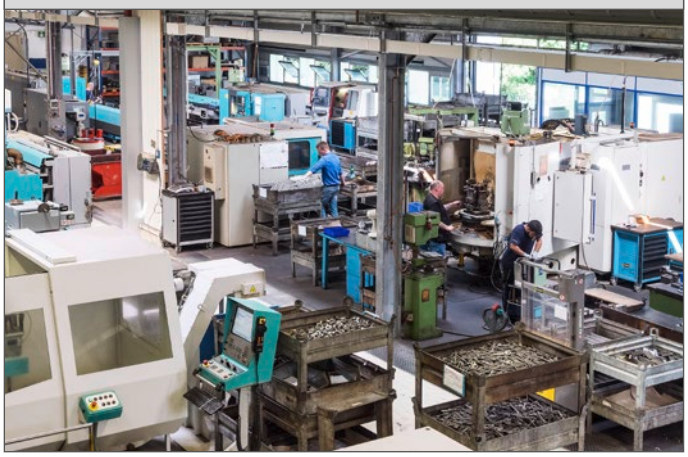
Production
Plant 1, Remscheid



Electroplating
Plant 2, Heinsberg



Production
Plant 1, Remscheid



We stand for solutions – from concept to series production

With over 150 years of experience in the development and production of hand tools, tool trolleys and special tools in three plants in Remscheid and one in Heinsberg, HAZET is one of the leading manufacturers for professional applications in industry, automotive engineering and aeronautics.

Production
Plant 2, Heinsberg



Robotic manufacturing of blanks
Plant 2, Heinsberg



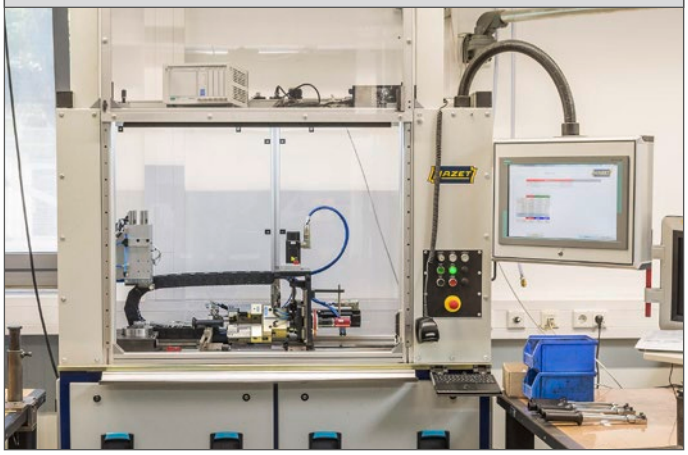
Sheet metal forming
Tool trolley production *Assistent*®
Plant 3, Remscheid



Powder coating
Plant 3, Remscheid



Torque wrench assembly
Plant 4, Remscheid



Logistics Centre
Plant 2, Heinsberg



Quality assurance and sustainability

HAZET management system for quality – environment – energy



“In our family company, we focus on services for the community and the environment alongside our economic aims, in order to ensure we can do business sustainably for generations to come.

For us, it goes without saying that we assume a role model function and integrate the necessary sense of responsibility into the company in terms of protecting and conserving the environment. We therefore also place great value on maintaining our standards when selecting our suppliers and service providers. We also set the bar very high for safety at work as our employees are our most important asset.”

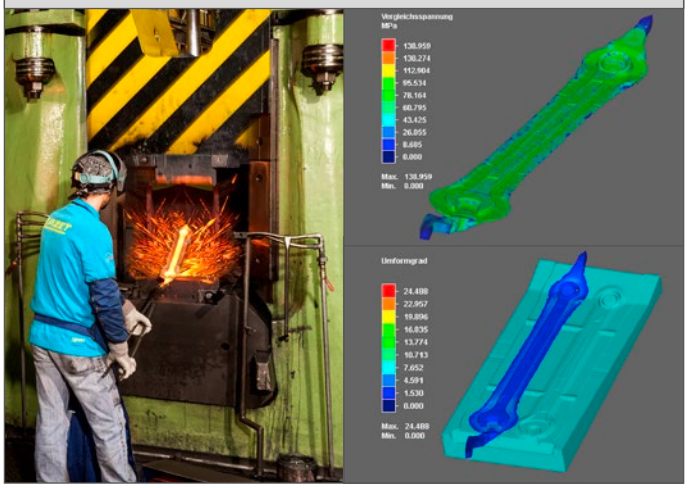
Your HAZET management team

Sustainability measures

- Green energy
- Use of steel from Germany (environmentally friendly thanks to shorter transport distances)
- Conservation of resources
- Energy evaluation
- In-house production proportion of approx. 80 %
- Safety at work
- Continual optimisation measures
- Ökoprofit Award (resource efficiency and cost-effectiveness)
- ISO 14001 Certificate (environmental management standard with focus on a continuous improvement process)
- KlimaInvest Green Concepts GmbH certifies that our Plant 2 in Heinsberg gets eco-electricity exclusively from renewable energy plants
- FSC paper (responsibly sourced paper) use in packaging and catalogues
- ISO 50001 certificate (energy management with a focus on increasing energy efficiency)
- PARTSLIFE environmental prize for a sustainable overall concept in environmental management

Consistently high quality standards from the initial product idea through to the after-sales service

High-tech programme
for simulation e.g. of forging processes



Prototyping –
for testing the first design drafts and functionalities



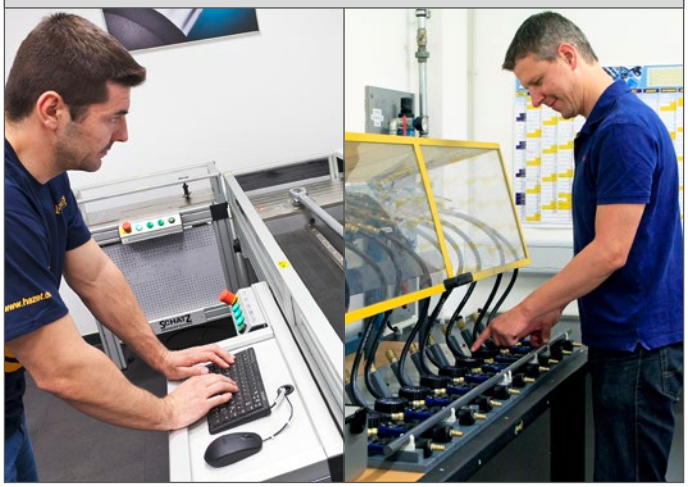
Maximum precision
and accuracy in all production processes



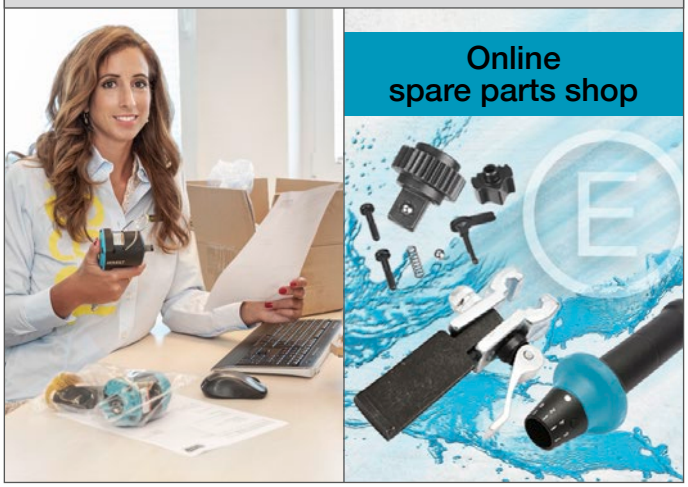
Service lifetime tests –
Alongside high loads, endurance tests are the focus of our quality assurance



Own DAkkS calibration laboratory
and HAZET calibration facility



Service centre –
the best after-sales service even long after purchase!



Service – Training – Competence and Quality

HAZET-Welt
Show and training centre on 600 m²



Trade shows and exhibitions
65 x per year in Germany and abroad for you on site



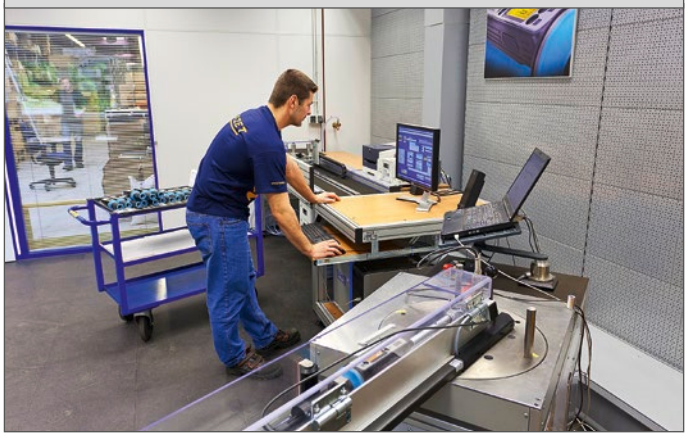
20 demonstration vans in Germany and abroad
for directly assisting customers



Competent specialist advice
Problem solver on four wheels



Own DAkkS calibration laboratory
Accredited according to DIN EN ISO/IEC 17025



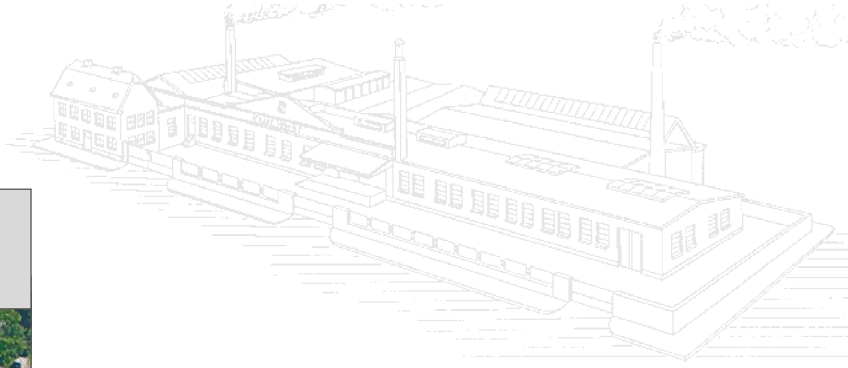
Integrated management system
for quality, environment and energy in accordance with DIN EN ISO 9001, DIN EN ISO 14001 and DIN EN ISO 50001



Short company profile



- HAZET was established in 1868 by Hermann Zerver.
- The brand name “HAZET” has its roots in the initials of its founder, where the „H“ (HA in German) stands for Hermann and the „Z“ (ZET in German) for Zerver.
- HAZET is now a fifth generation family business.



Production locations

Plant 1 · Remscheid

Blanking, production and administration



Plant 2 · Heinsberg

Logistics centre and production, for example, of reversible ratchets and sockets



Plant 3 · Remscheid

Sheet metal forming, powder system and production of tool trolleys *Assistent*®



Plant 4 · Remscheid

Torque technology





New Products and Specials

Cable drum 47



161 N-3 D → 47

L-Boxx 81



190 L-102 → 81 190 L-136 → 81

Screwdriver socket set · TORX® 95



163-587/35 → 95

Vice fastening 380



179 N-75 → 380

HiPer fine-tooth reversible ratchet · safety locking 133–151



863 HP S → 133
8816 HP S → 140
916 HP S → 151

Spin type speeder with T-handle 134



866-10 → 134

FORD wheel screw connection socket 161



900 S Lg-18 x 20 → 161

Impact extension 161



917 S-3 → 161

Tool set TORX® 177



1557/35 → 177

Bit holder 203



810 BHK → 203

Ratcheting bit screwdriver 203



810 R-3 810 R-4

SmartCase screwdriver bit set 200



2200 SC-1 → 200

New Products and Specials

SmartCase socket set

200



2200 SC-2 → 200

Bits with colour code

201–202





2215 N-PH 1/3 → 201	2204 N S Lg-3/3 → 202	2223 N-T 6/3 → 201
2215 N S Lg-PH 1/3 → 201	2208 N-2/3 → 201	2223 N S Lg-T 10/3 → 201
2216 N-PZ 1/3 → 201	2204 N-2/3 → 202	
2216 N S Lg-PZ 1/3 → 201	2223 N-T 7 H/3 → 202	

Socket · hexagon · long · with protective insulation

255



900 Lg-10 KV → 255 900 Lg-12 KV → 255

Torque wrench · with insert square

287



5280-3 CT → 287

Twin Turbo impact wrench · long spindle

323



9014 Lg TT → 323

Wash-gun set

348



9048 P-2/3 → 348

Heat gun

361



1990 N/6 → 361

Cordless reciprocating saw

360



9234-1/4 → 360

Borescope set · semi-flexible probe · Ø 5.5 mm

368



4812-21/5 S → 368

Borescope set · swivelling probe 180° Ø 4.5 mm

367



4812-21/5 AF → 367

Swivelling probe 180° · Ø 4.5 mm · front camera

368



4812-21 AF → 368

New Products and Specials

Semi-flexible probe · Ø 5.5 mm · front camera: 0° 369



4812-21 S → 369

LED light 371



1979 N-85 → 371 1979 N-92 → 371

LED light · wireless charging 373



1979 W-85 → 373 1979 W-92 → 373

LED light set · wireless charging 373



1979 W 1/3 → 373

Brush oiler 378



2160-1 → 378

Oil filter wrench 412



2169-12 → 412 2169-13 → 412

Supplementary set · Half shell pair 448



1847-128/2 → 448

Universal inside spring vice 431



4904/6 → 431

Support device 432



4912-6 → 432

Universal spreader · mechanical 436



4912-5 → 436

Door hinge screwdriver bit 464



2597-04 → 464


HAZET
MADE IN GERMANY
HAZET
Assisten
179N

Tool Trolleys *Assistent*®	**31 – 41**
Work Benches / Tool Cabinets	**42 – 46**
Tool Trolley / Work Bench Accessories	**46 – 51**
Tool Trolleys *Assistent*® with Assortment	**52 – 75**
Work Benches *Assistent*® with Assortment	**76 – 79**
Tool Cases	**80 – 81**
Tool Assortments	**82 – 84**
Tool Modules	**85 – 103**

HAZET tool trolleys – Job well done – by HAZET!



HAZET YouTube channel

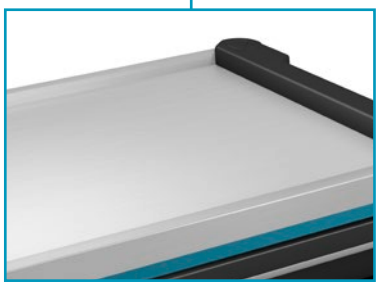
Assistent®

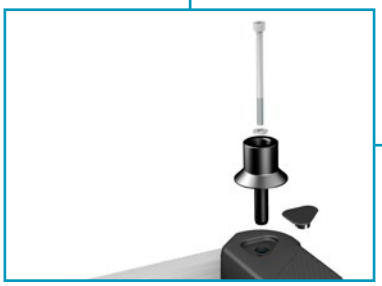
Made in Germany



Errors excepted

Components and spare parts
from page 482 to 490

















Work surfaces, edge protection and drawer fronts

- **179 N** with plastic or **179 N X, 179 N XL, 179 N XXL** with stainless steel work surface
- Much bigger storage and work area, depending on trolley variant up to 30 %

1

Work areas

- Fully sealed, solvent-resistant plastic or stainless steel work surface protects inside of trolley from leaking liquids
- Extra protection through high-quality plastic end caps
- Stainless steel work surface (**179 N X, 179 N XL, 179 N XXL**)
- Interfaces integrated in the work area for accessories such as laptop holders and top modules

2

Body / Pull-handle

- Extremely robust design thanks to dual-wall structure
- Complete welded construction of the entire body for tough daily workshop use
- Optimised, yielding edge protection on all four corners with real impact protection thanks to internal damping concept
- Ergonomically optimised pull handle for better manoeuvrability
- Left metal handle, powder coated in black for the **179 N** or robust brushed stainless steel handle for the **179 N X** and **179 N XL** and **179 N XXL**

3

Locking concept

- Ergonomically arranged side lock position for better operability protects keys and lock against damage
- Highly secure closing system with new central locking technology for optimum protection of your property
- 2-stage locking:
  - Central locking, lockable with cylinder lock and two folding keys
  - Mutual drawer locking for a minimum tilting risk

4

Drawer concept

- Self-closing and reciprocal locking of the drawers prevents unwanted opening
- Loading capacity per drawer
  25 kg: 179 N · 179 N X
  40 kg: 179 N XL · 179 N XXL
- 100% slide-out with ball-bearing telescopic rails
- New drawer design for optimum use of the interior
- New drawer fronts for optimised handling
- New dirt-insensitive drawer coating for easy cleaning
- Drawer size for order system 3/3+
- Flat drawer (*h* 76.5 mm), drawer, high (*h* 161 mm)

5

High performance chassis

- Large wheels with high loading capacity (∅ 125 mm) with precision ball bearing and dual ball race in the swivel bearing, easy manoeuvrability, even with high dynamic load
- 2 swivel castors with double stop function: fixed castor prevents inadvertent rolling of the trolley, fixed swivel bearing prevents the castors from swivelling, e.g. on an inclined surface
- Protective ring prevents dirt and threads from getting in
- Non-marking elastic tyres enable smooth movement

Components and spare parts
from page 482 to 490

Mobile work bench

Assistent® 179 N W



HAZET YouTube channel

❶
Cable duct on rear panel allows battery devices to be charged when the door is closed, for instance

❷
Lock located in the centre (central locking and cylinder lock) closes the door and drawers at the same time. One key for locking the door and drawer at the same time. (Included in delivery: 2 keys)

❸
Optimised, yielding edge protection on all four corners with real impact protection thanks to internal damping concept

❹
Complete welded construction of the entire body for tough daily workshop use

❺
Additional rectangular perforation for tool holder, e.g. HAZET 112-230

❻
6 flat drawers, loading capacity 25 kg, 76 mm high

❼
1 heavy duty drawer, loading capacity: 40 kg, 161 mm high

❻ + ❼
100% drawer slide-out with ball-bearing telescopic rails – self-closing. Mutual drawer locking for a minimum tilting risk

❽
Intermediary tray adjustable in 9 positions, permanently mounted door

❾
Wood multiplex birch work surface, replaceable

Made in Germany

Components and spare parts from page 482 to 490

Tool trolley and work bench accessories



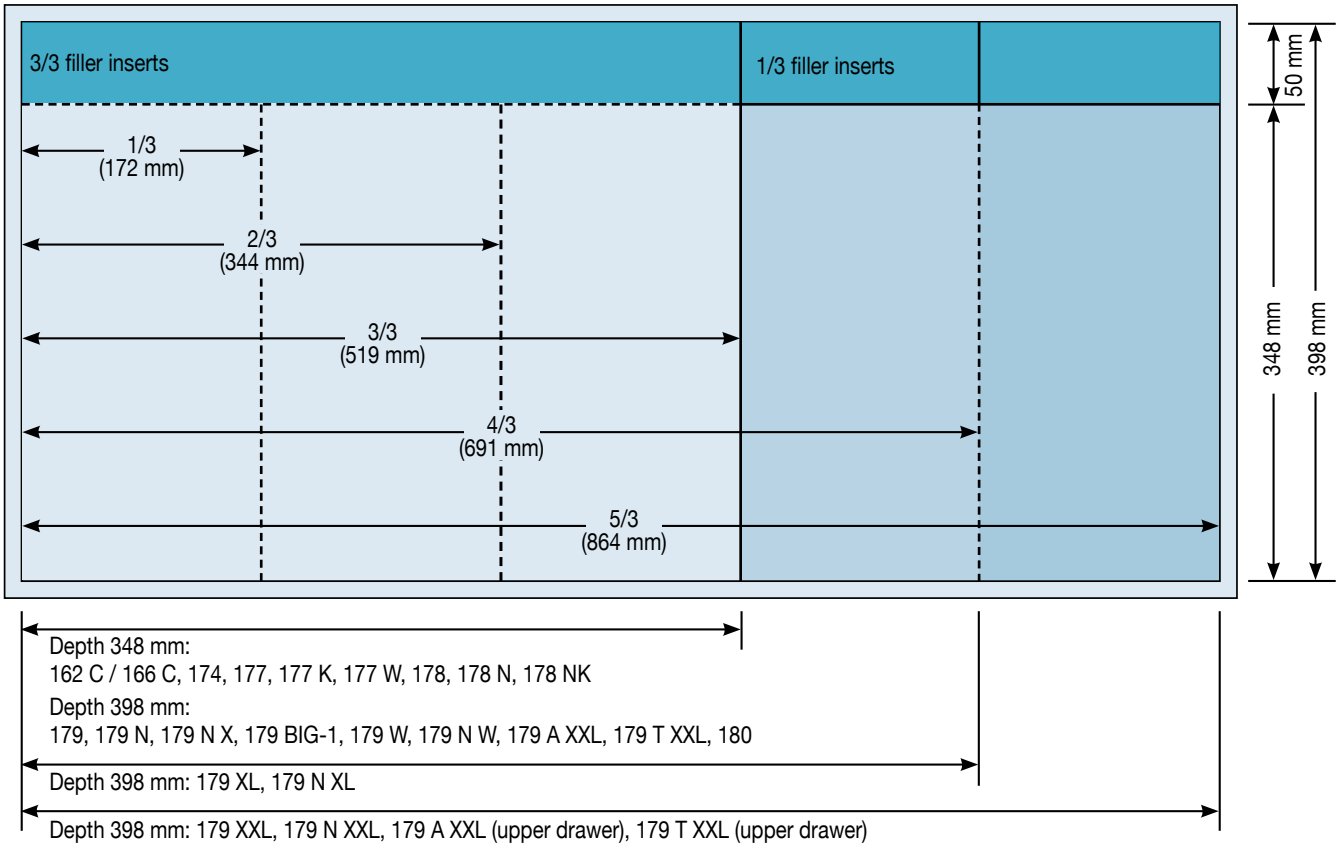
HAZET No.	Designation	Tool trolley Assistent type:								
		166 C	167 T	167-3 S	177	177 W	178 N	179 N (X)	179 N W	179 N XL	179 N XXL
112/11	Tool holder		X 4)	X	X	X	X	X	X	X	X
161 T-178 N/4	Separation sheet set						X				
161 T-179 N XL/5	Separation sheet set									X	
161 T-179 N XL/5 H	Separation sheet set									X	
161 T-179 N XXL/6	Separation sheet set										X
161 T-179 N XXL/6 H	Separation sheet set										X
161 T-179 N/4	Separation sheet set							X	X		
161 T-179 N/4 H	Separation sheet set							X	X		
161 T-347 x 120/5	Separation sheets				X	X					
161 T-347 x 60/5	Separation sheets				X	X					
161 T-395 x 120/5	Separation sheets							X	X	X	X
161 T-395 x 60/5	Separation sheets							X	X	X	X
161 N-3 D/2	Cable drum			X	X	X	X	X	X	X	X
161-1	Anti-slipping mat				X	X	X				
161-9	Window pane holder	X 1)									
162 C-5	Container for small parts	X	X								
162 C-6/5	Separation sheets for intermediary tray	X									
167 T 23	Storage board		X								
167 T 26	Perforated tool panel		X								
173-38	Anti-slipping mat									X	
177 W-21	Door					X					
179 N W-11	Machinist's vice fastening set					X			X		
179 N W-22	Shelf drawer								X		
179 N W-23	Tray								X		
179 N W-26	Vertical tool panel								X		
179 N XL-26	Vertical tool panel									X	
179 N XXL-26	Vertical tool panel										X
179 N-19	Small parts collector							X	X	X	X
179 N-21	Side door							X		X	X
179 N-26	Vertical tool panel							X			
179 N-33	Paper bin			X	X	X	X	X	X	X	X
179 N-35	Can holder		X 4)	X	X	X	X	X	X	X	X
179 N-40	Basic fixture							X		X	X
179 N-42	Laptop holder · complete							X		X	X
179 N-45	Tray holder				X 2)		X 2)	X 2)		X 2)	X 2)
179 N-75	Vice fastening							X		X	X
179 W-40	Basic fixture					X			X		
179 W-42	Laptop holder					X			X		
179-35	Can holder		X 4)	X	X	X	X	X	X	X	X
180-24	Document holder		X 4)	X	X	X	X	X	X	X	X
180-34	Holder for paper reel			X	X	X	X	X	X	X	X
180-35	Can holder		X 4)	X			X		X		
2175 N	Machinist's vice				X 3)	X 6)		X 5)	X 6)	X 5)	X 5)
2175 N-11	Washer				X						

1) To be used in pairs
2) Observe application note
3) Together with 2175 N-11
4) Together with 167 T 26
5) Together with 179 N-75
6) Together with 179 N W-11

Components and spare parts from page 482 to 490

The modules

The right insert for every drawer



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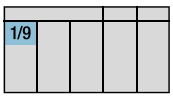
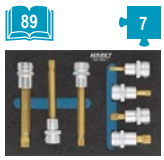




163-302/6



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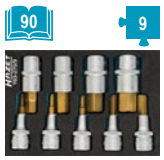

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163-245/12



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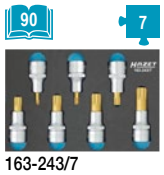

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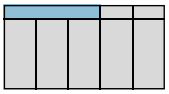
163-217/6

3/3 filler inserts



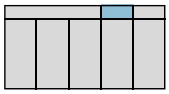


163-131/8



163-522 x 50

1/3 filler inserts





163-251/14



163-252/9



163-172 x 50

Components and spare parts
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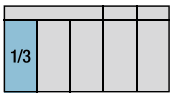
1/3



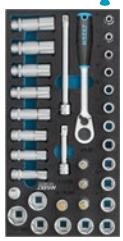

163-95/8


163-292/8


163-428/15


163-97/6


163-259/14

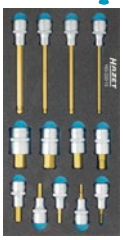

163-483/33


163-272/32


163-191/18

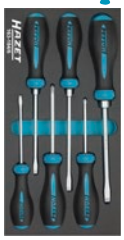

163-459/15

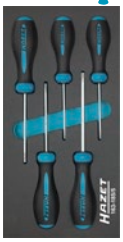

163-463/15


163-220/13


163-468/8


163-587/35


163-184/6

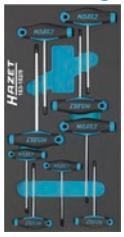

163-185/5


163-266/6


163-264/5


163-461/5


163-122/3


163-182/9


163-96/3


163-124/4

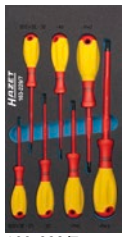

163-121/4


163-425/3


163-464/3


163-426/4


163-580/18


163-229/7

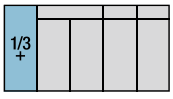

163-226/4


163-227/3


163-548/14


163-130 L

1/3+

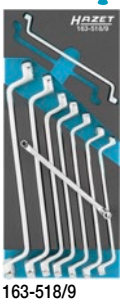



163-519/12


163-509/12


163-515/16


163-520/15


163-518/9


163-379/38

163-570/24

163-571/22

163-522/6

163-516/10

163-380/4

163-517/15

163-382/3

163-375/5

163-511/4

163-510/8

163-523/11

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2/3

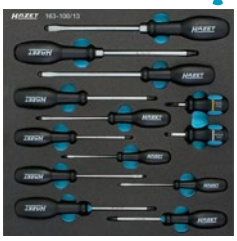

163-211/20


163-98/17


163-99/18

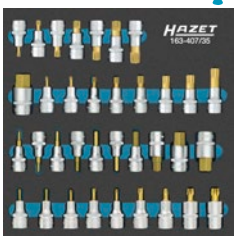

163-224/57


163-297/26


163-100/13


163-102/27


163-119/23


163-407/35


163-424/9


163-546/12

2/3+

2/3+


163-542/18

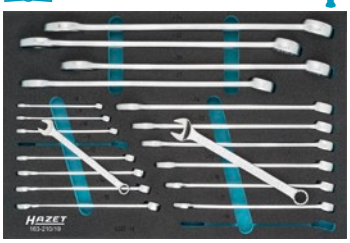

163-543/18


163-544/26


163-545/41

3/3

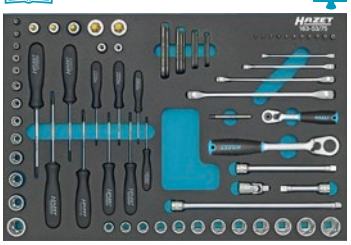
3/3


163-210/19


163-30/25


163-366/18


163-329/100


163-53/75


163-406/20

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3/3 (continued)

3/3

96 24



163-120/24

96 16



163-330/16

101 22

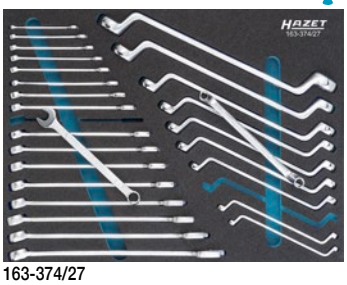


163-60/22

3/3+

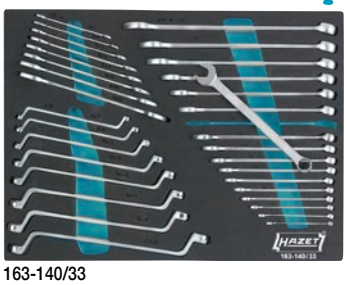
3/3+

88 27



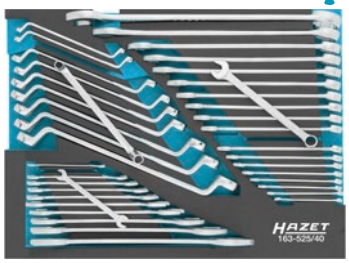
163-374/27

87 33



163-140/33

87 40



163-525/40

87 7



163-371/7

90 77



163-138/77

91 90



163-139/90

92 104



163-369/104

94 122



163-513/122

97 31



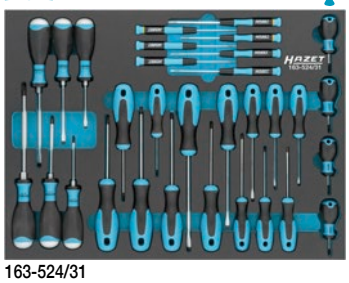
163-141/31

98 41



163-526/41

98 31



163-524/31

101 25



163-372/25

101 17



163-143/18

Components and spare parts
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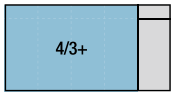
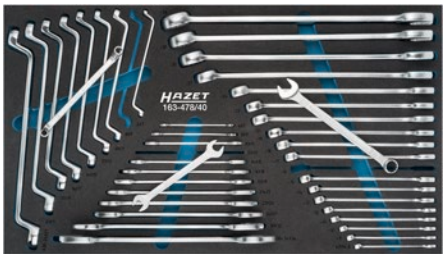
4/3+

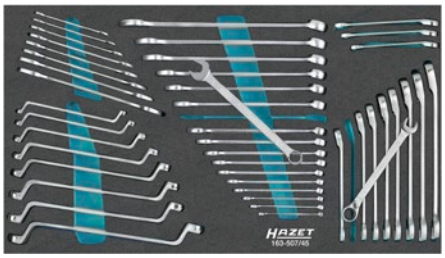


87 40



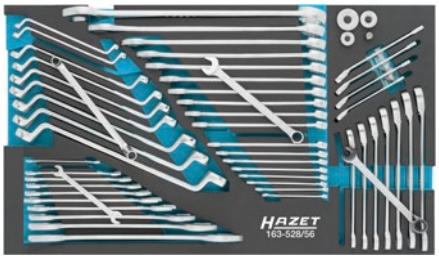
163-478/40

87 45



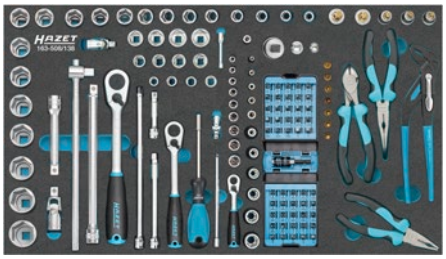
163-507/45

88 56



163-528/56

93 138



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93 194



163-481/194

93 160



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98 57



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97 56



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100 26



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Components and spare parts
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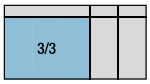
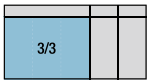
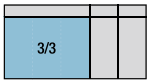
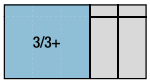
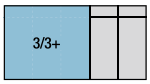
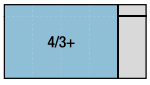
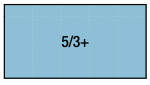
HAZET tool trolleys

Made in Germany

HAZET No.	Technical Specifications					Design			
	L x W x H mm	Total loading capacity (static) kg	Loading capacity per drawer kg	Drawer sliding-out %	Module size	Impact protection	Work-top	Drawer lock	
177-6 -7 	780 x 498 x 915	300	20	100%			Plastic, solvent resistant	Central locking individual drawer locking per drawer	31
178 N-7 	781 x 498 x 1037	480	20	100%			Plastic, solvent resistant	Central locking individual drawer locking per drawer	33
178 N K-3 	696 x 488 x 390	145	20	100%				Central locking individual drawer locking per drawer	33
179 N-6 ... -9 	785 x 518 x 1020	540	25	100%		All corners are protected by rubber edge protection	Plastic, solvent resistant	Self-closing central locking mutual drawer locking	35
179 N X-6 ... -8 	786 x 518 x 1020	540	25	100%		All corners are protected by rubber edge protection	Stainless steel	Self-closing central locking mutual drawer locking	35
179 N XL-6 ... -8 	959 x 518 x 1020	1000	40	100%		All corners are protected by rubber edge protection	Stainless steel	Self-closing central locking mutual drawer locking	37
179 N XXL-7 ... -8 	1133 x 518 x 1020	1000	40	100%		All corners are protected by rubber edge protection	Stainless steel	Self-closing central locking mutual drawer locking	38

Components and spare parts
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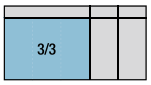
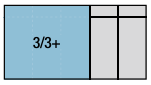
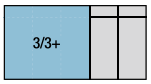
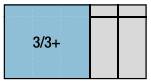
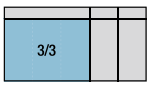
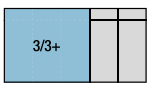
HAZET No.	Technical Specifications					Design			
	L x W x H mm	Total loading capacity (static) kg	Loading capacity per drawer kg	Drawer sliding-out %	Module size	Impact protection	Work-top	Drawer lock	
166 N 	680 x 350 x 965	300				Plastic profile for shock protection	PVC mat	Padlock	39
166 C 	725 x 398 x 1102	300				Plastic profile for shock protection	Wood multiplex beech	Padlock	39
167-3 	890 x 542 x 899	150			 3x				40
167-3 S 	888 x 541 x 899	150			 3x				40
167 T 	773 x 740 x 1345	150							41
177 W-6 -7 	1040 x 520 x 934	750	20	100%			Wood multiplex birch	Central locking individual drawer locking per drawer	42
179 N W-7 	1150 x 600 x 965	750	25 / 40	100%		All corners are protected by rubber edge protection	Wood multiplex birch	Self-closing central locking Mutual drawer locking	43

Tool Trolleys Assistent®

177 Tool trolley Assistent®

Made in Germany

• Tool trolley

- Large ball-bearing wheels (∅ 100 mm), easy manoeuvrability, even with high dynamic load
- 2 swivel castors (∅ 100 mm), 1 x lockable
- Thread guard – protects the bearings against dirt and threads
- Grey non-marking elastic tyres enable smooth movement
- Two-stage locking concept:
  – Central locking, lockable with cylinder lock and 2 keys
  – Individual drawer locking prevents unwanted drawer opening
  – 100% sliding-out with roller guides
- Total loading capacity (dynamic): 300 kg
- Loading capacity (static): 300 kg
- Worktop: Plastic, resistant to solvent, with integrated storage wells
- Loading capacity per drawer: 20 kg
- Colour: HAZET blue



The following accessories are available separately:

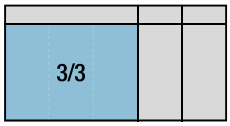
HAZET No.	Designation	
112/11	Tool holder	45
161-1	Anti-slipping mat	46
161 N-3 D/2	Cable drum	47
161 T-347 x 120/5	Separation sheets	46
161 T-347 x 60/5	Separation sheets	46
179-35	Can holder	48
179 N-35	Can holder	49

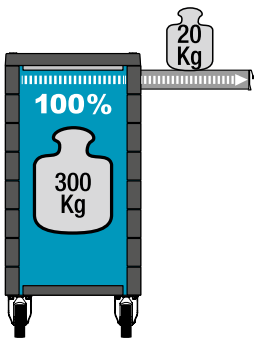
HAZET No.	Designation	
179 N-45	Tablet holder	50
180-24	Document holder	51
179 N-33	Paper bin	49
180-34	Holder for paper reel	51
2175 N	Machinist's vice	51
2175 N-11	Washer	51

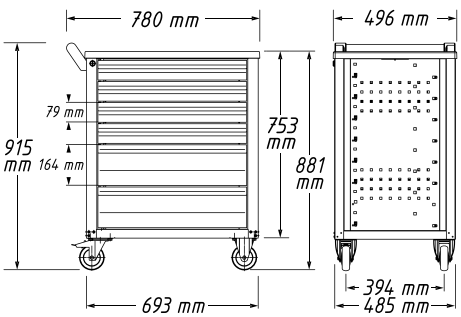












HAZET No.	L x W x H mm	79 x 527 x 348 mm	164 x 527 x 348 mm		kg	EAN-No. 4000896+
• 4 flat and 2 high drawers						
177-6	780 x 498 x 915	4x	2x	6x	62.8	148578
• 6 flat and 1 high drawer						
177-7	780 x 498 x 915	6x	1x	7x	64.8	148592

Components and spare parts
from page 482 to 490

178 N Tool trolley Assistent

Made in Germany

- **Tool trolley**

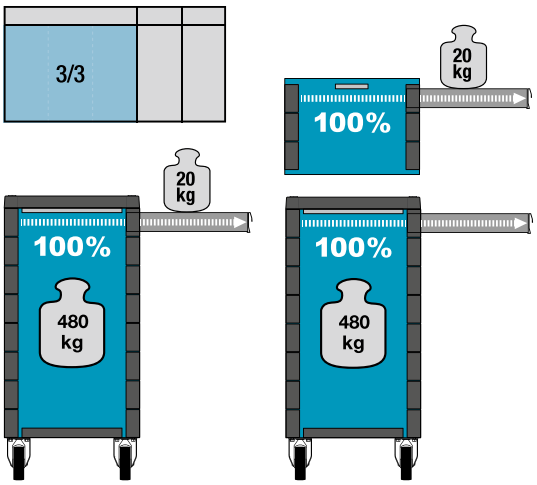
- Large ball-bearing wheels (125 mm), easy manoeuvrability, even with high dynamic load
- 2 swivel castors with double stop function: fixed castors prevent inadvertent rolling of the trolley, fixed swivel bearing prevents the castors from swivelling, e.g. on inclined surfaces
- Protective ring prevents dirt and threads from getting in
- Elastic tyres enable smooth movement
- Two-stage locking concept:
  – Central locking, lockable with cylinder lock and 2 folding keys
  – Individual drawer locking prevents unwanted drawer opening
  – 100% sliding-out with roller guides
- Total loading capacity (dynamic): 480 kg
- Loading capacity (static): 480 kg
- Worktop: Plastic, resistant to solvent, with integrated storage wells
- Loading capacity per drawer: 20 kg
- Colour: HAZET blue

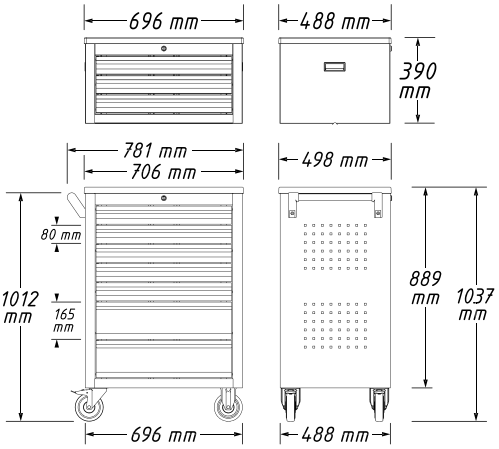


The following accessories are available separately:

HAZET No.	Designation	
112/11	Tool holder	45
161-1	Anti-slipping mat	46
161 N-3 D/2	Cable drum	47
161 T-178 N/4	Separation sheet set	47
179-35	Can holder	48
179 N-33	Paper bin	49

HAZET No.	Designation	
179 N-35	Can holder	49
179 N-45	Tablet holder	50
180-24	Document holder	51
180-34	Holder for paper reel	51
180-35	Can holder	51





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178 NK-3


178 N-10

►

178 N Tool trolley Assistent®

HAZET No.	L x W x H mm	80 x 527 x 348 mm	165 x 527 x 348 mm	kg	EAN-No. 4000896+
Tool trolley 178 N-7 • 5 flat drawers and 2 high drawers • Sturdy handle firmly attached to the trolley • Work surface: Plastic, resistant to solvent, with integrated storage wells • Work surface border strip prevents parts from falling down • Rectangular perforations on the side panels offer individual fastening options, e.g. for tool hooks of the article group HAZET 112 or other accessories such as can holder, holder for paper reel, paper bin, etc.					
178 N-7	781 x 498 x 1037	5x	2x	74.1	202782
178 N-10 consisting of tool trolley 178 N-7, tool chest 178 N K-3 **Tool trolley 178 N-7:** • 5 flat and 2 high drawers • Sturdy handle firmly attached to the trolley • Work surface: Plastic, resistant to solvent, with integrated storage wells • Work surface border strip prevents parts from falling down • Rectangular perforations on the side panels offer individual fastening options, e.g. for tool hooks of the HAZET 112 article group or other accessories such as a can holder, holder for paper reel, paper bin, etc. **Tool chest 178 N K-3:** • For Assistent® 178 N tool trolleys • 3 flat drawers • 2 sturdy handles firmly attached to the trolley • Optional: Work surface made from solvent-resistant plastic with integrated storage wells, HAZET No. 177-05					
178 N-10	781 x 498 x 1410	8x	2x	107.8	202805
Tool chest 178 N K-3 • For Assistent® 178 N tool trolleys • 3 flat drawers • 2 sturdy handles firmly attached to the trolley • Optional: Work surface made from solvent-resistant plastic with integrated storage wells, HAZET No. 177-05					
178 N K-3	696 x 488 x 390	3x	–	33.7	202799



Components and spare parts
from page 482 to 490

179 N Tool trolley Assistent

Made in Germany

- **Tool trolley**

Work areas
- Much larger storage and work areas in plastic (179 N) or stainless steel (179 NX)
- Fully sealed work surface protects inside of trolley from leaking liquids
- Interfaces integrated in the work area for accessories such as laptop holders and top modules

Body / Pull-handle
- Extremely robust design thanks to dual-wall structure
- Complete welded construction of the entire body for tough daily workshop use
- Optimised, yielding edge protection on all four corners with real impact protection thanks to internal damping concept
- Ergonomically optimised pull handle for better manoeuvrability

Locking concept
- Ergonomically arranged side lock position for better operability protects keys and lock against damage
- Highly secure closing system with central locking technology for optimum protection of your property
- 2-stage locking
  – Central locking, lockable with cylinder lock and 2 folding keys
  – Mutual drawer locking for minimum tilting risk

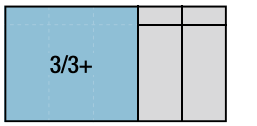
Drawer concept
- Self-closing and reciprocal locking of the drawers prevents unwanted opening
- 100% sliding-out with ball-bearing telescopic slides
- Drawer design for optimum use of the interior
- Drawer fronts for optimised handling
- Dirt-resistant drawer coating for easy cleaning

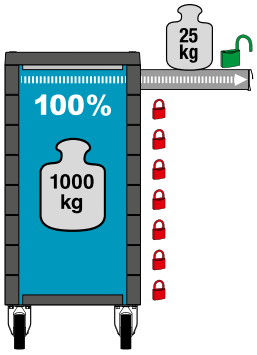
High performance chassis
- Large wheels with high loading capacity, precision ball bearing and dual rounded rim in the pivot bearing, easy manoeuvrability, even with high dynamic load
- 2 swivel castors with double stop function: fixed castor prevents inadvertent rolling of the trolley, fixed swivel bearing prevents the castors from swivelling, e.g. on an inclined surface
- Protective ring prevents dirt and threads from getting in
- Elastic tyres enable smooth movement

Assistent 179 N-6 – 9:
- Solvent-resistant plastic work surface
- Metal handle, powder coated in black

Assistent 179 N X-6 – 8:
- Stainless steel work surface
- Extra protection through high-quality plastic end caps
- Brushed stainless steel handle
- Total loading capacity (dynamic): 540 kg
- Loading capacity (static): 1000 kg
- Loading capacity per drawer: 25 kg
- Colour: HAZET blue







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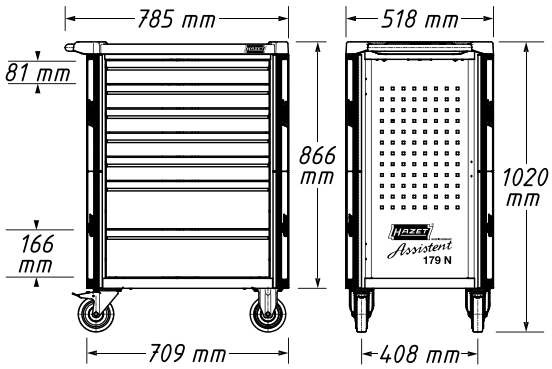
The following accessories are available separately:

HAZET No.	Designation	
112/11	Tool holder	45
161 N-3 D/2	Cable drum	47
161 T-179 N/4	Separation sheet set	47
161 T-179 N/4 H	Separation sheet set	47
161 T-395 x 120/5	Separation sheets	46
161 T-395 x 60/5	Separation sheets	46
179-35	Can holder	48
179 N-19	Small parts collector	49
179 N-21	Side door	49

HAZET No.	Designation	
179 N-26	Vertical perforated tool board	49
179 N-33	Paper bin	49
179 N-40	Basic fixture	49
179 N-42	Laptop holder · complete	49
179 N-45	Tablet holder	50
179 N-75	Vice fastening	50
180-24	Document holder	51
180-34	Holder for paper reel	51



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Components and spare parts from page 482 to 490

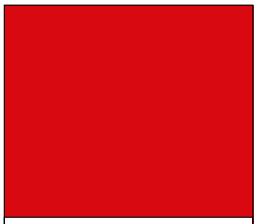
179 N Tool trolley Assistent



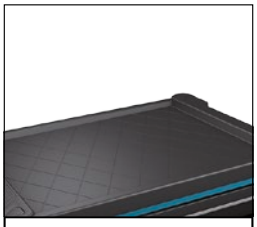








RAL 3020

RAL 9005

RAL 7021

179 N

179 NX

HAZET No.	L x W x H mm	81 x 522 x 398 mm	166 x 522 x 398 mm	kg	EAN-No. 4000896+
• 3 flat and 3 high drawers **179 N-6**	785 x 518 x 1020	3x	3x	90	214570
• 5 flat and 2 high drawers **179 N-7**	785 x 518 x 1020	5x	2x	90	214488
• 5 flat and 2 high drawers • Colour RAL 3020 (red) **179 N-7-RAL 3020**	785 x 518 x 1020	5x	2x	90	220212
• 5 flat and 2 high drawers • Colour RAL 9005 (matt black) **179 N-7-RAL 9005**	785 x 518 x 1020	5x	2x	90	220229
• 7 flat drawers and 1 high drawer **179 N-8**	785 x 518 x 1020	7x	1x	90	214587
• 7 flat drawers and 1 high drawer • Colour: RAL 7021 (black grey) **179 N-8-RAL 7021**	785 x 518 x 1020	7x	1x	90	220311
• 9 flat drawers **179 N-9**	785 x 518 x 1020	9x	–	90	220236
• 3 flat and 3 high drawers **179 N X-6**	786 x 518 x 1020	3x	3x	90	215560
• 5 flat and 2 high drawers **179 N X-7**	786 x 518 x 1020	5x	2x	90	215577
• 5 flat and 2 high drawers • Colour RAL 3020 (red) **179 N X-7-RAL 3020**	786 x 518 x 1020	5x	2x	90	219322
• 7 flat drawers and 1 high drawer **179 N X-8**	786 x 518 x 1020	7x	1x	90	215584

Components and spare parts
from page 482 to 490

179 NXL Tool trolley Assistent

Made in Germany

- **Tool trolley**

Work areas
- Much larger storage and work areas in stainless steel
- Fully sealed work surface protects inside of trolley from leaking liquids
- Interfaces integrated in the work area for accessories such as laptop holders and top modules
- Stainless steel work surface
- Extra protection through high-quality plastic end caps

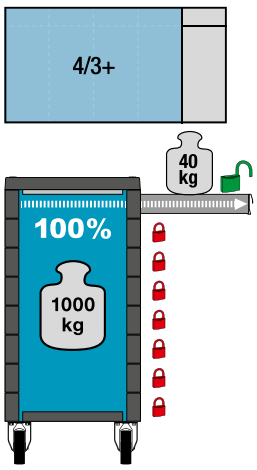
Body / Pull-handle
- Extremely robust design thanks to dual-wall structure
- Complete welded construction of the entire body for tough daily workshop use
- Optimised, yielding edge protection on all four corners with real impact protection thanks to internal damping concept
- Ergonomically optimised pull handle for better manoeuvrability
- Brushed stainless steel handle

Locking concept
- Ergonomically arranged side lock position for better operability protects keys and lock against damage
- Highly secure closing system with central locking technology for optimum protection of your property
- 2-stage locking
  – Central locking, lockable with cylinder lock and 2 folding keys
  – Mutual drawer locking for minimum tilting risk

Drawer concept
- Self-closing and reciprocal locking of the drawers prevents unwanted opening
- 100% sliding-out with ball-bearing telescopic slides
- Drawer design for optimum use of the interior
- Drawer fronts for optimised handling
- Dirt-resistant drawer coating for easy cleaning

High performance chassis
- Large wheels with high loading capacity, precision ball bearing and dual rounded rim in the pivot bearing, easy manoeuvrability, even with high dynamic load
- 2 swivel castors with double stop function: fixed castor prevents inadvertent rolling of the trolley, fixed swivel bearing prevents the castors from swivelling, e.g. on an inclined surface
- Protective ring prevents dirt and threads from getting in
- Elastic tyres enable smooth movement
- Total loading capacity (dynamic): 750 kg
- Loading capacity (static): 1000 kg
- Loading capacity per drawer: 40 kg
- Colour: HAZET blue



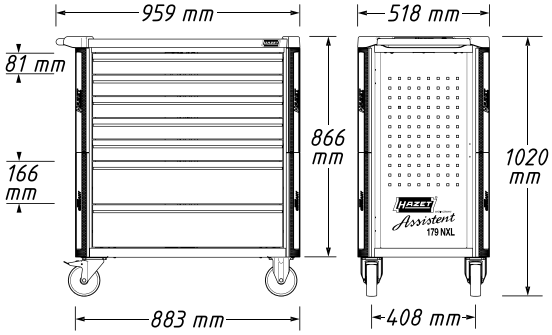


YouTube Clip

The following accessories are available separately:

HAZET No.	Designation	
112/11	Tool holder	45
161 N-3 D/2	Cable drum	47
161 T-179 N XL/5	Separation sheet set	47
161 T-179 N XL/5 H	Separation sheet set	47
161 T-395 x 120/5	Separation sheets	46
161 T-395 x 60/5	Separation sheets	46
173-38	Anti-slipping mat	46
179-35	Can holder	48
179 N-19	Small parts collector	49
179 N-21	Side door	49

HAZET No.	Designation	
179 N-33	Paper bin	49
179 N-35	Can holder	49
179 N-40	Basic fixture	49
179 N-42	Laptop holder · complete	49
179 N-45	Tablet holder	50
179 N-75	Vice fastening	50
179 N XL-26	Vertical perforated tool board	50
180-24	Document holder	51
180-34	Holder for paper reel	51



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179 NXL Tool trolley Assistent®



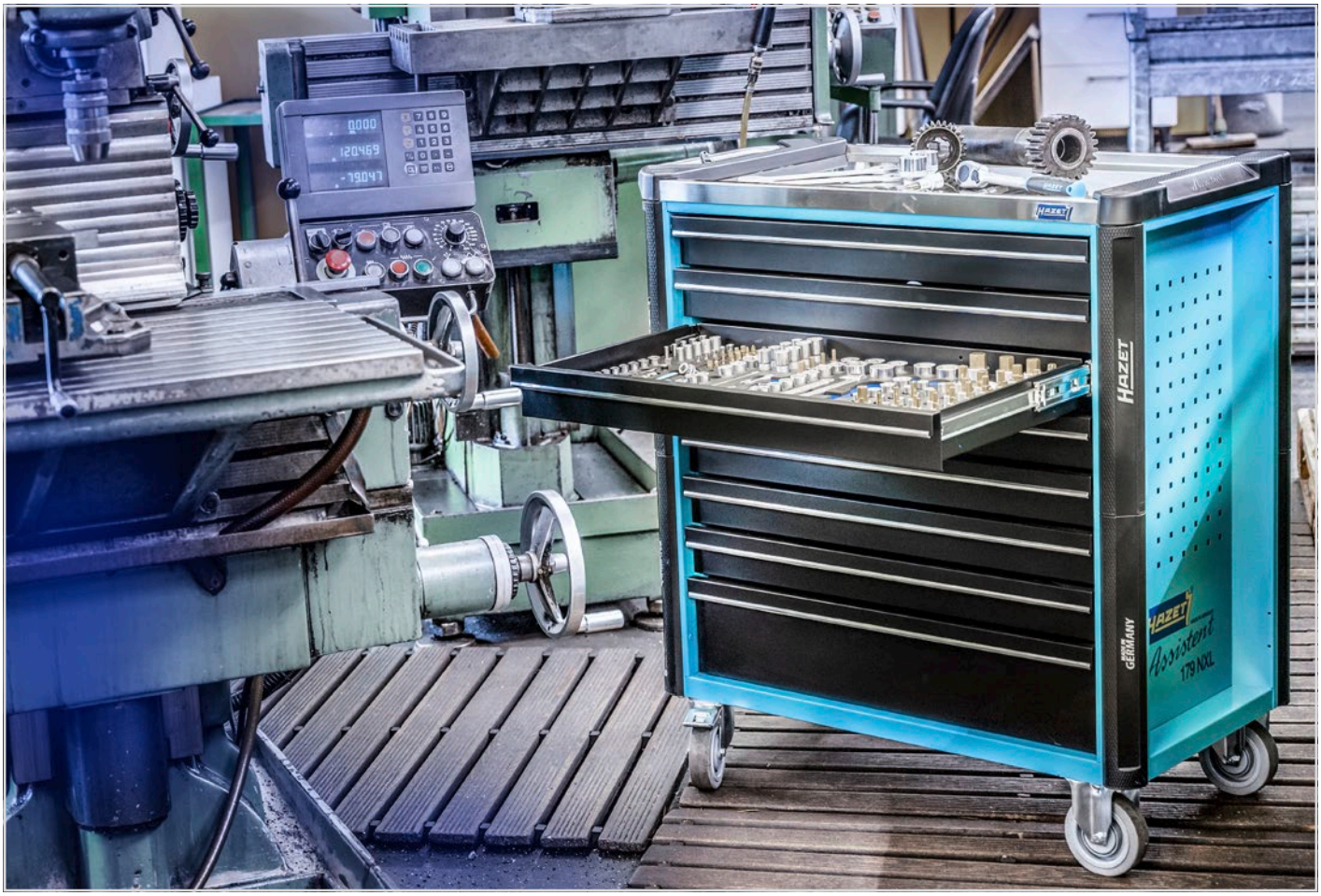







RAL 7012

HAZET No.	L x W x H mm	81 x 696 x 398 mm	166 x 696 x 398 mm	kg	EAN-No. 4000896+
• 3 flat and 3 high drawers **179 N XL-6**	959 x 518 x 1020	3x	3x	125	215171
• 5 flat and 2 high drawers **179 N XL-7**	959 x 518 x 1020	5x	2x	125	215164
• 7 flat drawers and 1 high drawer **179 N XL-8**	959 x 518 x 1020	7x	1x	125	215218
• 7 flat drawers and 1 high drawer • Colour RAL 7012 (basalt grey) **179 N XL-8-VW**	959 x 518 x 1020	7x	1x	125	220243



Components and spare parts
from page 482 to 490

179 NXXL Tool trolley Assistent

Made in Germany

- **Tool trolley**

Work areas
- Much larger storage and work areas in stainless steel
- Fully sealed work surface protects inside of trolley from leaking liquids
- Interfaces integrated in the work area for accessories such as laptop holders and top modules
- Stainless steel work surface
- Extra protection through high-quality plastic end caps

Body / Pull-handle
- Extremely robust design thanks to dual-wall structure
- Complete welded construction of the entire body for tough daily workshop use
- Optimised, yielding edge protection on all four corners with real impact protection thanks to internal damping concept
- Ergonomically optimised pull handle for better manoeuvrability
- Brushed stainless steel handle

Locking concept
- Ergonomically arranged side lock position for better operability protects keys and lock against damage
- Highly secure closing system with central locking technology for optimum protection of your property
- 2-stage locking
  – Central locking, lockable with cylinder lock and 2 folding keys
  – Mutual drawer locking for minimum tilting risk

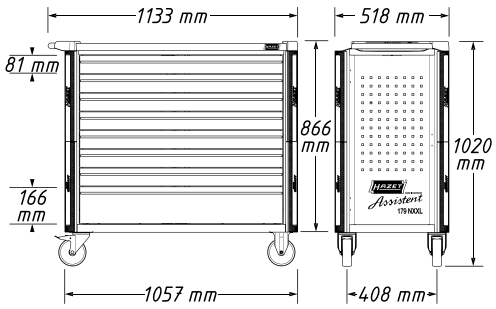
Drawer concept
- Self-closing and reciprocal locking of the drawers prevents unwanted opening
- 100% sliding-out with ball-bearing telescopic slides
- Drawer design for optimum use of the interior
- Drawer fronts for optimised handling
- Dirt-resistant drawer coating for easy cleaning

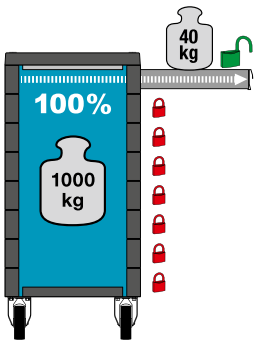
High performance chassis
- Large wheels with high loading capacity, precision ball bearing and dual rounded rim in the pivot bearing, easy manoeuvrability, even with high dynamic load
- 2 swivel castors with double stop function: fixed castor prevents inadvertent rolling of the trolley, fixed swivel bearing prevents the castors from swivelling, e.g. on an inclined surface
- Protective ring prevents dirt and threads from getting in
- Elastic tyres enable smooth movement
- Total loading capacity (dynamic): 750 kg
- Loading capacity (static): 1000 kg
- Loading capacity per drawer: 40 kg
- Colour: HAZET blue



YouTube Clip

5/3+












The following accessories are available separately:

HAZET No.	Designation		HAZET No.	Designation	
112/11	Tool holder	45	179 N-33	Paper bin	49
161 N-3 D/2	Cable drum	47	179 N-35	Can holder	49
161 T-179 N XXL/6	Separation sheet set	47	179 N-40	Basic fixture	49
161 T-179 N XXL/6 H	Separation sheet set	48	179 N-42	Laptop holder · complete	49
161 T-395x120/5	Separation sheets	46	179 N-45	Tablet holder	50
161 T-395x60/5	Separation sheets	46	179 N-75	Vice fastening	50
179-35	Can holder	48	179 N XXL-26	Vertical perforated tool board	50
179 N-19	Small parts collector	49	180-24	Document holder	51
179 N-21	Side door	49	180-34	Holder for paper reel	51

HAZET No.	L x W x H mm	81x870x398 mm	166x870x398 mm	kg	EAN-No. 4000896+
• 5 flat and 2 high drawers					
179 N XXL-7	1133x518x1020	5x	2x	145	214624
• 7 flat drawers and 1 high drawer					
179 N XXL-8	1133x518x1020	7x	1x	145	214778

166 N Tool trolley Assistent®

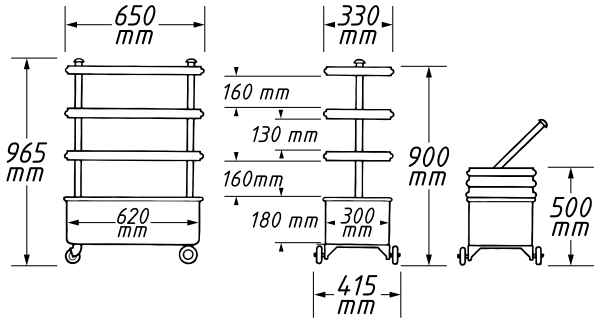
Made in Germany

- **Tool trolley**

The Original

- Space saving
- Pillars can swing down to minimum height (500 mm) for space saving transport. Swung down pillars can be used as carrying handle
- Lockable with padlock (including 2 keys)
- Wraparound rubber profiles protecting table board and intermediary containers from damage
- Table board with rubber mat, 2 intermediary containers (including 4 partition sheets), spacious bottom container
- 4 rubber castors with thread guard and double ball bearings, of which 2 swivel castors with brake
- Total loading capacity (dynamic): 150 kg
- Loading capacity (static): 300 kg
- Worktop: PVC mat
- Colour: HAZET blue







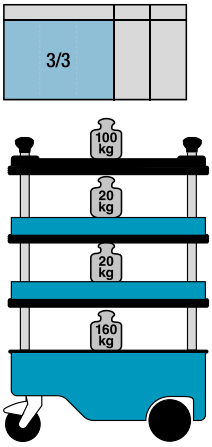
HAZET No.	L x W x H mm	kg	EAN-No. 4000896+
166 N	650x415x965	24.5	004959

166 C Tool trolley Assistent®

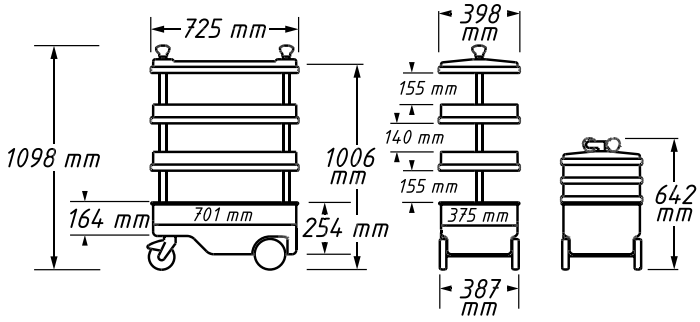
Made in Germany

- **Tool trolley**

- Intermediary containers suitable for HAZET plastic drawer inserts, 2 separation sheets included
- Additional sliding tray, to be integrated into the intermediary containers, e.g. for calliper gauges and small parts
- Spacious bottom container made of sheet steel
- Big castors to level out uneven ground surfaces
- Collapsible, lockable, padlock and 2 keys included
- Provided with wraparound protecting rubber strips
- Loading capacity (static): 300 kg
- Worktop: Wood multiplex beech, replaceable
- Colour: HAZET blue
- Pillars can swing down to minimum height (647 mm) for space saving transport











The following accessories are available separately:

HAZET No.	Designation	
161-9	Window pane holder	47
162 C-5	Container for small parts	48

HAZET No.	Designation	
162 C-6/5	Separation sheets for intermediary tray	48

HAZET No.	L x W x H mm	kg	EAN-No. 4000896+
166 C	725x398x1102	27.6	072286

Components and spare parts from page 482 to 490

167-3 Service trolley Assistent

Made in Germany

• Flexible and stable for all purposes

- Adjustable in 15 height positions (middle tray)
- More layers and anti-slipping mats (2x 180-38) are optionally available
- Robust sheet steel construction, loading capacity per tray: 50 kg
- Large ball-bearing wheels (∅ 100 mm), 2 swivel castors (1 x with double stop), 2 fixed castors
- Thread guard – protects the bearings against dirt and threads
- Easy manoeuvrability, even with high dynamic load
- Grey non-marking elastic tyres enable smooth movement
- Sturdy handle, firmly attached to the trolley
- For HAZET Safety-Insert-System, 2-component soft foam insert
- Loading capacity per tray: 50 kg
- Total loading capacity (dynamic): 150 kg
- Loading capacity (static): 150 kg
- Colour: HAZET blue



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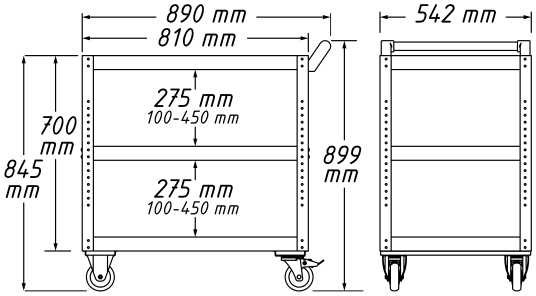




HAZET No.	L x W x H mm	EAN-No. 4000896+
167-3	890x542x899	205332

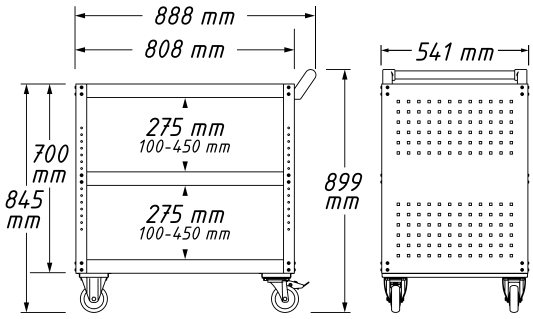
167-3 S Service trolley Assistent

Made in Germany

• Rectangular perforation on the side panels offer individual fastening options

- Adjustable in 15 height positions (middle tray)
- More layers and anti-slipping mats (2x 180-38) are optionally available
- Robust sheet steel construction, loading capacity per tray: 50 kg
- Large ball-bearing wheels (∅ 100 mm), 2 swivel castors (1 x with double stop), 2 fixed castors
- Thread guard – protects the bearings against dirt and threads
- Easy manoeuvrability, even with high dynamic load
- Grey non-marking elastic tyres enable smooth movement
- Sturdy handle, firmly attached to the trolley
- For HAZET Safety-Insert-System, 2-component soft foam insert
- Loading capacity per tray: 50 kg
- Total loading capacity (dynamic): 150 kg
- Loading capacity (static): 150 kg
- Colour: HAZET blue
- Side fastening options for comprehensive HAZET accessories range (optional)
- Colour: HAZET blue / black side panels





The following accessories are available separately:

HAZET No.	Designation	
112/11	Tool holder	45
161 N-3 D/2	Cable drum	47
179-35	Can holder	48
179 N-33	Paper bin	49

HAZET No.	Designation	
179 N-35	Can holder	49
180-24	Document holder	51
180-34	Holder for paper reel	51
180-35	Can holder	51

HAZET No.	L x W x H mm	kg	EAN-No. 4000896+
167-3 S	888x541x899	27	207206

Components and spare parts from page 482 to 490

167 T Service trolley Assistent

Made in Germany

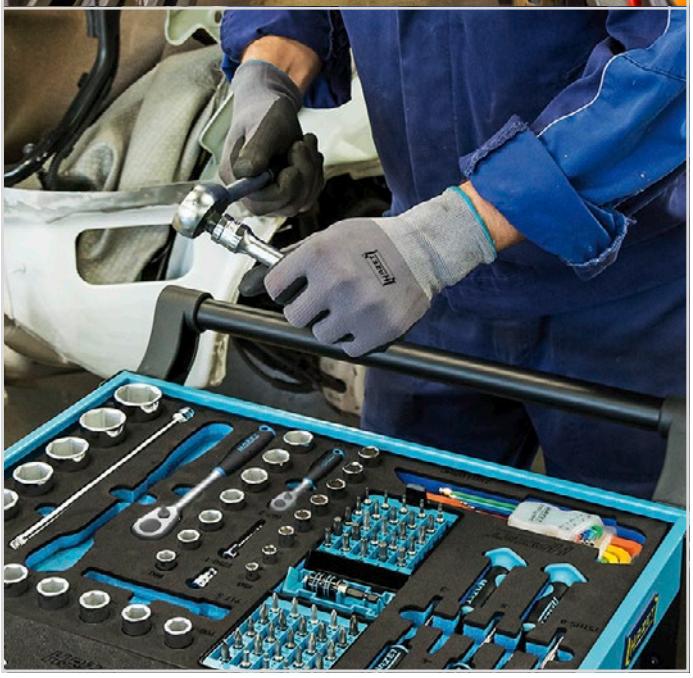
- **Sturdy ram protection on all important struts for protecting important areas, e.g. body and high quality rims**

- Table can be collapsed downwards by 90°
- Adjustable in 15 height positions (steps: 25 mm)
- Robust welded design
- Ball-bearing wheels (∅ 50 mm), 4 swivel castors, 2 castors with brake
- Easy manoeuvrability, even with high dynamic load
- Grey non-marking elastic tyres enable smooth movement
- Fits under vehicles with a ground clearance greater than 130 mm
- Loading capacity of table: 35 kg
- Delivery, flat packed (h x w x d: approx. 110 x 930 x 780 mm)
- Accessories 112/11 · 179-35 · 179 N-35 · 180-24 · 180-35 only in conjunction with 167 T-26
- Total loading capacity (dynamic): 150 kg
- Loading capacity (static): 150 kg
- Colour: HAZET blue









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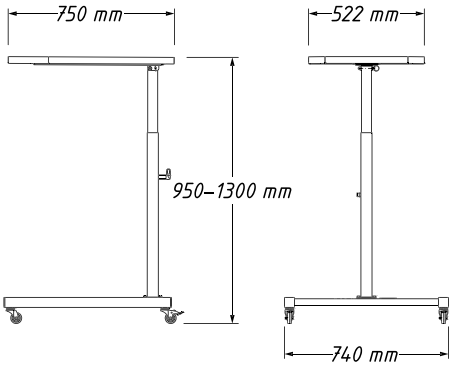










The following accessories are available separately:

HAZET No.	Designation	
112/11	Tool holder	45
162 C-5	Container for small parts	48
167 T 23	Storage board	48
167 T 26	Perforated tool panel	48

HAZET No.	Designation	
179-35	Can holder	48
179 N-35	Can holder	49
180-24	Document holder	51
180-35	Can holder	51

*) Accessories only together with 167 T-26

HAZET No.	L x W x H mm	kg	EAN-No. 4000896+
167 T	773x740x1345	17.9	210503

Components and spare parts from page 482 to 490

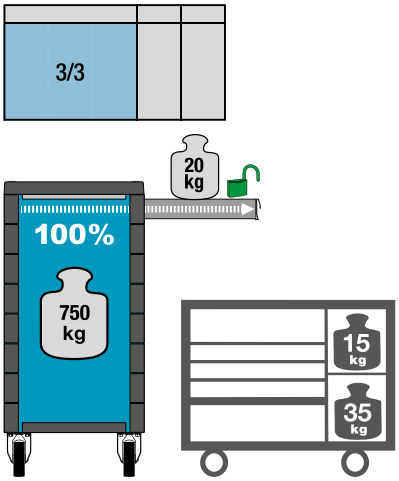
Work Benches / Tool Cabinets

177 W Mobile work bench

Made in Germany

- Large ball-bearing wheels (∅ 125 mm), easy manoeuvrability, even with high dynamic load
- 2 swivel castors with double stop function: fixed castor prevents inadvertent rolling of the trolley, fixed swivel bearing prevents the castors from swivelling, e.g. on inclined surfaces
- Protective ring prevents dirt and threads from getting in
- Grey non-marking elastic tyres enable smooth movement
- Two-stage locking concept:
  – Central locking, lockable with cylinder lock and 2 keys
  – Individual drawer locking prevents unwanted drawer opening
  – 100% sliding-out with roller guides
- Boards in the storage compartment: Loading capacity top: 15 kg / bottom 35 kg Storage shelves adjustable
- Optional: 177 W-21: Door for right storage compartment, lockable, including 2 keys
- Total loading capacity (dynamic): 500 kg
- Loading capacity (static): 750 kg
- Worktop: Wood multiplex birch, replaceable
- Loading capacity per drawer: 20 kg
- Colour: HAZET blue



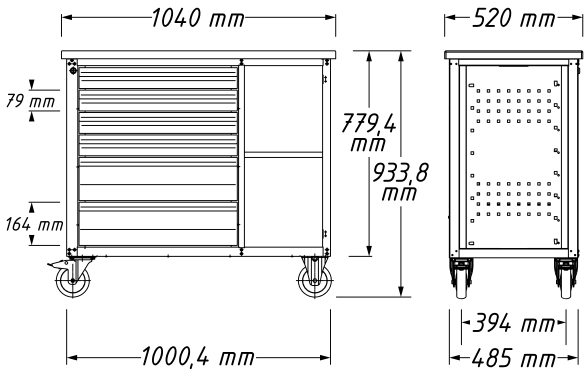


The following accessories are available separately:

HAZET No.	Designation	
112/11	Tool holder	45
161-1	Anti-slipping mat	46
161 T-347 x 120/5	Separation sheets	46
161 T-347 x 60/5	Separation sheets	46
177 W-21	Door	48
179-35	Can holder	48
179 N-33	Paper bin	49

HAZET No.	Designation	
179 N-35	Can holder	49
179 N W-11	Machinist's vice fastening set	
179 W-40	Basic fixture	51
179 W-42	Laptop holder	51
180-24	Document holder	51
180-34	Holder for paper reel	51
2175 N	Machinist's vice	51





HAZET No.	L x W x H mm	79 x 527 x 348 mm	164 x 527 x 348 mm		kg	EAN-No. 4000896+
• 4 x flat and 2 x high drawers as well as 2 compartments in the side section						
177 W-6	1040 x 520 x 934	4 x	2 x	6 x	85	154630
• 6 x flat drawers and 1 x high drawer as well as 2 compartments in the side section						
177 W-7	1040 x 520 x 934	6 x	1 x	7 x	85	155644

Components and spare parts from page 482 to 490

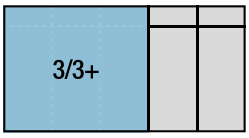
179 NW Mobile work bench

Made in Germany

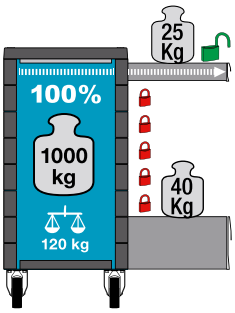
• More storage space than preceding model

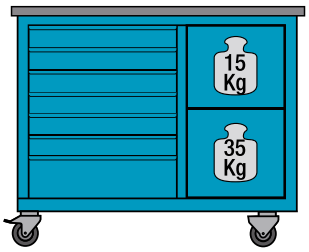


- 30 mm wood multiplex birch work surface, oiled, replaceable
- Including 9-fold adjustable intermediary tray and fixed mounted door
- Cable duct on rear panel allows battery devices to be charged when the door is closed, for instance
- Complete welded construction of the entire body for tough daily workshop use
- Additional rectangular perforation for tool holder, e.g. HAZET 112-230
- Optimised, yielding edge protection on all four corners with real impact protection thanks to internal damping concept
- Flexible vice assembly (front, right, left) e.g. HAZET 2175 N according to drilling template specification
- **Chassis:**
  – Large wheels with high loading capacity (∅ 125 mm) with precision ball-bearing and dual ball race in the swivel bearing, easy manoeuvrability even under high dynamic load
  – 2 swivel castors with double stop function: fixed castor prevents inadvertent rolling of the trolley, fixed swivel bearing prevents the castors from swivelling, e.g. on an inclined surface
  – Protective ring prevents dirt and threads from getting in
  – Elastic tyres enable smooth movement
- **Locking concept:**
  – Mutual drawer locking for minimum tilting risk
  – Lock located in the centre (central locking and cylinder lock) closes the door and drawers at the same time
  – Only one key for locking the door and drawer at the same time (scope of delivery: 2 keys)
  – 180° rotation, prevents the key from breaking off
  – Slides out 100% by means of ball-bearing, self-closing telescopic rails
- 1 heavy duty drawer, loading capacity 40 kg, 166 mm high
  6 drawers, loading capacity 25 kg, 81 mm high
  2 work surfaces in the storage compartment, top: 15 kg / bottom: 35 kg
- Total loading capacity (dynamic): 750 kg
- Loading capacity (static): 1000 kg
- Worktop: Wood multiplex birch, replaceable
- Colour: HAZET blue



YouTube Clip





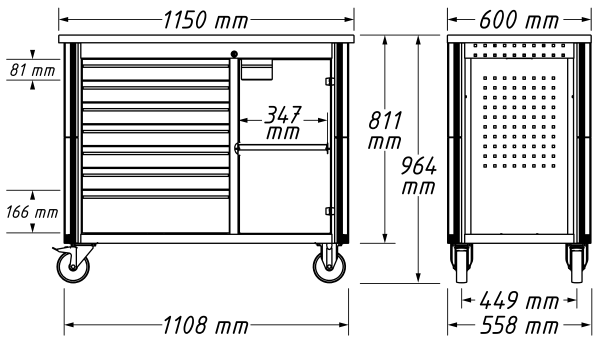
The following accessories are available separately:

HAZET No.	Designation	
112/11	Tool holder	45
161 T-179 N/4	Separation sheet set	47
161 T-179 N/4 H	Separation sheet set	47
161 T-395x120/5	Separation sheets	46
161 T-395x60/5	Separation sheets	46
179-35	Can holder	48
179 N-19	Small parts collector	49
179 N-33	Paper bin	49
179 N-35	Can holder	49
179 N W-11	Machinist's vice fastening set	

HAZET No.	Designation	
179 N W-22	Shelf drawer	50
179 N W-23	Tray	50
179 N W-26	Vertical tool panel	50
179 W-40	Basic fixture	51
179 W-42	Laptop holder	51
180-24	Document holder	51
180-34	Holder for paper reel	51
180-35	Can holder	51
2175 N	Machinist's vice	51







HAZET No.	L x W x H mm	81 x 522 x 398 mm	166 x 522 x 398 mm	kg	EAN-No. 4000896+
• 6 x flat drawers and 1 x high heavy-duty drawer • Lockable storage compartment with 2 storage surfaces					
179 N W-7	1150 x 600 x 964	6x	1x	120	219629

Components and spare parts
from page 482 to 490

130 Work bench

Made in Germany

- 40 mm thick multi-layer beechwood board
- Front steel lining
- Structurally sound due to stable steel framework
- Loading capacity (static): 1000 kg

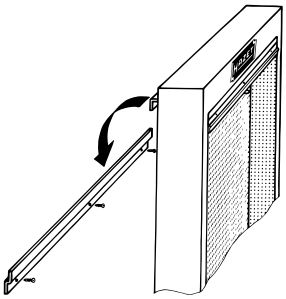


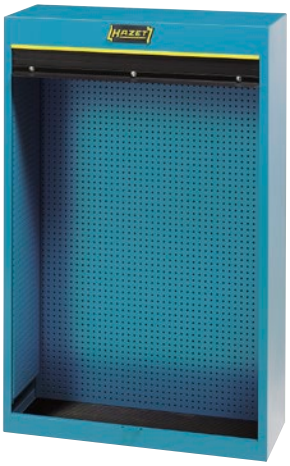
HAZET No.	L x W x H mm	kg	EAN-No. 4000896+
130-1	2000x760x845	89	003358

111 L Tool cabinet

Made in Germany

- Blind, lockable
  Including padlock with 2 keys
- Including suspension device
- Empty, for individual tool assortment





HAZET No.	L x W x H mm	kg	EAN-No. 4000896+
111 L	640x250x1000	27	003266

111 Tool cabinet · with assortment

- Suspension plan and tool holders and soft foam inserts for socket sets

HiPer





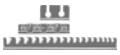


►

111 Tool cabinet · with assortment

◄


111 L


111/116 HL

603 • ◉
6 • 7 • 8 • 9
603 • ◉
10 • 11 • 12 • 13 • 14
15 • 16 • 17 • 18 • 19
21 • 22 • 24


630 • ◉
6x7 • 8x9 • 10x11
12x13 • 14x15 • 16x17
18x19 • 20x22 • 21x23
24x27 • 30x32

730
730-3 • 730-6

746-1


748 B
748 b-3 • 748 b-4
748 b-5 • 748 b-6


760 N
760 N-1 • 760 N-2
760 N-3


802 • ⬬
0.8x4 • 1x5.5
1.2x8 • 1.6x10


802-PH • ✪
PH 1 • PH 2


802-PZ • ✪
PZ 1 • PZ 2


824 • ━
0.5x23


850 • ⑫ • 6.3 ¼
4 • 4.5 • 5 • 5. 5
6 • 7 • 8 • 9
10 • 11


863 HP • 6.3 ¼


867-2 • 6.3 ¼ • 6.3 ¼

868 • 6.3 ¼ • 6.3 ¼

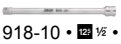

869 • 6.3 ¼ • 6.3 ¼


900 • ⑫ • 12.5 ½
10 • 11 • 12 • 13 • 14
15 • 16 • 17 • 18 • 19
20 • 21 • 22 • 23 • 24
26 • 27 • 28 • 30 • 32


915 • 12.5 ½


916 HP • 12.5 ½


917-5 • 12.5 ½ • 12.5 ½


918-10 • 12.5 ½ • 12.5 ½


920 • 12.5 ½ • 12.5 ½


985 • ○ • 12.5 ½
5 • 6 • 8 • 10


1802-11


1841 a-22


1845 A-19


1845 C-19


1952-35


1980 N


1981


2100/7 R • ○


2115-T/7 R • ○

2120-8

2122-8

2123-8

2140-50

2154 N-3

HAZET No.	L x W x H mm	kg		EAN-No. 4000896+
111/116	640x250x1000	46.4	116	003105

111 Tool holder

Made in Germany

- For 116-pc. tool assortment 0-111/116

HAZET No.	kg		EAN-No. 4000896+
111/116 HL	0.9	14	003112

0-111 Tool assortment

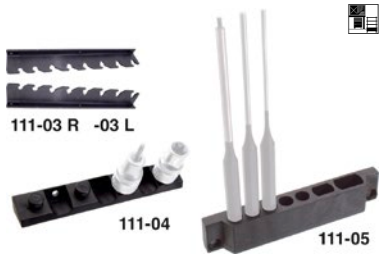
- **116 pieces**
  contents see assortment 111/116,
- Without cabinet



HAZET No.	kg		EAN-No. 4000896+
0-111/116	17	116	000098

111 Tool holder

Made in Germany



HAZET No.	EAN-No. 4000896+
• **Hanger,** for e.g. 630-6 x 7 up to -20 x 22, to be used with 111-03 L	
111-03 R	002849
• **Hanger,** to be used with 111-03 R	
111-03 L	002832
• **Holder,** for 4 ½ sockets	
111-04	002856
• **Hanger,** for e.g. chisels 730-3 up to -6, centre punch 746-1, drift pin 748	
111-05	002863

Made in Germany



HAZET No.	EAN-No. 4000896+
• **Hanger,** for e.g. 279, 760 N, 2100/7 R etc.	
111-06	002870
• **Hanger,** for e.g. combination wrenches 603 or hammers 2140 etc.	
111-10	002917
• **Hanger,** for e.g. tape measures	
111-15	002962

Made in Germany



111 Tool holder

HAZET No.	EAN-No. 4000896+
• **Tool hanger** ∅ 6 mm, length 75 mm	
111-21	003020
• **Tool hanger**	
111-22	003037
• **Tapping screw**	
111-28	003099

112 Tool holder

- Installation on perforated tool panels with rectangular perforation
- For example, for side and rear panels
  of *Assistent* 167 T · 167 XXL · 167-3 S · 177 · 178 N · 179 · 179 A XXL · 179 BIG-1 · 179 N · 179 N X · 179 N XL · 179 N XXL · 179 T XXL · 179 XL · 179 XXL · 179-10 tool trolleys
  as well as 177 W · 179 N W · 179 W work benches



HAZET No.		EAN-No. 4000896+
• **Double hook**, 30 mm long, e.g. for tools with T-handle		
112-230	–	103898
• **Double hook**, 60 mm long, e.g. for tools with T-handle		
112-260	–	103881
• **Hanger**, 25 mm long, e.g. for tools with hanging hole		
112-325	–	103874
• **Hanger**, 50 mm long, e.g. for tools with hanging hole		
112-350	–	103867
• **Double hanger,** wide, 40 mm long, e.g. for torque wrenches		
112-440	–	103850
• **Double hanger**, wide, 50 mm long, e.g. for torque wrenches		
112-450	–	103843
• **Clip**, ∅ C12 mm, e.g. for reversible ratchet 863-1, 863 F, P, S as well as reversible ratchets for bits 863 B GL, BKC and BK		
112-612	–	103836
• **Clip**, ∅ 18 mm, e.g. for reversible ratchets 8816-1, 8816 F, P or S as well as 916 K		
112-618	–	103720
• **Clip**, ∅ 24 mm, e.g. for reversible ratchets 916-1, 916 F, SP, S		
112-624	–	103713
• **Plastic cup**, ∅ 30 mm, 80 mm high, e.g. for pins, centre punches etc.		
112-830	–	103706
• **Plastic cup**, ∅ 50 mm, 114 mm high, e.g. for marking tool 2150-1 or similar		
112-850	–	103690
• **Tool holder set**		
• For *Assistent* 167 · 177 · 178 N · 179 · 179 BIG · 179 N · 179 N X · 179 N XL · 179 N XXL · 179 T · 179 XL · 179 XXL tool trolleys and *Assistent* 177 W · 179 W · 179 N W work benches		
Contents: 112-230 · 260 · 325 · 350 · 440 · 450 · 612 · 618 · 624 · 830 · 850		
112/11	11	104239

Components and spare parts
from page 482 to 490

2025 X Tool holder

- **Universal clamping rails**

- Handy storage for any kind of tools
- Rail with 2 long holes
  allowing variable fixation even on perforated sheet metal displays
- Two flexible clamps embrace each tool without damaging it
- Flexible clamps made of oil resisting and antifreezing plastic, **flexible, durable**
- Rail made of anodized light metal



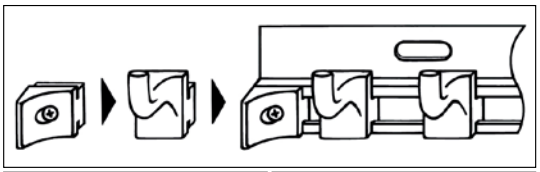




HAZET No.	l mm	EAN-No. 4000896+
• 20 clamping brackets		
2025 X	440	010301
• 6 clamping brackets		
2025 X-1	150	010424

2025 X Tool hangers and guiding rails









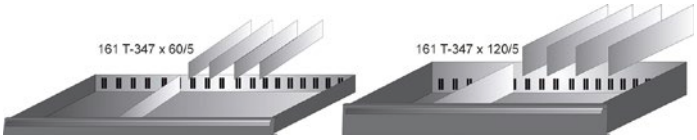
HAZET No.	l mm		EAN-No. 4000896+
• **Guiding rail, complete, with three tool hangers**			
• 150 mm long			
• Wall mounting			
2025 X-6/4	–	4	058259
• **Tool hanger,** self-locking,			
• Variable insertion into guiding rails 2025 X-5 and 2025 X-6			
2025 X-06	–	–	010394
• **Guiding rail** for above tool hanger			
2025 X-5	440	–	010479
2025 X-6	150	–	010486

Tool Trolley / Work Bench Accessories

161 T Separation sheets

Made in Germany

- For HAZET *Assistent*



HAZET No.		EAN-No. 4000896+
• **Separation sheets**, 5 pieces, for flat drawers		
• For *Assistent* 177 work trolley and the *Assistent* 177 W work bench		
• L 347 x H 60 mm		
161 T-347 x 60/5	5	120758
• **Separation sheets**, 5 pieces, for high drawers		
• For *Assistent* 177 work trolley and the *Assistent* 177 W work bench		
• L 347 x H 120 mm		
161 T-347 x 120/5	5	120765
• **Separation sheets**, 5 pieces, for flat drawers		
• For *Assistent* 179 N(X) · 179 N XL · 179 N XXL tool trolleys and the *Assistent* 179 N W work bench		
• L 395 x H 60 mm		
161 T-395 x 60/5	5	226931
• **Separation sheets**, 5 pieces, for high drawers		
• For *Assistent* 179 N(X) · 179 N XL · 179 N XXL tool trolleys and the *Assistent* 179 N W work bench		
• L 395 x H 120 mm		
161 T-395 x 120/5	5	226948

173 Anti-slipping mat



HAZET No.	kg	EAN-No. 4000896+
• **Anti-slipping mat**		
• For *Assistent* 173 · 179 XL · 179 N XL tool trolleys		
• L 694 x W 395 mm		
173-38	0.15	089789
• **Anti-slipping mat**		
• For *Assistent* 179 · 179-10 · 179 BIG-1 · 180 · 180 K-4 tool trolleys and *Assistent* 179 W work benches		
• L 529 x W 394 mm		
180-38	0.1	120819
• **Anti-slipping mat**		
• For *Assistent* 168 · 169 N · 174 · 176 · 177 · 178 tool trolleys and *Assistent* 177 W tool benches		
• L 523 x W 348 mm		
161-1	0.11	058884

Components and spare parts
from page 482 to 490

161 Window pane holder

Made in Germany

- **Window pane holder** with hinge and swivelling suction cups 120 mm ∅,
- For Assistent 162 C · 162 N · 166 C · 166 N · 171 · 172 HD · 176 · 178 · 179 · 179 XL · 179 XXL · 180 and 180 K-4
- **Please use in pairs**



HAZET No.	EAN-No. 4000896+
161-9	004867

161 N Cable drum

Made in Germany



HAZET No.	EAN-No. 4000896+
• **Cable drum** without holder • Additional holder 161 N-3 HL required for installing on workshop trolleys, etc. • For Assistent 167-3 S · 177 · 178 N · 179 N · 179 N X · 179 N XL · 179 N XXL tool trolleys and 177 W · 179 W · 179 N W work benches • Cable length: 10 m • Cable quality: H07RN-F 3G1,5 • 230 V safety plug • 4 power outlets 230 V/16 A, max 3,500 W • Thermal switch	
161 N-3 D/2	237654
• **Cable drum** with holder • For Assistent 167-3 S · 177 · 178 N · 179 N · 179 N X · 179 N XL · 179 N XXL tool trolleys and 177 W · 179 W · 179 N W work benches • Cable length: 10 m • Cable quality: H07RN-F 3G1,5 • 230 V safety plug • 4 power outlets 230 V/16 A, max 3,500 W • Thermal switch	
161 N-3 D	237517



Tool trolley accessories

HAZET No.	EAN-No. 4000896+
	
• **Separation sheet set**, 4 pieces, for flat drawers • For HAZET Assistent 174 · 178 N-7 · 178 N K-3 tool trolleys	
161 T-178 N/4	206384
	
• **Separation sheet set**, 4 pieces, for flat drawers • For Assistent 179 N · 179 NT · 179 NX tool trolleys and the Assistent 179 N W work bench • L 516 x H 58 mm	
161 T-179 N/4	215485
	
• **Separation sheet set**, 4 pieces, for high drawers • For Assistent 179 N · 179 NT · 179 NX tool trolleys and the Assistent 179 N W work bench • L 516 x H 118 mm	
161 T-179 N/4 H	226979
	
• **Separation sheet set**, 5 pieces, for flat drawers • For the Assistent 179 N XL tool trolley • L 688 x H 58 mm	
161 T-179 N XL/5	215492
	
• **Separation sheet set**, 5 pieces, for high drawers • For the Assistent 179 N XL tool trolley • L 688 x H 118 mm	
161 T-179 N XL/5 H	226962
	
• **Separation sheet set**, 6 pieces, for flat drawers • For Assistent 179 N XXL tool trolley • L 863 x H 58 mm	
161 T-179 N XXL/6	215508

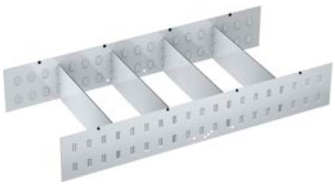
▶

Components and spare parts from page 482 to 490

Tool trolley accessories

◄

HAZET No. | EAN-No. 4000896+



• **Separation sheet set**, 6 pieces, for high drawers
• For *Assistent* 179 N XXL tool trolley
• L 863 x H 118 mm
161 T-179 N XXL/6 H 226955



• **Container for small parts**
• For HAZET *Assistent* 162 C · 166 C · 167 tool trolleys
162 C-5 078189



• **Separation sheet** for intermediary tray
• For HAZET *Assistent* 162 C and 166 C tool trolleys
162 C-6 079810



• **Separation sheets** 5 pieces for intermediary tray
• For *Assistent* 162 C · 166 C tool trolleys
162 C-6/5 120772



• **Storage board**
• For *Assistent* 167 T tool trolley
167 T 23 209972



• **Perforated tool panel**
• For *Assistent* 167 T tool trolley
167 T 26 209996

►

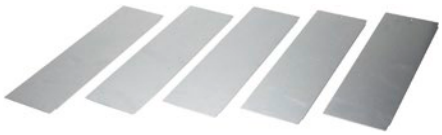
Tool trolley accessories

◄

HAZET No. | EAN-No. 4000896+



• **Separation sheets**, flat, 5 pieces
• For *Assistent* 173 · 179 · 179-10 · 179 BIG · 179 XL · 179 XXL · 179 A XXL · 179 T XXL · 180 · 180 K-4 tool trolleys and the *Assistent* 179 W work bench
• H 60 x L 397 mm (for flat drawers)
173-31/5 090150



• **Separation sheet set**, high, 5 pieces
• For *Assistent* 173 · 179 · 179-10 · 179 BIG · 179 XL · 179 XXL · 179 A XXL · 179 T XXL · 180 tool trolleys and the *Assistent* 179 W work bench
• L 397 x H 120 mm (for high drawers)
173-32/5 120796



• **Anti-slipping mat**
• For *Assistent* 173 · 179 XL · 179 N XL tool trolleys
• L 694 x W 395 mm
173-38 089789



• **Door**, lockable
• For right side
• For the *Assistent* 177 W work bench
177 W-21 154739



• **Can holder**, for 3 cans
• For *Assistent* 167-3 S · 167 T · 177 · 178 N · 179 N · 179 N X · 179 N XL · 179 N XXL tool trolleys and *Assistent* 177 W · 179 N W work benches as well as behind doors 179-21 and 179 N-21
179-35 141074

►

Components and spare parts from page 482 to 490

Tool trolley accessories

◄

HAZET No.	EAN-No. 4000896+



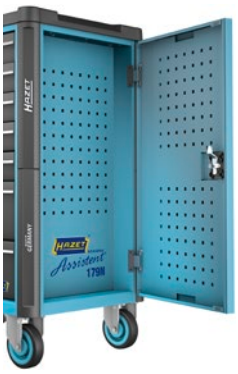
- **Basic fixture**
- For Assistent 179 · 179 XL · 179 XXL tool trolleys
- For screens
- As per Vesa 75 and 100
- Loading capacity: 5 kg

179-40 219575



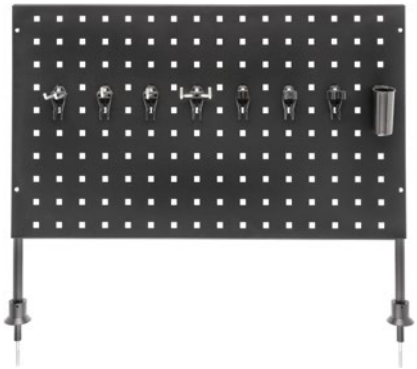
- **Small parts collector**
- For Assistent 179 N · 179 N X · 179 N XL · 179 N XXL tool trolleys and Assistent 179 N W work benches

179 N-19 214457



- **Lateral door**, lockable
- For left or right side panel on Assistent 179 N · 179 N X · 179 N XL and 179 N XXL
- Including 2 keys

179 N-21 215553



- **Vertical tool panel**
- Attachable to Assistent 179 N · 179 N X tool trolleys
- Holds additional tools
- Assortment of holders included 112-260 · 112-325 · 112-350 · 112-450 · 112-612 · 112-618 · 112-624 · 112-830

179 N-26 215522

►

Tool trolley accessories

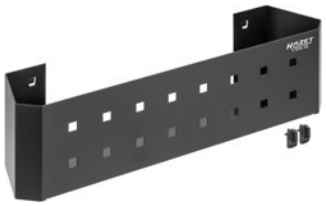
◄

HAZET No.	EAN-No. 4000896+



- **Paper bin**
- For Assistent 167-3 S · 177 · 178 N · 179 N · 179 N X · 179 N XL · 179 N XXL tool trolleys and Assistent 177 W · 179 W · 179 N W work benches

179 N-33 236206



- **Can holder**, for at least 4 cans
- Suitable for hole pattern of Assistent 178 N · 179 · 179 XL · 179 XXL · 179 BIG · 179 N · 179 N X · 179 N XL · 179 N XXL side walls and Assistent 177 W · 179 W · 179 N W work benches
- Fits behind the 179 N-21 door
- Easy-to-clean due to smooth coating
- Square perforation for additional hooks
- Simple assembly due to attachment function including securing with locking clip

179 N-35 224258



- **Basic fixture**
- For Assistent 179 N · 179 N X · 179 N XL · 179 N XXL tool trolleys
- For screens
- As per Vesa 75 and 100
- Loading capacity: 5 kg

179 N-40 215591



- **Laptop holder**
- For Assistent 179 N · 179 N X · 179 N XL · 179 N XXL tool trolleys
- Loading capacity: 5 kg
- As per Vesa 75 and 100
- Hook-and-loop strip for securing the laptop included in delivery

179 N-42 215621

►

Components and spare parts
from page 482 to 490

Tool trolley accessories

◄

HAZET No. | EAN-No. 4000896+



- **Tray holder**
- For Assistent 177 · 178 N · 179 N · 179 N X · 179 N XL · 179 N XXL tool trolleys and Assistent 177 W work benches
- Secure tensioning mechanism works for all standard tablet/PC models between 120 and 222 mm
- Universally suitable for Apple iPad · mini · Air · Pro, Amazon Kindle · Fire, Samsung Galaxy Tab, Google Nexus, Asus Transformer, Microsoft Surface
  Use of tablets with protective cover or case is possible
- Clamp draw spring enables quick insertion and removal
- General clamping jaws with integrated foam rubber pad guarantee secure hold without damaging the device
- Adjustable bracket with felt pad and rubber cap ensure additional security when the tablet holder is positioned vertically
  Prevents the tool from falling out
- Individually adjustable clamping jaws – the operating controls on the device are in no way functionally impaired
- Quick switch between profile and landscape formats, undesired turning is not possible
- Mounting on round pipes (maximum 30 mm) and worktops possible
- The bracket is fixed using a clamping screw

179 N-45 224210



- **Vice fastening** for machinist's vice 2175 N
- For Assistent 179 N · 179 NX · 179 N XL · 179 N XXL model year 1/7/2019 tool trolleys
- Easy installation on the worktop of the right side of the trolley
- Includes fixing materials (screws and discs) for vice 2175 N
- Easy installation of the door 179 N-21, the laptop holder 179 W-42 and the basic fixture 179 W-40 when the vice is installed

179 N-75 241835



- **Supplementary storage drawer**, for right storage compartment
- For Assistent 179 N W work benches
- Dimensions (inner) W 318 x D 398 x H 77 mm
- 25 kg loading capacity with self-retraction

179 N W-22 219636

►

Tool trolley accessories

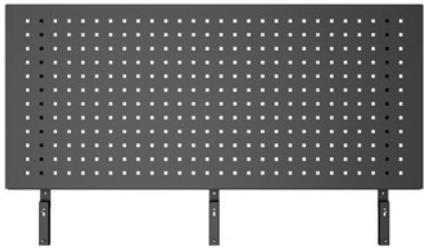
◄

HAZET No. | EAN-No. 4000896+



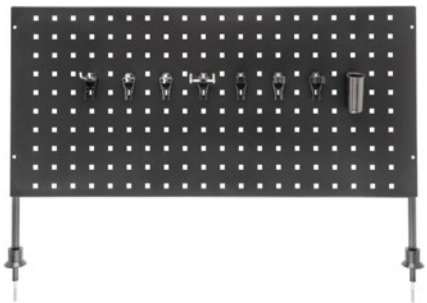
- **Tray**
- For work bench Assistent 179 N W
- Flexible installation into the right storage compartment
- Loading capacity 15 kg
- Including 4 screws

179 N W-23 220199



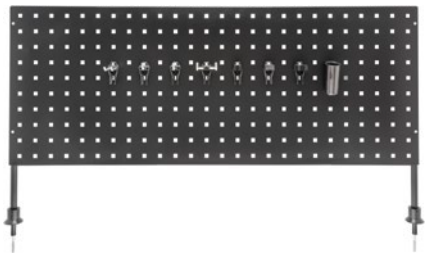
- **Vertical tool panel**
- Can be screwed onto workbench Assistent 179 N W
- Holds additional tools
- Assortment of 8 holders included:
  112-260 · 325 · 350 · 450 · 612 · 618 · 624 · 830
- Number of perforations: 336
- L 1150 x W 10 x H 510 mm

179 N W-26 219612



- **Vertical tool panel**
- Attachable to Assistent 179 N XL tool trolleys
- Holds additional tools
- Assortment of holders included 112-260 · 112-325 · 112-350 · 112-450 · 112-612 · 112-618 · 112-624 · 112-830

179 N XL-26 215539



- **Vertical tool panel**
- Attachable to Assistent 179 N XXL tool trolleys
- Holds additional tools
- Assortment of holders included 112-260 · 112-325 · 112-350 · 112-450 · 112-612 · 112-618 · 112-624 · 112-830

179 N XXL-26 215546

►

Components and spare parts from page 482 to 490

Tool trolley accessories

◄

HAZET No. | EAN-No. 4000896+



• **Basic fixture**
• For Assistent 177 W · 179 W · 179 N W work benches
• For screens
• As per Vesa 75 and 100
• Loading capacity: 5 kg

179 W-40 219568



• **Laptop holder**
• For work bench Assistent 177 W · 179 W ·179 N W
• Loading capacity: 5 kg
• As per Vesa 75 and 100

179 W-42 219551



• **Document holder**, for working papers
• For Assistent 167 T · 167-3 S · 177 · 178 N · 179 N · 179 N X · 179 N XL · 179 N XXL tool trolleys and Assistent 177 W · 179 N W work benches

180-24 110827



• **Holder for paper reel**
• For Assistent 167-3 S · 177 · 178 N · 179 N · 179 N X · 179 N XL · 179 N XXL tool trolleys and Assistent 177 W · 179 N W work benches
• Includes installation kit (without paper reel)
• For paper reels up to maximum 350 mm ∅ and maximum 280 mm width

180-34 120840

►

Tool trolley accessories

◄

HAZET No. | EAN-No. 4000896+



• **Can holder**, for 4 cans
• Includes installation kit for Assistent 167-3 S · 167 T · 178 N tool trolleys and the Assistent 179 N W work bench
• No additional adapter necessary for hooking into the rectangular perforation

180-35 120826



• **Anti-slipping mat**
• For Assistent 179 · 179-10 · 179 BIG-1 · 180 · 180 K-4 tool trolleys and Assistent 179 W work benches
• L 529 x W 394 mm

180-38 120819



• **Machinist's vice**
• Drop forged
• Gripping jaw width: 100 mm
• Installation on Assistent 177 W · 179 W · 179 N W work benches together with 179 N W-11 machinist's vice fastening set Assembly on Assistent 177 tool trolleys together with 2175 N-11 wooden liner
• For assembly on Assistent 179 N · 179 N X · 179 N T · 179 N XL · 179 N XXL model year 01/07/2019 tool trolleys → together with 179 N-75 vice fastening

2175 N 013685



• **Distance plate** (wooden) for machinist's vice 2175 N
• Installation of the vice on work benches or Assistent 172 HD · 177 · 180 · 180 K-4 tool trolleys
• Including installation accessories

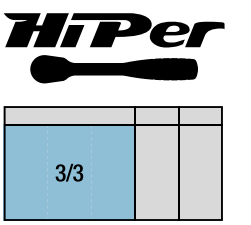
2175 N-11 013692

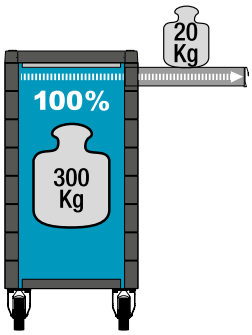
Components and spare parts
from page 482 to 490

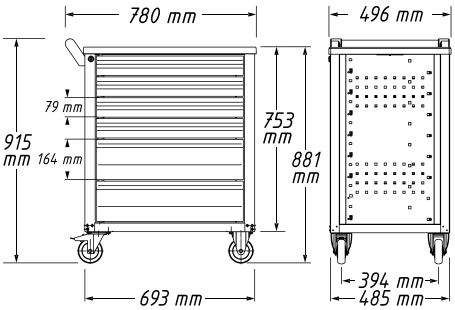
Tool Trolleys Assistent® with Assortment

177 Tool trolley Assistent® · with assortment

• Tool trolley















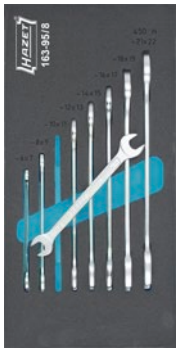


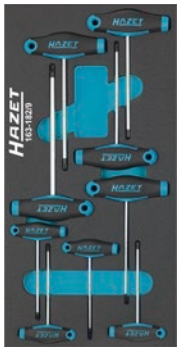












►

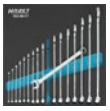
Components and spare parts
from page 482 to 490

177 Tool trolley Assistent® · with assortment


177-7


163-95/8 •

450 N •
6x7 • 8x9 • 10x11
12x13 • 14x15 • 16x17
18x19 • 21x22


163-98/17 •

600 N •
6 • 7 • 8 • 9 • 10
11 • 12 • 13 • 14 • 15
16 • 17 • 18 • 19 • 21
22 • 24


1845
163-124/4


1845 A-19


1845 B-19


1845 C-19


1845 D-19


163-182/9 •


828-T •
T 6 • T 7 • T 8
T 9 • T 10 • T 15
T 20 • T 25 • T 30


163-192/24 • ,
½", ¼"


850 E • • ¼"
E 5 • E 6 • E 7 • E 8 • E 10


8502 • • ¼"
T 10 • T 15 • T 20 • T 25
T 27 • T 30 • T 40


900 E • • ½"
E 10 • E 12 • E 14
E 16 • E 18 • E 20


992 • • ½"
T 30 • T 40 • T 45
T 50 • T 55


2115-T/7 R •


163-224/57
, , , , , ,
½", ¼", ¼"


810 SPC-6.3 • ¼"


850 • • ¼"
5.5 • 6 • 7 • 8 • 9
10 • 11 • 12 • 13


863 HP • ¼"

867-2 • ¼" • ¼"

868 • ¼" • ¼"


869 • ¼" • ¼"


900 • • ½"
10 • 11 • 12 • 13 • 14
15 • 16 • 17 • 18 • 19
20 • 21 • 22 • 23 • 24
26 • 27 • 28 • 30 • 32


915 • ½"


916 HP • ½"


917-5 • ½" • ½"

918-10 • ½" • ½"


920 • ½" • ½"


2204 • • ¼"
3 • 4 • 5 • 6 • 8


2208 • • ¼"
0.6x4.5 • 1x6 • 1.2x6.5


2215 • • ¼"
PH 1 • PH 3


2216 • • ¼"
PZ 1 • PZ 2


2223 • • ¼"
T 15 • T 20 • T 25 • T 30


2250-1 • ¼" • ¼"


2304 N • ¼" • ¼"


163-269/3


1859 SPC/3


163-297/26 • , , ,


810 U-1/5 • ,

810/6 • ,

810 T/6 •

2105 Lg/9 H •

163-299/8

730
730-3 • 730-6

751 HS/5

2140-50

2128 N-1

2240 N/36
, ¼", , , , ,

2204 • • ¼"
3 • 4 • 5 • 6 • 8

2208 • • ¼"
0.6x4.5 • 1x6 • 1.2x6.5

2215 • • ¼"
PH 1 • PH 3

2216 • • ¼"
PZ 1 • PZ 2

2223 • • ¼"
T 10 • T 15 • T 20 • T 25
T 27 • T 30 • T 40

2223 • • ¼"
T 20 H • T 30 H

2239-6 • ¼" • ¼"

HAZET No.	L x W x H mm	79x527x348 mm	164x527x348 mm		kg		EAN-No. 4000896+
• 6 flat drawers and 1 high drawer • Complete with 217-piece tool assortment in Safety-Insert-System soft foam insert							
177-7/217	780x498x915	6x	1x	7x	62.8	217	202461
177-7	780x498x915	6x	1x	7x	64.8	–	148592
• **Tool assortment** • In soft foam insert Safety-Insert-System							
0-6/217	–	–	–	–	–	217	190492

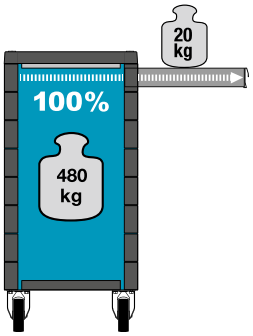
Components and spare parts
from page 482 to 490

178 N Tool trolley *Assistent*®

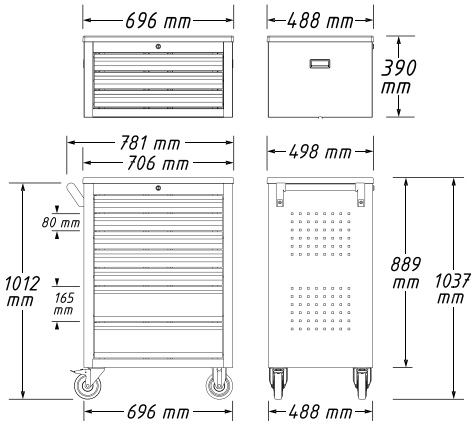
• **Tool trolley**

HiPer

3/3



YouTube Clip















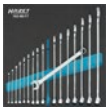
178 N-7



163-95/8 • ◉



450 N • ◉
6x7 • 8x9 • 10x11
12x13 • 14x15 • 16x17
18x19 • 21x22



163-98/17 • ◉



600 N • ◉
6 • 7 • 8 • 9 • 10
11 • 12 • 13 • 14 • 15
16 • 17 • 18 • 19 • 21
22 • 24



163-330/16 • ✪, ⬬, ○



810/6 • ✪, ⬬



810 T/6 • ○



1859 SPC/3



2140-50



163-466/106
◉, ○, ○, ⊛, ⬬, ✪, ○
6.3 ¼", 12.5 ½", 6.3/10 ¼"



751 HS/5



850 • ◉ • 6.3 ¼"
4 • 4.5 • 5 • 5.5
6 • 7 • 8 • 9
10 • 11 • 12 • 13



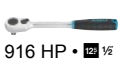
863 HP • 6.3 ¼"



867-2 • 6.3 ¼" • 6.3 ¼"



900 • ◉ • 12.5 ½"
10 • 11 • 12 • 13 • 14 • 15
16 • 17 • 18 • 19 • 21 • 22
24 • 27 • 30 • 32



916 HP • 12.5 ½"

917-5 • 12.5 ½" • 12.5 ½"



2105 Lg/9 H • ○



2116 Lg/8 H • ○



2240 N/51
✪, 6.3/10 ¼", ✪, ⊛, ○, ⬬, ○



2250-1 • 6.3/10 ¼" • 6.3 ¼"

HAZET No.	L x W x H mm	80 x 527 x 348 mm	165 x 527 x 348 mm	kg		EAN-No. 4000896+
• 5 flat and 2 high drawers • Complete with 147-piece tool assortment in Safety-Insert-System soft foam insert						
178 N-7/147	781 x 498 x 1037	5x	2x	–	147	205080
178 N-7	781 x 498 x 1037	5x	2x	74.1	–	202782
• **Tool assortment** • In soft foam insert Safety-Insert-System						
0-178 N/147	–	–	–	–	147	205097

The Assistent® – quality through and through. Job well done by HAZET!

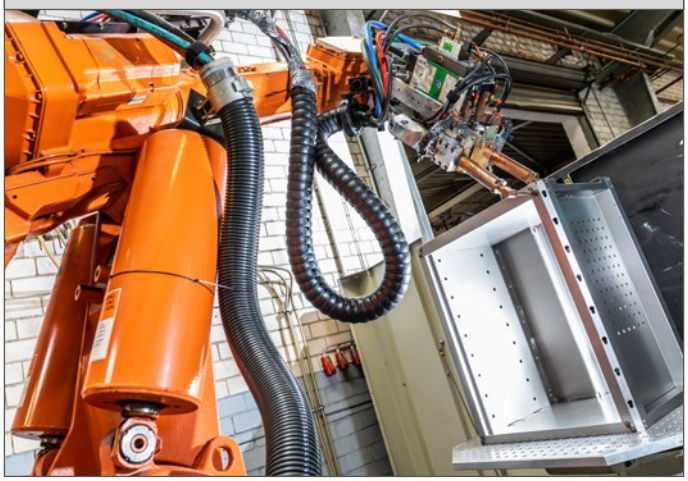
Design



Sheet metal forming



Welding robot



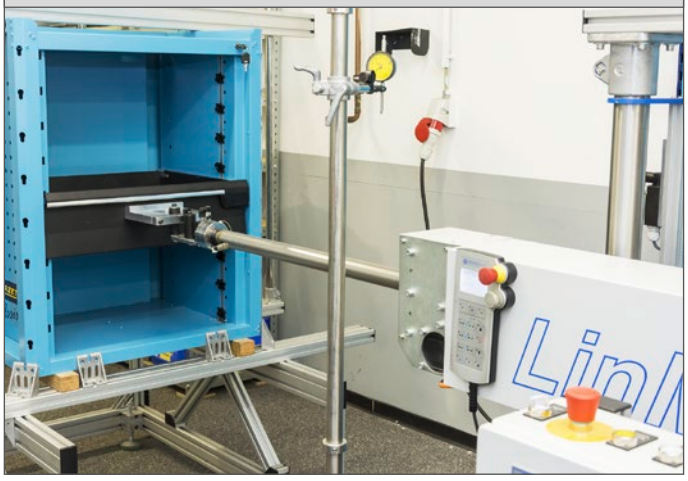
Powder coating



Installation



Quality management



Made in Germany

Components and spare parts
from page 482 to 490

179 N Tool trolley Assistent®

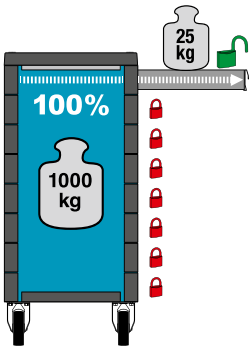
• Tool trolley

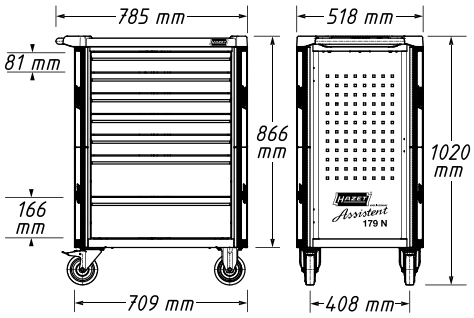
Ⓔ

HiPer

3/3+

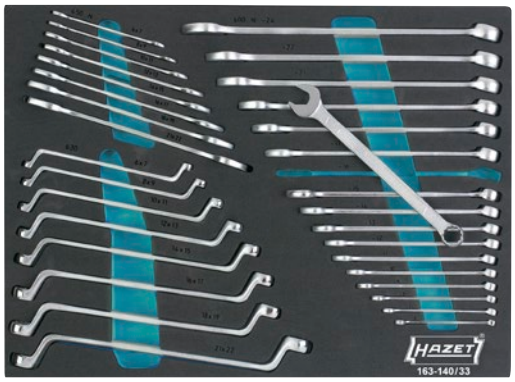
YouTube Clip

















▶

Components and spare parts
from page 482 to 490

179 N Tool trolley Assistent®


179 N-7


163-138/77
⚙, ○, ⬡, ✪, ✪, ⬬
12.5 ½, 6.3 ¼


850 • ⚙ • 6.3 ¼
4 • 5 • 5.5 • 6
7 • 8 • 9 • 10
11 • 12 • 13 • 14


850 LG • ⚙ • 6.3 ¼
4 • 5 • 5.5 • 6
7 • 8 • 9 • 10
11 • 12 • 13


858-1 • 10 ⅜ • 6.3 ¼


863 HP • 8.3 ¼


865 • 6.3 ¼


866 U • 8.3 ¼


867-2 • 8.3 ¼ • 6.3 ¼

868 • 8.3 ¼ • 6.3 ¼


869 • 8.3 ¼ • 6.3 ¼


8501 • ○ • 6.3 ¼
3 • 4 • 5 • 6 • 8


8503 • ⬬ • 6.3 ¼
0.6x3.5 • 1x5.5 • 1.2x8


8506 • ✪ • 6.3 ¼
PH 1 • PH 2


8507 • ✪ • 6.3 ¼
PZ 1 • PZ 2

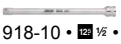

900 • ⚙ • 12.5 ½
10 • 11 • 12 • 13 • 14
15 • 16 • 17 • 18 • 19
20 • 21 • 22 • 24 • 27
30 • 32


903 SLG • ⚙ • 12.5 ½
17 • 19


915 • 12.5 ½

916 HP • 12.5 ½


917-5 • 12.5 ½ • 12.5 ½

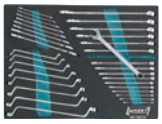

918-10 • 12.5 ½ • 12.5 ½

919-1 • 12.5 ½ • 12.5 ½


920 • 12.5 ½ • 12.5 ½


958-1 • 20 ¾ • 12.5 ½
958-2 • 10 ⅜ • 12.5 ½


986 • ○ • 12.5 ½
5 • 6 • 7 • 8
10 • 12 • 14 • 17


163-140/33 • ⚙, ⚙, ✺


450 N • ✺
6x7 • 8x9 • 10x11
12x13 • 14x15 • 16x17
18x19 • 21x22


600 N • ⚙
6 • 7 • 8 • 9 • 10
11 • 12 • 13 • 14 • 15
16 • 17 • 18 • 19 • 21
22 • 24


630 • ✺
6x7 • 8x9 • 10x11
12x13 • 14x15 • 16x17
18x19 • 21x22


163-141/31 • ✪, ○, ⬬, ⬡


802 • ⬬
0.6x3.5 • 0.8x4 • 1x5.5
1.2x6.5 • 1.2x8 • 1.6x10
2x12


802-PH • ✪
PH 1 • PH 2 • PH 3


801 NK • ⬬
1x5.5


801 NK-PH • ✪
PH 2


803-T • ⬡
T 6 • T 7 • T 8 • T 9
T 10 • T 15 • T 20 • T 25
T 27 • T 30


2105 Lg/9 H • ○


163-143/18 • ✺


426 • ✺
6 • 7


612 N • ✺
10x11


730
730-3 • 730-6

746-1

748 B
748 b-3 • 748 b-4
748 b-5 • 748 b-6
748 b-8

824 • ▬
0.5x23

1952-40

2140-40

2152 N/3

2154 N-5

4968-2

2128 N-1

2240 N/36
✪, 6.3 ¼, ✪, ⊙, ○, ⬬, ⬡

2204 • ○ • 8.3 ¼
3 • 4 • 5 • 6

2208 • ⬬ • 8.3 ¼
0.6x4.5 • 0.8x5.5 • 1x6

2215 • ✪ • 8.3 ¼
PH 1 • PH 2 • PH 3

2216 • ✪ • 8.3 ¼
PZ 1 • PZ 2 • PZ 3

2223 • ○ • 8.3 ¼
T 10 • T 15 • T 20 • T 25
T 27 • T 30 • T 40

2223 • ⊙ • 8.3 ¼
T 20 H • T 30 H

2239-6 • 8.3 ¼ • 8.3 ¼

HAZET No.	L x W x H mm	81x522x398 mm	166x522x398 mm	kg		EAN-No. 4000896+
• 5 flat and 2 high drawers						
179 N-7/220	785x518x1020	5x	2x	90	220	220267
179 N-7	785x518x1020	5x	2x	90	–	214488
• Tool assortment • In soft foam insert Safety-Insert-System						
0-179/220	–	–	–	–	220	168439

Components and spare parts
from page 482 to 490

179 N Tool trolley Assistent®

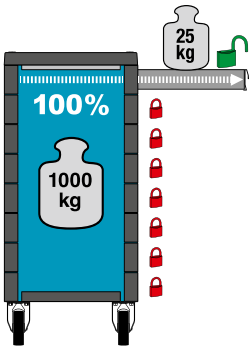
• MERCEDES-BENZ tool trolley

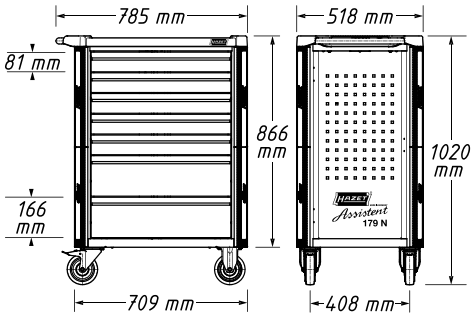
Ⓔ

HiPer

3/3+

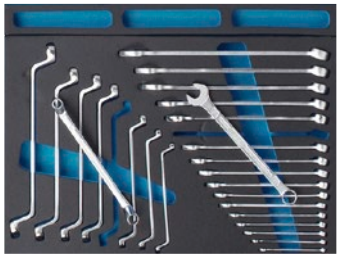
YouTube Clip



























179 N-8



163-118/57
○, ⊖, ✪, ✪, ◎
12⁵ ½, 6.3 ¼



850 • ◎ • 6.3 ¼
4 • 5 • 5.5 • 6
7 • 8 • 9 • 10
11 • 12 • 13 • 14



8501 • ○ • 6.3 ¼
3 • 4 • 5 • 6 • 8



8503 • ⊖ • 6.3 ¼
0.6x3.5 • 1x5.5 • 1.2x8



8506 • ✪ • 6.3 ¼
PH 1 • PH 2



8507 • ✪ • 6.3 ¼
PZ 1 • PZ 2



863 HP • 6.3 ¼



865 • 6.3 ¼



866 U • 6.3 ¼



867-2 • 6.3 ¼ • 6.3 ¼

868 • 6.3 ¼ • 6.3 ¼



869 • 6.3 ¼ • 6.3 ¼



900 Z • ◎ • 12⁵ ½
10 • 11 • 12 • 13 • 14 • 15
16 • 17 • 18 • 19 • 20 • 21
22 • 23 • 24 • 26 • 27 • 28
30 • 32 • 34



915 • 12⁵ ½



916 HP • 12⁵ ½

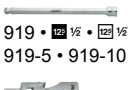
▶

Errors excepted

Components and spare parts
from page 482 to 490

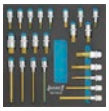
179 N Tool trolley Assistent®

◀


919 • ½ • ½
919-5 • 919-10


920 • ½ • ½

919-1 • ½ • ½


163-119/23 • ○, ○ • ½


986 • ○ • ½
5 • 6 • 7 • 8 • 10
12 • 14 • 17 • 19


986 KK • ○ • ½
6 • 7 • 8 • 10


990 • ○ • ½
M 8 • M 10 • M 12
M 14 • M 16 • M 18


990 LG • ○ • ½
M 8 • M 14


990 SLG • ○ • ½
M 10 • M 12


163-120/24 • ✪, ⬬, ○

730
730-3 • 730-6


746-1

748 B
748 b-3 • 748 b-4
748 b-5 • 748 b-6


760-2


801 NK • ⬬
1x5.5


801 NK-PH • ✪
PH 2


803 • ⬬
0.4x2.5 • 0.5x3 • 0.6x3.5
0.8x4 • 1.2x6.5 • 1.2x8


803-PH • ✪
PH 1 • PH 2 • PH 3


1802 M-22


1841 M b-33


1850 M-22


2105 Lg/9 H • ○


2140-50


163-121/4


755-10 A


1802 M-33


1803 M-11


1841 M a-11


163-122/3 • ✺


428 • ✺
8 • 10 • 13


1845
163-124/4


1845 A-19


1845 B-19


1845 C-19


1845 D-19


163-130 L


163-131/8
6.3 ¼", 10 ⅜", 12 ½", 20 ¾"


858-1 • 10 ⅜ • 6.3 ¼


8858-1 • ½ • ⅜
8858-2 • ¼ • ⅜


903 SLG • ½
17 • 19

958-1 • ¾ • ½
958-2 • ⅜ • ½

1058-2 • ½ • ¾

163-30/25 • ✺, ✪

600 N • ✪
6 • 7 • 8 • 9 • 10
11 • 12 • 13 • 14 • 15
16 • 17 • 18 • 19 • 21
22 • 24

630 • ✺
6x7 • 8x9 • 10x11
12x13 • 14x15 • 16x17
18x19 • 21x22

163-522x50

163-53/75 • ✺, ⊙, ○, ✪
½", ⅜", 6.3 ¼", ¼"

609 • ✺
E 6, E 8 • E 10, E 12
E 14, E 18 • E 20, E 24

803-T • ○
T 6 • T 7 • T 8 • T 9
T 10 • T 15 • T 20 • T 25
T 27 • T 30

850 E • ✺ • 6.3 ¼
E 4 • E 5 • E 6 • E 7 • E 8

880 • ✪ • ⅜
10 • 11 • 12 • 13
14 • 15 • 16 • 17
18 • 19 • 21 • 22

880 E • ✺ • ⅜
E 10 • E 11 • E 12 • E 14

8802 • ○ • ⅜
T 40 • T 45

8816 HP • ⅜

8820 • ⅜ • ⅜

8821 • ⅜ • ⅜
8821-3 • 8821-6 • 8821-10

900 E • ✺ • ½
E 16 • E 18 • E 20 • E 24

992 • ○ • ½
T 50 • T 55 • T 60

2115 • ○
T 6 • T 7 • T 8 • T 9
T 10 • T 15 • T 20 • T 25
T 27 • T 30 • T 40

2223 • ○ • 3/8

2223 • ⊙ • 3/8
T 7 H • T 8 H • T 9 H
T 10 H • T 15 H • T 20 H
T 25 H • T 27 H • T 30 H
T 40 H

2223 LG • ○ • 3/8
T 25

2250-1 • 3/8 • 6.3 ¼
2250-2 • 3/8 • ⅜

863 HP B • 3/8

163-95/8 • ✺

450 N • ✺
6x7 • 8x9 • 10x11
12x13 • 14x15 • 16x17
18x19 • 21x22

163-97/6 • ✪

606 • ✪
8 • 10 • 12 • 13 • 17 • 19

180-38

426 • ✺
6 • 7 • 8

450 N • ✺
24x27 • 30x32

600 N • ✪
27 • 30 • 32

612 • ✺
10x11

630 • ✺
24x27 • 30x32

650-20

803 LG-T • ○
T 15 • T 20 • T 25 • T 30

824 • ▬
0.5x23

828-T • ○
T 45

880 G/10 H • ✪ • ⅜

880 G • ✪ • ⅜
10 • 11 • 12 • 13 • 14
15 • 16 • 17 • 18 • 19

880 TZ/10 H • ✺ • ⅜

880 TZ • ✪ • ⅜
10 • 11 • 12 • 13 • 14
15 • 16 • 17 • 18 • 19

900 SZ • ✪ • ½
32 • 34 • 36

918-23 • ½ • ½

1015/2 • ¾

1014

1015-1 • ¾

1952-35

1976

2130

2147

2154-10

2154 N-5

2160

2165-2

2211 • ○ • 3/8
M 4 • M 5

2212 • ○ • 8
M 10 • M 6 • M 8

6420 b • 3/8 • 9x12

6420 c • 8 • 9x12

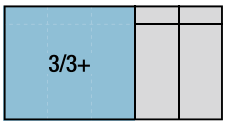
HAZET No.	L x W x H mm	81x522x398 mm	166x522x398 mm	kg		EAN-No. 4000896+
• 7 flat drawers and 1 high drawer • Includes 296-piece tool assortment in Safety-Insert-System soft foam insert						
179 N-8-2700/296	785x518x1020	7x	1x	90	296	220298
179 N-8	785x518x1020	7x	1x	90	–	214587
• **Tool assortment** • In soft foam insert Safety-Insert-System						
0-2700-163/296	–	–	–	37	296	162031

Components and spare parts
from page 482 to 490

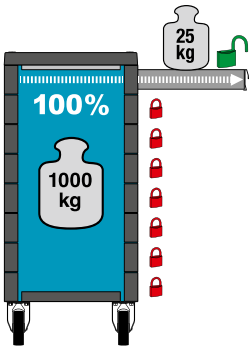
179 N Tool trolley *Assistent*®

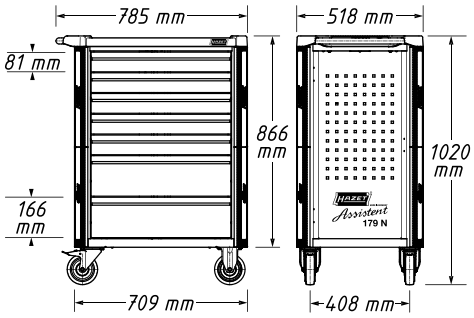
- With tool assortment for VW / AUDI

HiPer

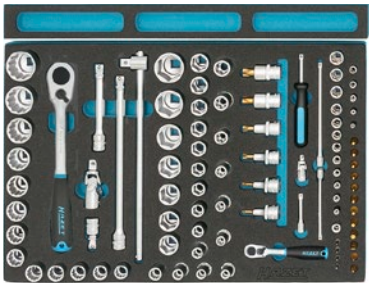


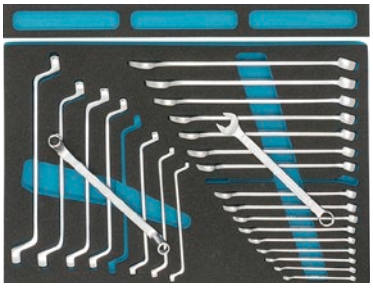
YouTube Clip





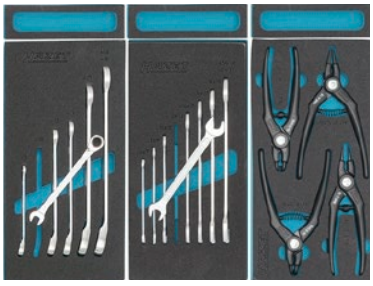


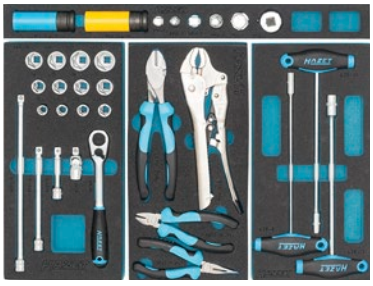


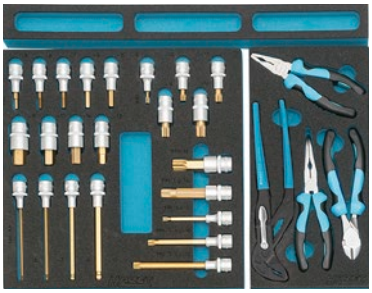




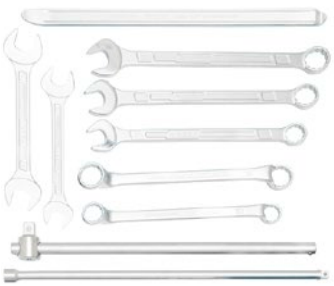








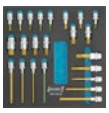




▶

179 N Tool trolley Assistent®


179 N-8-RAL 7021


163-119/23 • ○, ○ • 12.5 ½


986 • ○ • 12.5 ½
5 • 6 • 7 • 8 • 10
12 • 14 • 17 • 19


986 KK • ○ • 12.5 ½
6 • 7 • 8 • 10


990 • ○ • 12.5 ½
M 8 • M 10 • M 12
M 14 • M 16 • M 18


990 LG • ○ • 12.5 ½
M 8 • M 14


990 SLG • ○ • 12.5 ½
M 10 • M 12


163-121/4


755-10 A


1802 M-33


1803 M-11


1841 M a-11


163-122/3 • ◉


428 • ◉
8 • 10 • 13


1845
163-124/4


1845 A-19


1845 B-19


1845 C-19


1845 D-19


163-131/8
6.3 ¼, 10 ⅜, 12.5 ½, 20 ¾


858-1 • 10 ⅜ • 6.3 ¼


8858-1 • 12.5 ½ • 10 ⅜
8858-2 • 6.3 ¼ • 10 ⅜


903 SLG • ◉ • 12.5 ½
17 • 19


958-1 • 20 ¾ • 12.5 ½
958-2 • 10 ⅜ • 12.5 ½


1058-2 • 12.5 ½ • 20 ¾


163-141/31 • ✪, ○, ⬬, ○


802 • ⬬
0.6x3.5 • 0.8x4 • 1x5.5
1.2x6.5 • 1.2x8 • 1.6x10
2x12


802-PH • ✪
PH 1 • PH 2 • PH 3


801 NK • ⬬
1x5.5


801 NK-PH • ✪
PH 2


803-T • ○
T 6 • T 7 • T 8 • T 9
T 10 • T 15 • T 20 • T 25
T 27 • T 30


2105 Lg/9 H • ○


163-143/18 • ◉


426 • ◉
6 • 7


612 N • ◉
10x11


730
730-3 • 730-6


746-1


748 B
748 b-3 • 748 b-4
748 b-5 • 748 b-6
748 b-8


824 • ━
0.5x23


1952-40

2140-40

2152 N/3

2154 N-5

4968-2

163-172x50

163-181/17 • ◉ • 10 ⅜

880 • ◉ • 10 ⅜
10 • 11 • 12 • 13
14 • 15 • 16 • 17
18 • 19 • 21 • 22

8816 HP • 10 ⅜

8820 • 10 ⅜ • 10 ⅜

8821 • 10 ⅜ • 10 ⅜
8821-3 • 8821-6 • 8821-10

163-257/4

760-2

1802 M-22

1841 M b-33

1850 M-22

163-258/92

850 • ◉ • 6.3 ¼
4 • 5 • 5.5 • 6
7 • 8 • 9 • 10
11 • 12 • 13 • 14

850 E • ✱ • 6.3 ¼
E 4 • E 5 • E 6 • E 7 • E 8

8501 • ○ • 6.3 ¼
3 • 4 • 5 • 6

8502 • ○ • 6.3 ¼
T 10 • T 15 • T 20
T 25 • T 27

8503 • ⬬ • 6.3 ¼
1x5.5

8506 • ✪ • 6.3 ¼
PH 1 • PH 2

863 HP • 6.3 ¼

866 U • 6.3 ¼

867-2 • 6.3 ¼ • 6.3 ¼

867-4 • 6.3 ¼ • 6.3 ¼

868 • 6.3 ¼ • 6.3 ¼

869 • 6.3 ¼ • 6.3 ¼

900 • ◉ • 12.5 ½
10 • 11 • 12 • 13 • 14
15 • 16 • 17 • 18 • 19
20 • 21 • 22 • 24 • 27
30 • 32

900 Z • ◉ • 12.5 ½
8 • 9 • 10 • 12 • 13
14 • 15 • 16 • 17 • 18
19 • 21 • 22 • 24 • 27
30 • 32

900 E • ✱ • 12.5 ½
E 10 • E 12 • E 14
E 16 • E 18 • E 20

915 • 12.5 ½

916 HP • 12.5 ½

919 • 12.5 ½ • 12.5 ½
919-1 • 919-5 • 919-10

920 • 12.5 ½ • 12.5 ½

992 • ○ • 12.5 ½
T 30 • T 40 • T 45
T 50 • T 55 • T 60

2223 • ○ • 8 ¼
T 6 • T 7 • T 8 • T 9

2250-1 • 8 ¼ • 6.3 ¼

163-30/25 • ◉, ◉

600 N • ◉
6 • 7 • 8 • 9 • 10
11 • 12 • 13 • 14 • 15
16 • 17 • 18 • 19 • 21
22 • 24

630 • ◉
6x7 • 8x9 • 10x11
12x13 • 14x15 • 16x17
18x19 • 21x22

163-522x50

163-95/8 • ◉

450 N • ◉
6x7 • 8x9 • 10x11
12x13 • 14x15 • 16x17
18x19 • 21x22

163-97/6 • ◉

606 • ◉
8 • 10 • 12 • 13 • 17 • 19

426 • ◉
8

450 N • ◉
24x27 • 30x32

600 N • ◉
27 • 30 • 32

630 • ◉
24x27 • 30x32

650-20

803 LG-T • ○
T 15 • T 20 • T 25 • T 30

828-T • ○
T 45

880 G/10 H • ◉ • 10 ⅜

880 G • ◉ • 10 ⅜
10 • 11 • 12 • 13 • 14
15 • 16 • 17 • 18 • 19

880 TZ/10 H • ◉ • 10 ⅜

880 TZ • ◉ • 10 ⅜
10 • 11 • 12 • 13 • 14
15 • 16 • 17 • 18 • 19

8822-1 • 10 ⅜ • 10 ⅜

8822-10 • 10 ⅜ • 10 ⅜

8822-3 • 10 ⅜ • 10 ⅜

900 SZ • ◉ • 12.5 ½
32 • 36

918-23 • 12.5 ½ • 12.5 ½

1015/2 • 20 ¾

1014

1015-1 • 20 ¾

1841 M a-22

2116 Lg/8 H • ○

2211 • ○ • 8 ¼
M 4 • M 5

2212 • ○ • 8 ¼
M 10 • M 6 • M 8

6420 b • 8 ¼ • 9 x 12

6420 c • 8 ¼ • 9 x 12

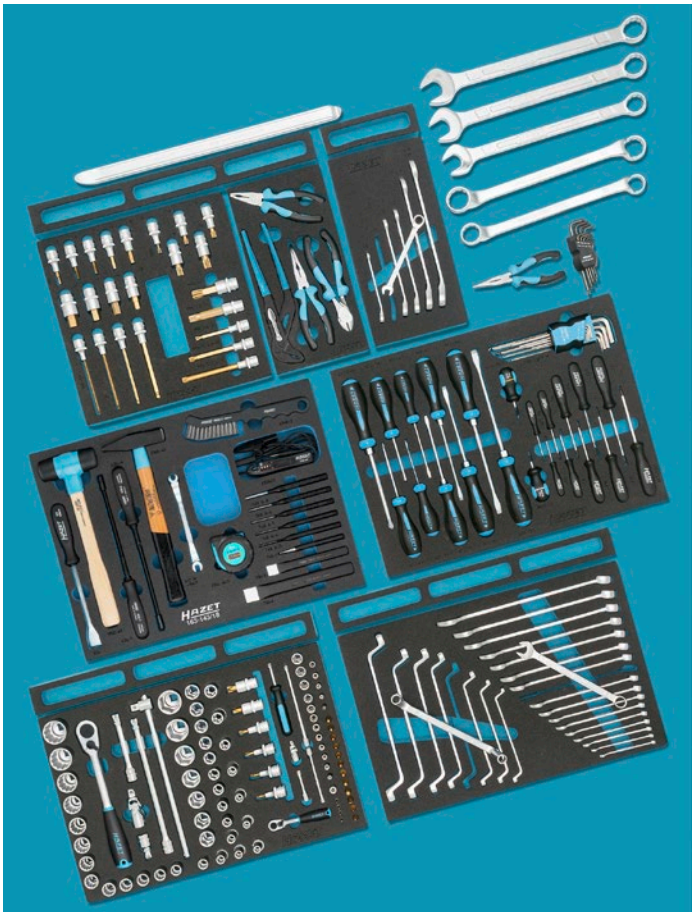
HAZET No.	L x W x H mm	81x522x398 mm	166x522x398 mm	kg		EAN-No. 4000896+
• 7 flat drawers and 1 high drawer • Colour: RAL 7021 (black grey) • Includes 300-piece tool assortment in Safety-Insert-System soft foam insert						
179 N-8-RAL 7021/300	785x518x1020	7x	1x	90	300	220328
179 N-8-RAL 7021	785x518x1020	7x	1x	90	–	220311

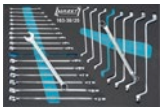
Components and spare parts
from page 482 to 490

0-2500 Standard tool assortment for AUDI

- **Standard assortment for AUDI**
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent

HiPer





163-30/25 • ●, ◙

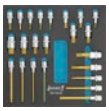
600 N • ◙
6 • 7 • 8 • 9 • 10
11 • 12 • 13 • 14 • 15
16 • 17 • 18 • 19 • 21
22 • 24

630 • ●
6x7 • 8x9 • 10x11
12x13 • 14x15 • 16x17
18x19 • 21x22



606 • ◙
163-97/6

606 • ◙
8 • 10 • 12 • 13 • 17 • 19



163-119/23 • ○, ○ • 125 ½



986 • ○ • 125 ½
5 • 6 • 7 • 8 • 10
12 • 14 • 17 • 19



986 KK • ○ • 125 ½
6 • 7 • 8 • 10



990 • ○ • 125 ½
M 8 • M 10 • M 12
M 14 • M 16 • M 18



990 LG • ○ • 125 ½
M 8 • M 14



990 SLG • ○ • 125 ½
M 10 • M 12



163-141/31 • ✪, ○, ⬬, ○



802 • ⬬
0.6x3.5 • 0.8x4 • 1x5.5
1.2x6.5 • 1.2x8 • 1.6x10
2x12



802-PH • ✪
PH 1 • PH 2 • PH 3



801 NK • ⬬
1x5.5



801 NK-PH • ✪
PH 2



803-T • ○
T 6 • T 7 • T 8 • T 9
T 10 • T 15 • T 20 • T 25
T 27 • T 30



2105 Lg/9 H • ○



163-143/18 • ●



426 • ●
6 • 7



612 N • ●
10x11



730
730-3 • 730-6



746-1

748 B
748 b-3 • 748 b-4
748 b-5 • 748 b-6
748 b-8



824 • ▬
0.5x23



1952-40



2140-40



2152 N/3



2154 N-5



4968-2



163-172x50



163-257/4



760-2



1802 M-22



1841 M b-33



1850 M-22



163-258/92



850 • ◙ • 6.3 ¼
4 • 5 • 5.5 • 6
7 • 8 • 9 • 10
11 • 12 • 13 • 14



850 E • ✱ • 6.3 ¼
E 4 • E 5 • E 6 • E 7 • E 8



8501 • ○ • 6.3 ¼
3 • 4 • 5 • 6



8502 • ✪ • 6.3 ¼
T 10 • T 15 • T 20
T 25 • T 27



8503 • ⬬ • 6.3 ¼
1x5.5

8506 • ✪ • 6.3 ¼
PH 1 • PH 2

863 HP • 6.3 ¼

866 U • 6.3 ¼

867-2 • 6.3 ¼ • 6.3 ¼

867-4 • 6.3 ¼ • 6.3 ¼

868 • 6.3 ½ • 6.3 ¼

869 • 6.3 ½ • 6.3 ¼

900 • ◙ • 125 ½
10 • 11 • 12 • 13 • 14
15 • 16 • 17 • 18 • 19
20 • 21 • 22 • 24 • 27
30 • 32

900 Z • ◙ • 125 ½
8 • 9 • 10 • 12 • 13
14 • 15 • 16 • 17 • 18
19 • 21 • 22 • 24 • 27
30 • 32

900 E • ✱ • 125 ½
E 10 • E 12 • E 14
E 16 • E 18 • E 20

915 • 125 ½

916 HP • 125 ½

919 • 125 ½ • 125 ½
919-1 • 919-5 • 919-10

920 • 125 ½ • 125 ½

992 • ○ • 125 ½
T 30 • T 40 • T 45
T 50 • T 55 • T 60

2223 • ○ • 6.3 ¼
T 6 • T 7 • T 8 • T 9

2250-1 • 6.3 ½ • 6.3 ¼

163-522x50

600 N • ◙
27 • 30 • 32

630 • ●
24x27 • 30x32

650-20

1841 M a-22

2116 Lg/8 H • ○

HAZET No.	kg		EAN-No. 4000896+
0-2500-163/214	25.7	214	179510

Components and spare parts from page 482 to 490

0-2500 Supplementary tool assortment for AUDI

- **Supplementary tool assortment for AUDI**
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent

HiPer





163-95/8 •

450 N •
6x7 • 8x9 • 10x11
12x13 • 14x15 • 16x17
18x19 • 21x22



163-121/4



755-10 A



1802 M-33



1803 M-11



1841 M a-11



163-122/3 •



428 •
8 • 10 • 13



1845
163-124/4



1845 A-19



1845 B-19



1845 C-19



1845 D-19



163-131/8
6.3 1/4", 10 3/8", 12.5 1/2", 20 3/4"



858-1 • 10 3/8 • 6.3 1/4



8858-1 • 12.5 1/2 • 10 3/8
8858-2 • 6.3 1/4 • 10 3/8



903 SLG • • 12.5 1/2
17 • 19



958-1 • 20 3/4 • 12.5 1/2
958-2 • 10 3/8 • 12.5 1/2



1058-2 • 12.5 1/2 • 20 3/4



163-172x50



163-181/17 • • 10 3/8



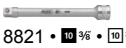
880 • • 10 3/8
10 • 11 • 12 • 13
14 • 15 • 16 • 17
18 • 19 • 21 • 22



8816 HP • 10 3/8



8820 • 10 3/8 • 10 3/8



8821 • 10 3/8 • 10 3/8
8821-3 • 8821-6 • 8821-10



426 •
8



450 N •
24x27 • 30x32



803 LG-T •
T 15 • T 20 • T 25 • T 30



828-T •
T 45



880 G/10 H • • 10 3/8



880 G • • 10 3/8
10 • 11 • 12 • 13 • 14
15 • 16 • 17 • 18 • 19



880 TZ/10 H • • 10 3/8



880 TZ • • 10 3/8
10 • 11 • 12 • 13 • 14
15 • 16 • 17 • 18 • 19



8822-1 • 10 3/8 • 10 3/8

8822-10 • 10 3/8 • 10 3/8

8822-3 • 10 3/8 • 10 3/8



900 SZ • • 12.5 1/2
32 • 36

918-23 • 12.5 1/2 • 12.5 1/2



1015/2 • 20 3/4

1014

1015-1 • 20 3/4

2211 • • 6.3 1/4
M 4 • M 5

2212 • • 8 5/16
M 6 • M 8 • M 10

6420 b • 6.3 1/4 • 9x12

6420 c • 8 5/16 • 9x12

HAZET No.	kg		EAN-No. 4000896+
0-2500-163/86	12	86	179503

Components and spare parts
from page 482 to 490

179 N Tool trolley Assistent®

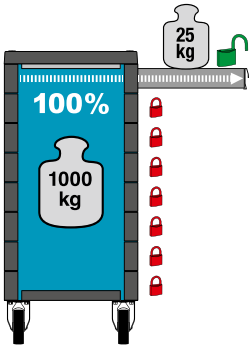
- Full BMW passenger car assortment

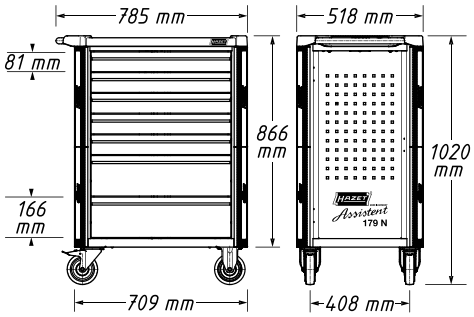
Ⓔ

HiPer

3/3+

YouTube Clip





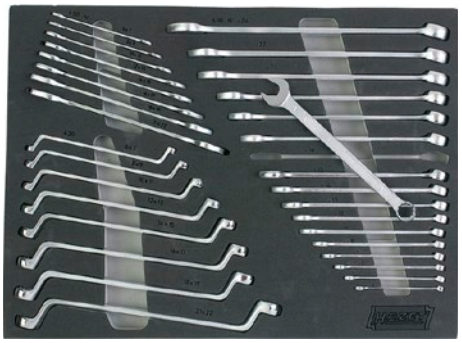


Specialised tool assortment for BMW

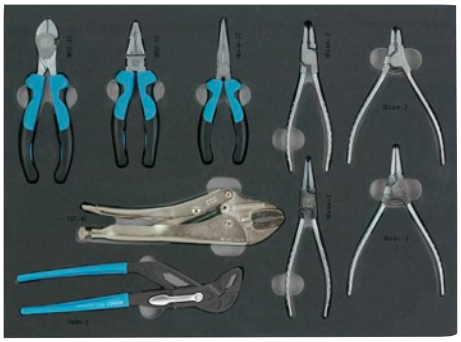














►

179 N Tool trolley Assistent®


179 N T-8-RAL 7016


163-104/77-BMW


850 • 6.3 ¼"
3 • 4 • 5 • 5.5 • 6
7 • 8 • 9 • 10 • 11
12 • 13 • 14


850 LG • 6.3 ¼"
4 • 5 • 5.5 • 6
7 • 8 • 9 • 10
11 • 12 • 13

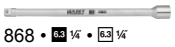

858-1 • 10 3/8" • 6.3 ¼"


863 HP • 6.3 ¼"


865 • 6.3 ¼"


866 U • 6.3 ¼"


867-2 • 6.3 ¼" • 6.3 ¼"


868 • 6.3 ¼" • 6.3 ¼"


869 • 6.3 ¼" • 6.3 ¼"

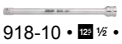

900 • 12.5 ½"
10 • 11 • 12 • 13 • 14
15 • 16 • 17 • 18 • 19
20 • 21 • 22 • 24 • 27
30 • 32

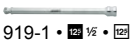

903 SLG • 12.5 ½"
17 • 19


915 • 12.5 ½"


916 HP • 12.5 ½"


917-5 • 12.5 ½" • 12.5 ½"


918-10 • 12.5 ½" • 12.5 ½"


919-1 • 12.5 ½" • 12.5 ½"


920 • 12.5 ½" • 12.5 ½"


958-1 • 20 ¾" • 12.5 ½"
958-2 • 10 3/8" • 12.5 ½"


986 • 12.5 ½"
5 • 6 • 7 • 8
10 • 12 • 14 • 17


8501 • 6.3 ¼"
3 • 4 • 5 • 6 • 8


8503 • 6.3 ¼"
0.6x3.5 • 1x5.5 • 1.2x8


8506 • 6.3 ¼"
PH 1 • PH 2


8507 • 6.3 ¼"
PZ 2 • PZ 1


163-105/90-BMW


609 •
E 6, E 8 • E 10, E 12
E 14, E 18 • E 20, E 24


850 E • 6.3 ¼"
E 4 • E 5 • E 6 • E 7 • E 8


880 • 10 3/8"
7 • 8 • 9 • 10 • 11
12 • 13 • 14 • 15 • 16
17 • 18 • 19 • 21 • 22


880 LG • 10 3/8"
10 • 11 • 12 • 13


880 G • 10 3/8"
10 • 11 • 12 • 13
14 • 15 • 16


880 E • 10 3/8"
E 10 • E 11 • E 12 • E 14


880 G-E • 10 3/8"
E 8 • E 10


8801 K • 10 3/8"
9


8802 • 10 3/8"
T 40 • T 45


8808 • 10 3/8"
M 6 • M 8 • M 10


8816 GK • 10 3/8"


8816 HP • 10 3/8"


8820 • 10 3/8" • 10 3/8"


8821 • 10 3/8" • 10 3/8"
8821-3 • 8821-6 • 8821-10

8858-1 • 12.5 ½" • 10 3/8"
8858-2 • 6.3 ¼" • 10 3/8"

900 E • 12.5 ½"
E 16 • E 18 • E 20 • E 24

992 • 12.5 ½"
T 50 • T 55 • T 60

2115 •
T 6 • T 7 • T 8 • T 9
T 10 • T 15 • T 20 • T 25
T 27 • T 30 • T 40

2215 • 6.3 ¼"
PH 1 • PH 2 • PH 3

2223 • 6.3 ¼"
T 6

2223 • 6.3 ¼"
T 7 H • T 8 H • T 9 H
T 10 H • T 15 H • T 20 H
T 25 H • T 27 H • T 30 H
T 40 H

2223 LG • 6.3 ¼"
T 25

2224 • 8 ⅝"
T 55

2250-1 • 6.3 ¼" • 6.3 ¼"
2250-2 • 6.3 ¼" • 10 3/8"

863 HP B • 6.3 ¼"

6420 d • 8 ⅝" •

163-106/33-BMW

450 N •
6x7 • 8x9 • 10x11
12x13 • 14x15 • 16x17
18x19 • 21x22

600 N •
6 • 7 • 8 • 9 • 10
11 • 12 • 13 • 14 • 15
16 • 17 • 18 • 19 • 21
22 • 24

630 •
6x7 • 8x9 • 10x11
12x13 • 14x15 • 16x17
18x19 • 21x22

163-107/31-BMW

802 •
0.6x3.5 • 0.8x4 • 1x5.5
1.2x6.5 • 1.2x8 • 1.6x10
2x12

802-PH •
PH 1 • PH 2 • PH 3

801 NK •
1x5.5

801 NK-PH •
PH 2

803-T •
T 6 • T 7 • T 8 • T 9
T 10 • T 15 • T 20 • T 25
T 27 • T 30

2105 Lg/9 H •

163-108/9-BMW

757-10

760-2

1802-22

1841 a-22

1846 a-2

1846 b-2

1846 c-2

1846 d-2

1850-22

163-109/18-BMW

426 •
6 • 7

612 N •
10x11

730
730-3 • 730-6

746-1

748 B
748 b-3 • 748 b-4
748 b-5 • 748 b-6
748 b-8

824 •
0.5x23

1952-40

2140-40

2152 N/3

2154 N-5

4968-2

600 N •
27 • 30 • 32

918-23 • 12.5 ½" • 12.5 ½"

1975

1976-2

HAZET No.	L x W x H mm	81 x 522 x 398 mm	166 x 522 x 398 mm	kg		EAN-No. 4000896+
• 7 flat drawers and 1 high drawer • Includes lateral door, lockable • Colour: RAL 7016 anthracite grey • Complete with coordinated 264-piece tool assortment – recommended by **BMW** – in Safety-Insert-System soft foam insert						
179 N T-8-RAL 7016/2	785x518x1020	7x	1x	90	264	220281
179 N T-8-RAL 7016	785x518x1020	7x	1x	90	–	220274
Tool assortment for vehicles of the BMW Group • Complete set • In soft foam insert Safety-Insert-System • 264 tools in high quality						
0-2900-163/264-BMW	–	–	–	–	264	146635

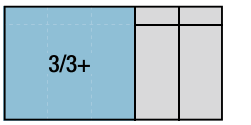
Components and spare parts
from page 482 to 490

179 N Tool trolley *Assistent*®

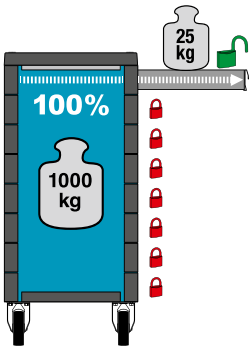
- Developed with leading automobile manufacturers
- Machining aluminium car body parts with special tools, e.g. on pure aluminium car bodies and aluminium components of mixed construction bodies
- Red marking of the tools signals to the users its special use at aluminium or mixed workstations

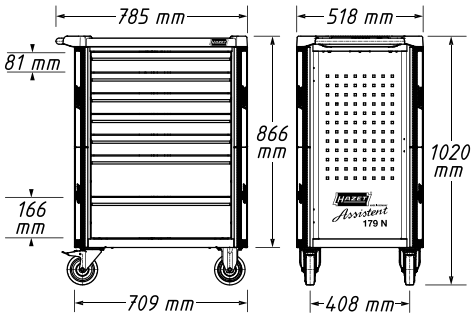
Ⓔ





YouTube Clip





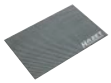


►

179 N Tool trolley Assistent®


179 N X-7-RAL 3020


179 N
161 T-179 N/4


180-38


750/6-1-RAL 3002


752-1 RAL 3002


752-2 RAL 3002


753-10 S RAL 3002


754-10 RAL 3002


757-12 RAL 3002


757-7 RAL 3002


758-2 RAL 3002


758-5 RAL 3002


759 N-2 RAL 3002

799-3 RAL 3002

822 RAL 3002


1774-250


1810-250 RAL 3002


1850-22 RAL 3002


1917 N


1919 N


1911-1923
1920 N RAL 3002


1921

1924-3 RAL 3002

1924-5 RAL 3002


1924-7 RAL 3002

1928 K RAL 3002

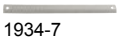

1927-1930
1930-1 RAL 3002


1931 RAL 3002


1933 RAL 3002


1934-1

1934-10 RAL 3002


1934-7

1934-9 RAL 3002

1934 N-1 RAL 3002

1934 N-2 RAL 3002


1938 K-RAL 3002


1935-1950
1940 RAL 3002


1935-1950
1950 RAL 3002


1952-23 RAL 3002


1952-28 RAL 3002

1952-35 RAL 3002

1953 N-30 RAL 3002

1953 N-45 RAL 3002

1953 N-60 RAL 3002

1960-5 RAL 3002

1961 L-2

1961 R-2

1964-30 RAL 3002

1975

1976

2130-1 RAL 3002

2140-3 RAL 3002

2140-5 RAL 3002

2141-0 RAL 3002

2150

2154-500

2154 N-5

HAZET No.	L x W x H mm	81 x 522 x 398 mm	166 x 522 x 398 mm	kg		EAN-No. 4000896+
• **Tool trolley 179 N X-7-RAL 3020: 5 flat and 2 high drawers** • **Complete with 65-piece aluminium-body tool assortment** • Machining aluminium car body parts with special tools, e.g. on pure aluminium car bodies and aluminium components of mixed construction bodies • For e.g. **AUDI** Q7 model year 2015 → · A2 (partial) · A6 model year 2011 → · A8 · R8 · TT **BMW** 5-Series · 6-Series · Z8 **LAND ROVER** Defender **MITSUBISHI** i-MiEV model year 2009 → 2016 **PORSCHE** Cayenne model year 2018 → **VW** Touareg model year 2018 → • Red marking of the tools signals to the users its special use at aluminium or mixed workstations							
179 N X-7/65 ALU	786 x 518 x 1020	5x	2x	90	65	219117
179 N X-7-RAL 3020	786 x 518 x 1020	5x	2x	90	–	219322
• **Aluminium-body tool assortment** • Machining aluminium car body parts with special tools, e.g. on pure aluminium car bodies and aluminium components of mixed construction bodies • For e.g. **AUDI** Q7 model year 2015 → · A2 (partial) · A6 model year 2011 → · A8 · R8 · TT **BMW** 5-Series · 6-Series · Z8 **LAND ROVER** Defender **MITSUBISHI** i-MiEV model year 2009 → 2016 **PORSCHE** Cayenne model year 2018 → **VW** Touareg model year 2018 → • Red marking of the tools signals to the users its special use at aluminium or mixed workstations							
0-179 N X/65 ALU	–	–	–	–	65	219124

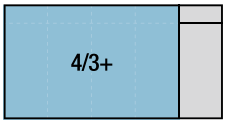
Components and spare parts
from page 482 to 490

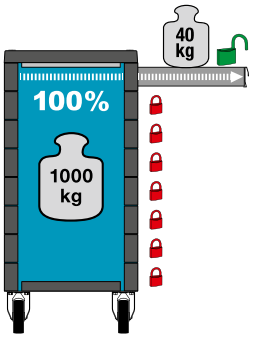
179 NXL Tool trolley *Assistent*®

• Tool trolley

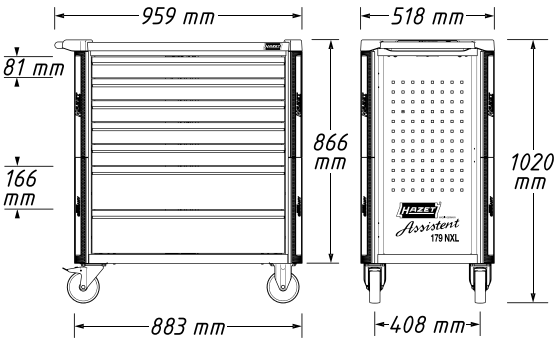
Ⓔ

HiPer

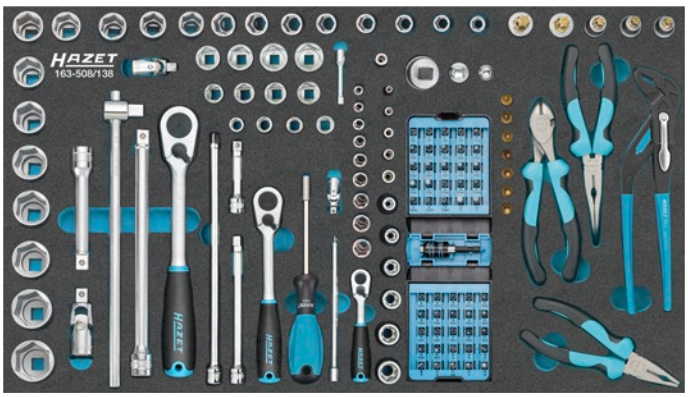




YouTube Clip

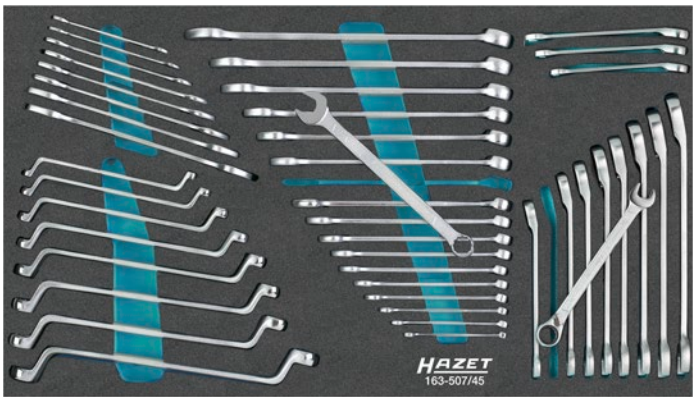








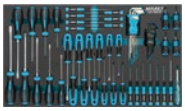




▶

179 NXL Tool trolley *Assistent*


179 N XL-7


163-480/57 • ⬬, ✪, ○, ○


801 NK • ⬬
0.6x3.5 • 1x5.5


801 NK-PH • ✪
PH 1 • PH 2


802 • ⬬
0.8x4 • 1x5.5 • 1.2x6.5
1.2x8 • 1.6x10


802-PH • ✪
PH 0 • PH 1 • PH 2 • PH 3


805/7 • ✪, ⬬


808/7 • ○


810 • ⬬
0.5x3 • 0.8x4
1x5.5 • 1.2x6.5


810-PH • ✪
PH 1 • PH 2


810-T • ○
T 10 • T 15 • T 20
T 25 • T 27 • T 30


839 • ⬬
0.5x2.8


2105 Lg/9 H • ○


2116 Lg/8 H • ○


163-507/45 • ◉, ◉


450 N • ◉
6x7 • 8x9 • 10x11
12x13 • 14x15 • 16x17
18x19 • 21x22


600 N • ◉
6 • 7 • 8 • 9 • 10
11 • 12 • 13 • 14 • 15
16 • 17 • 18 • 19 • 21
22 • 24


606 • ◉
8 • 9 • 10 • 11
12 • 13 • 14 • 15
16 • 17 • 18 • 19


630 • ◉
6x7 • 8x9 • 10x11
12x13 • 14x15 • 16x17
18x19 • 21x22


163-508/138
◉, ○, ⬬, ✪, ✪, ○
6.3 ¼", 12 ½", 10 ⅜"


760-2


810 SPC-6.3 • 6.3 ¼"

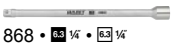

850 • ◉ • 6.3 ¼"
5.5 • 6 • 7 • 8 • 9
10 • 11 • 12 • 13


850 E • ⬢ • 6.3 ¼"
E 5 • E 6 • E 7 • E 8 • E 10


8502 • ○ • 6.3 ¼"
T 10 • T 15 • T 20 • T 25
T 27 • T 30 • T 40


863 HP • 6.3 ¼"


867-2 • 6.3 ¼" • 6.3 ¼"


868 • 6.3 ¼" • 6.3 ¼"


869 • 6.3 ¼" • 6.3 ¼"


880 • ◉ • 10 ⅜"
10 • 11 • 12 • 13
14 • 15 • 16 • 17
18 • 19 • 21 • 22


8816 HP • 10 ⅜"


8820 • 10 ⅜" • 10 ⅜"


8821 • 10 ⅜" • 10 ⅜"
8821-3 • 8821-6 • 8821-10


8858-2 • 6.3 ¼" • 10 ⅜"

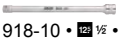

900 • ◉ • 12 ½"
10 • 11 • 12 • 13 • 14
15 • 16 • 17 • 18 • 19
20 • 21 • 22 • 23 • 24
26 • 27 • 28 • 30 • 32


900 E • ⬢ • 12 ½"
E 10 • E 12 • E 14
E 16 • E 18 • E 20


915 • 12 ½"


916 HP • 12 ½"


917-5 • 12 ½" • 12 ½"


918-10 • 12 ½" • 12 ½"

920 • 12 ½" • 12 ½"

958-2 • 10 ⅜" • 12 ½"

992 • ○ • 12 ½"
T 30 • T 40 • T 45
T 50 • T 55

1058-2 • 12 ½" • 20 ¾"

1802 M-22

1841 M b-33

1850 M-22

2240 N/51
✪, 6.3 ¼", ✪, ◉, ○, ⬬, ○

2250-1 • 6.3 ¼" • 6.3 ¼"

2128 N-1

HAZET No.	L x W x H mm	81x696x398 mm	166x696x398 mm	kg		EAN-No. 4000896+
• 5 flat and 2 high drawers • Complete with 265-piece tool assortment in Safety-Insert-System soft foam insert						
179 N XL-7/265	959x518x1020	5x	2x	125	265	215201
179 N XL-7	959x518x1020	5x	2x	125	–	215164
• **Tool assortment** • In soft foam insert Safety-Insert-System						
0-179 N XL/265	–	–	–	–	265	214761

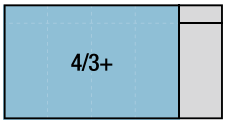
Components and spare parts
from page 482 to 490

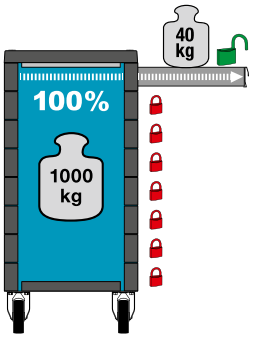
179 NXL Tool trolley Assistent®

• Tool trolley

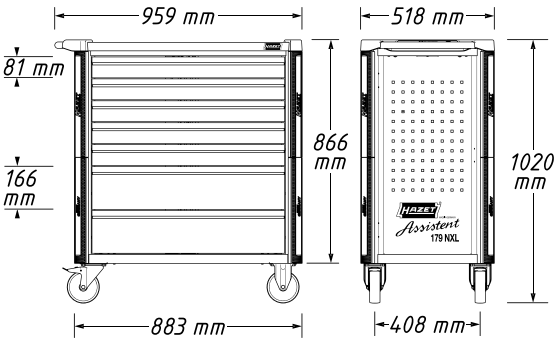
Ⓔ

HiPer



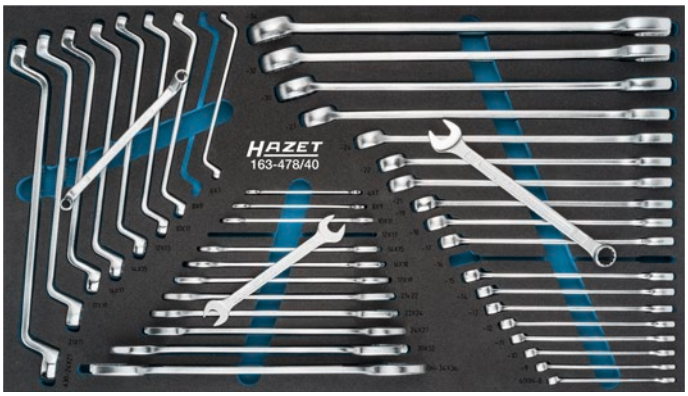


YouTube Clip













▶

179 NXL Tool trolley Assistent®


179 N XL-8


163-478/40 • ◙, ◉

450 N • ◉
6x7 • 8x9 • 10x11
12x13 • 14x15 • 16x18
17x19 • 21x22 • 22x24
24x27 • 30x32 • 34x36

600 N • ◙
8 • 9 • 10 • 11 • 12
13 • 14 • 15 • 16 • 17
18 • 19 • 21 • 22 • 24
27 • 30 • 32 • 34

630 • ◉
6x7 • 8x9 • 10x11
12x13 • 14x15 • 16x17
18x19 • 21x22 • 24x27


163-479/26

730
730-3 • 730-7

740-3

746-2

748 B
748 b-2 • 748 b-3
748 b-4 • 748 b-5
748 b-6 • 748 b-8


751 HS/5


760-2


824 • ▬
0.5x23

1802-33


1841 A-280


1841 a-33


1841 B-280

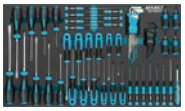

1841 b-33


1850-33


1953 N-40


2140-50


2142-2


163-480/57 • ◓, ✪, ○, ○


801 NK • ◓
0.6x3.5 • 1x5.5


801 NK-PH • ✪
PH 1 • PH 2

802 • ◓
0.8x4 • 1x5.5 • 1.2x6.5
1.2x8 • 1.6x10


802-PH • ✪
PH 0 • PH 1 • PH 2 • PH 3


805/7 • ✪, ◓


808/7 • ○


810 • ◓
0.5x3 • 0.8x4
1x5.5 • 1.2x6.5

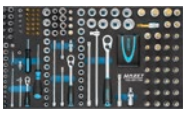

810-PH • ✪
PH 1 • PH 2


810-T • ○
T 10 • T 15 • T 20
T 25 • T 27 • T 30

839 • ◓
0.5x2.8


2105 Lg/9 H • ○


2116 Lg/8 H • ○


163-481/194
◙, ○, ◓, ✪, ○, ○
6.3 ¼", 12.5 ½", 6.3 ¼"


810 SPC-6.3 • 6.3 ¼"


850 • ◙ • 6.3 ¼"
3 • 4 • 5 • 6
7 • 8 • 9 • 10
11 • 12 • 13 • 14


850 E • ✱ • 6.3 ¼"
E 4 • E 5 • E 6 • E 8 • E 10


8501 • ○ • 6.3 ¼"
3 • 4 • 5 • 6 • 8


8502 • ○ • 6.3 ¼"
T 15 • T 20 • T 25
T 27 • T 30 • T 40


8503 • ◓ • 6.3 ¼"
0.6x3.5 • 1x5.5 • 1.2x8


8506 • ✪ • 6.3 ¼"
PH 1 • PH 2


8507 • ✪ • 6.3 ¼"
PZ 1 • PZ 2


850 LG • ◙ • 6.3 ¼"
4 • 5 • 6 • 7 • 8
9 • 10 • 11 • 12 • 13


858-1 • 10 3/8 • 6.3 ¼"


863 HP • 6.3 ¼"

865 • 6.3 ¼"

866 U • 6.3 ¼"

867-2 • 6.3 ¼" • 6.3 ¼"

868 • 6.3 ¼" • 6.3 ¼"

869 • 6.3 ¼" • 6.3 ¼"

880 • ◙ • 10 3/8
10 • 11 • 12 • 13
14 • 15 • 16 • 17
18 • 19 • 21 • 22

8801 K • ○ • 10 3/8
5 • 6 • 8 • 10

880 LG • ◙ • 10 3/8
12 • 13 • 14 • 15
16 • 17 • 18 • 19

8816 HP • 10 3/8

8820 • 10 3/8 • 10 3/8

8821 • 10 3/8 • 10 3/8
8821-3 • 8821-6 • 8821-10

900 • ◙ • 12.5 ½"
10 • 11 • 12 • 13 • 14
15 • 16 • 17 • 18 • 19
20 • 21 • 22 • 23 • 24
26 • 27 • 28 • 30 • 32

915 • 12.5 ½"

916 HP • 12.5 ½"

917-5 • 12.5 ½" • 12.5 ½"

918-10 • 12.5 ½" • 12.5 ½"

920 • 12.5 ½" • 12.5 ½"

986 • ○ • 12.5 ½"
4 • 5 • 6 • 7 • 8 • 9
10 • 12 • 17 • 19 • 22

990 • ○ • 12.5 ½"
M 5 • M 6 • M 8
M 10 • M 12 • M 14
M 16 • M 18

991 • ✪ • 12.5 ½"
M 6 • M 7 • M 8 • M 9
M 10 • M 12 • M 14

992 • ○ • 12.5 ½"
T 20 • T 25 • T 27
T 30 • T 40 • T 45
T 50 • T 55 • T 60

2240 N/51
✪, 6.3 ¼", ✪, ✪, ○, ◓, ○

2250-1 • 6.3 ¼" • 6.3 ¼"

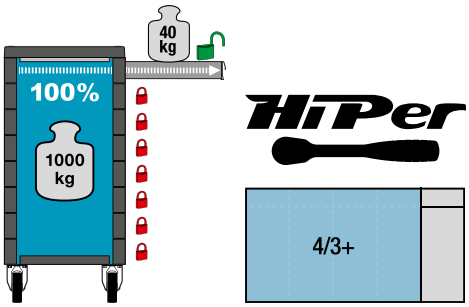
179-35

HAZET No.	L x W x H mm	81x696x398 mm	166x696x398 mm	kg		EAN-No. 4000896+
• 7 flat drawers and 1 high drawer • Complete with 317-piece tool assortment in Safety-Insert-System soft foam insert						
179 N XL-8/317	959x518x1020	7x	1x	125	317	220304
179 N XL-8	959x518x1020	7x	1x	125	–	215218
• **Tool assortment** • In soft foam insert Safety-Insert-System						
0-179 XL/317	–	–	–	–	317	208302

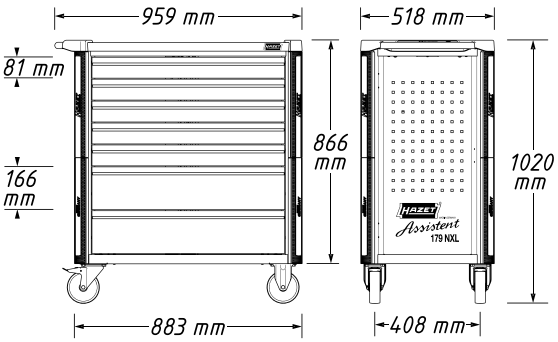
Components and spare parts
from page 482 to 490

179 NXL Tool trolley Assistent®

- VW / AUDI set
- Supplementary tool assortments, see also:
  - Supplementary tool assortment for AUDI 0-2500-163/72
  - Supplementary tool assortment for VW 0-2500-163/73
  - Car body supplementary set 163-381/9



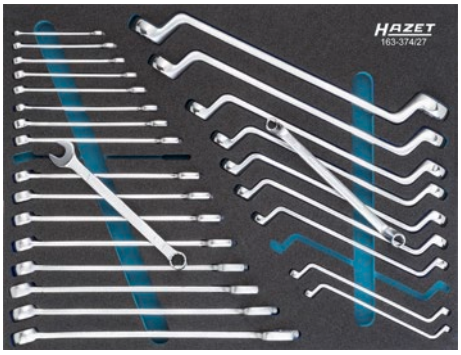
HiPer

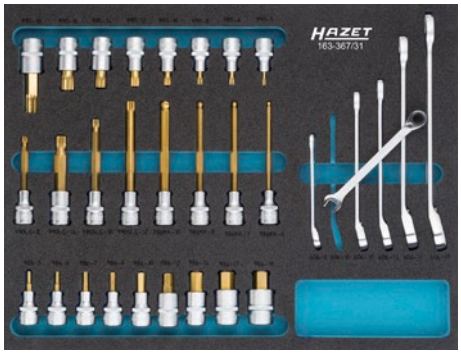


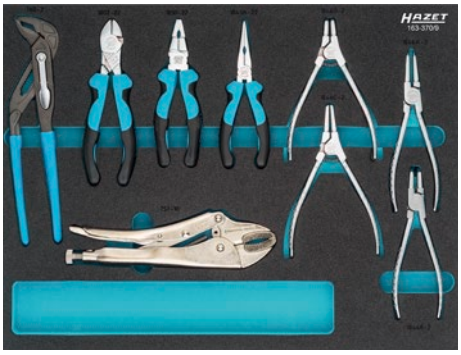


YouTube Clip











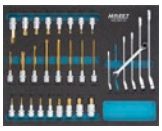




▶

179 NXL Tool trolley Assistent®


179 N XL-8-VW


163-367/31 • ◉, ○, ○
12.5 ½


606 • ◉
8 • 10 • 12 • 13 • 17 • 19


986 • ○ • 12.5 ½
5 • 6 • 7 • 8 • 10
12 • 14 • 17 • 19


986 KK • ○ • 12.5 ½
6 • 7 • 8 • 10


990 • ○ • 12.5 ½
M 5 • M 6 • M 8
M 10 • M 12 • M 14
M 16 • M 18


990 LG • ○ • 12.5 ½
M 8 • M 14


990 SLG • ○ • 12.5 ½
M 10 • M 12


163-369/104
◉, ◉, ○, ○, ○, ○, ○
6.3 ¼, 12.5 ½, 20 ¾


850 • ◉ • 6.3 ¼
4 • 5 • 5.5 • 6
7 • 8 • 9 • 10
11 • 12 • 13 • 14


850 E • ◉ • 6.3 ¼
E 4 • E 5 • E 6 • E 7 • E 8


8501 • ○ • 6.3 ¼
3 • 4 • 5 • 6


8502 • ○ • 6.3 ¼
T 10 • T 15 • T 20
T 25 • T 27


8503 • ○ • 6.3 ¼
1x5.5

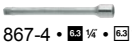

8506 • ○ • 6.3 ¼
PH 1 • PH 2

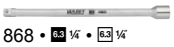

858-1 • 10 ⅜ • 6.3 ¼


863 HP • 6.3 ¼


866 U • 6.3 ¼


867-2 • 6.3 ¼ • 6.3 ¼


867-4 • 6.3 ¼ • 6.3 ¼


868 • 6.3 ¼ • 6.3 ¼


869 • 6.3 ¼ • 6.3 ¼


8858-1 • 12.5 ½ • 10 ⅜
8858-2 • 6.3 ¼ • 10 ⅜


900 • ◉ • 12.5 ½
10 • 11 • 12 • 13 • 14
15 • 16 • 17 • 18 • 19
20 • 21 • 22 • 24 • 27
30 • 32


900 E • ◉ • 12.5 ½
E 10 • E 12 • E 14
E 16 • E 18 • E 20


900 SZ • ◉ • 12.5 ½
32 • 36


900 Z • ◉ • 12.5 ½
8 • 9 • 10 • 12 • 13
14 • 15 • 16 • 17 • 18
19 • 21 • 22 • 24 • 27
30 • 32


903 SLG • ◉ • 12.5 ½
17 • 19


915 • 12.5 ½


916 HP • 12.5 ½


919 • 12.5 ½ • 12.5 ½
919-1 • 919-5 • 919-10


920 • 12.5 ½ • 12.5 ½

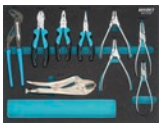

958-1 • 20 ¾ • 12.5 ½
958-2 • 10 ⅜ • 12.5 ½


992 • ○ • 12.5 ½
T 25 • T 27 • T 30 • T 40
T 45 • T 50 • T 55 • T 60


1058-2 • 12.5 ½ • 20 ¾


2223 • ○ • 3.8 ¼
T 6 • T 7 • T 8 • T 9


2250-1 • 6.3 ¼ • 6.3 ¼


163-370/9


757-10


760-2

1802-22

1841 a-22

1846 a-2

1846 b-2

1846 c-2

1846 d-2

1850-22

163-371/7
◉, ◉, 12.5 ½, 20 ¾

600 N • ◉
27 • 30 • 32

650-20

918-23 • 12.5 ½ • 12.5 ½

1014

1015-1 • 20 ¾

163-372/25 • ◉

612 N • ◉
10x11

666-5

730
730-3 • 730-6

746-1

748 B
748 b-3 • 748 b-4
748 b-5 • 748 b-6
748 b-8

824 • ▬
0.5x23

1952-40

1976-2

1977-2/4

2140-40

2147 MS

2152 N/3

2154 N-5

2157-1

4968-2

163-373/39 • ○, ○, ○, ○

801 NK • ○
1x5.5

801 NK-PH • ○
PH 2

802 • ○
0.6x3.5 • 1.2x8
1.6x10 • 2x12

802-PH • ○
PH 3

803-T • ○
T 6 • T 7 • T 8 • T 9
T 10 • T 15 • T 20 • T 25
T 27 • T 30

810 U-1/5 • ○, ○

2105 Lg/9 H • ○

2116 Lg/8 H • ○

163-374/27 • ◉, ◉, ◉

600 N • ◉
6 • 7 • 8 • 9 • 10
11 • 12 • 13 • 14 • 15
16 • 17 • 18 • 19 • 21
22 • 24

630 • ◉
6x7 • 8x9 • 10x11
12x13 • 14x15 • 16x17
18x19 • 21x22 • 24x27
30x32

HAZET No.	L x W x H mm	81 x 696 x 398 mm	166 x 696 x 398 mm	kg		EAN-No. 4000896+
• 7 flat drawers and 1 high drawer • Colour RAL 7012 (basalt grey) • Complete with 243-piece tool assortment in Safety-Insert-System soft foam insert						
179 N XL-8-VW/243	959x518x1020	7x	1x	125	243	220250
179 N XL-8-VW	959x518x1020	7x	1x	125	–	220243
• **Tool assortment** • In soft foam insert Safety-Insert-System						
0-2500-163/242	–	–	–	–	242	196890

Components and spare parts
from page 482 to 490

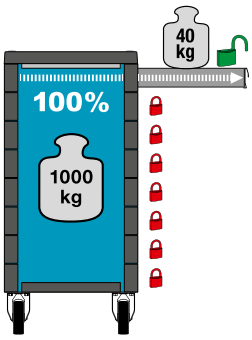
179 NXXL Tool trolley Assistent®

• Tool trolley

Ⓔ

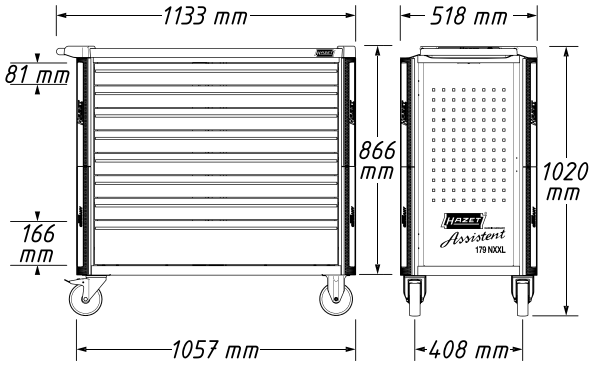
HiPer

5/3+



YouTube Clip



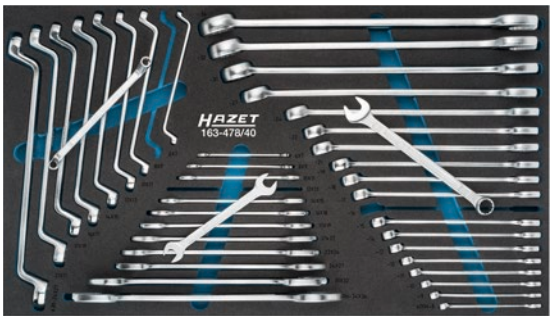














►

179 NXXL Tool trolley Assistent®

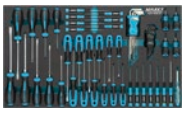

179 N XXL-7


163-478/40 •


450 N •
6x7 • 8x9 • 10x11
12x13 • 14x15 • 16x18
17x19 • 21x22 • 22x24
24x27 • 30x32 • 34x36


600 N •
8 • 9 • 10 • 11 • 12
13 • 14 • 15 • 16 • 17
18 • 19 • 21 • 22 • 24
27 • 30 • 32 • 34


630 •
6x7 • 8x9 • 10x11
12x13 • 14x15 • 16x17
18x19 • 21x22 • 24x27


163-480/57 •


801 NK •
0.6x3.5 • 1x5.5


801 NK-PH •
PH 1 • PH 2


802 •
0.8x4 • 1x5.5 • 1.2x6.5
1.2x8 • 1.6x10


802-PH •
PH 0 • PH 1 • PH 2 • PH 3


805/7 •


808/7 •


810 •
0.5x3 • 0.8x4
1x5.5 • 1.2x6.5

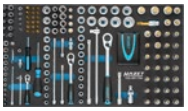

810-PH •
PH 1 • PH 2


810-T •
T 10 • T 15 • T 20
T 25 • T 27 • T 30


839 •
0.5x2.8


2105 Lg/9 H •


2116 Lg/8 H •


163-481/194


810 SPC-6.3 •


850 • •
3 • 4 • 5 • 6
7 • 8 • 9 • 10
11 • 12 • 13 • 14


850 E • •
E 4 • E 5 • E 6 • E 8 • E 10


8501 • •
3 • 4 • 5 • 6 • 8


8502 • •
T 15 • T 20 • T 25
T 27 • T 30 • T 40


8503 • •
0.6x3.5 • 1x5.5 • 1.2x8


8506 • •
PH 1 • PH 2


8507 • •
PZ 1 • PZ 2


850 LG • •
4 • 5 • 6 • 7 • 8
9 • 10 • 11 • 12 • 13

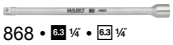

858-1 • •


863 HP •


865 •


866 U •


867-2 • •


868 • •


869 • •


880 • •
10 • 11 • 12 • 13
14 • 15 • 16 • 17
18 • 19 • 21 • 22


8801 K • •
5 • 6 • 8 • 10


880 LG • •
12 • 13 • 14 • 15
16 • 17 • 18 • 19


8816 HP •


8820 • •

8821 • •
8821-3 • 8821-6 • 8821-10

900 • •
10 • 11 • 12 • 13 • 14
15 • 16 • 17 • 18 • 19
20 • 21 • 22 • 23 • 24
26 • 27 • 28 • 30 • 32

915 •

916 HP •

917-5 • •

918-10 • •

920 • •

986 • •
4 • 5 • 6 • 7 • 8 • 9
10 • 12 • 17 • 19 • 22

990 • •
M 5 • M 6 • M 8
M 10 • M 12 • M 14
M 16 • M 18

991 • •
M 6 • M 7 • M 8 • M 9
M 10 • M 12 • M 14

992 • •
T 20 • T 25 • T 27
T 30 • T 40 • T 45
T 50 • T 55 • T 60

2240 N/51

2250-1 • •

606 •
163-509/12

606 •
8 • 9 • 10 • 11
12 • 13 • 14 • 15
16 • 17 • 18 • 19

163-510/8

730
730-3 • 730-6

751 HS/5

2140-50

163-511/4

760-2

1802 M-22

1841 M b-33

1850 M-22

2128 N-1

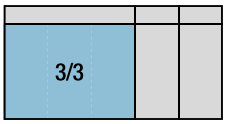
HAZET No.	L x W x H mm	81x870x398 mm	166x870x398 mm	kg		EAN-No. 4000896+
• 5 flat and 2 high drawers • Complete with 340-piece tool assortment in Safety-Insert-System soft foam insert						
179 N XXL-7/340	1133x518x1020	5x	2x	145	340	215072
179 N XXL-7	1133x518x1020	5x	2x	145	–	214624
• **Tool assortment** • In soft foam insert Safety-Insert-System						
0-179 N XXL/340	–	–	–	–	340	214754

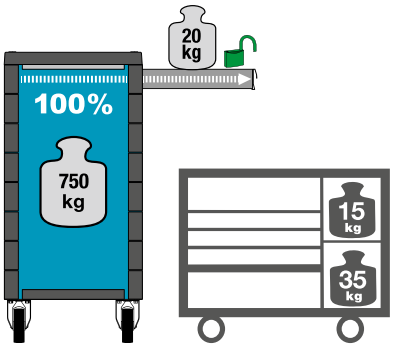
Components and spare parts
from page 482 to 490

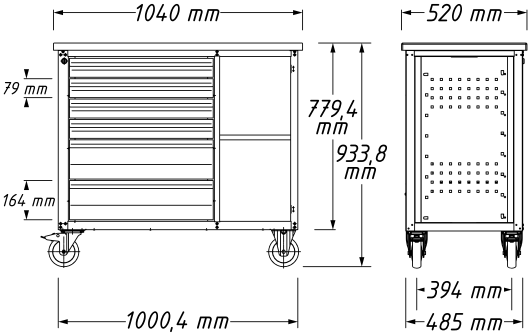
Work Benches Assistent® with Assortment

177 W Mobile work bench · with assortment

HiPer



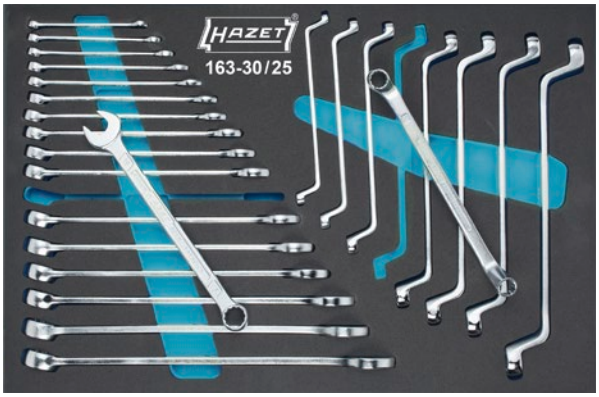














▶

Components and spare parts
from page 482 to 490

177 W Mobile work bench · with assortment


177 W-7


163-30/25 • ●, ◙

600 N • ◙
6 • 7 • 8 • 9 • 10
11 • 12 • 13 • 14 • 15
16 • 17 • 18 • 19 • 21
22 • 24

630 • ●
6x7 • 8x9 • 10x11
12x13 • 14x15 • 16x17
18x19 • 21x22


163-31/27 • ✪, ⬬, ○


730
730-3 • 730-6

746-1

748 B
748 b-3 • 748 b-4
748 b-5 • 748 b-6


760-2


801 NK • ⬬
1x5.5


801 NK-PH • ✪
PH 2


803 • ⬬
0.4x2.5 • 0.5x3 • 0.6x3.5
0.8x4 • 1.2x6.5 • 1.2x8


803-PH • ✪
PH 1 • PH 2


803-T • ○
T 10 • T 15 • T 20
T 25 • T 30


1802 M-22


1841 M b-33


1850 M-22


2140-50


163-57/56 • ○, ⬬, ✪, ✪, ◙
½, ¼


850 • ◙ • ¼
4 • 5 • 5.5 • 6
7 • 8 • 9 • 10
11 • 12 • 13 • 14


8501 • ○ • ¼
3 • 4 • 5 • 6 • 8


8503 • ⬬ • ¼
0.6x3.5 • 1x5.5 • 1.2x8


8506 • ✪ • ¼
PH 1 • PH 2

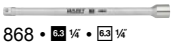

8507 • ✪ • ¼
PZ 1 • PZ 2


863 HP • ¼


865 • ¼


866 U • ¼


867-2 • ¼ • ¼


868 • ¼ • ¼


869 • ¼ • ¼


900 • ◙ • ½
10 • 11 • 12 • 13 • 14 • 15
16 • 17 • 18 • 19 • 20 • 21
22 • 23 • 24 • 26 • 27 • 28
30 • 32 • 34


915 • ½


916 HP • ½


917-5 • ½ • ½


918-10 • ½ • ½


920 • ½ • ½


2128 N-1


2240 N/36
✪, ¼, ✪, ✪, ○, ⬬, ○

2204 • ○ • ¼
3 • 4 • 5 • 6

2208 • ⬬ • ¼
0.6x4.5 • 0.8x5.5 • 1x6

2215 • ✪ • ¼
PH 1 • PH 2 • PH 3

2216 • ✪ • ¼
PZ 1 • PZ 2 • PZ 3

2223 • ○ • ¼
T 10 • T 15 • T 20 • T 25
T 27 • T 30 • T 40

2223 • ✪ • ¼
T 20 H • T 30 H

2239-6 • ¼ • ¼

HAZET No.	L x W x H mm	79x527x348 mm	164x527x348 mm		kg		EAN-No. 4000896+
• 6 x flat drawers and 1 x high drawer as well as 2 compartments in the side section • Complete with 169-piece tool assortment in Safety-Insert-System soft foam insert							
177 W-7/169	1040x520x934	6x	1x	7x	85	169	157310
177 W-7	1040x520x934	6x	1x	7x	85	–	155644
• **Tool assortment** • In soft foam insert Safety-Insert-System							
0-178/169	–	–	–	–	–	169	162208

Components and spare parts
from page 482 to 490

179 NW Mobile work bench

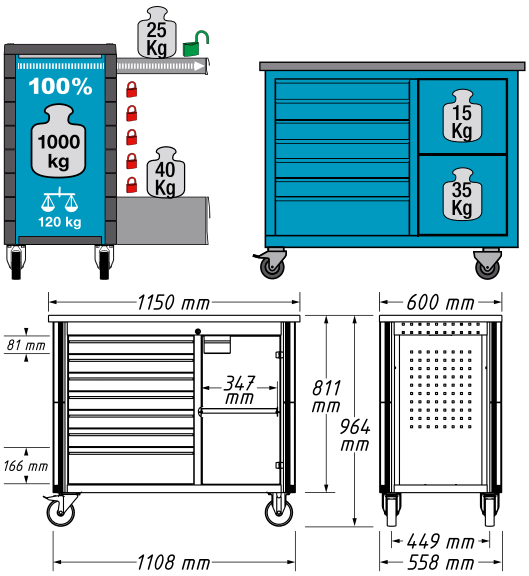
• More storage space than preceding model

Ⓔ

HiPer

3/3+

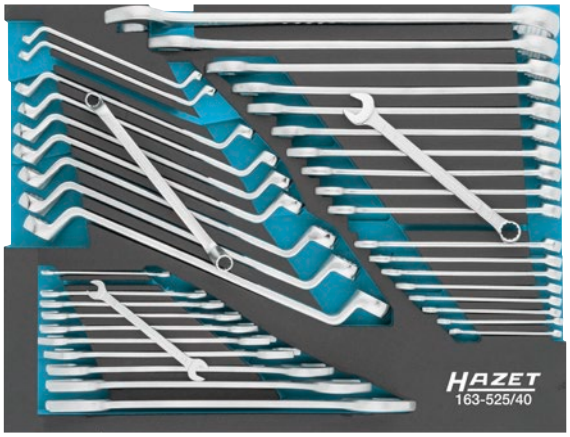
YouTube Clip













►

179 NW Mobile work bench


179 N W-7


163-372/25 •


612 N •
10x11


666-5


730
730-3 • 730-6


746-1

748 B
748 b-3 • 748 b-4
748 b-5 • 748 b-6
748 b-8


824 •
0.5x23


1952-40


1976-2


1977-2/4


2140-40


2147 MS


2152 N/3


2154 N-5


2157-1

4968-2


163-513/122


810 SPC-6.3 •


850 • • 6.3 ¼"
5.5 • 6 • 7 • 8 • 9
10 • 11 • 12 • 13


850 E • • 6.3 ¼"
E 5 • E 6 • E 7 • E 8 • E 10


863 HP • 6.3 ¼"


867-2 • 6.3 ¼" • 6.3 ¼"

868 • 6.3 ¼" • 6.3 ¼"


869 • 6.3 ¼" • 6.3 ¼"


880 • • 10 ⅜"
10 • 11 • 12 • 13
14 • 15 • 16 • 17
18 • 19 • 21 • 22


8816 HP • 10 ⅜"


8820 • 10 ⅜" • 10 ⅜"


8821 • 10 ⅜" • 10 ⅜"
8821-3 • 8821-6 • 8821-10


8858-2 • 6.3 ¼" • 10 ⅜"


900 • • 12.5 ½"
10 • 11 • 12 • 13 • 14
15 • 16 • 17 • 18 • 19
20 • 21 • 22 • 23 • 24
26 • 27 • 28 • 30 • 32


900 E • • 12.5 ½"
E 10 • E 12 • E 14
E 16 • E 18 • E 20


915 • 12.5 ½"

916 HP • 12.5 ½"

917-5 • 12.5 ½" • 12.5 ½"

918-10 • 12.5 ½" • 12.5 ½"


920 • 12.5 ½" • 12.5 ½"


958-2 • 10 ⅜" • 12.5 ½"


1058-2 • 12.5 ½" • 20 ¾"


2240 N/51
, 6.3 ¼", , , O, ,

2250-1 • ¼" • 6.3 ¼"

163-525/40 • ,

450 N •
6x7 • 8x9 • 10x11
12x13 • 14x15 • 16x17
18x19 • 21x22 • 24x27
30x32 • 34x36

600 N •
6 • 7 • 8 • 9 • 10
11 • 12 • 13 • 14 • 15
16 • 17 • 18 • 19 • 21
22 • 24 • 27 • 32

630 •
6x7 • 8x9 • 10x11
12x13 • 14x15 • 16x17
18x19 • 20x22 • 21x23
24x27

163-526/41 • , , , O

801 NK •
0.6x3.5 • 1x5.5

801 NK-PH •
PH 1 • PH 2

810 •
0.4x2.5 • 0.5x3 • 0.8x4
1x5.5 • 1.2x6.5

810-PH •
PH 0 • PH 1 • PH 2

810-T •
T 10 • T 15 • T 20
T 25 • T 27 • T 30

810 U •
0.8x4.5 • 1x5.5 • 1.2x7

810 U-PH •
PH 1 • PH 2 • PH 3

2105 Lg/9 H • O

2116 Lg/8 H •

HAZET No.	L x W x H mm	81x522x398 mm	166x522x398 mm	kg		EAN-No. 4000896+
• 6x flat drawers and 1x high heavy-duty drawer • Lockable storage compartment with 2 storage surfaces • Complete with 230-piece tool assortment in Safety-Insert-System soft foam insert						
179 N W-7/230	1150x600x964	6x	1x	120	230	219605
179 N W-7	1150x600x964	6x	1x	120	–	219629
• **Tool assortment** • In soft foam insert Safety-Insert-System						
0-179 N W/230	–	–	–	–	230	219292

Components and spare parts
from page 482 to 490

Tool Cases

190 Metal tool box · with assortment

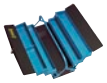
- Tool box 190 L, complete with assortment and padlock
- 1 spacious bottom compartment, 4 side compartments which can be folded out
- Lockable with padlock (included)
- Sturdy and blue/black design
- Stove-enamelled in HAZET blue / black



HiPer







190 L

450 N • ◉
6x7 • 8x9 • 10x11
12x13 • 14x15 • 16x17
18x19 • 21x22 • 24x27
30x32



630 • ◉
6x7 • 8x9 • 10x11
12x13 • 14x15 • 16x17
18x19 • 21x22 • 24x27
30x32 • 36x41

650-20

730
730-3 • 730-6

740-3

745 A
745 a-2 • 745 a-4

746-2



760 N
760 N-1 • 760 N-2

803 • ⬬
0.4x2.5 • 0.5x3 • 0.6x3.5
0.8x4 • 1x5.5 • 1.2x8



803-PH • ✪
PH 1 • PH 2 • PH 3



803-PZ • ✪
PZ 1 • PZ 2



824 • ▬
0.5x23



900 • ⬣ • 12 ½
10 • 11 • 12 • 13 • 14
15 • 16 • 17 • 18 • 19
21 • 22 • 24 • 26 • 27
28 • 30 • 32

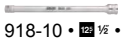


915 • 12 ½



916 HP • 12 ½

917-5 • 12 ½ • 12 ½



918-10 • 12 ½ • 12 ½



920 • 12 ½ • 12 ½



986 • ○ • 12 ½
5 • 6 • 8 • 10



1802 M-22



1841 M a-33



1952-35



2100/6 H • ○



2140-50



2154 N-3

HAZET No.	L x W x H mm		EAN-No. 4000896+
190/80	575x210x245	80	048922

1520 Leather tool case

- Sturdy micro-leather with super-soft, water-repellent surface
- HAZET logo – embossed in high quality



1520 Leather tool case

HiPer



600 N • ⬣
8 • 10 • 11 • 12
13 • 15 • 17 • 19



760-2

839 • ⬬
0.5x2.8



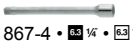
850 • ⬣ • 6.3 ¼
5.5 • 7 • 8 • 10
11 • 12 • 13



863 HP • 6.3 ¼



866 U • 6.3 ¼



867-4 • 6.3 ¼ • 6.3 ¼



1803 M-11

1965-21



1979 N-71



1987 N-4

2140-20

2240 N/36
✪, 6.3 ¼, ✪, ✪, ○, ⬬, ✪

2250-1 • ⬣ ¼ • 6.3 ¼

4850-1

HAZET No.	L x W x H mm		EAN-No. 4000896+
1520/64	275x310x65	64	214556

1520 Tool case

- "Slim-Line" – only 105 mm high
- For universal applications, e.g. for hobby, house and garden
- Clear and reliable tool arrangement
- Inserts with clamping effect – tools cannot fall down
- Covered compartment for small parts

HiPer

450 N • ◉
6x7 • 8x9 • 10x11
12x13 • 14x15 • 16x17
18x19 • 21x22

760-2

802 • ⬬
0.8x4 • 1x5.5 • 1.2x6.5

802-PH • ✪
PH 1 • PH 2

802-PZ • ✪
PZ 2

839 • ⬬
0.5x2.8

880 • ⬣ • 10 ⅜
8 • 10 • 11 • 12 • 13
14 • 15 • 16 • 17 • 18
19 • 20 • 21 • 22

8816 HP • 10 ⅜

8821 • 10 ⅜ • 10 ⅜
8821-3 • 8821-6

1803-22

1979 N-71

1981

2100 • ○
2 • 2.5 • 3 • 4 • 5 • 6 • 7 • 8

2115/8 KH • ✪

2140-50

2154-2

2157

2158

HAZET No.	L x W x H mm		EAN-No. 4000896+
1520/56	445x360x105	56	111183

Components and spare parts from page 482 to 490

190 L Metal tool box · empty

- 1 spacious bottom compartment, 4 side compartments which can be folded out
- Lockable with padlock (included)
- Sturdy and blue/black design
- Stove-enamelled in HAZET blue / black







360°

HAZET No.	L x W x H mm	EAN-No. 4000896+
190 L	575x210x245	007462

190 L Plastic tool box

Made in Germany

Mobile workplace

- For professionals and demanding hobbyists
- Very sturdy design
- Compact dimensions with highest possible storage capacity
- Safe carrying due to tough aluminium handle
- Sturdy aluminium latches
- Two folding-down trays
- Plastic, HAZET blue / black



360°



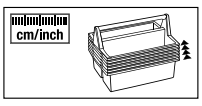
HAZET No.	L x W x H mm	EAN-No. 4000896+
• Two removable boxes for small parts in the inside of the lid		
190 L-2	470x250x215	150533
• Three removable boxes for small parts in the inside of the lid		
190 L-3	550x250x270	133987

190 L Plastic tote tray

Made in Germany

- Open and practical
- Metre/inch scale at the top
- Also for transporting liquids and cans
- Rugged **aluminium handle**
- Solvent-resistant plastic, HAZET blue
- Stackable







HAZET No.	L x W x H mm	EAN-No. 4000896+
190 L-1	396x294x215	133901

165 Tool box for Safety-Insert-System

Made in Germany

- **Modern two-coloured design HAZET blue / black**

- Pull-out kickstand for fast and ergonomic tool access
- Cover may be used as a storage space for the tools or for small parts
- Sturdy ABS plastic – lighter than sheet metal box









HAZET No.	L x W x H mm	EAN-No. 4000896+
• Suitable for all 1/9 Safety-Insert-System 2-component soft foam inserts from the HAZET range		
165-S	185x153x52	167784
• Suitable for all 1/3 Safety-Insert-System 2-component soft foam inserts from the HAZET range • Carrying handle		
165-L	355x235x65	167777

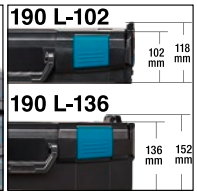
190 L L-Boxx

- **Patented click system connects the L-Boxx to other L-Boxxes easily and reliably**

- Extremely robust due to impact and shock resistant ABS plastic
- Cover loading capacity: up to 100 kg
- Loading capacity of the carrying handles (loading content): 25 Kg
- Ergonomic transport handles on head and side panels
- With labeling fields
- Dirt repellent and easy to clean









HAZET No.	L x W x H mm	l mm	kg	EAN-No. 4000896+
• Internal dimensions (L x W x H): 378 x 313 x 65 mm • Volume: 8.8 l				
190 L-102	445x358x118	445	2.1	237609
• Internal dimensions (L x W x H): 378 x 310 x 101 mm • Volume: 13.3 l				
190 L-136	445x358x152	445	2.2	237616

Components and spare parts from page 482 to 490

Tool Assortments

0-7 Tool assortment

- **Mechanic's basic assortment for car repairs**
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent



163-57/56



4 • 5 • 5.5 • 6
7 • 8 • 9 • 10
11 • 12 • 13 • 14



3 • 4 • 5 • 6 • 8



0.6x3.5 • 1x5.5 • 1.2x8



PH 1 • PH 2



PZ 1 • PZ 2



863 HP



865



866 U



867-2

868



869



10 • 11 • 12 • 13 • 14 • 15
16 • 17 • 18 • 19 • 20 • 21
22 • 23 • 24 • 26 • 27 • 28
30 • 32 • 34



915

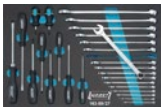
916 HP

917-5

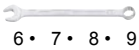
918-10



920



163-58/27



6 • 7 • 8 • 9 • 10
11 • 12 • 13 • 14 • 15
16 • 17 • 18 • 19 • 21
22 • 24



0.4x2.5 • 0.5x3 • 0.6x3.5
0.8x4 • 1.2x6.5 • 1.2x8



PH 1 • PH 2



1x5.5



PH 2



163-59/12



6x7 • 8x9 • 10x11
12x13 • 14x15 • 16x17
18x19 • 20x22 • 21x23



760-2



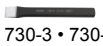
1802-22



1841 a-22



163-60/22



730-3 • 730-6



746-1

748 b-3 • 748 b-4
748 b-5 • 748 b-6



0.5x23



1952-35



1976



2105 Lg/9 H



2140-50



2147 MS



2154-2

HAZET No.		EAN-No. 4000896+
0-7/117	117	120116

0-20 Tool assortment · with protective insulation

- **Tool assortment for electricians**
- IEC 60900:2018

1000 V

810 VDE • ⊖
0.4x2.5 • 0.6x3.5 • 0.8x4

810 VDE-PH • ⊕
PH 1 • PH 2

839 • ⊖
0.5x2.8

1803 VDE-33

1816 VDE-22

1826 VDE-22

1841 a VDE-22

1841 b VDE-33

1850 VDE-22

1862 N

2154 N-3







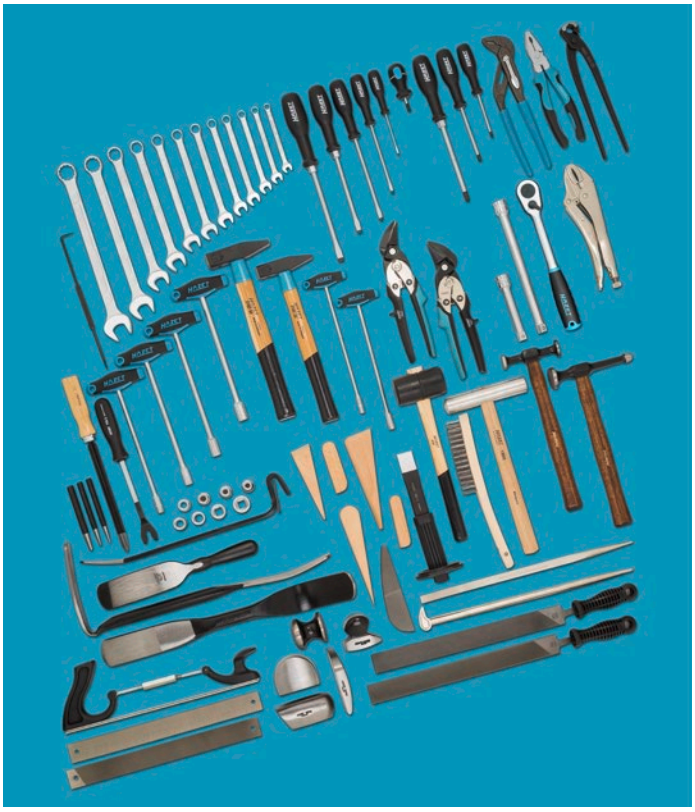
HAZET No.		EAN-No. 4000896+
0-20/14	14	192526

Components and spare parts
from page 482 to 490

0-1900 Tool assortment

Assortment for car body work
• For tool trolleys *Assistent*

HiPer



428 •
6 • 7 • 8 • 10 • 11 • 13

600 N •
8 • 9 • 10 • 11
12 • 13 • 14 • 15
17 • 19 • 22 • 24

745-3

745 a-6

746-1

757-10

760-2

799-3

801 NK •
1x5.5

803 •
0.4x2.5 • 1x5.5 • 1.2x6.5
1.2x8 • 1.6x10

803-PH •
PH 1 • PH 2 • PH 3

821-2

900 • • ½
10 • 11 • 12 • 13
15 • 17 • 19 • 22

916 HP • ½

917-5 • ½ • ½

918-10 • ½ • ½

1810-250

1851-44

1917 N

1919 N

1920 N

1921

1922

1923

1927

1929-1

1930

1931

1934

1934-1

1934-4

1934
1934-9 • 1934-10

1937 K

1940

1944-1950
1950

1960-5

1961 L-2

1961 R-2

1965/5

2130

2140
2140-30 • 2140-50

2143

2150

2165
2165-1 • 2165-2

HAZET No.		EAN-No. 4000896+
0-1900/77	77	000241



Components and spare parts
from page 482 to 490

Tool Modules

163 Double open-end wrench set

Made in Germany



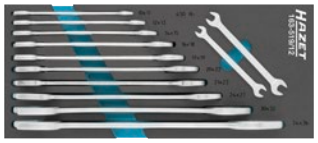
1/3

450 N •
6x7 • 8x9 • 10x11 • 12x13
14x15 • 16x17 • 18x19 • 21x22

HAZET No.	L x W mm		EAN-No. 4000896+
163-95/8	342x172	8	145669

Made in Germany

Suitable for HAZET *Assistent*® with a drawer depth of 398 mm:
173 · 179 · 179 N · 179 W · 179 N W · 179 BIG-1 · 179 XL · 179 N XL · 179 XXL · 179 N XXL · 179 A XXL · 179 T XXL · 180



1/3 +

450 N •
6x7 • 8x9 • 10x11 • 12x13 • 14x15 • 16x18
17x19 • 20x22 • 21x23 • 24x27 • 30x32 • 34x36

HAZET No.	L x W mm		EAN-No. 4000896+
163-519/12	392x172	12	218684

163 Combination wrench set

Made in Germany



1/3

600 N •
10 • 11 • 13 • 14 • 15 • 17 • 19 • 22

HAZET No.	L x W mm		EAN-No. 4000896+
163-292/8	342x172	8	186372

Made in Germany



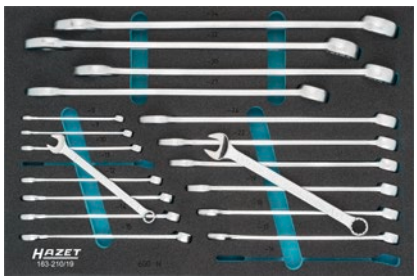
2/3

163 Combination wrench set

600 N •
6 • 7 • 8 • 9 • 10 • 11
12 • 13 • 14 • 15 • 16 • 17
18 • 19 • 21 • 22 • 24

HAZET No.	L x W mm		EAN-No. 4000896+
163-98/17	344x342	17	145690

Made in Germany

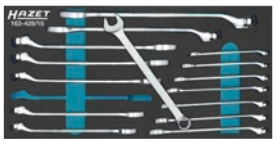


3/3

600 N •
8 • 9 • 10 • 11 • 12 • 13 • 14
15 • 16 • 17 • 18 • 19 • 21 • 22
24 • 27 • 30 • 32 • 34

HAZET No.	L x W mm		EAN-No. 4000896+
163-210/19	519x342	19	164714

Made in Germany



1/3

603
6 • 7 • 8 • 9
10 • 11 • 12 • 13 • 14 • 15
16 • 17 • 18 • 19 • 22

HAZET No.	L x W mm		EAN-No. 4000896+
163-428/15	342x172	15	202560

Made in Germany



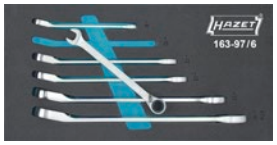
2/3

603
6 • 7 • 8 • 9
10 • 11 • 12 • 13 • 14 • 15 • 16
17 • 18 • 19 • 21 • 22 • 24 • 27

HAZET No.	L x W mm		EAN-No. 4000896+
163-99/18	344x342	18	145706

Components and spare parts
from page 482 to 490

163 Ratcheting combination wrench set



1/3

606 •
8 • 10 • 12 • 13 • 17 • 19

HAZET No.	L x W mm		EAN-No. 4000896+
163-97/6	342x172	6	145683

Suitable for HAZET *Assistent* with a drawer depth of 398 mm:
173 · 179 · 179 N · 179 W · 179 N W · 179 BIG-1 · 179 XL ·
179 N XL · 179 XXL · 179 N XXL · 179 A XXL · 179 T XXL · 180



1/3 +

606 •
8 • 9 • 10 • 11 • 12 • 13
14 • 15 • 16 • 17 • 18 • 19

HAZET No.	L x W mm		EAN-No. 4000896+
163-509/12	392x172	12	214969

Suitable for HAZET *Assistent* with a drawer depth of 398 mm:
173 · 179 · 179 N · 179 W · 179 N W · 179 BIG-1 · 179 XL ·
179 N XL · 179 XXL · 179 N XXL · 179 A XXL · 179 T XXL · 180



1/3 +

606 •
8 • 9 • 10 • 11 • 12 • 13
14 • 15 • 16 • 17 • 18 • 19

606/4 SPC

HAZET No.	L x W mm		EAN-No. 4000896+
163-515/16	392x172	16	218721



3/3

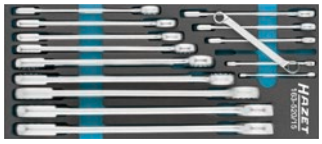
606 •
8 • 9 • 10 • 11 • 12
13 • 14 • 15 • 16 • 17
18 • 19 • 21 • 22 • 24
27 • 30 • 32

HAZET No.	L x W mm		EAN-No. 4000896+
163-366/18	519x342	18	196920

163 Double box-end wrench set

Made in Germany

Suitable for HAZET *Assistent* with a drawer depth of 398 mm:
173 · 179 · 179 N · 179 W · 179 N W · 179 BIG-1 · 179 XL · 179 N XL ·
179 XXL · 179 N XXL · 179 A XXL · 179 T XXL · 180



1/3 +

610 N •
6x7 • 8x9 • 10x11 • 12x13
14x15 • 16x17 • 18x19 • 20x22
21x22 • 21x23 • 24x26 • 25x28
27x32 • 30x32 • 30x34

HAZET No.	L x W mm		EAN-No. 4000896+
163-520/15	392x172	15	218677

Made in Germany

Suitable for HAZET *Assistent* with a drawer depth of 398 mm:
173 · 179 · 179 N · 179 W · 179 N W · 179 BIG-1 · 179 XL · 179 N XL ·
179 XXL · 179 N XXL · 179 A XXL · 179 T XXL · 180



1/3 +

630 •
6x7 • 8x9 • 10x11
12x13 • 14x15 • 16x17
18x19 • 20x22 • 21x23

HAZET No.	L x W mm		EAN-No. 4000896+
163-518/9	392x172	9	218707

163 Wrench / socket set

Made in Germany



2/3

450 N •
8x9 • 10x11 • 12x13
14x15 • 16x18 • 17x19
20x22 • 21x22 • 24x27
30x32 • 34x36

1010 • • 3/4"
14 • 17 • 19 • 22

1012 • • 3/4"
T 60 • T 80 • T 100

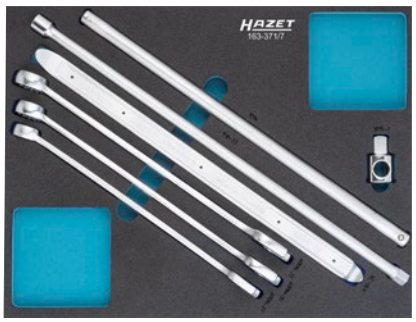
1058-1 • 1" • 3/4"
1058-2 • 1/2" • 3/4"

HAZET No.	L x W mm		EAN-No. 4000896+
163-211/20	344x342	20	164707

163 Tool set

Made in Germany

Suitable for HAZET *Assistent* with a drawer depth of 398 mm:
173 · 179 · 179 N · 179 W · 179 N W · 179 BIG-1 · 179 XL · 179 N XL · 179 XXL · 179 N XXL · 179 A XXL · 179 T XXL · 180



3/3+

600 N • 27 • 30 • 32

918-23 • 12.5 ½ • 12.5 ½

1015-1 • 20 ¾

650-20

1014

HAZET No.	L x W mm		EAN-No. 4000896+
163-371/7	519x392	7	196777

163 Wrench set

Made in Germany

Suitable for HAZET *Assistent* with a drawer depth of 398 mm:
173 · 179 · 179 N · 179 W · 179 N W · 179 BIG-1 · 179 XL · 179 N XL · 179 XXL · 179 N XXL · 179 A XXL · 179 T XXL · 180



3/3+

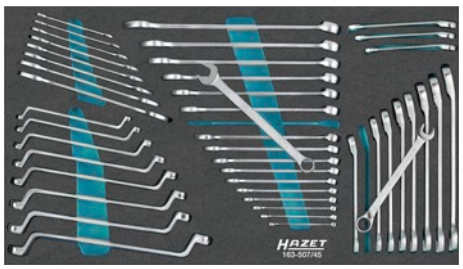
450 N • 6x7 • 8x9 • 10x11 12x13 • 14x15 • 16x17 18x19 • 21x22

600 N • 6 • 7 • 8 • 9 10 • 11 • 12 • 13 14 • 15 • 16 • 17 18 • 19 • 21 • 22 24

630 • 6x7 • 8x9 • 10x11 12x13 • 14x15 • 16x17 18x19 • 21x22

HAZET No.	L x W mm		EAN-No. 4000896+
163-140/33	519x392	33	151899

Suitable for HAZET *Assistent* with drawer dimension of at least 398x694 mm:
179 XL · 179 N XL · 179 XXL · 179 N XXL
as well as 179 A XXL · 179 T XXL in the upper drawer



4/3+

►

163 Wrench set

◄

450 N • 6x7 • 8x9 10x11 • 12x13 14x15 • 16x17 18x19 • 21x22

600 N • 6 • 7 • 8 • 9 10 • 11 • 12 • 13 14 • 15 • 16 • 17 18 • 19 • 21 • 22 24

606 • 8 • 9 • 10 • 11 12 • 13 • 14 • 15 16 • 17 • 18 • 19

630 • 6x7 • 8x9 10x11 • 12x13 14x15 • 16x17 18x19 • 21x22

HAZET No.	L x W mm		EAN-No. 4000896+
163-507/45	691x392	45	214938

Made in Germany

Suitable for HAZET *Assistent* with drawer dimension of at least 398x694 mm:
179 XL · 179 N XL · 179 XXL · 179 N XXL
as well as 179 A XXL · 179 T XXL in the upper drawer



4/3+

450 N • 6x7 • 8x9 • 10x11 12x13 • 14x15 • 16x18 17x19 • 21x22 • 22x24 24x27 • 30x32 • 34x36

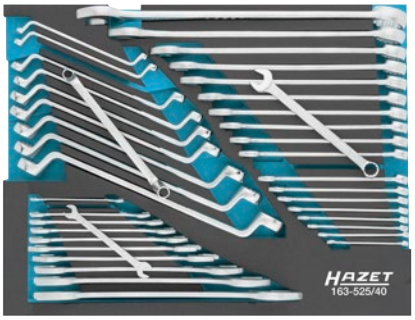
600 N • 8 • 9 • 10 • 11 • 12 13 • 14 • 15 • 16 • 17 18 • 19 • 21 • 22 • 24 27 • 30 • 32 • 34

630 • 6x7 • 8x9 • 10x11 12x13 • 14x15 • 16x17 18x19 • 21x22 • 24x27

HAZET No.	L x W mm		EAN-No. 4000896+
163-478/40	691x392	40	207831

Made in Germany

Suitable for HAZET *Assistent* with a drawer depth of 398 mm:
173 · 179 · 179 N · 179 W · 179 N W · 179 BIG-1 · 179 XL · 179 N XL · 179 XXL · 179 N XXL · 179 A XXL · 179 T XXL · 180



3/3+

450 N • 6x7 • 8x9 • 10x11 12x13 • 14x15 • 16x17 18x19 • 21x22 • 24x27 30x32 • 34x36

600 N • 6 • 7 • 8 • 9 • 10 11 • 12 • 13 • 14 • 15 16 • 17 • 18 • 19 • 21 22 • 24 • 27 • 32

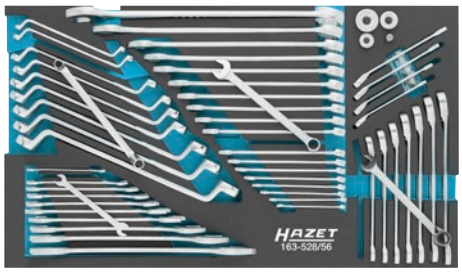
630 • 6x7 • 8x9 • 10x11 12x13 • 14x15 • 16x17 18x19 • 20x22 • 21x23 24x27

HAZET No.	L x W mm		EAN-No. 4000896+
163-525/40	519x392	40	218639

Components and spare parts from page 482 to 490

163 Wrench set

Suitable for HAZET *Assistent*® with drawer dimension of at least 398 x 694 mm:
179 XL · 179 N XL · 179 XXL · 179 N XXL
as well as 179 A XXL · 179 T XXL in the upper drawer



4/3+

450 N •
6 x 7 • 8 x 9 • 10 x 11
12 x 13 • 14 x 15 • 16 x 17
18 x 19 • 21 x 22 • 24 x 27
30 x 32 • 34 x 36

600 N •
6 • 7 • 8 • 9 • 10
11 • 12 • 13 • 14 • 15
16 • 17 • 18 • 19 • 21
22 • 24 • 27 • 32

606 •
8 • 9 • 10 • 11
12 • 13 • 14 • 15
16 • 17 • 18 • 19

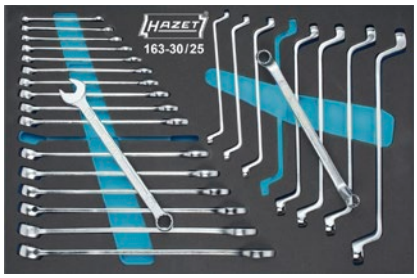
606/4 SPC

630 •
6 x 7 • 8 x 9 • 10 x 11
12 x 13 • 14 x 15 • 16 x 17
18 x 19 • 20 x 22 • 21 x 23
24 x 27

HAZET No.	L x W mm		EAN-No. 4000896+
163-528/56	691 x 392	56	218622

163 Combination wrench / double box-end wrench set

Made in Germany



3/3

600 N •
6 • 7 • 8 • 9 • 10 • 11 • 12 • 13 • 14
15 • 16 • 17 • 18 • 19 • 21 • 22 • 24

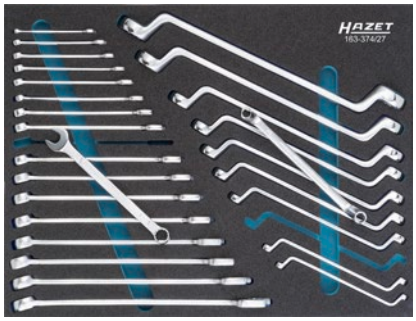
630 •
6 x 7 • 8 x 9 • 10 x 11 • 12 x 13
14 x 15 • 16 x 17 • 18 x 19 • 21 x 22

HAZET No.	L x W mm		EAN-No. 4000896+
163-30/25	519 x 342	25	118601

163 Wrench set

Made in Germany

Suitable for HAZET *Assistent*® with a drawer depth of 398 mm:
173 · 179 · 179 N · 179 W · 179 N W · 179 BIG-1 · 179 XL · 179 N XL · 179 XXL · 179 N XXL · 179 A XXL · 179 T XXL · 180



3/3+

►

163 Wrench set

◄

600 N •
6 • 7 • 8 • 9 • 10 • 11 • 12 • 13 • 14
15 • 16 • 17 • 18 • 19 • 21 • 22 • 24

630 •
6 x 7 • 8 x 9 • 10 x 11 • 12 x 13
14 x 15 • 16 x 17 • 18 x 19 • 21 x 22
24 x 27 • 30 x 32

HAZET No.	L x W mm		EAN-No. 4000896+
163-374/27	519 x 392	27	196753

163 Socket set

Made in Germany



1/3

880 TZ • •
9 • 10 • 11 • 12 • 13
14 • 15 • 16 • 17 • 18
19 • 20 • 21 • 22

HAZET No.	L x W mm		EAN-No. 4000896+
163-259/14	342 x 172	14	179558

163 Socket set

Made in Germany

HiPer



1/3

880 • •
6 • 7 • 8 • 9 • 10
11 • 12 • 13 • 14 • 15
16 • 17 • 18 • 19 • 20
21 • 22

8801 K • •
5 • 6 • 8 • 10

880 LG • •
12 • 13 • 14 • 15
16 • 17 • 18 • 19

8816 HP •

8820 • •

8821 • •
8821-3 • 8821-6

HAZET No.	L x W mm		EAN-No. 4000896+
163-483/33	342 x 172	33	207770

Made in Germany

Suitable for HAZET *Assistent*® with a drawer depth of 398 mm:
173 · 179 · 179 N · 179 W · 179 N W · 179 BIG-1 · 179 XL · 179 N XL · 179 XXL · 179 N XXL · 179 A XXL · 179 T XXL · 180

HiPer



1/3+

►

Components and spare parts from page 482 to 490

163 Socket set

◄

E · R · R · 10 3/8″


880 • ◎ • 10 3/8
10 • 11 • 12 • 13
14 • 15 • 16 • 17
18 • 19 • 21 • 22


880 Z • ◎ • 10 3/8
10 • 11 • 12 • 13 • 14
15 • 16 • 17 • 18 • 19


8821-6 • 10 3/8 • 10 3/8


8816 HP • 10 3/8


8822-1 • 10 3/8 • 10 3/8


880 G • ◎ • 10 3/8
10 • 11 • 12 • 13 • 14
15 • 16 • 17 • 18 • 19


8820 • 10 3/8 • 10 3/8


8822-3 • 10 3/8 • 10 3/8

8822-10 • 10 3/8 • 10 3/8

HAZET No.	L x W mm		EAN-No. 4000896+
163-379/38	392x172	38	196791

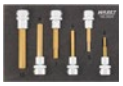
163 Screwdriver socket set

Made in Germany

TiN · E · ○ · 10 3/8″

1/9

8801 • ○ • 10 3/8
4 • 5 • 6 • 7 • 8 • 10



HAZET No.	L x W mm		EAN-No. 4000896+
163-302/6	172x114	6	190348

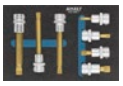
Made in Germany

TiN · E · ○ · 10 3/8″

1/9


8808 • ○ • 10 3/8
M 5 • M 6 • M 8 • M 10


8808 LG • ○ • 10 3/8
M 6 • M 8 • M 10



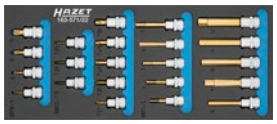
HAZET No.	L x W mm		EAN-No. 4000896+
163-460/7	172x114	7	204939

Made in Germany

E · ○ · ○ · ○ · 10 3/8″

Suitable for HAZET *Assistent* with a drawer depth of 398 mm:
173 · 179 · 179 N · 179 W · 179 N W · 179 BIG-1 · 179 XL · 179 N XL · 179 XXL · 179 N XXL · 179 A XXL · 179 T XXL · 180

1/3 +




8801 • ○ • 10 3/8
3 • 4 • 5 • 6 • 7
8 • 9 • 10 • 11 • 12


8802 • ○ • 10 3/8
T 15 • T 20 • T 25 • T 27
T 30 • T 40 • T 45 • T 50


8808 • ○ • 10 3/8
M 5 • M 6 • M 8 • M 10

HAZET No.	L x W mm		EAN-No. 4000896+
163-571/22	392x172	22	233434

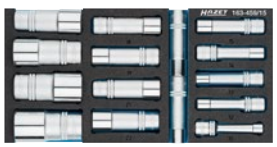
163 Socket set

Made in Germany

E · R · 12.5 1/2″

1/3


900 LG • ◎ • 12.5 1/2
10 • 12 • 13 • 14 • 15
16 • 17 • 18 • 19 • 21
22 • 24 • 27 • 30 • 32



►

163 Socket set

◄

E · R · 12.5 1/2″

HAZET No.	L x W mm		EAN-No. 4000896+
163-459/15	342x172	15	204649

163 Socket set

Made in Germany

E · R · 12.5 1/2″

HiPer

1/3




900 • ◎ • 12.5 1/2
10 • 11 • 12 • 13 • 14
15 • 16 • 17 • 18 • 19
21 • 22 • 24 • 27


916 HP • 12.5 1/2

917-5 • 12.5 1/2 • 12.5 1/2

918-10 • 12.5 1/2 • 12.5 1/2


920 • 12.5 1/2 • 12.5 1/2

HAZET No.	L x W mm		EAN-No. 4000896+
163-191/18	342x172	18	162307

Made in Germany

E · R · 12.5 1/2″



HiPer

2/3


900 • ◎ • 12.5 1/2
10 • 11 • 12 • 13 • 14 • 15
16 • 17 • 18 • 19 • 20 • 21
22 • 23 • 24 • 26 • 27 • 28
30 • 32 • 34


915 • 12.5 1/2


916 HP • 12.5 1/2


917-5 • 12.5 1/2 • 12.5 1/2

918-10 • 12.5 1/2 • 12.5 1/2


920 • 12.5 1/2 • 12.5 1/2

HAZET No.	L x W mm		EAN-No. 4000896+
163-102/27	344x342	26	145935

Made in Germany

E · R · ○ · ○ · 12.5 1/2″

HiPer

1/3




900 • ◎ • 12.5 1/2
10 • 11 • 12 • 13 • 14 • 15
16 • 17 • 18 • 19 • 21 • 22
24 • 27 • 30 • 32


917-5 • 12.5 1/2 • 12.5 1/2


986 • ○ • 12.5 1/2
5 • 6 • 7 • 8 • 10 • 12 • 14


992 • ○ • 12.5 1/2
T 20 • T 25 • T 30
T 40 • T 45 • T 50


916 HP • 12.5 1/2


920 • 12.5 1/2 • 12.5 1/2

HAZET No.	L x W mm		EAN-No. 4000896+
163-272/32	342x172	32	181414

Components and spare parts from page 482 to 490

163 Screwdriver socket set

Made in Germany

TiN · E · 12.5 · 1/2"

1/9

986 • O • 12.5 1/2
5 • 6 • 7 • 8 • 10



HAZET No.	L x W mm		EAN-No. 4000896+
163-215/5	172x114	5	168217

Made in Germany

TiN · E · 12.5 · 1/2"

1/9

986 • O • 12.5 1/2
5 • 6 • 7 • 8 • 10
12 • 14 • 17 • 19



HAZET No.	L x W mm		EAN-No. 4000896+
163-270/9	172x114	9	181063

Made in Germany

TiN · E · 12.5 · 1/2"

1/3



986 • O • 12.5 1/2
5 • 6 • 7 • 8 • 10 • 12 • 14 • 17 • 19

986 KK • O • 12.5 1/2
6 • 7 • 8 • 10

HAZET No.	L x W mm		EAN-No. 4000896+
163-220/13	342x172	13	168286

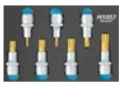
163 Screwdriver socket set · XZN

Made in Germany

TiN · E · 12.5 · 1/2"

1/9

990 • O • 12.5 1/2
M 6 • M 8 • M 10 • M 12
M 14 • M 16 • M 18



HAZET No.	L x W mm		EAN-No. 4000896+
163-243/7	172x114	7	178032

163 Socket set

Made in Germany

E · 20 · 3/4"

3/3



163 Socket set

E · 20 · 3/4"

1000 • 20 3/4"
19 • 21 • 22 • 24 • 27
30 • 32 • 34 • 36 • 38
41 • 46 • 50 • 55 • 60

1014

1015-1 • 20 3/4"

1016 • 20 3/4"

1017-8 • 20 3/4" • 20 3/4"

1018 • 20 3/4" • 20 3/4"

HAZET No.	L x W mm		EAN-No. 4000896+
163-406/20	519x342	20	200054

Made in Germany

Suitable for HAZET *Assistent* with a drawer depth of 398 mm:
173 · 179 · 179 N · 179 W · 179 N W · 179 BIG-1 · 179 XL · 179 N XL · 179 XXL · 179 N XXL · 179 A XXL · 179 T XXL · 180

E · 12.5 · 1/2" · 6.3 · 1/4"



HiPer

3/3+

850 • 6.3 1/4"
4 • 5 • 5.5 • 6
7 • 8 • 9 • 10
11 • 12 • 13 • 14

850 LG • 6.3 1/4"
4 • 5 • 5.5 • 6
7 • 8 • 9 • 10
11 • 12 • 13

858-1 • 10 3/8" • 6.3 1/4"

863 HP • 6.3 1/4"

865 • 6.3 1/4"

866 U • 6.3 1/4"

867-2 • 6.3 1/4" • 6.3 1/4"

868 • 6.3 1/4" • 6.3 1/4"

869 • 6.3 1/4" • 6.3 1/4"

8501 • O • 6.3 1/4"
3 • 4 • 5 • 6 • 8

8503 • • 6.3 1/4"
0.6x3.5 • 1x5.5 • 1.2x8

8506 • • 6.3 1/4"
PH 1 • PH 2

8507 • • 6.3 1/4"
PZ 1 • PZ 2

900 • 12.5 1/2"
10 • 11 • 12 • 13 • 14
15 • 16 • 17 • 18 • 19
20 • 21 • 22 • 24 • 27
30 • 32

903 SLG • 12.5 1/2"
17 • 19

915 • 12.5 1/2"

916 HP • 12.5 1/2"

917-5 • 12.5 1/2" • 12.5 1/2"

918-10 • 12.5 1/2" • 12.5 1/2"

919-1 • 12.5 1/2" • 12.5 1/2"

920 • 12.5 1/2" • 12.5 1/2"

958-1 • 20 3/4" • 12.5 1/2"
958-2 • 10 3/8" • 12.5 1/2"

986 • O • 12.5 1/2
5 • 6 • 7 • 8
10 • 12 • 14 • 17

HAZET No.	L x W mm		EAN-No. 4000896+
163-138/77	519x392	77	151875

163 Tool set · TORX®

Made in Germany

TiN · E · T · 6.3 · 1/4"



850 E • • 6.3 1/4"
E 4 • E 5 • E 6 • E 7 • E 8 • E 10 • E 11

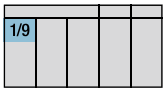
8502 • O • 6.3 1/4"
T 10 • T 15 • T 20 • T 25
T 27 • T 30 • T 40

HAZET No.	L x W mm		EAN-No. 4000896+
163-251/14	172x50	14	178063

163 Adapter set

Made in Germany

Ⓔ 6.3 1/4" 10 3/8" 12.5 1/2" 20 3/4"
6.3 1/4" 10 3/8" 12.5 1/2" 20 3/4"






858-1 • 10 3/8 • 6.3 1/4


958-1 • 20 3/4 • 12.5 1/2
958-2 • 10 3/8 • 12.5 1/2


8858-1 • 12.5 1/2 • 10 3/8
8858-2 • 6.3 1/4 • 10 3/8

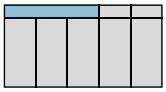

1058-2 • 12.5 1/2 • 20 3/4

HAZET No.	L x W mm		EAN-No. 4000896+
163-217/6	172x114	6	168231

163 Socket set

Made in Germany

Ⓔ 6.3 1/4" 10 3/8" 12.5 1/2" 20 3/4"






858-1 • 10 3/8 • 6.3 1/4


903 SLG • 12.5 1/2
17 • 19


958-1 • 20 3/4 • 12.5 1/2
958-2 • 10 3/8 • 12.5 1/2


8858-1 • 12.5 1/2 • 10 3/8
8858-2 • 6.3 1/4 • 10 3/8


1058-2 • 12.5 1/2 • 20 3/4

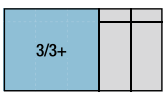
HAZET No.	L x W mm		EAN-No. 4000896+
163-131/8	519x50	8	153626

163 Socket set

Suitable for HAZET *Assistent* with a drawer depth of 398 mm:
173 · 179 · 179 N ·
179 W · 179 N W · 179 BIG-1 · 179 XL · 179 N XL ·
179 XXL · 179 N XXL · 179 A XXL · 179 T XXL · 180

Ⓔ 12.5 1/2" 10 3/8" 6.3 1/4" 6.3 1/4"

HiPer






609 •
E 6, E 8 • E 10, E 12
E 14, E 18 • E 20, E 24


880 E • • 10 3/8
E 10 • E 11 • E 12 • E 14


880 LG • • 10 3/8
10 • 11 • 12 • 13


880 • • 10 3/8
7 • 8 • 9 • 10 • 11
12 • 13 • 14 • 15 • 16
17 • 18 • 19 • 21 • 22


880 G • • 10 3/8
10 • 11 • 12 • 13
14 • 15 • 16


8801 K • • 10 3/8
9


850 E • • 6.3 1/4
E 4 • E 5 • E 6 • E 7 • E 8


880 G-E • • 10 3/8
E 8 • E 10


8802 • • 10 3/8
T 40 • T 45

►

163 Socket set

◄ Ⓔ 12.5 1/2" 10 3/8" 6.3 1/4" 6.3 1/4"


8808 • • 10 3/8
M 6 • M 8 • M 10

8816 HP • 10 3/8

8816 GK • 10 3/8


8820 • 10 3/8 • 10 3/8

8821 • 10 3/8 • 10 3/8
8821-3 • 8821-6 • 8821-10


8858-1 • 12.5 1/2 • 10 3/8
8858-2 • 6.3 1/4 • 10 3/8


900 E • • 12.5 1/2
E 16 • E 18 • E 20 • E 24


992 • • 12.5 1/2
T 50 • T 55 • T 60


2115 •
T 6 • T 7 • T 8 • T 9
T 10 • T 15 • T 20 • T 25
T 27 • T 30 • T 40

2215 • • 6.3 1/4
PH 1 • PH 2 • PH 3

2223 • • 6.3 1/4
T 6


2223 • • 6.3 1/4
T 7 H • T 8 H • T 9 H
T 10 H • T 15 H • T 20 H
T 25 H • T 27 H • T 30 H
T 40 H


2223 LG • • 6.3 1/4
T 25


2250-1 • 6.3 1/4 • 6.3 1/4
2250-2 • 6.3 1/4 • 10 3/8

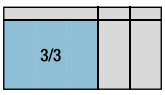

863 HP B • 6.3 1/4

HAZET No.	L x W mm		EAN-No. 4000896+
163-139/90	519x392	90	151882

163 Socket set · TORX® double box-end wrenches · sockets, etc.

Ⓔ 12.5 1/2" 10 3/8" 6.3 1/4" 6.3 1/4"

HiPer



609 •
E 6, E 8 • E 10, E 12
E 14, E 18 • E 20, E 24

803-T •
T 6 • T 7 • T 8 • T 9
T 10 • T 15 • T 20 • T 25
T 27 • T 30

850 E • • 6.3 1/4
E 4 • E 5 • E 6 • E 7 • E 8

880 • • 10 3/8
10 • 11 • 12 • 13
14 • 15 • 16 • 17
18 • 19 • 21 • 22

880 E • • 10 3/8
E 10 • E 11 • E 12 • E 14

8802 • • 10 3/8
T 40 • T 45

8816 HP • 10 3/8

8820 • 10 3/8 • 10 3/8

8821 • 10 3/8 • 10 3/8
8821-3 • 8821-6 • 8821-10

900 E • • 12.5 1/2
E 16 • E 18 • E 20 • E 24

992 • • 12.5 1/2
T 50 • T 55 • T 60

2115 •
T 6 • T 7 • T 8 • T 9
T 10 • T 15 • T 20 • T 25
T 27 • T 30 • T 40

2223 • • 6.3 1/4
T 6

2223 • • 6.3 1/4
T 7 H • T 8 H • T 9 H
T 10 H • T 15 H • T 20 H
T 25 H • T 27 H • T 30 H
T 40 H

2223 LG • • 6.3 1/4
T 25

2250-1 • 6.3 1/4 • 6.3 1/4
2250-2 • 6.3 1/4 • 10 3/8

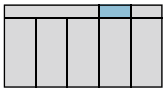
863 HP B • 6.3 1/4

HAZET No.	L x W mm		EAN-No. 4000896+
163-53/75	519x342	75	122783

Components and spare parts
from page 482 to 490

163 Tool set · TORX®

Made in Germany







880 E • 3/8"
E 8 • E 10 • E 12 • E 14



8802 • 3/8"
T 25 • T 30 • T 40
T 45 • T 50

HAZET No.	L x W mm		EAN-No. 4000896+
163-252/9	172x50	9	178070

163 Socket set

Suitable for HAZET *Assistent* with a drawer depth of 398 mm:
173 · 179 · 179 N ·
179 W · 179 N W · 179 BIG-1 · 179 XL ·
179 N XL · 179 XXL · 179 N XXL · 179 A XXL · 179 T XXL · 180



HiPer

3/3+



850 • 1/4"
4 • 5 • 5.5 • 6
7 • 8 • 9 • 10
11 • 12 • 13 • 14



850 E • 1/4"
E 4 • E 5 • E 6 • E 7 • E 8



8501 • 1/4"
3 • 4 • 5 • 6



8502 • 1/4"
T 10 • T 15 • T 20
T 25 • T 27



8503 • 1/4"
1x5.5



8506 • 1/4"
PH 1 • PH 2



858-1 • 3/8" • 1/4"



863 HP • 1/4"



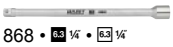
866 U • 1/4"



867-2 • 1/4" • 1/4"



867-4 • 1/4" • 1/4"



868 • 1/4" • 1/4"



869 • 1/4" • 1/4"



8858-1 • 1/2" • 3/8"
8858-2 • 1/4" • 3/8"



900 • 1/2"
10 • 11 • 12 • 13 • 14
15 • 16 • 17 • 18 • 19
20 • 21 • 22 • 24 • 27
30 • 32



900 E • 1/2"
E 10 • E 12 • E 14
E 16 • E 18 • E 20



900 SZ • 1/2"
32 • 36



900 Z • 1/2"
8 • 9 • 10 • 12 • 13
14 • 15 • 16 • 17 • 18
19 • 21 • 22 • 24 • 27
30 • 32



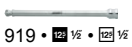
903 SLG • 1/2"
17 • 19



915 • 1/2"



916 HP • 1/2"



919 • 1/2" • 1/2"
919-1 • 919-5 • 919-10



920 • 1/2" • 1/2"



958-1 • 3/4" • 1/2"
958-2 • 3/8" • 1/2"



992 • 1/2"
T 25 • T 27 • T 30 • T 40
T 45 • T 50 • T 55 • T 60



1058-2 • 1/2" • 3/4"



2223 • 1/4"
T 6 • T 7 • T 8 • T 9



2250-1 • 1/4" • 1/4"

HAZET No.	L x W mm		EAN-No. 4000896+
163-369/104	519x392	104	196722

163 Tool set



HiPer

3/3



751 HS/5



850 • 1/4"
6 • 7 • 8 • 9
10 • 11 • 12 • 13



863 HP • 1/4"



867-2 • 1/4" • 1/4"



880 • 3/8"
10 • 12 • 13 • 14
16 • 17 • 19

8816 HP • 3/8"

8821-10 • 3/8" • 3/8"

900 • 1/2"
13 • 14 • 15 • 16 • 17
18 • 19 • 21 • 22 • 24
27 • 30 • 32

916 HP • 1/2"

917-5 • 1/2" • 1/2"

2105 Lg/9 H • O

2240 N/51
O, 1/4", O, O, O, O, O

2250-1 • 1/4" • 1/4"

HAZET No.	L x W mm		EAN-No. 4000896+
163-329/100	519x342	100	191833

163 Socket set

Suitable for HAZET *Assistent* with drawer dimension of at least 398x694 mm:
179 XL · 179 N XL · 179 XXL · 179 N XXL
as well as 179 A XXL · 179 T XXL in the upper drawer

HiPer

4/3+

760-2

810 SPC-6.3 • 1/4"

850 • 1/4"
5.5 • 6 • 7 • 8 • 9
10 • 11 • 12 • 13

850 E • 1/4"
E 5 • E 6 • E 7 • E 8 • E 10

8502 • 1/4"
T 10 • T 15 • T 20 • T 25
T 27 • T 30 • T 40

863 HP • 1/4"

867-2 • 1/4" • 1/4"

868 • 1/4" • 1/4"

869 • 1/4" • 1/4"

880 • 3/8"
10 • 11 • 12 • 13
14 • 15 • 16 • 17
18 • 19 • 21 • 22

8816 HP • 3/8"

8820 • 3/8" • 3/8"

8821 • 3/8" • 3/8"
8821-3 • 8821-6 • 8821-10

8858-2 • 1/4" • 3/8"

900 • 1/2"
10 • 11 • 12 • 13 • 14
15 • 16 • 17 • 18 • 19
20 • 21 • 22 • 23 • 24
26 • 27 • 28 • 30 • 32

900 E • 1/2"
E 10 • E 12 • E 14
E 16 • E 18 • E 20

915 • 1/2"

916 HP • 1/2"

917-5 • 1/2" • 1/2"

▶

163 Socket set

◄



918-10 • 12.5 ½ • 12.5 ½


920 • 12.5 ½ • 12.5 ½


958-2 • 10 ⅜ • 12.5 ½


992 • ○ • 12.5 ½
T 30 • T 40 • T 45
T 50 • T 55

1058-2 • 12.5 ½ • 20 ¾


1802 M-22


1841 M b-33

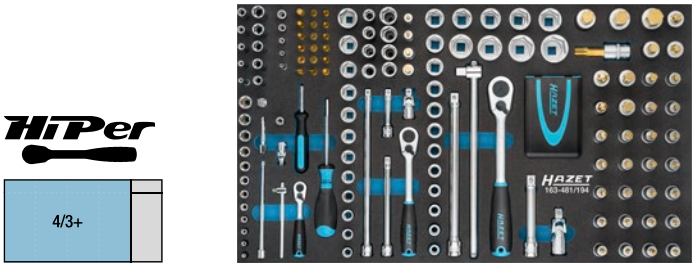

1850 M-22

2240 N/51
○, 6.3 ¼", ○, ○, ○, ○, ○


2250-1 • 6.3 ¼" • 6.3 ¼"

HAZET No.	L x W mm		EAN-No. 4000896+
163-508/138	691x392	138	214907

Suitable for HAZET *Assistent* with drawer dimension of at least 398x694 mm:
179 XL · 179 N XL · 179 XXL · 179 N XXL
as well as 179 A XXL · 179 T XXL in the upper drawer



HiPer

4/3+


810 SPC-6.3 • 6.3 ¼"


850 • ○ • 6.3 ¼"
3 • 4 • 5 • 6
7 • 8 • 9 • 10
11 • 12 • 13 • 14


850 E • ⬢ • 6.3 ¼"
E 4 • E 5 • E 6 • E 8 • E 10


8501 • ○ • 6.3 ¼"
3 • 4 • 5 • 6 • 8


8502 • ○ • 6.3 ¼"
T 15 • T 20 • T 25
T 27 • T 30 • T 40


8503 • ⬬ • 6.3 ¼"
0.6x3.5 • 1x5.5 • 1.2x8


8506 • ✪ • 6.3 ¼"
PH 1 • PH 2


8507 • ✪ • 6.3 ¼"
PZ 1 • PZ 2


850 LG • ○ • 6.3 ¼"
4 • 5 • 6 • 7 • 8
9 • 10 • 11 • 12 • 13


858-1 • 10 ⅜ • 6.3 ¼"


863 HP • 6.3 ¼"


865 • 6.3 ¼"


866 U • 6.3 ¼"


867-2 • 6.3 ¼" • 6.3 ¼"

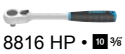

868 • 6.3 ¼" • 6.3 ¼"


869 • 6.3 ¼" • 6.3 ¼"

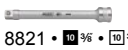

880 • ○ • 10 ⅜"
10 • 11 • 12 • 13
14 • 15 • 16 • 17
18 • 19 • 21 • 22


8801 K • ○ • 10 ⅜"
5 • 6 • 8 • 10

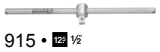

880 LG • ○ • 10 ⅜"
12 • 13 • 14 • 15
16 • 17 • 18 • 19


8816 HP • 10 ⅜"


8820 • 10 ⅜" • 10 ⅜"

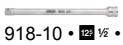

8821 • 10 ⅜" • 10 ⅜"
8821-3 • 8821-6 • 8821-10


900 • ○ • 12.5 ½"
10 • 11 • 12 • 13 • 14
15 • 16 • 17 • 18 • 19
20 • 21 • 22 • 23 • 24
26 • 27 • 28 • 30 • 32


915 • 12.5 ½"


916 HP • 12.5 ½"


917-5 • 12.5 ½" • 12.5 ½"


918-10 • 12.5 ½" • 12.5 ½"


920 • 12.5 ½" • 12.5 ½"

986 • ○ • 12.5 ½"
4 • 5 • 6 • 7 • 8 • 9
10 • 12 • 17 • 19 • 22

990 • ○ • 12.5 ½"
M 5 • M 6 • M 8
M 10 • M 12 • M 14
M 16 • M 18

991 • ✪ • 12.5 ½"
M 6 • M 7 • M 8 • M 9
M 10 • M 12 • M 14

►

163 Socket set

◄

992 • ○ • 12.5 ½
T 20 • T 25 • T 27
T 30 • T 40 • T 45
T 50 • T 55 • T 60

2240 N/51
○, 6.3 ¼", ○, ○, ○, ○, ○

2250-1 • 6.3 ¼" • 6.3 ¼"

HAZET No.	L x W mm		EAN-No. 4000896+
163-481/194	691x392	194	208227

Suitable for HAZET *Assistent* with drawer dimension of at least 398x694 mm:
179 XL · 179 N XL · 179 XXL · 179 N XXL
as well as
179 A XXL · 179 T XXL in the upper drawer

HiPer

4/3+

810 SPC-6.3 • 6.3 ¼"

850 • ○ • 6.3 ¼"
3 • 4 • 5 • 6
7 • 8 • 9 • 10
11 • 12 • 13 • 14

850 E • ⬢ • 6.3 ¼"
E 4 • E 5 • E 6 • E 8 • E 10

8501 • ○ • 6.3 ¼"
3 • 4 • 5 • 6 • 8

8502 • ○ • 6.3 ¼"
T 15 • T 20 • T 25
T 27 • T 30 • T 40

8503 • ⬬ • 6.3 ¼"
0.6x3.5 • 1x5.5 • 1.2x8

8506 • ✪ • 6.3 ¼"
PH 1 • PH 2

8507 • ✪ • 6.3 ¼"
PZ 1 • PZ 2

850 LG • ○ • 6.3 ¼"
10 • 11 • 12 • 13 • 4
5 • 6 • 7 • 8 • 9

858-1 • 10 ⅜" • 6.3 ¼"

863 HP • 6.3 ¼"

865 • 6.3 ¼"

866 U • 6.3 ¼"

867-2 • 6.3 ¼" • 6.3 ¼"

868 • 6.3 ¼" • 6.3 ¼"

869 • 6.3 ¼" • 6.3 ¼"

880 • ○ • 10 ⅜"
10 • 11 • 12 • 13
14 • 15 • 16 • 17
18 • 19 • 21 • 22

880 E • ⬢ • 10 ⅜"
E 5 • E 6 • E 7 • E 8
E 10 • E 11 • E 12 • E 14

8801 K • ○ • 10 ⅜"
5 • 6 • 8 • 10

880 LG • ○ • 10 ⅜"
12 • 13 • 14 • 15
16 • 17 • 18 • 19

8816 HP • 10 ⅜"

8820 • 10 ⅜" • 10 ⅜"

8821 • 10 ⅜" • 10 ⅜"
8821-3 • 8821-6 • 8821-10

900 • ○ • 12.5 ½"
10 • 11 • 12 • 13 • 14
15 • 16 • 17 • 18 • 19
20 • 21 • 22 • 23 • 24
26 • 27 • 28 • 30 • 32

900 E • ⬢ • 12.5 ½
E 10 • E 11 • E 12 • E 14
E 16 • E 18 • E 20 • E 24

915 • 12.5 ½"

916 HP • 12.5 ½"

917-5 • 12.5 ½" • 12.5 ½"

918-10 • 12.5 ½" • 12.5 ½"

920 • 12.5 ½" • 12.5 ½"

986 • ○ • 12.5 ½"
4 • 5 • 6 • 7
8 • 9 • 10 • 12
14 • 17 • 19 • 22

990 • ○ • 12.5 ½"
M 5 • M 6 • M 8
M 10 • M 12 • M 14
M 16 • M 18

991 • ✪ • 12.5 ½"
M 6 • M 7 • M 8 • M 9
M 10 • M 12 • M 14

992 • ○ • 12.5 ½"
T 20 • T 25 • T 27
T 30 • T 40 • T 45
T 50 • T 55 • T 60

2250-1 • 6.3 ¼" • 6.3 ¼"

HAZET No.	L x W mm		EAN-No. 4000896+
163-549/160	691x392	160	224388

Components and spare parts
from page 482 to 490

163 Socket / screwdriver set



HiPer

2/3

810 SPC-6.3 • 6.3 ¼"

850 • 6.3 ¼"
5.5 • 6 • 7 • 8 • 9
10 • 11 • 12 • 13

863 HP • 6.3 ¼"

867-2 • 6.3 ¼" • 6.3 ¼"

868 • 6.3 ¼" • 6.3 ¼"

869 • 6.3 ¼" • 6.3 ¼"

900 • 12.5 ½"
10 • 11 • 12 • 13 • 14
15 • 16 • 17 • 18 • 19
20 • 21 • 22 • 23 • 24
26 • 27 • 28 • 30 • 32

915 • 12.5 ½"

916 HP • 12.5 ½"

917-5 • 12.5 ½" • 12.5 ½"

918-10 • 12.5 ½" • 12.5 ½"

920 • 12.5 ½" • 12.5 ½"

2204 • 6.3 ¼"
3 • 4 • 5 • 6 • 8

2208 • 6.3 ¼"
0.6x4.5 • 1x6 • 1.2x6.5

2215 • 6.3 ¼"
PH 1 • PH 3

2216 • 6.3 ¼"
PZ 1 • PZ 2

2223 • 6.3 ¼"
T 15 • T 20 • T 25 • T 30

2250-1 • 6.3 ¼" • 6.3 ¼"

2304 N • 6.3 ¼" • 6.3 ¼"

HAZET No.	L x W mm		EAN-No. 4000896+
163-224/57	344x342	57	176311

163 Socket set

Suitable for HAZET *Assistent* with a drawer depth of 398 mm:
173 · 179 · 179 N · 179 W · 179 N W · 179 BIG-1 · 179 XL · 179 N XL · 179 XXL · 179 N XXL · 179 A XXL · 179 T XXL · 180



HiPer

3/3+

810 SPC-6.3 • 6.3 ¼"

850 • 6.3 ¼"
5.5 • 6 • 7 • 8 • 9
10 • 11 • 12 • 13

850 E • 6.3 ¼"
E 5 • E 6 • E 7 • E 8 • E 10

863 HP • 6.3 ¼"

867-2 • 6.3 ¼" • 6.3 ¼"

868 • 6.3 ¼" • 6.3 ¼"

869 • 6.3 ¼" • 6.3 ¼"

880 • 10 ⅜"
10 • 11 • 12 • 13
14 • 15 • 16 • 17
18 • 19 • 21 • 22

8816 HP • 10 ⅜"

8820 • 10 ⅜" • 10 ⅜"

8821 • 10 ⅜" • 10 ⅜"
8821-3 • 8821-6 • 8821-10

8858-2 • 6.3 ¼" • 10 ⅜"

900 • 12.5 ½"
10 • 11 • 12 • 13 • 14
15 • 16 • 17 • 18 • 19
20 • 21 • 22 • 23 • 24
26 • 27 • 28 • 30 • 32

900 E • 12.5 ½"
E 10 • E 12 • E 14
E 16 • E 18 • E 20

915 • 12.5 ½"

►

163 Socket set

◄

916 HP • 12.5 ½"

917-5 • 12.5 ½" • 12.5 ½"

918-10 • 12.5 ½" • 12.5 ½"

920 • 12.5 ½" • 12.5 ½"

958-2 • 10 ⅜" • 12.5 ½"

1058-2 • 12.5 ½" • 20 ¾"

2240 N/51
6.3 ¼", 6.3 ¼", 6.3 ¼", 6.3 ¼", 6.3 ¼", 6.3 ¼", 6.3 ¼"

2250-1 • 6.3 ¼" • 6.3 ¼"

HAZET No.	L x W mm		EAN-No. 4000896+
163-513/122	519x392	122	214990

163 Tool set · TORX®

Made in Germany

1/9

900 E • 12.5 ½"
E 10 • E 12 • E 14
E 16 • E 18 • E 20

992 • 12.5 ½"
T 30 • T 40 • T 45
T 50 • T 55 • T 60

HAZET No.	L x W mm		EAN-No. 4000896+
163-245/12	172x114	12	178049

163 Impact socket set

Made in Germany



1/3

900 S • 12.5 ½"
17 • 18 • 19 • 21
22 • 24 • 27

900 SLG • 12.5 ½"
17 • 18 • 19 • 21
22 • 24 • 27

9006 S • 12.5 ½" • 12.5 ½"

HAZET No.	L x W mm		EAN-No. 4000896+
163-463/15	342x172	15	205066

Made in Germany

Suitable for HAZET *Assistent* with a drawer depth of 398 mm:
173 · 179 · 179 N · 179 W · 179 N W · 179 BIG-1 · 179 XL · 179 N XL · 179 XXL · 179 N XXL · 179 A XXL · 179 T XXL · 180



1/3 +

900 SZ6 • 12.5 ½",
19 • 21 • 22 • 24
27 • 30 • 32 • 36

985 S • 12.5 ½"
14 • 17 • 19

990 S • 12.5 ½",
M 14 • M 16 • M 18

985 S • 12.5 ½"
14 • 17 • 19

990 S • 12.5 ½",
M 14 • M 16 • M 18

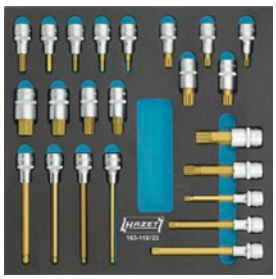
1007 S-7/4 • 12.5 ½" • 20 ¾"

HAZET No.	L x W mm		EAN-No. 4000896+
163-570/24	392x172	24	233441

Components and spare parts from page 482 to 490

163 Screwdriver socket set

Made in Germany



2/3

986 • ○ • 12.5 ½
5 • 6 • 7 • 8 • 10
12 • 14 • 17 • 19

990 • ○ • 12.5 ½
M 8 • M 10 • M 12
M 14 • M 16 • M 18

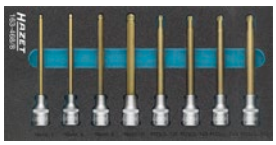
990 SLG • ○ • 12.5 ½
M 10 • M 12

986 KK • ○ • 12.5 ½
6 • 7 • 8 • 10

990 LG • ○ • 12.5 ½
M 8 • M 14

HAZET No.	L x W mm		EAN-No. 4000896+
163-119/23	344x342	23	153510

Made in Germany



1/3

986 KK • ○ • 12.5 ½
5 • 6 • 8 • 10

992 SLG • ○ • 12.5 ½
T 30 • T 40 • T 45 • T 50

HAZET No.	L x W mm		EAN-No. 4000896+
163-468/8	342x172	8	205479

Made in Germany



2/3

986 • ○ • 12.5 ½
4 • 5 • 6 • 7
8 • 9 • 10 • 12
17 • 19 • 22

991 • ○ • 12.5 ½
M 6 • M 7 • M 8
M 9 • M 10 • M 12
M 14

990 • ○ • 12.5 ½
M 5 • M 6 • M 8
M 10 • M 12 • M 14
M 16 • M 18

992 • ○ • 12.5 ½
T 20 • T 25 • T 27
T 30 • T 40 • T 45
T 50 • T 55 • T 60

HAZET No.	L x W mm		EAN-No. 4000896+
163-407/35	344x342	35	199990

163 TORX® screwdriver socket set

Made in Germany

1/9

992 • ○ • 12.5 ½
T 20 • T 25 • T 27 • T 30 • T 40
T 45 • T 50 • T 55 • T 60



HAZET No.	L x W mm		EAN-No. 4000896+
163-271/9	172x114	9	181056

Made in Germany



1/3

850 E • ⬢ • 6.3 ¼
E 5 • E 6 • E 7 • E 8
E 10 • E 11 • E 12

900 E • ⬢ • 12.5 ½
E 12 • E 14 • E 16
E 18 • E 20 • E 24

992 • ○ • 12.5 ½
T 20 • T 25 • T 27
T 30 • T 40 • T 45
T 50 • T 55 • T 60

8502 • ○ • 6.3 ¼
T 8 • T 9 • T 10
T 15 • T 20 • T 25
T 27 • T 30 • T 40

992 SLG • ○ • 12.5 ½
T 30 • T 40 • T 45 • T 50

HAZET No.	L x W mm	EAN-No. 4000896+
163-587/35	342x172	239863

163 Flexible nut-driver set

Made in Germany



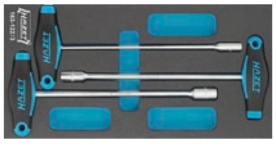
1/3

426 • ⬢
5 • 6 • 7 • 8 • 10

HAZET No.	L x W mm		EAN-No. 4000896+
163-461/5	342x172	5	204625

163 Nut-driver set · with T-handle

Made in Germany



1/3

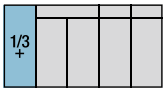
428 • ⬢
8 • 10 • 13

HAZET No.	L x W mm		EAN-No. 4000896+
163-122/3	342x172	3	153534

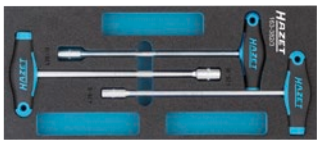
Components and spare parts
from page 482 to 490

163 Nut-driver set · with T-handle

Made in Germany
Suitable for HAZET *Assistent*® with a drawer depth of 398 mm:
173 · 179 · 179 N · 179 W · 179 N W · 179 BIG-1 · 179 XL · 179 N XL · 179 XXL · 179 N XXL · 179 A XXL · 179 T XXL · 180

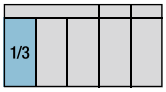


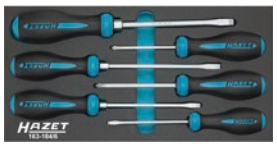

428 •
8 • 10 • 13



HAZET No.	L x W mm		EAN-No. 4000896+
163-382/3	392x172	3	196821

163 HEXAnamic® screwdriver set



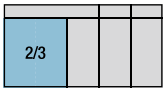


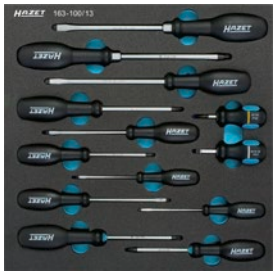

802 •
0.8x4 • 1x5.5 • 1.2x6.5 • 1.2x8


802-PH •
PH 1 • PH 2

HAZET No.	L x W mm		EAN-No. 4000896+
163-184/6	342x172	6	161461

163 Screwdriver set






803 •
0.4x2.5 • 0.5x3
0.6x3.5 • 0.8x4
1.2x6.5 • 1.2x8


801 NK •
1x5.5


803-PZ •
PZ 1 • PZ 2

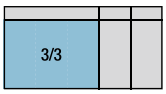

801 NK-PH •
PH 2


803-PH •
PH 1 • PH 2 • PH 3

HAZET No.	L x W mm		EAN-No. 4000896+
163-100/13	344x342	13	145713

163 Tool set





163 Tool set


810/6 •

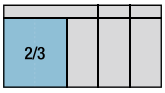

810 T/6 •


1859 SPC/3


2140-50

HAZET No.	L x W mm		EAN-No. 4000896+
163-330/16	519x342	16	191826

163 Screwdriver set






810 U-1/5 •

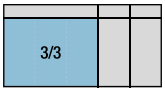

810/6 •


810 T/6 •


2105 Lg/9 H •

HAZET No.	L x W mm		EAN-No. 4000896+
163-297/26	344x342	26	186242

163 Universal set






730
730-3 • 730-6

746-1


748 B
748 b-3 • 748 b-4
748 b-5 • 748 b-6


760-2


801 NK •
1x5.5


801 NK-PH •
PH 2


803 •
0.4x2.5 • 0.5x3 • 0.6x3.5
0.8x4 • 1.2x6.5 • 1.2x8


803-PH •
PH 1 • PH 2 • PH 3


1802 M-22


1841 M b-33


1850 M-22


2105 Lg/9 H •

2140-50

HAZET No.	L x W mm		EAN-No. 4000896+
163-120/24	519x342	24	153572

Components and spare parts from page 482 to 490

Errors excepted

163 Screwdriver set

Suitable for HAZET *Assistent*® with a drawer depth of 398 mm:
173 · 179 · 179 N · 179 W · 179 N W · 179 BIG-1 · 179 XL · 179 N XL · 179 XXL · 179 N XXL · 179 A XXL · 179 T XXL · 180



3/3+

802 • 0.6x3.5 • 0.8x4 • 1x5.5 1.2x6.5 • 1.2x8 • 1.6x10 2x12

801 NK • 1x5.5

803-T • T 6 • T 7 • T 8 • T 9 T 10 • T 15 • T 20 • T 25 T 27 • T 30

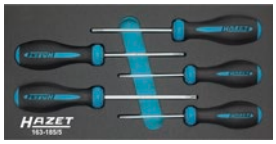
802-PH • PH 1 • PH 2 • PH 3

801 NK-PH • PH 2

2105 Lg/9 H •

HAZET No.	L x W mm		EAN-No. 4000896+
163-141/31	519x392	31	151905

163 HEXAnamic® screwdriver set



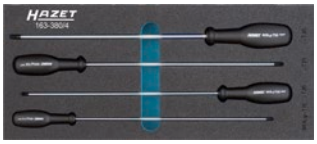
1/3

802-TH •
T 10 H • T 15 H • T 20 H T 25 H • T 30 H

HAZET No.	L x W mm		EAN-No. 4000896+
163-185/5	342x172	5	161478

163 TORX® screwdriver set

Suitable for HAZET *Assistent*® with a drawer depth of 398 mm:
173 · 179 · 179 N · 179 W · 179 N W · 179 BIG-1 · 179 XL · 179 N XL · 179 XXL · 179 N XXL · 179 A XXL · 179 T XXL · 180



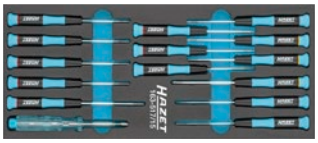
1/3+

803 LG-T •
T 15 • T 20 • T 25 • T 30

HAZET No.	L x W mm		EAN-No. 4000896+
163-380/4	392x172	4	196814

163 Electronic screwdriver set

Suitable for HAZET *Assistent*® with a drawer depth of 398 mm:
173 · 179 · 179 N · 179 W · 179 N W · 179 BIG-1 · 179 XL · 179 N XL · 179 XXL · 179 N XXL · 179 A XXL · 179 T XXL · 180



1/3+

805/7 • ,

808/7 •

839 • 0.5x2.8

HAZET No.	L x W mm		EAN-No. 4000896+
163-517/15	392x172	15	218745

163 Screwdriver set

Suitable for HAZET *Assistent*® with drawer dimension of at least 398x694 mm:
179 XL · 179 N XL · 179 XXL · 179 N XXL
as well as 179 A XXL · 179 T XXL in the upper drawer



4/3+

801 NK • 0.6x3.5 • 1x5.5

801 NK-PH • PH 1 • PH 2

805/7 • ,

808/7 •

810 • 0.4x2.5 • 0.5x3 • 0.8x4 1x5.5 • 1.2x6.5

810-PH • PH 0 • PH 1 • PH 2

810-T • T 10 • T 15 • T 20 T 25 • T 27 • T 30

810 U • 0.8x4.5 • 1x5.5 • 1.2x7

810 U-PH • PH 1 • PH 2

839 • 0.5x2.8

2105 Lg/9 H •

2116 Lg/8 H •

HAZET No.	L x W mm		EAN-No. 4000896+
163-527/56	691x392	56	218691



Components and spare parts from page 482 to 490

163 Screwdriver set

Suitable for HAZET *Assistent* with a drawer depth of 398 mm:
173 · 179 · 179 N · 179 W · 179 N W · 179 BIG-1 · 179 XL · 179 N XL · 179 XXL · 179 N XXL · 179 A XXL · 179 T XXL · 180



3/3+

801 NK • 0.6x3.5 • 1x5.5

801 NK-PH • PH 1 • PH 2

810 • 0.4x2.5 • 0.5x3 • 0.8x4 1x5.5 • 1.2x6.5

810-PH • PH 0 • PH 1 • PH 2

810-T • T 10 • T 15 • T 20 T 25 • T 27 • T 30

810 U • 0.8x4.5 • 1x5.5 • 1.2x7

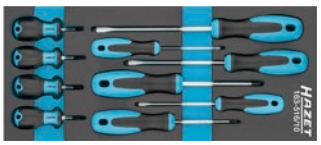
810 U-PH • PH 1 • PH 2 • PH 3

2105 Lg/9 H •

2116 Lg/8 H •

HAZET No.	L x W mm		EAN-No. 4000896+
163-526/41	519x392	41	218646

Suitable for HAZET *Assistent* with a drawer depth of 398 mm:
173 · 179 · 179 N · 179 W · 179 N W · 179 BIG-1 · 179 XL · 179 N XL · 179 XXL · 179 N XXL · 179 A XXL · 179 T XXL · 180



1/3+

801 NK • 0.6x3.5 • 1x5.5

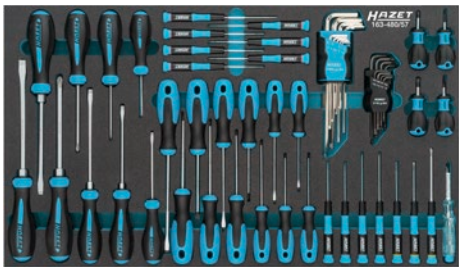
801 NK-PH • PH 1 • PH 2

810 • 0.5x3 • 0.8x4 1x5.5 • 1.2x6.5

810-PH • PH 1 • PH 2

HAZET No.	L x W mm		EAN-No. 4000896+
163-516/10	392x172	10	218738

Suitable for HAZET *Assistent* with drawer dimension of at least 398x694 mm:
179 XL · 179 N XL · 179 XXL · 179 N XXL
as well as 179 A XXL · 179 T XXL in the upper drawer



4/3+

►

163 Screwdriver set

◄

801 NK • 0.6x3.5 • 1x5.5

801 NK-PH • PH 1 • PH 2

802 • 0.8x4 • 1x5.5 • 1.2x6.5 1.2x8 • 1.6x10

802-PH • PH 0 • PH 1 • PH 2 • PH 3

805/7 •

808/7 •

810 • 0.5x3 • 0.8x4 1x5.5 • 1.2x6.5

810-PH • PH 1 • PH 2

810-T • T 10 • T 15 • T 20 T 25 • T 27 • T 30

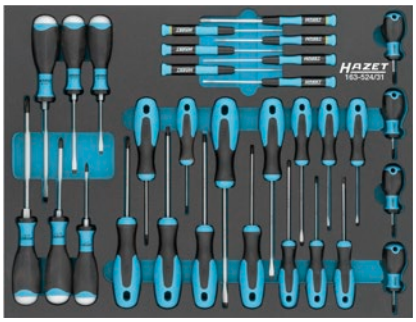
839 • 0.5x2.8

2105 Lg/9 H •

2116 Lg/8 H •

HAZET No.	L x W mm		EAN-No. 4000896+
163-480/57	691x392	57	208234

Suitable for HAZET *Assistent* with a drawer depth of 398 mm:
173 · 179 · 179 N · 179 W · 179 N W · 179 BIG-1 · 179 XL · 179 N XL · 179 XXL · 179 N XXL · 179 A XXL · 179 T XXL · 180



3/3+

801 NK • 0.6x3.5 • 1x5.5

801 NK-PH • PH 1 • PH 2

805/7 •

810 • 0.4x2.5 • 0.5x3 • 0.8x4 1x5.5 • 1.2x6.5

810-PH • PH 0 • PH 1 • PH 2

810-T • T 10 • T 15 • T 20 T 25 • T 27 • T 30

810 U • 0.8x4.5 • 1x5.5 • 1.2x7

810 U-PH • PH 1 • PH 2 • PH 3

HAZET No.	L x W mm		EAN-No. 4000896+
163-524/31	519x392	31	218653

163 TORX® screwdriver set

1/3

810-T • T 10 • T 15 • T 20 T 25 • T 27 • T 30



HAZET No.	L x W mm		EAN-No. 4000896+
163-266/6	342x172	6	180615

163 Screwdriver set · with impact cap



1/3



810 U • ⊖
0.8x4.5 • 1x5.5 • 1.2x7

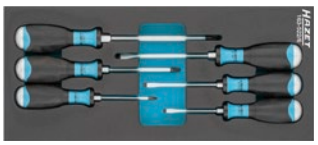


810 U-PH • ✪
PH 1 • PH 2

HAZET No.	L x W mm		EAN-No. 4000896+
163-264/5	342x172	5	180592

163 Screwdriver set

Suitable for HAZET *Assistent*® with a drawer depth of 398 mm:
173 · 179 · 179 N · 179 W · 179 N W · 179 BIG-1 · 179 XL · 179 N XL · 179 XXL · 179 N XXL · 179 A XXL · 179 T XXL · 180



1/3 +



810 U • ⊖
0.8x4.5 • 1x5.5 • 1.2x7



810 U-PH • ✪
PH 1 • PH 2 • PH 3

HAZET No.	L x W mm		EAN-No. 4000896+
163-522/6	392x172	6	218660

163 Screwdriver set · with T-handle



1/3



828-T • ✪
T 6 • T 7 • T 8
T 9 • T 10 • T 15
T 20 • T 25 • T 30

HAZET No.	L x W mm		EAN-No. 4000896+
163-182/9	342x172	9	162352

163 Hose clamp pliers set

Made in Germany



1/3



798-3



798-13



798-17

HAZET No.	L x W mm		EAN-No. 4000896+
163-425/3	342x172	3	202614

163 Pliers set

Made in Germany



1/3



760-2



1802-22



1841 a-22

HAZET No.	L x W mm		EAN-No. 4000896+
163-96/3	342x172	3	145676

Made in Germany

Suitable for HAZET *Assistent*® with a drawer depth of 398 mm:
173 · 179 · 179 N · 179 W · 179 N W · 179 BIG-1 · 179 XL · 179 N XL · 179 XXL · 179 N XXL · 179 A XXL · 179 T XXL · 180



1/3 +



760-2



1802 M-22



1841 M b-33



1850 M-22

HAZET No.	L x W mm		EAN-No. 4000896+
163-511/4	392x172	4	214976

Made in Germany

Suitable for HAZET *Assistent*® with a drawer depth of 398 mm:
173 · 179 · 179 N · 179 W · 179 N W · 179 BIG-1 · 179 XL · 179 N XL · 179 XXL · 179 N XXL · 179 A XXL · 179 T XXL · 180



1/3 +



1802 M-33



1841 M a-11



1850 M-33



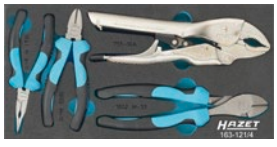
1803 M-11



1841 M b-33

HAZET No.	L x W mm		EAN-No. 4000896+
163-375/5	392x172	5	196838

Made in Germany



1/3



755-10 A



1802 M-33



1803 M-11



1841 M a-11

HAZET No.	L x W mm		EAN-No. 4000896+
163-121/4	342x172	4	153541

Components and spare parts
from page 482 to 490

163 Circlip pliers set

Made in Germany (E)



1/3


1845 A-19


1845 C-19


1845 B-19


1845 D-19

HAZET No.	L x W mm		EAN-No. 4000896+
163-124/4	342x172	4	153602

163 Pliers set

Made in Germany (E)



2/3


757-10


1841 a-22


1846 c-2


760-2


1846 a-2


1846 d-2


1802-22


1846 b-2


1850-22

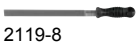
HAZET No.	L x W mm		EAN-No. 4000896+
163-424/9	344x342	9	202546

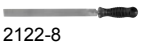
163 File set

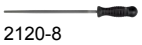
Made in Germany (E)

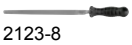


1/3


2119-8


2122-8


2120-8


2123-8

HAZET No.	L x W mm		EAN-No. 4000896+
163-426/4	342x172	4	202621

163 Hammer set

Made in Germany (E)



1/3


1952-28


2140-40


2142-1

HAZET No.	L x W mm		EAN-No. 4000896+
163-464/3	342x172	3	205059

163 Drift pin set

Made in Germany (E)

Suitable for HAZET *Assistent* with a drawer depth of 398 mm:
173 · 179 · 179 N · 179 W · 179 N W · 179 BIG-1 · 179 XL · 179 N XL · 179 XXL · 179 N XXL · 179 A XXL · 179 T XXL · 180



1/3 +

730
730-3 • 730-6


751 HS/5


2140-50

HAZET No.	L x W mm		EAN-No. 4000896+
163-510/8	392x172	8	215003

163 Universal set

Made in Germany (E)

Suitable for HAZET *Assistent* with drawer dimension of at least 398x694 mm:
179 XL · 179 N XL · 179 XXL · 179 N XXL
as well as 179 A XXL · 179 T XXL in the upper drawer



4/3+

730
730-3 • 730-7


740-3


746-2


748 B
748 b-2 • 748 b-3
748 b-4 • 748 b-5
748 b-6 • 748 b-8


751 HS/5


760-2


824 • ━
0.5x23


1802-33


1841 A-280


1841 a-33


1841 B-280

1841 b-33

1850-33

1953 N-40

2140-50

2142-2

HAZET No.	L x W mm		EAN-No. 4000896+
163-479/26	691x392	26	208104

Components and spare parts
from page 482 to 490

163 Universal set

Suitable for HAZET *Assistent* with a drawer depth of 398 mm:
173 · 179 · 179 N · 179 W · 179 N W · 179 BIG-1 · 179 XL ·
179 N XL · 179 XXL · 179 N XXL · 179 A XXL · 179 T XXL · 180



3/3+

426 • ◉
6 • 7

612 N • ◉
10 x 11

730
730-3 • 730-6

746-1

748 B
748 b-3 • 748 b-4
748 b-5 • 748 b-6
748 b-8

824 • ━
0.5 x 23

1952-40

2140-40

2152 N/3

2154 N-5

4968-2

HAZET No.	L x W mm		EAN-No. 4000896+
163-143/18	519x392	17	151929

163 Tool set · offset screwdriver · various tools



3/3

730
730-3 • 730-6

746-1

748 B
748 b-3 • 748 b-4
748 b-5 • 748 b-6

824 • ━
0.5 x 23

1952-35

1976

2105 Lg/9 H • ○

2140-50

2147 MS

2154-2

HAZET No.	L x W mm		EAN-No. 4000896+
163-60/22	519x342	22	122851

163 Universal set

Made in Germany
Suitable for HAZET *Assistent* with a drawer depth of 398 mm:
173 · 179 · 179 N · 179 W · 179 N W · 179 BIG-1 · 179 XL · 179 N XL ·
179 XXL · 179 N XXL · 179 A XXL · 179 T XXL · 180



1/3 +

730-3

740-3

746-2

748 B
748 b-2 • 748 b-3
748 b-4 • 748 b-5
748 b-6 • 748 b-8

1952-28

2140-50

HAZET No.	L x W mm		EAN-No. 4000896+
163-523/11	392x172	11	218714

Suitable for HAZET *Assistent* with a drawer depth of 398 mm:
173 · 179 · 179 N · 179 W · 179 N W · 179 BIG-1 · 179 XL ·
179 N XL · 179 XXL · 179 N XXL · 179 A XXL · 179 T XXL · 180



3/3+

612 N • ◉
10 x 11

666-5

730
730-3 • 730-6

746-1

748 B
748 b-3 • 748 b-4
748 b-5 • 748 b-6
748 b-8

824 • ━
0.5 x 23

1952-40

1976-2

1977-2/4

2140-40

2147 MS

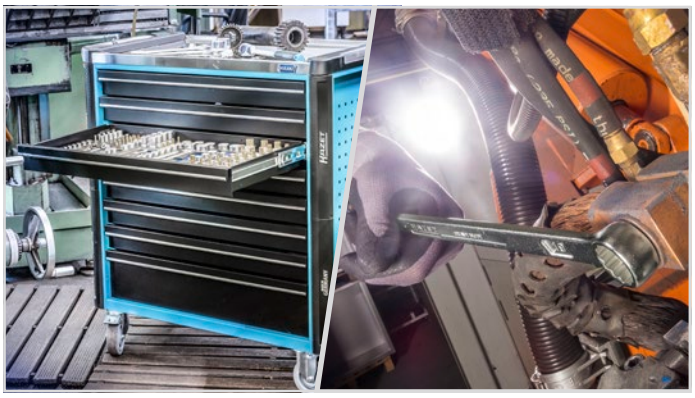
2152 N/3

2154 N-5

2157-1

4968-2

HAZET No.	L x W mm		EAN-No. 4000896+
163-372/25	519x392	25	196760



Components and spare parts
from page 482 to 490

163 Universal brake tool set



1/3



751 K HS-3



751 K HS-4

748 LGB
748 Lg b-3 • 748 Lg b-4

810 U-PH • ✪
PH 3



8801 K • ○ • 10 3/8
7



986 • ○ • 12 1/2
9



986 LG • ○ • 12 1/2
9 • 11



2584-8 • ○ • 10 3/8
8



2784 • ○ • 10 3/8
7



2901 G • ○ • 10 3/8
7



4968-2

4968-6

HAZET No.	L x W mm		EAN-No. 4000896+
163-548/14	342x172	14	224197

163 Pliers set · with protective insulation

Made in Germany

1000 V



1/3



1802 VDE-22



1804 VDE-33



1860 VDE-11

HAZET No.	L x W mm		EAN-No. 4000896+
163-227/3	342x172	3	177868

Made in Germany

1000 V



1/3



759 N-2 VDE



1803 VDE-22



1841 b VDE-33



1850 VDE-22

HAZET No.	L x W mm		EAN-No. 4000896+
163-226/4	342x172	4	177875



163 Open-end wrench set · with protective insulation

Made in Germany

1000 V

Suitable for HAZET *Assistent* with a drawer depth of 398 mm:
173 · 179 · 179 N · 179 W · 179 N W · 179 BIG-1 · 179 XL · 179 N XL · 179 XXL · 179 N XXL · 179 A XXL · 179 T XXL · 180



2/3+



450 KV • ✺
7 • 8 • 9 • 10 • 11
12 • 13 • 14 • 15 • 16
17 • 18 • 19 • 22 • 24
27 • 30 • 32

HAZET No.	L x W mm		EAN-No. 4000896+
163-542/18	392x344	18	223626

163 Box-end wrench set · with protective insulation

Made in Germany

1000 V

Suitable for HAZET *Assistent* with a drawer depth of 398 mm:
173 · 179 · 179 N · 179 W · 179 N W · 179 BIG-1 · 179 XL · 179 N XL · 179 XXL · 179 N XXL · 179 A XXL · 179 T XXL · 180



2/3+



630 KV • ✺
7 • 8 • 9 • 10 • 11
12 • 13 • 14 • 15 • 16
17 • 18 • 19 • 22 • 24
27 • 30 • 32

HAZET No.	L x W mm		EAN-No. 4000896+
163-543/18	392x344	18	223831

163 Socket set · with protective insulation

Suitable for HAZET *Assistent* with a drawer depth of 398 mm:
173 · 179 · 179 N · 179 W · 179 N W · 179 BIG-1 · 179 XL · 179 N XL · 179 XXL · 179 N XXL · 179 A XXL · 179 T XXL · 180

1000 V



2/3+



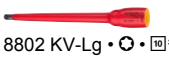
880 KV • ⬢ • 10 3/8
6 • 7 • 8 • 9 • 10
11 • 12 • 13 • 14 • 16
17 • 18 • 19 • 20 • 22



8801 K-KV • ○ • 10 3/8
5 • 6



8802 KV • ○ • 10 3/8
T 10 • T 15 • T 20
T 25 • T 27 • T 30
T 40 • T 45 • T 50



8802 KV-Lg • ○ • 10 3/8
T 10 • T 15 • T 20 • T 25
T 30 • T 40 • T 45 • T 50



8808 LgKV • ○ • 10 3/8
M 8 • M 10 • M 12



8816 KV • 10 3/8



8821 KV • 10 3/8 • 10 3/8
8821 KV-3 • 8821 KV-5

HAZET No.	L x W mm		EAN-No. 4000896+
163-545/41	392x344	41	223855

163 Socket set · with protective insulation

1000 V · 10 3/8"



1/3


880 KV • 10 3/8
6 • 7 • 8 • 9 • 10
11 • 12 • 13 • 14 • 16
17 • 18 • 19 • 20 • 22


8816 KV • 10 3/8


8821 KV • 10 3/8 • 10 3/8
8821 KV-3 • 8821 KV-5

HAZET No.	L x W mm		EAN-No. 4000896+
163-580/18	342x172	18	235520

Suitable for HAZET *Assistent* with a drawer depth of 398 mm:
173 · 179 · 179 N · 179 W · 179 N W · 179 BIG-1 · 179 XL · 179 N XL · 179 XXL · 179 N XXL · 179 A XXL · 179 T XXL · 180

1000 V · 125 1/2"



2/3+


900 KV • 125 1/2
10 • 11 • 12 • 13 • 14
15 • 16 • 17 • 18 • 19
20 • 22 • 23 • 24 • 26
27 • 30 • 32


986 LGKV • 125 1/2
4 • 5 • 6 • 8 • 10


916 KV • 125 1/2


917/918 KV • 125 1/2 • 125 1/2
917 KV-5 • 918 KV-10

HAZET No.	L x W mm		EAN-No. 4000896+
163-544/26	392x344	26	223848

163 Screwdriver set · with protective insulation

1000 V



1/3


810 VDE •
0.4x2.5 • 0.5x3 • 0.6x3.5 • 0.8x4


810 VDE-PH •
PH 1 • PH 2 • PH 3

HAZET No.	L x W mm		EAN-No. 4000896+
163-229/7	342x172	7	177844



163 Screwdriver set · with protective insulation

1000 V

2/3


810 VDE •
0.4x2.5 • 0.5x3
0.6x3.5 • 0.8x4


810 VDE-T •
T 20 • T 25 • T 30

839 •
0.5x2.8


810 VDE-PH •
PH 1 • PH 2 • PH 3

2156 VDE-2

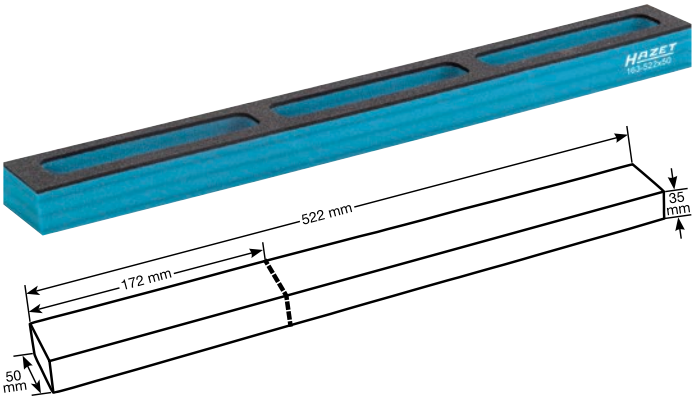


HAZET No.	L x W mm		EAN-No. 4000896+
163-546/12	344x342	12	223619

163 Soft foam insert · with compartments for small pieces

Made in Germany

- **Safety-Insert-System – all tools are snugly embedded**
- **Missing tools are noticed immediately**
- Suitable for all HAZET tool trolleys *Assistent* with drawers
- For *Assistent* 173 · 179 · 179 N(X) · 179 BIG-1 · 179 XL · 179 N XL · 179 N XXL · 179 W · 179 N W tool trolleys we recommend additionally using 163-522x40 or 163-522x50 soft foam inserts

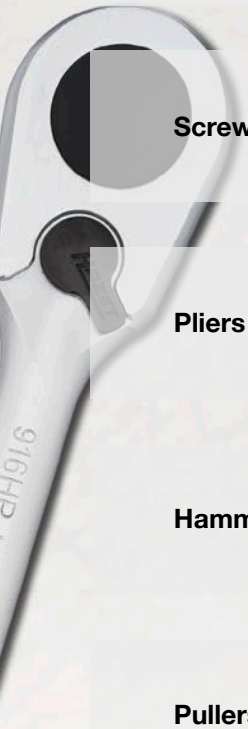




HAZET No.	L x W mm	EAN-No. 4000896+
2-component soft foam insert, empty		
163-130 L	342x172	153589
• 1 compartment for small pieces • H 33xW 172xD 50 mm • For *Assistent* 173 · 179 · 179 N(X) · 179 BIG-1 · 179 XL · 179 N XL · 179 N XXL · 179 W · 179 N W		
163-172x50	172x50	154692
• 3 compartments for small pieces • H 33xW 522xD 50 mm • For *Assistent* 173 · 179 · 179 N(X) · 179 BIG-1 · 179 XL · 179 N XL · 179 N XXL · 179 W · 179 N W		
163-522x50	522x50	141043

Components and spare parts from page 482 to 490


HAZET
2140-50
MADE IN GERMANY
HAZET
19
CHROM HAZET 600N VANADIUM
19
HAZET
HAZET
Made in Germany
HAZET



Wrenches	**106 – 118**
Range of Sockets	**119 – 177**
Screwdrivers / Bits	**178 – 206**
Pliers	**207 – 221**
Hammers / Chisels / Centre Punches	**222 – 228**
Pullers / Extractors	**229 – 238**
Grinding, Separation and Cutting	**239 – 243**
Thread Repair	**244 – 246**
Measurement	**247 – 248**
Tools with Protective Insulation / Tools for Electricians	**249 – 260**

Manufacturing process of a HAZET combination wrench



1 Cut to size



2 Forging



3 Blank trimmed



4 Blank sand blasted



5 Open-end head milled



6 Box-end head broached



7 Fine-ground (Heads and handle)



8 Hardened and tempered



9 Vibratory ground



10 Sand blasted



11 Heads polished



12 Nickel- and chrome-plated

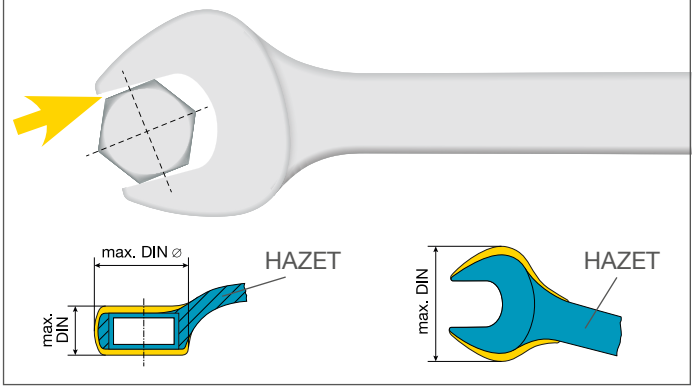
Wrench tolerances

Precision work for perfectly fitting nominal dimension

Tolerance achieved by HAZET



Permissible tolerance in accordance with DIN standard



HAZET wrench – high precision tightening and loosening of screw connections

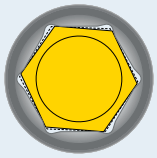
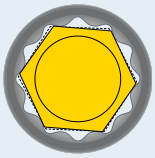
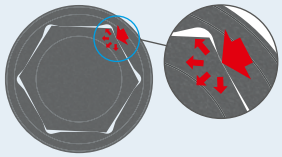
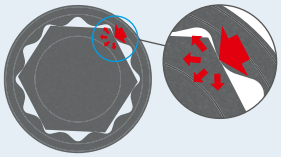
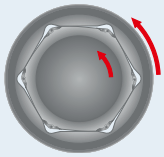
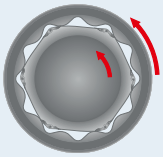
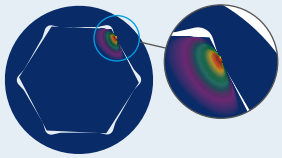
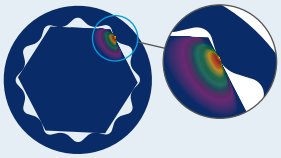
- Long service life due to:
  - High-quality chrome vanadium steel
  - Compacted material structure from drop forging
  - Careful heat treatment
  - Correct hardness and dimensional stability as guarantors of wear resistance and high load capacity
- Shape, dimensions and surface design are perfectly coordinated to one another which guarantees functional handling and meets ergonomic requirements
- **Slim construction** through optimum material composition guarantees sufficient freedom of movement even with hard-to-reach screw connections
- HAZET torque values are considerably higher than the DIN ISO requirements for all wrench sizes – here DIN is the minimum requirement
- Slim open-end and box-end head shape does not reduce the wrench's loading capacity, although this is well below the maximum permissible limit value according to DIN ISO

Components and spare parts
from page 482 to 490

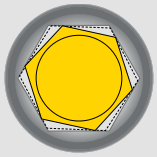
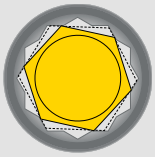
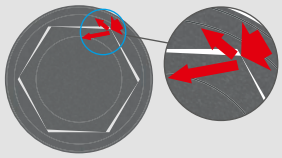
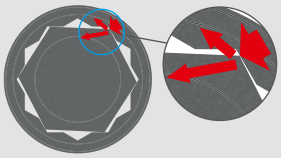
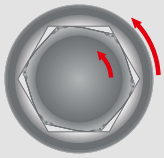
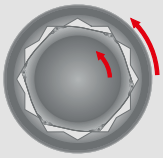
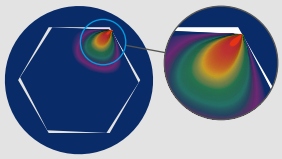
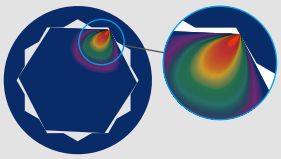
Comparison of the HAZET traction profile with conventional screw profiles

HAZET traction profile

The HAZET traction profile has been especially developed for HAZET wrenches without sharp edges or points. A strong and also safe transfer of torque is ensured by the protected contact surface of the traction profile in the screw head. This reduces the notching effect in the tool to a minimum and protects the screw head from damage, such as deformations or wearing of corners. Even damaged screws can still be turned safely and effectively, because slipping out and sliding off are virtually ruled out.

6-point	12-point	
		More secure friction lock thanks to protected contact surface (also for screws outside the tolerance).
		Equal distribution of force on the screw head edges. No straight turning of the screw head due to a changed point of application.
		Secure loosening of slightly damaged or worn screw heads thanks to a gentle transfer of torque. The tool is prevented from sliding out.
		Up to 20% higher torques thanks to an optimal friction lock.

Conventional screw profiles

6-point	12-point	
		Poorer friction lock due to an unprotected contact surface. Slipping out when working with screws poses the risk of injuries or damage to components. The torque can no longer be applied safely.
		Sharp edges or points increase the risk of a notching effect and in the worst cases can damage or destroy the screw profile of the tool.
		Due to the slipping out of the wrench with damaged (e.g. straight-turned) screw heads, the loosening process is made more difficult or impossible. An effective transfer of the required torque is no longer possible.
		Force acts primarily on the point of the screw profile. This isolated loading causes damage to the screw profile.

Components and spare parts
from page 482 to 490

Overview of HAZET wrenches

Which wrench in which size

Product group		Designation	Design	Wrench size			as set	
				metric mm	inches ″	TORX®		
	279	Open-end wrench, adjustable	• With scale	13 – 53	0.5 – 2.1			112
	440	Double open-end wrench	• Forged • Short, thin design	3.2 – 14			440/14 P	112
	450 N (A)	Double open-end wrench	• Slim heads • Shank with extra sturdy HAZET double-T-profile	4 x 5 – 46 x 50	¼ x 5/16 – 1.1/16 x 1.¼		450 N/10 450 N/12 450 N/8 RS 450 N/12 N RS 163-95/8	111
	600 N (A)	Combination wrench	• Long, slim design • Slim heads • Shank with extra sturdy HAZET double-T-profile	5.5 – 80	¼ – 1.½		600 N/12 N 600 N/17 N 600 N/21 600 N/30 163-98/17 163-292/8 600 N A/10 600 N A/12-1	112
	600 Lg	Combination wrench, extra long	• At least 25% longer than comparable standard wrenches • Better accessibility with low-lying screw connections	10 – 41			600 Lg/8 600 Lg/10 600 Lg/12 600 Lg/13	114
	603	Combination wrench	• Box-end head 10° offset	5.5 – 32			603/17 N 603/17 H 163-99/18	114
	606	Ratcheting combination wrench	• For the operation of screw connections in areas with restricted access	8 – 32			606 N/12 606 N/6 606/6-1 163-366/18 163-186/16 606/4 SPC 163-97/6	115
	610 N	Double box-end wrench	• Ergonomically shaped, heads offset	6 x 7 – 30 x 34			610 N/8 610 N/8 RS 610 N/12 RS 163-520/15	116
	630 (A)	Double box-end wrench	• Deep offset • Heads thin-walled	6 x 7 – 36 x 41	¼ x 5/16 – 1.1/16 x 1.¼		630/8 630/12 163-101/9 163-296/7	117
	612 (N)	Double box-end wrench (open)	• For tube connections, union nuts and male fittings for pipes	8 x 10 – 30 x 32				118
	609	TORX® double box-end wrench	• Straight design			E6 x E8 – E20 x E24		118
	848 Z	Box-end wrench, 12-point, open	10 3/8	17 – 27				142
			12 ½	30 – 46				154

Do you know?

HAZET tools have an elaborate surface



Why matt chrome-plated?

- The safer chrome plating because it adheres optimally to the steel
- Good grip, can even be securely held with dirty hands
- Glare-free look
- Looks subtle and elegant
- Double protection against corrosion

Tightening torques

Screw size / Thread	Quality range / Size mm	3.6 Nm	5.6 Nm	6.9 Nm	8.8 Nm	10.9 Nm	12.9 Nm	Minimum testing torque	
								Ring as per DIN Series A	Jaws as per DIN Series A
M6	10	3	4	8	10	14	17	58.1	24.8
M7	11	5	7	14	17	24	28	72.7	32.3
M8	13	8	10	21	25	35	42	107	51.6
M10	17	16	21	42	50	70	85	201	109
M12	19	28	38	73	87	122	147	261	149
M14	22	45	60	116	138	194	235	368	225
M16	24	59	93	178	210	299	357	451	287
M18	27	95	127	245	289	411	490	594	399
M20	30	135	180	348	411	578	696	760	536
M22	32	182	245	470	558	784	941	884	642
M24	36	230	308	598	710	1000	1196	1165	894
M27	41	343	460	887	1049	1480	1480	1579	1154
M30	46	465	622	1206	1421	2010	2402	2067	1453
M33	50	632	848	1627	1931	2716	3265	2515	1716
M36	55	813	1088	2098	2481	3491	4197	3140	2077
M39	60	1059	1412	2716	3226	4530	5442	3849	2471
M42	65	1304	1745	3363	3991	5609	6727	4021	2900
M45	70	1637	2177	4207	4991	7011	8414	4658	3364

Components and spare parts
from page 482 to 490

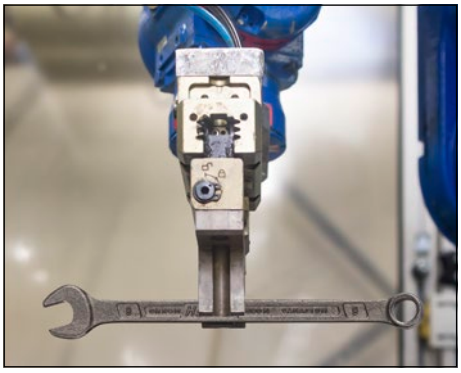
A well-made tool.



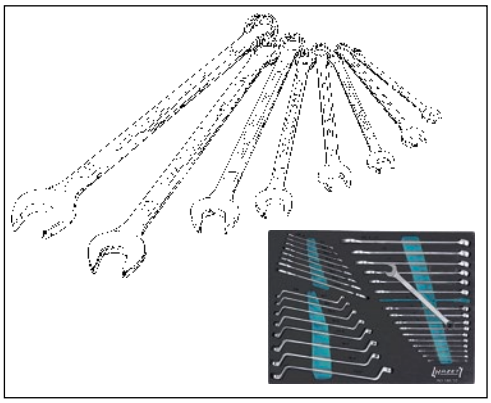








From HAZET!



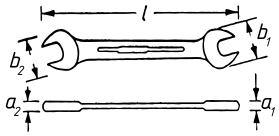


Components and spare parts
from page 482 to 490

450 N Double open-end wrench

Made in Germany
- Slim heads
- Shank with sturdy HAZET double-T-profile
- Head set at: 15°
- Surface: chrome-plated
- DIN 3110, ISO 10102





* = Not according to DIN

HAZET No.	l mm	a mm	b_1 mm	b_2 mm	EAN-No. 4000896+
450 N- 4x5 *	99.5	3.2	11.4	13.2	020683
450 N- 5x5.5 *	99.6	3.6	13.4	15.1	020706
450 N- 6x7	121.3	3.5	15.1	17.1	020713
450 N- 8x9	139	3.8	18.5	21	020744
450 N- 8x10	140.1	4.1	19	23.2	020737
450 N-10x11	155.7	4.6	23.2	25.2	020355
450 N-10x13	172	5.1	25.1	29.9	020362
450 N-12x13	172.7	5.1	27.1	29.1	020386
450 N-13x17	205.5	6	29.3	36	020423
450 N-14x15	187.8	5.7	30.9	32.8	020430
450 N-16x17	205.7	6	34.8	37	020454
450 N-16x18	205.7	6	34.8	38.3	020461
450 N-17x19	220.9	6.7	37.4	40.6	020478
450 N-18x19	221.2	6.7	38.6	40.6	020485
450 N-20x22 *	238.9	7	43.9	47.8	020515
450 N-21x22	238	7	44.8	46.8	020522
450 N-21x23 *	246	7.1	44.8	48.8	020539
450 N-22x24	254.6	7.1	47.8	51.9	020553
450 N-24x26 *	269.4	7.8	50.9	54.9	020560
450 N-24x27	269	7.8	50.9	57	020577
450 N-25x28 *	284.2	8.4	53.4	59	020584
450 N-27x32	303.8	9.1	58	67.3	020607
450 N-30x32	303.4	9	63.4	67.3	020614
450 N-32x36	343.2	10.1	66.9	75.2	020638
450 N-34x36	343.2	10.1	67.9	74.5	020645
450 N-36x41	396.7	10.5	74.6	81.1	020652
450 N-41x46	439.5	11.4	85.5	94.4	020669
450 N-46x50	498	12.3	94.3	102.2	020676

450 N Double open-end wrench set

Made in Germany
- Surface: chrome-plated
- DIN 3110, ISO 10102



HAZET No.		EAN-No. 4000896+
450 N • ◉ 6x7 • 8x9 • 10x11 • 12x13 • 14x15 • 16x17 • 18x19 • 21x22 • 24x26 • 27x32		
450 N/10	10	020751
450 N • ◉ 6x7 • 8x9 • 10x11 • 12x13 • 14x15 • 16x17 18x19 • 20x22 • 21x23 • 24x26 • 25x28 • 27x32		
450 N/12	12	020775

Made in Germany
- Suitable for wall fixation
- Plastic tool holder
- Surface: chrome-plated
- DIN 3110, ISO 10102

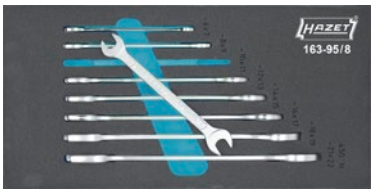


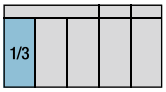
450 N Double open-end wrench set

◄

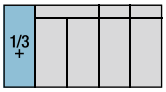
HAZET No.	L x W x H mm		EAN-No. 4000896+
450 N • ◉ 6x7 • 8x9 • 10x11 • 12x13 • 14x15 • 16x17 • 18x19 • 21x22			
450 N/8 RS	260x110x55	8	020867
• With carrying handle			
450 N • ◉ 6x7 • 8x9 • 10x11 • 12x13 • 14x15 • 16x17 18x19 • 20x22 • 21x23 • 24x27 • 25x28 • 30x32			
450 N/12 N RS	340x165x75	12	020805

Made in Germany
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent
- DIN 3110, ISO 10102





163-95/8



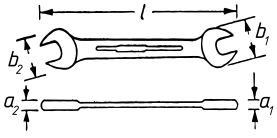
163-519/12

HAZET No.	L x W mm		EAN-No. 4000896+
450 N • ◉ 6x7 • 8x9 • 10x11 • 12x13 • 14x15 • 16x17 • 18x19 • 21x22			
163-95/8	342x172	8	145669
Suitable for HAZET *Assistent* with a drawer depth of 398 mm: 173 · 179 · 179 N · 179 W · 179 N W · 179 BIG-1 · 179 XL · 179 N XL · 179 XXL · 179 N XXL · 179 A XXL · 179 T XXL · 180			
450 N • ◉ 6x7 • 8x9 • 10x11 • 12x13 • 14x15 • 16x18 17x19 • 20x22 • 21x23 • 24x27 • 30x32 • 34x36			
163-519/12	392x172	12	218684

450 NA Double open-end wrench

Made in Germany
- Slim heads
- Shank with sturdy HAZET double-T-profile
- Head set at: 15°
- **American dimensions**
- Surface: chrome-plated
- DIN 895





HAZET No.	l mm	a mm	b_1 mm	b_2 mm	EAN-No. 4000896+
450 N A-¼x5/16 VKH	129.9	3	17.1	18.5	020911
450 N A-5/16x⅜ VKH	140.1	4.1	19	23.2	020973
450 N A-⅜x7/16 VKH	155.7	4.6	23.2	25.2	020966
450 N A-½x9/16 VKH	172.4	5.1	30.1	31	020904
450 N A-9/16x⅝ VKH	189.8	5.7	32.4	35.4	021000
450 N A-19/32x11/16 VKH	205.7	6	34.8	38.3	020935
450 N A-⅝x¾ VKH	220.9	6.7	37.4	40.6	020980
450 N A-25/32x⅞ VKH	238.9	7	43.9	47.8	020959
450 N A-⅞x15/16 VKH	254.6	7.1	47.8	51.9	020997
450 N A-15/16x1 VKH	269.4	7.8	50.9	54.9	020928
450 N A-1x1.⅛ VKH	284.2	8.4	53.4	59	020942
450 N A-1.1/16x1.¼ VKH	303.8	9	58	67.3	020881

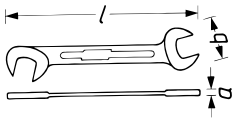
Components and spare parts from page 482 to 490

440 Double open-end wrench

Made in Germany

- Forged design
- Same wrench sizes
- Short, thin style
- Head set at: 15° x 75°
- Surface: chrome-plated





HAZET No.	l mm	a mm	b mm	EAN-No. 4000896+
440- 3.2	70	2	10.5	020119
440- 3.5	70	2	10.5	020126
440- 4	70	2	10.5	020133
440- 4.5	70	2	10.5	020140
440- 5	78	2	12.6	020157
440- 5.5	78	2	12.6	020164
440- 6	78	2	12.6	020171
440- 7	91	2	14.7	020188
440- 8	96	3	16.8	020195
440-10	105	3	21	020065
440-11	116	3	24.2	020072
440-12	116	3	24.2	020089
440-13	131	3	28.3	020096
440-14	131	3	28.3	020102

440 Double open-end wrench set

Made in Germany

- Plastic roll





440 • ◉
3.2 • 3.5 • 4 • 4.5 • 5 • 5.5
6 • 7 • 8 • 10 • 11 • 12 • 13 • 14

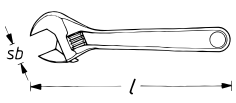
HAZET No.		EAN-No. 4000896+
440/14 P	14	178759

279 Open-end wrench · adjustable

• Adjustable wrench

- With scale
- Head set at: 15°
- Surface: phosphatized, mirror highly polished
- ISO 6787





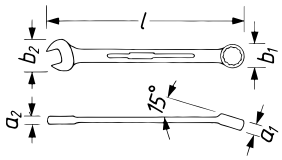
HAZET No.	l mm	sb mm	EAN-No. 4000896+
279- 4	109	13	018086
279- 6	158	18	018093
279- 8	205	23	018109
279-10	255	28	018048
279-12	308	34	018055
279-15	382	43	018062
279-18	458	53	018079

600 N Combination wrench

Made in Germany

- Long, slim design
- Slim heads
- Shank with sturdy HAZET double-T-profile
- Box-end head angled at 15°
- Surface: chrome-plated, head polished
- DIN 3113 form A, ISO 3318, ISO 7738





* = Not according to DIN

HAZET No.		l mm	a1 mm	a2 mm	b1 mm	b2 mm	EAN-No. 4000896+
600 N- 5.5	*	105	6	4	9.6	15.5	023288
600 N- 6		105	6	4	9.6	15.5	023295
600 N- 7		118.5	6.6	4	10.9	17.5	023301
600 N- 8		130	7	4.5	12	18.5	023318
600 N- 9		143	8	4.5	13.7	21	023325
600 N-10		154.5	8	5	15	23	023028
600 N-11		168.5	8.4	5.5	15.9	25.5	023035
600 N-12		180.5	9	5.5	17.8	27.5	023042
600 N-13		193	10	6.3	19	29	023059
600 N-14		204.5	10	6.5	20.1	31	023073
600 N-15		218	11	7	21.4	32.5	023080
600 N-16		230.5	11.4	7	23.1	35	023097
600 N-17		242.5	12.4	7.5	24.5	37	023103
600 N-18		255	13	8	26	39	023110
600 N-19		268.5	13.5	8	27.5	41	023127
600 N-20	*	279.5	13.5	8.5	29	43	023134
600 N-21		292	13.7	8.5	30	45	023141
600 N-22		304.5	14	8.5	31.5	47	023158
600 N-23	*	328	14.3	9.5	33	49	023165
600 N-24		328	14.7	9.5	34.5	51	023172
600 N-25	*	354	15	10	36	53.5	023189
600 N-26	*	354	15.5	10	37.5	55	023196
600 N-27		380	16	10.5	39	57	023202
600 N-28	*	380	16.5	11	40.5	59	023219
600 N-29	*	380	17	11.5	41.5	60	023226
600 N-30		405.5	17.5	12.2	43	63	023233
600 N-32		420	18	12	45.5	66.5	023240
600 N-34		432	19	13	48.5	67	023257
600 N-36		460	20	13	51.8	75	023264
600 N-41		500	20.6	14	58.8	85	023271

* = Not according to DIN

HAZET No.		l mm	a1 mm	a2 mm	b1 mm	b2 mm	EAN-No. 4000896+
• Box-end head 10° offset							
• DIN 3113 form B, ISO 3318, ISO 7738							
600 N-46		520	24	15	69	95	048564
600 N-50		560	26	16.5	75	103	048571
600 N-55		610	28	18	84.5	113	048588
600 N-60		660	31	20	90	123	048595
600 N-65	*	710	33	22	98	133	048601
600 N-70	*	760	35	24	105	143	048618
600 N-75	*	810	38	26	110	153	048625
600 N-80	*	860	41	28	119	163	048632



Components and spare parts from page 482 to 490

600 N Combination wrench set

Made in Germany
- Surface: chrome-plated, head polished
- DIN 3113 form A, ISO 3318, ISO 7738

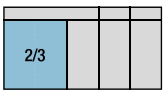


HAZET No.		EAN-No. 4000896+
600 N • ◉ 10 • 11 • 12 • 13 • 14 • 15 • 16 • 17 • 18 • 19 • 21 • 22		
600 N/12 N	12	023332
600 N • ◉ 7 • 8 • 9 • 10 • 11 • 12 • 13 • 14 • 15 • 16 • 17 • 18 • 19 • 21 • 22 • 24 • 27		
600 N/17 N	17	023349
600 N • ◉ 6 • 7 • 8 • 9 • 10 • 11 • 12 • 13 • 14 • 15 • 16 17 • 18 • 19 • 21 • 22 • 24 • 27 • 30 • 32 • 34		
600 N/21	21	023356
600 N • ◉ 5.5 • 6 • 7 • 8 • 9 • 10 • 11 • 12 • 13 • 14 • 15 • 16 • 17 • 18 • 19 20 • 21 • 22 • 23 • 24 • 25 • 26 • 27 • 28 • 29 • 30 • 32 • 34 • 36 • 41		
600 N/30	30	023363

600 N Tool set in Safety-Insert-System

Made in Germany
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent
- DIN 3113 form A, ISO 3318, ISO 7738

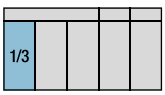




HAZET No.	L x W mm		EAN-No. 4000896+
600 N • ◉ 6 • 7 • 8 • 9 • 10 • 11 • 12 • 13 • 14 • 15 • 16 • 17 • 18 • 19 • 21 • 22 • 24			
163-98/17	344 x 342	17	145690

Made in Germany
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent
- DIN 3113 form A, ISO 3318, ISO 7738



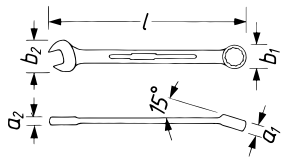


HAZET No.	L x W mm		EAN-No. 4000896+
600 N • ◉ 10 • 11 • 13 • 14 • 15 • 17 • 19 • 22			
163-292/8	342 x 172	8	186372

600 NA Combination wrench

Made in Germany
- Long, slim design
- Slim heads
- Shank with sturdy HAZET double-T-profile
- Box-end head angled at 15°
- **American dimensions**
- Surface: chrome-plated





HAZET No.	l mm	a_1 mm	a_2 mm	b_1 mm	b_2 mm	EAN-No. 4000896+
600 N A-¼	105	6	4	9.6	15.1	023493
600 N A-5/16	130	7	4.5	12	18.3	023554
600 N A-⅜	154.5	8	5	15	23.1	023547
600 N A-7/16	168.5	8.4	5.5	15.9	25.3	023578
600 N A-½	193	10	6.3	19	29.1	023486
600 N A-9/16	204.5	10	6.5	20	30.9	023592
600 N A-⅝	230	11.4	7	23.1	34.7	023561
600 N A-11/16	242.5	12.4	7.5	25	36.6	023509
600 N A-¾	268	13.5	8	27.5	40.6	023530
600 N A-13/16	292	13.7	8.5	30	44.6	023516
600 N A-⅞	304	14	8.5	31.5	46.8	023585
600 N A-15/16	328	14.7	9.5	34.5	50.7	023523
600 N A-1	354	15.5	10	37.5	54.7	023400
600 N A-1.⅛	380	17	11.5	41.5	59.7	023448
600 N A-1.¼	420	18	12	45.2	66.4	023431
600 N A-1.5/16	432	19	13	48.5	66.7	023462
600 N A-1.½	486	20.5	13.7	54.7	77.1	023424

600 NA Combination wrench set

Made in Germany
- Long, slim design
- Slim heads
- Shank with sturdy HAZET double-T-profile
- Box-end head angled at 15°
- **American dimensions**
- Surface: chrome-plated



HAZET No.		EAN-No. 4000896+
600 NA • ◉ ¼ • 5/16 • ⅜ • 7/16 • ½ • 9/16 • ⅝ • ¾ • ⅞ • 1		
600 N A/10	10	023608
600 NA • ◉ ¼ • 5/16 • ⅜ • 7/16 • ½ • 9/16 • ⅝ • ¾ • ⅞ • 1 • 1.⅛ • 1.5/16		
600 N A/12-1	12	023615



Components and spare parts from page 482 to 490

600 LG Combination wrench · extra long

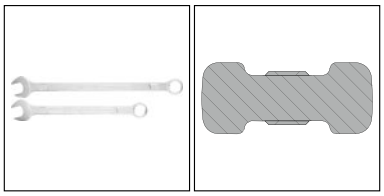
Made in Germany

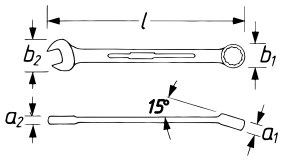
- **Loading capacity at least twice as high as DIN**

- **At least 25% longer** than comparable standard wrenches – for greater power transmission
- Better accessibility with low-lying screw connections
- Shank with extra sturdy double-T-profile slim design
- Surface: chrome-plated

YouTube Clip







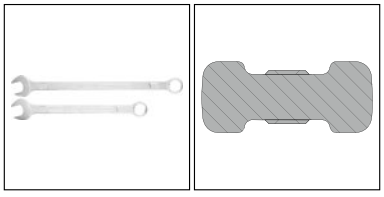
HAZET No.	l mm	a1 mm	a2 mm	b1 mm	b2 mm	EAN-No. 4000896+
600 Lg-10	210	8.5	5.5	16.5	23.1	197644
600 Lg-11	220	9	5.5	18	25.1	199518
600 Lg-12	230	9.5	6	19.5	27	199501
600 Lg-13	245	10	6	20.8	29.1	198238
600 Lg-14	255	11	6.5	22.5	30.9	197651
600 Lg-15	270	11.6	7	23.8	32.6	209958
600 Lg-16	290	12	7	25.2	34.7	209200
600 Lg-17	305	12.5	7.5	26.5	36.6	197668
600 Lg-18	320	13.8	8	28	38.6	209194
600 Lg-19	335	15	8.5	29.5	40.6	198245
600 Lg-21	365	15.8	8.5	32	44.6	209965
600 Lg-22	380	16	9	33.7	46.8	199525
600 Lg-24	430	18	10	36.5	50.7	198252
600 Lg-27	480	20	11	40.5	56.6	198269
600 Lg-30	510	21	12	45.1	63.1	199723
600 Lg-32	530	21.5	12	47.6	66.4	197675
600 Lg-36	580	24	13	53	74.6	205745
600 Lg-41	600	26	14	60.4	84.9	205738

Made in Germany

- **Loading capacity at least twice as high as DIN**

- **At least 25% longer** than comparable standard wrenches – for greater power transmission
- Better accessibility with low-lying screw connections
- Shank with extra sturdy double-T-profile slim design
- Surface: chrome-plated





YouTube Clip

►

600 LG Combination wrench · extra long

◄

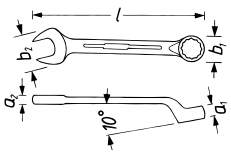
HAZET No.		EAN-No. 4000896+
600 LG • ⬣ 10 • 13 • 14 • 17 • 19 • 24 • 27 • 32		
600 Lg/8	8	199938
600 LG • ⬣ 10 • 11 • 12 • 13 • 14 • 15 • 16 • 17 • 18 • 19		
600 Lg/10	10	218424
600 LG • ⬣ 10 • 11 • 12 • 13 • 14 • 17 • 19 • 22 • 24 • 27 • 30 • 32		
600 Lg/12	12	202492
600 LG • ⬣ 10 • 11 • 12 • 13 • 14 • 15 • 16 • 17 • 18 • 19 • 21 • 22 • 24		
600 Lg/13	13	218417

603 Combination wrench

Made in Germany

- Box-end head 10° offset
- Head setting: 15°
- Surface: chrome-plated
- DIN 3113 form B, ISO 3318, ISO 7738





\+ = box-end with hexagon opening
* = 603-5.5 not according to DIN

HAZET No.	l mm	a1 mm	a2 mm	b1 mm	b2 mm	EAN-No. 4000896+
603- 5.5 +*	90	4.7	3.7	9.8	14.1	023929
603- 6 +	100	5.1	4	10.5	14.9	023950
603- 7 +	110	5.5	4.3	12.2	16.8	023981
603- 8 +	120	5.9	4.5	13.1	18.3	024018
603- 9 +	130	6.3	4.5	14.6	21	024025
603-10	137	6.7	5	15.6	23	023691
603-11	145	7.1	5.2	17.1	25	023714
603-12	152	7.6	5.4	18.4	26.8	023721
603-13	160	8	5.6	19.9	28.8	023738
603-14	170	8.5	5.8	21.4	30.7	023752
603-15	180	9	6	22.5	32.6	023769
603-16	190	9.5	6.2	24	34.6	023776
603-17	200	10	6.4	25.5	36.5	023783
603-18	210	10.5	6.7	26.9	38.6	023790
603-19	220	11	7	28.4	40.6	023806
603-21	240	12	7.6	30.7	44.8	023820
603-22	250	12.5	7.9	32.2	46.8	023837
603-24	270	13.5	8.5	35.1	51	023844
603-27	305	15	9.3	38.5	57.3	023868
603-30	340	16	10	42.7	63.4	050260
603-32	360	17	10.5	45.5	67.2	023882

603 Combination wrench set

Made in Germany

- Surface: chrome-plated
- DIN 3113 form B, ISO 3318, ISO 7738



HAZET No.		EAN-No. 4000896+
603 • ⬣ 7 • 8 • 9 • 10 • 11 • 12 • 13 • 14 • 15 • 16 • 17 • 18 • 19 • 21 • 22 • 24 • 27		
603/17 N	17	024063

603 Combination wrench set

Made in Germany

- Surface: chrome-plated
- DIN 3113 form B, ISO 3318, ISO 7738

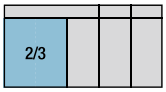


HAZET No.		EAN-No. 4000896+
• In clip for wall fixation		
603 • ● 6 • 7 • 8 • 9 • 10 • 11 • 12 • 13 • 14 • 15 • 16 • 17 • 18 • 19 • 21 • 22 • 24		
603/17 H	17	024049

Made in Germany

- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent
- DIN 3113 form B, ISO 3318, ISO 7738





HAZET No.	L x W mm		EAN-No. 4000896+
603 • ● 6 • 7 • 8 • 9 • 10 • 11 • 12 • 13 • 14 • 15 • 16 • 17 • 18 • 19 • 21 • 22 • 24 • 27			
163-99/18	344 x 342	18	145706

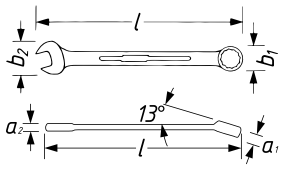
606 Ratcheting combination wrench

- **Operation of screw connections in areas with restricted access, ratchet function enables continuous working**

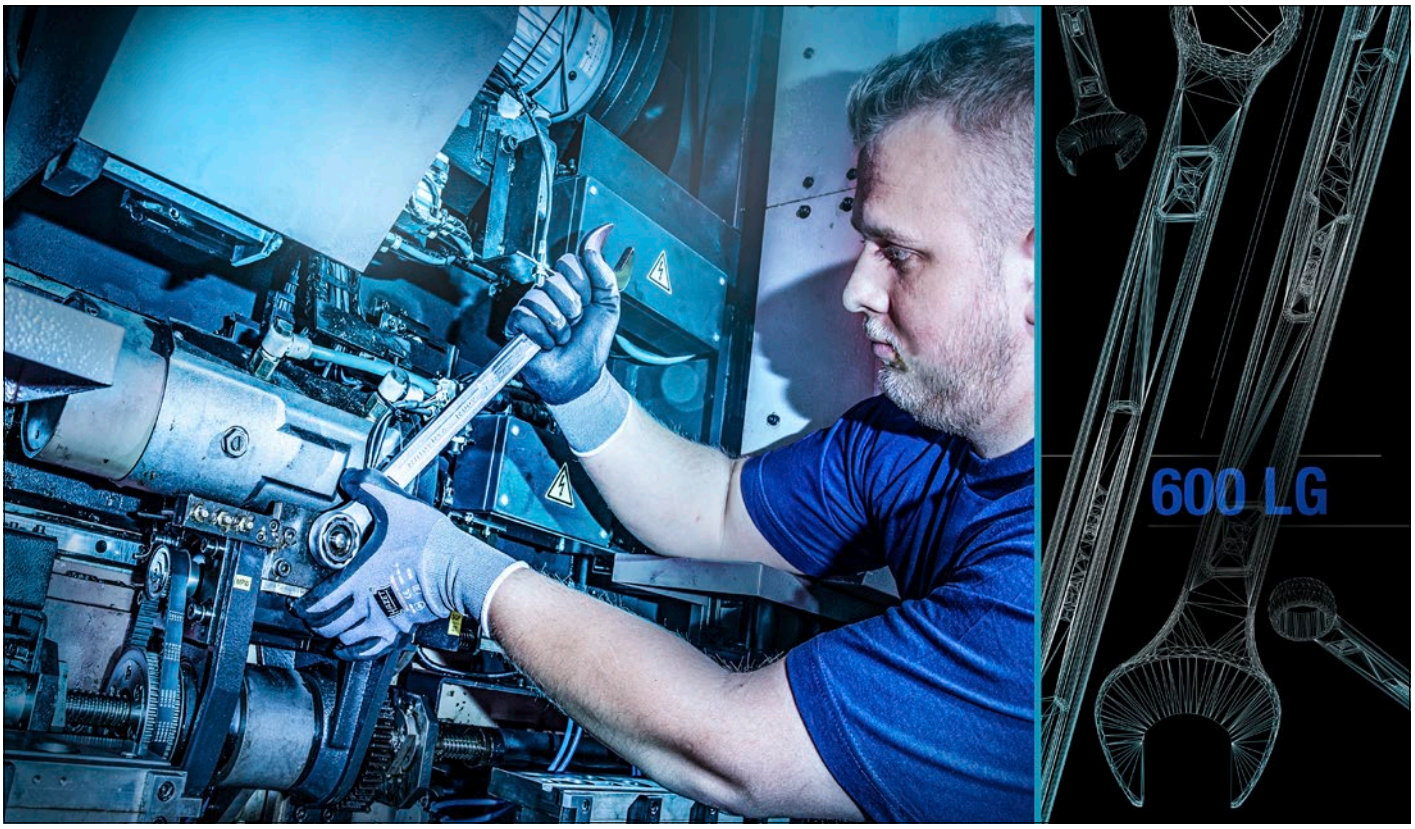
- Long, slim design
- Shank with sturdy HAZET double-T-profile
- Box-end wrench with reversible ratchet
- Fine-tooth, 72 teeth, **rotation angle 5°** *s* 8 and 9 mm: 60 teeth, rotation angle 6°
- Box-end side 13° offset
- Head set at: 15°
- Surface: chrome-plated







HAZET No.	l mm	a_1 mm	a_2 mm	b_1 mm	b_2 mm	EAN-No. 4000896+
606- 8	129.9	6.8	4.9	16.8	16.7	100941
606- 9	143	7.2	5.2	18.5	18.8	100958
606-10	154.5	7.6	5.6	20.1	20.9	100965
606-11	168.6	8	6	21.7	23	100972
606-12	180.3	8.5	6.4	22.9	25.9	100989
606-13	193.2	8.9	6.7	24.9	27.2	100996
606-14	204.6	9.3	7.1	27.2	29.3	101009
606-15	218	9.7	7.4	28.6	31.3	101016
606-16	230.2	10.2	7.7	30.1	33.4	101023
606-17	242.2	10.6	8.1	32	35.5	101030
606-18	255	11	8.5	32.9	37.6	101047
606-19	268.3	11.5	9.1	34.1	39.7	101054
606-21	291.5	13.3	12	44.3	48.3	151233
606-22	291.5	13.3	12	44.3	48.3	151028
606-24	333.1	14.8	12.5	51.2	53.5	151011
606-27	359.2	15.8	14.7	54.9	60.2	151004
606-30	402.5	17.3	15.2	60.8	67	150991
606-32	425.8	17.8	15.7	64.2	71	150984



Components and spare parts from page 482 to 490

606 Ratcheting combination wrench set

• Surface: chrome-plated



HAZET No.		EAN-No. 4000896+
606 • 21 • 22 • 24 • 27 • 30 • 32		
606/6-1	6	175178

606 N Ratcheting combination wrench set

• Plastic box 165-L (1/3)
• Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent
• Surface: chrome-plated

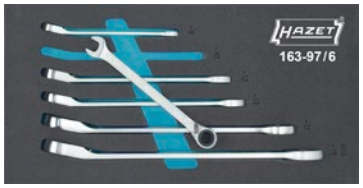


1/3

HAZET No.	L x W x H mm		EAN-No. 4000896+
606 N • 8 • 9 • 10 • 11 • 12 • 13 • 14 • 15 • 16 • 17 • 18 • 19			
606 N/12	355x235x65	12	197378
606 N • 8 • 10 • 12 • 13 • 17 • 19			
606 N/6	355x235x65	6	196937

606 Ratcheting combination wrench set

• Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent



606 Ratcheting combination wrench set

1/3 — 163-97/6
1/3 + — 163-515/16
3/3 — 163-366/18

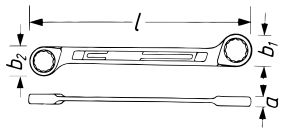
HAZET No.	L x W mm		EAN-No. 4000896+
606 • 8 • 10 • 12 • 13 • 17 • 19			
163-97/6	342x172	6	145683
Suitable for HAZET Assistent with a drawer depth of 398 mm: 173 · 179 · 179 N · 179 W · 179 N W · 179 BIG-1 · 179 XL · 179 N XL · 179 XXL · 179 N XXL · 179 A XXL · 179 T XXL · 180			
606 • 8 • 9 • 10 • 11 • 12 • 13 • 14 • 15 • 16 • 17 • 18 • 19 • 606/4 SPC			
163-515/16	392x172	16	218721
606 • 8 • 9 • 10 • 11 • 12 • 13 • 14 • 15 • 16 • 17 • 18 • 19 • 21 • 22 • 24 • 27 • 30 • 32			
163-366/18	519x342	18	196920

610 N Double box-end wrench

Made in Germany

• Ergonomically shaped, heads offset
• Shank with sturdy HAZET double-T-profile
• Surface: chrome-plated, head polished
• DIN 837 form B, ISO 10103





* = Not according to DIN

HAZET No.		l mm	a mm	b_1 mm	b_2 mm	EAN-No. 4000896+
610 N- 6x7		97.9	4.5	9.6	11	024940
610 N- 8x9		113.3	5.2	12.3	13.6	024957
610 N-10x11		125.3	6	14.9	16.2	024735
610 N-12x13		139	6.2	17.8	18.9	024742
610 N-14x15		154.5	7	20.2	21.5	024780
610 N-16x17		170	7.5	22.7	24.1	024797
610 N-18x19		188.6	8.5	26	27	024827
610 N-20x22	*	208.8	9	28.4	30.4	024834
610 N-21x22	*	232.3	10	29.8	32.2	024841
610 N-21x23	*	232.3	10	29.8	32.7	024858
610 N-24x26	*	254	11	34.1	37	024872
610 N-25x28	*	280.1	11.5	35.5	39.8	024896
610 N-27x32		308.7	13	38.9	45.4	024902
610 N-30x32		324.1	13	42.7	45.4	024919
610 N-30x34		326.7	14	42.7	48	024926

Made in Germany

• Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent
• DIN 837 form B, ISO 10103

1/3 +



HAZET No.	L x W mm		EAN-No. 4000896+
Suitable for HAZET Assistent with a drawer depth of 398 mm: 173 · 179 · 179 N · 179 W · 179 N W · 179 BIG-1 · 179 XL · 179 N XL · 179 XXL · 179 N XXL · 179 A XXL · 179 T XXL · 180			
610 N • 6x7 • 8x9 • 10x11 • 12x13 • 14x15 • 16x17 • 18x19 • 20x22 21x22 • 21x23 • 24x26 • 25x28 • 27x32 • 30x32 • 30x34			
163-520/15	392x172	15	218677

Components and spare parts from page 482 to 490

610 N Double box-end wrench set

Made in Germany
- Surface: chrome-plated, head polished
- DIN 837 form B, ISO 10103



HAZET No.		EAN-No. 4000896+
610 N • ⬢		
6x7 • 8x9 • 10x11 • 12x13 • 14x15 • 16x17 • 18x19 • 21x22		
610 N/8	8	024995

Made in Germany
- Suitable for wall fixation
- Plastic tool holder
- Surface: chrome-plated, head polished
- DIN 837 form B, ISO 10103

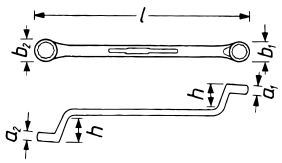


HAZET No.	L x W x H mm		EAN-No. 4000896+
610 N • ⬢			
6x7 • 8x9 • 10x11 • 12x13 • 14x15 • 16x17 • 18x19 • 21x22			
610 N/8 RS	260x110x55	8	025008
• With carrying handle			
610 N • ⬢			
6x7 • 8x9 • 10x11 • 12x13 • 14x15 • 16x17			
18x19 • 20x22 • 21x23 • 24x26 • 25x28 • 27x32			
610 N/12 RS	340x165x75	12	024988

630 Double box-end wrench

Made in Germany
- Deep offset
- Heads thin-walled
- Surface: chrome-plated, head polished
- DIN 838, ISO 10104





\+ = Matt chrome-plated
* = Not according to DIN

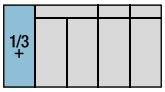
HAZET No.		l mm	h mm	a1 mm	a2 mm	b1 mm	b2 mm	EAN-No. 4000896+
630- 6x7		165	18	6	6.5	10.5	12.2	026555
630- 8x9		180	20.5	7	7.5	13.1	14.6	026579
630-10x11		200	23.5	8	9	15.6	17.1	026227
630-12x13		220	25	9	9.5	18.4	19.9	026241
630-14x15		240	27	10	10.5	21.4	22.5	026296
630-16x17		255	29	11	11.3	24	25.5	026302

630 Double box-end wrench

HAZET No.		l mm	h mm	a1 mm	a2 mm	b1 mm	b2 mm	EAN-No. 4000896+
630-17x19		265	29	11.3	11.9	25.5	28.4	026326
630-18x19		265	31	11.6	11.9	26.9	28.4	026333
630-20x22	*	295	32.5	12.2	12.9	29.3	32.2	026364
630-21x22		295	32.5	12.9	12.9	30.7	32.2	026371
630-21x23	*	315	34	12.5	13.2	30.7	33.6	026388
630-24x26	*	330	34	13.5	14.1	35.1	37.1	026401
630-24x27		340	35	13.5	14.4	35.1	38.5	026418
630-25x28	*	350	35	13.8	14.7	36.5	39.9	026432
630-27x32		365	36.5	14.4	16	38.5	45.5	026463
630-30x32		365	36.5	15.4	16	42.7	45.5	026470
630-36x41	+	440	40	17.2	18.8	51.3	58.2	026517

630 Double box-end wrench set

Made in Germany
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent
- DIN 838, ISO 10104





HAZET No.	L x W mm		EAN-No. 4000896+
Suitable for HAZET Assistent with a drawer depth of 398 mm: 173 · 179 · 179 N · 179 W · 179 N W · 179 BIG-1 · 179 XL · 179 N XL · 179 XXL · 179 N XXL · 179 A XXL · 179 T XXL · 180			
630 • ⬢			
6x7 • 8x9 • 10x11 • 12x13 • 14x15 • 16x17 • 18x19 • 20x22 • 21x23			
163-518/9	392x172	9	218707

Made in Germany
- Surface: chrome-plated, head polished
- DIN 838, ISO 10104



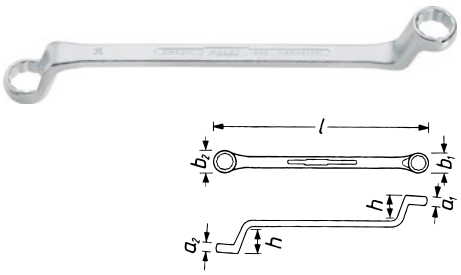
HAZET No.		EAN-No. 4000896+
630 • ⬢		
6x7 • 8x9 • 10x11 • 12x13 • 14x15 • 16x17 • 18x19 • 21x22		
630/8	8	026654
630 • ⬢		
6x7 • 8x9 • 10x11 • 12x13 • 14x15 • 16x17		
18x19 • 20x22 • 21x23 • 24x26 • 25x28 • 27x32		
630/12	12	026593

Components and spare parts from page 482 to 490

630 A Double box-end wrench

Made in Germany

- Deep offset
- Heads thin-walled
- **American dimensions**
- Surface: chrome-plated, head polished
- ISO 1085



HAZET No.	l mm	h mm	a1 mm	a2 mm	b1 mm	b2 mm	EAN-No. 4000896+
630 A-1/4x5/16	170	19.5	6.6	7	12.2	13.1	026722
630 A-3/8x7/16	200	23.5	8	9	15.6	17.1	026807
630 A-1/2x9/16	230	26	9.5	10.5	19.9	22.5	026715
630 A-19/32x11/16	255	29	10.8	11.5	22.7	26.5	026753
630 A-5/8x3/4	265	29	11	11.9	24	28.4	026821
630 A-3/4x7/8	295	32.5	11.9	12.9	28.4	32.2	026791
630 A-25/32x13/16	295	32.5	12.2	12.5	29.3	30.2	026777
630 A-15/16x1	330	34	13.5	14.1	35.1	37.1	026746
630 A-1x1.1/8	350	36.5	14.1	15.6	36.3	42.1	026760
630 A-1.1/16x1.1/4	365	36.5	14.8	16.4	39.4	46.5	026692

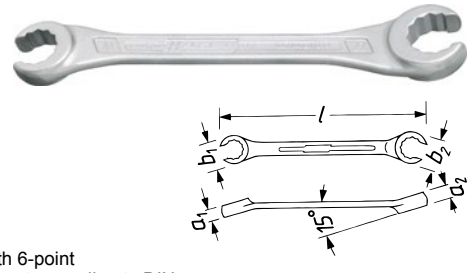
612 Double box-end wrench · open

Made in Germany

- For tube connections, union nuts and male fittings for pipes
- Heads angled at 15°
- Jaw opening 15° slotted
- Shank with sturdy HAZET double-T-profile

Note: Wrenches for working on brake lines see HAZET 612 N

- Surface: chrome-plated
- DIN 3118



\+ = 612-8x10 to 12x14 with 6-point
* = 612-13x15 and 16x18 not according to DIN

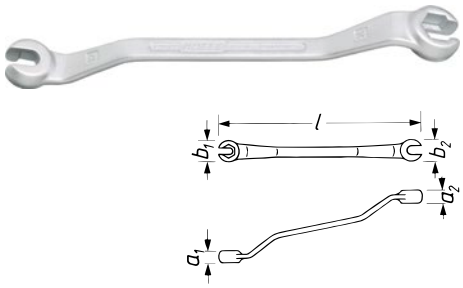
HAZET No.		l mm	a1 mm	a2 mm	b1 mm	b2 mm	EAN-No. 4000896+
612- 8x10	+	140	7	8	18	20	025206
612-10x11	+	147	8	8.7	20	22	025091
612-11x13	+	160	8.7	9.8	22	26	025107
612-12x14	+	168	9.2	10.3	24	28	025114
612-13x15	*	182	9.8	10.9	26	29	025121
612-16x18	*	208	12	13.2	30	32	025145
612-17x19		208	12	13.2	30	32	025152
612-19x22		222	13.8	15.8	34.5	40.5	025169
612-24x27		260	16.2	18	42	46	025183
612-30x32		300	21	23	50	52	025190



612 N Double box-end wrench · open

Made in Germany

- **For screwed connections on lines**
- **Reinforced design**
- Offset design (15° and 40°)
- With 6-point
- Straight slot
- Surface: chrome-plated

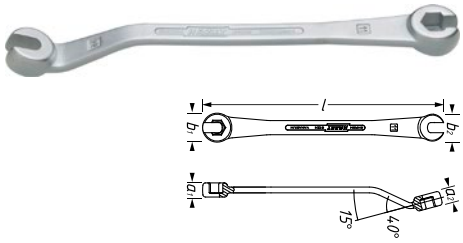


HAZET No.	l mm	a1 mm	a2 mm	b1 mm	b2 mm	EAN-No. 4000896+
612 N-10x11	172	11	11	20	21.5	025428
612 N-11x13	185.5	11.5	11.5	21.5	24.5	025435
612 N-12x14	198.5	11.5	11.5	23.2	26	025442

612 N Brake line wrench · open

Made in Germany

- **Reinforced design**
- Straight design for the operation of the brake line / hose fitting at the front axle
- Offset design for the safe operation of the brake line screwing at the wheel brake cylinder, past the circumferential edge of the anchor plate
- Anti-slipping
- Straight slot / with 6-point
- Surface: chrome-plated

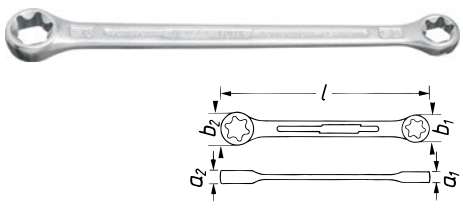


HAZET No.	l mm	a1 mm	a2 mm	b1 mm	b2 mm	EAN-No. 4000896+
612 N-11	177.7	11	11	20	21.5	129133

609 TORX® double box-end wrench

Made in Germany

- Straight design
- Surface: chrome-plated, head polished



HAZET No.	l mm	a1 mm	a2 mm	b1 mm	b2 mm	mm	EAN-No. 4000896+
609-E 6xE 8	113	4.8	5.8	10	12	5.74x7.52	024711
609-E 10xE 12	140	6.8	8	13	15	9.42x11.17	024650
609-E 14xE 18	180	7.9	9.5	17	21	12.90x16.70	024674
609-E 20xE 24	224	11	13	24	28	18.49x22.16	024698

Components and spare parts from page 482 to 490

Range of Sockets

6.3 1/4″	Socket sets	129–132
	Operating tools	132–134
	Sockets / Screwdriver Sockets	134–136
	Connectors	136–137
10 3/8″	Socket sets	137–139
	Operating tools	140–141
	Sockets	141–144
	Screwdriver sockets	145–146
	Connectors	146–147
	Range of impact tools	147
12.5 1/2″	Socket sets	148–149
	Operating tools	150–152
	Sockets	152–154
	Screwdriver sockets	155–159
	Connectors	159–160
	Impact Socket Sets	160
	Impact Sockets	160–165
	Impact screwdriver sockets	165–167
	Impact Adapters	167
20 3/4″	Socket sets	168
	Operating tools	169
	Nut driver/Screwdriver sockets	169–170
	Connectors	170
	Range of impact tools	171–172
25 1″	Socket sets	173
	Operating tools	173–174
	Sockets	174
	Connectors	174
	Range of impact tools	174–175
	TORX® Tools	176–177

Components and spare parts
from page 482 to 490

HiPer
HIGH PERFORMANCE
THE ORIGINAL
MADE IN GERMANY

Static AND dynamic – Double precision in perfection!

Fine-tooth reversible ratchets

- Developed and produced „Made in Germany“
- High permanent load for durability
- 90 teeth, 4° operating angle for restricted spaces
- Locking function of the lever prevents unwanted switch
- A lot more performance with the same dimensions
- Strict production tolerances prevent dirt from getting in



- Progressively adjustable from 414 to 614 mm

1000 Nm
/ max. 614 mm
12.5 1/2″

reddot winner 2020

HiPer – with safety locking

- Loosening-proof locking thanks to pushbutton actuation
- Attached tools can easily be released by pressing the button with just one hand
- Firm hold of sockets



850 Nm
/ 275 mm
12.5 1/2″

340 Nm
/ 200 mm
10 3/8″

100 Nm
/ 116 mm
6.3 1/4″





Components and spare parts from page 482 to 490



1000 Nm
/ 415 mm
12.5 1/2″

1000 Nm
/ 275 mm
12.5 1/2″

WINNER EISEN AWARD 2018
INTERNATIONALE EISENWARENMESSE KÖLN

400 Nm
/ 200 mm
10 3/8″



120 Nm
/ 116 mm
6.3 1/4″



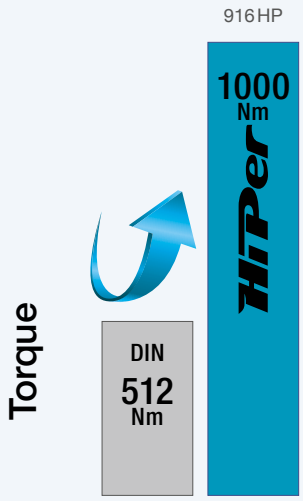
120 Nm
/ 116 mm
6.3 1/4″



916 HP performance comparison example

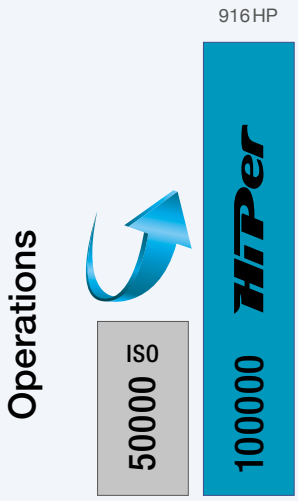
Peak load

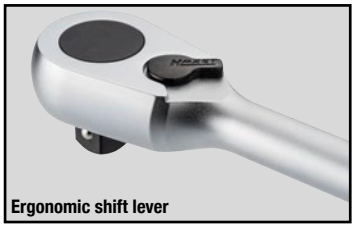
DIN 3122:2017-04 (static load)



Durability · Permanent load

ISO 3315:2018-05 (dynamic load)

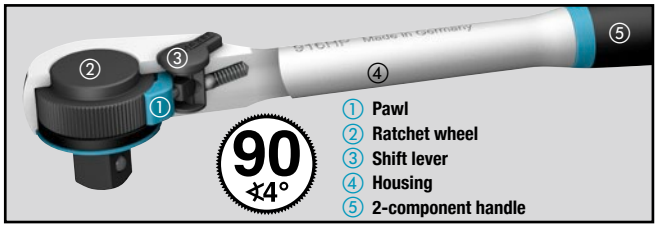




Ergonomic shift lever



Integrated suspension option in the handle

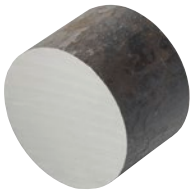


Components and spare parts from page 482 to 490

Manufacturing process for HAZET sockets – The tool for tough applications

Job well done – by HAZET

Socket



① Material section sawn from round bar steel



② Blank outside ground to size



③ Blank metallurgically heat-treated



④ Blank sand-blasted



⑤ Cold extrusion, inside profile produced ready, outside profile adjusted



⑥ Mechanically worked, turned, drilled, inner groove milled, knurled and inscribed



⑦ Hardened and tempered



⑧ Surface worked, sand-blasted

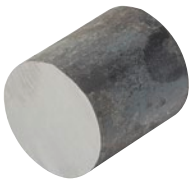


⑨ Outside surface partially ground



⑩ Nickel-plated and chrome-plated

Screwdriver socket



① Material section sawn from round bar steel



② Blank outside ground to size



③ Blank metallurgically heat-treated



④ Blank sand-blasted



⑤ Cold extrusion, inside profile produced ready, outside profile adjusted



⑥ Mechanically worked, turned, drilled, inner groove milled, knurled and inscribed



⑦ Hardened and tempered



⑧ Surface worked, sand-blasted



⑨ Nickel-plated and chrome-plated



⑩ Blade pressed in

Advantages of cold compression moulding
- High degree of dimensional accuracy
- High surface quality

Made in Germany

Components and spare parts from page 482 to 490

Manufacturing process of a HAZET reversible ratchet



① Splitter



② Forging





③ Deburring



④ Turning



⑤ Processing hardening and tempering



⑥ Chrome-plating



⑦ Ratchet wheel installation



⑧ Cover plate installation



⑨ Retaining ring installation



⑩ Handle installation



Key:

1. Pawl
2. Spring sleeve
3. Shift lever
4. Ball
5. Compression spring
6. Ratchet wheel
7. Cover plate
8. Circlip

Made in Germany

Components and spare parts
from page 482 to 490

At a glance

The HAZET reversible ratchet range

		6.3 1/4"	10 3/8"	12.5 1/2"	20 3/4"	25 1"	6.3 1/4"	8 5/16"
	Fine-tooth	**863 HP** 90 teeth l 116 mm	**8816 HP** 90 teeth l 200 mm	**916 HP** 90 teeth l 275 mm			**863 HP B** 90 teeth l 116 mm	
	Fine-tooth, quick-release locking device	**863 HP S** 90 teeth l 116 mm	**8816 HP S** 90 teeth l 200 mm	**916 HP S** 90 teeth l 275 mm				
	Standard	**863 P** 20 teeth l 115 mm	**8816 P** 30 teeth l 199 mm	**916 SP** 32 teeth l 275 mm	**1016/2** 32 teeth l 620 mm	**1116/2** 32 teeth l 824 mm		**2264-1** 30 teeth l 200 mm
	With hinge		**8816 G** 30 teeth l 276 mm	**916 GL** 32 teeth l 511 mm				
	Short, with hinge		**8816 GK** 30 teeth l 218 mm	**916 GK** 32 teeth l 270 mm				
	Short			**916 K** 32 teeth l 199 mm				
	Solid steel						**863 M Bit** 20 teeth l 89 mm	
	Long, fine-tooth			**916 HP L** 90 teeth l 415 mm				
	Long, extendable, fine-tooth			**916 HP Lg** 90 teeth l 414–614 mm				

HAZET sockets

	Design		6.3 1/4"	10 3/8"	12.5 1/2"	20 3/4"	25 1"
Sockets for manual operation							
	Hexagon profile		850 (A) 3 – 14 (3/16 – 9/16)	880 6 – 22	900 8 – 36	1000 19 – 60	
	12-point profile			880 Z 9 – 22 (1/4 – 15/16)	900 Z 8 – 36 (3/8 – 1.1/4)	1000 Z 22 – 55 (7/8 – 2)	1100 Z 32 – 80
	Hexagon profile, long		850 Lg 4 – 13	880 Lg 8 – 22	900 Lg 10 – 32		
	12-point profile, long		850 TZ 8	880 TZ 9 – 22	900 TZ 10 – 30		
	With hinge, Hexagon profile			880 G 10 – 19			
	With hinge, 12-point profile			880 G-Z 16 – 18			
	Outside TORX® profile		850-E E 4 – E 12	880 E E 5 – E 14	900 E E 10 – E 24		
	Outside TORX® profile, long			880 Lg-E E 8 – E 14			
	With hinge, Outside TORX® profile		850 Lg-G E 10	880 G E 8 – E 14			
Screwdriver sockets for manual operation							
	Slot profile		8503 3,5 – 10		980 13 – 19		
	Slot profile, long			8803 5,5 – 10			
	Cross recess profile PH (Phillips)		8506 PH 1 – PH 4				
	Cross recess profile PH (Phillips), long			8806 PH 1 – PH 4			
	Cross recess profile PZ (Pozidriv)		8507 PZ 1 – PZ 3				
	Inside hexagon profile		8501 2,5 – 8	8801 3 – 10	985 5 – 22 986 4 – 22 (5/32 – 1/2) 2584	1010 14 – 22 2784	
	Inside hexagon profile, long			8801 3 – 12 (1/8 – 3/8)	986 (S) L 4 – 14 2584-1	2784 14	
	Inside hexagon profile, long, ball-head		8501 KK 4	8801 KK 5 – 10	986 KK 5 – 12 2527-8		

Components and spare parts
from page 482 to 490

	Design		6.3 1/4″	10 3/8″	12.5 1/2″	20 3/4″	25 1″
Screwdriver sockets for manual operation							
	Inside TORX® profile		8502 T 8 – T 40	8802 T 15 – T 50	992 T 20 – T 60	1012 T 60 – T 100	
	Inside TORX® profile, long				992 (S) Lg T 30 – T 70		
	Tamper TORX® profile				992 T 30 H – T 55 H		
	RIBE CV profile				991 5 – 16		
	Internal serration profile (XZN)			8808 5 – 10	990 5 – 18		
	Internal serration profile (XZN), long			8808 Lg 6 – 10	990 Lg 6 – 14 2751		
Adapters for manual operation							
	Adapter (amplifier)	6.3 1/4″		8858-2			
	Adapter (reducer and amplifier)	10 3/8″	858-1		958-2		
	Adapter (reducer and amplifier)	12.5 1/2″		8858-1		1058-2	
	Adapter (reducer and amplifier)	20 3/4″			958-1		1158-2
	Adapter (reducer)	25 1″				1058-1	
	Adapters for bits		2250-1 6.3 1/4	2250-2 6.3 1/4 2250-3 8 5/16	2250-4 6.3 1/4 2250-5 8 5/16		
	Universal joint		869	8820	920	1021	1121
Sockets for impact operation							
	Hexagon profile for impact operation				900 S 13 – 32	1000 S 19 – 36	1100 S 24 – 60
	Hexagon profile, long, for impact operation				900 S Lg 13 – 27	1000 S Lg 24 – 36	1100 S Lg 24 – 46
	Hexagon profile, long, extra slim for impact operation				901 S Lg 902 S Lg 15 – 21		
	Hexagon profile, extra long, for impact operation					1004 S 32 – 33	1104 S 32

	Design		6.3 1/4″	10 3/8″	12.5 1/2″	20 3/4″	25 1″
Sockets for impact operation							
	12-point profile for impact operation				900 S Z 12 – 36 900 SZ 6-19–36 3047-36		
	Outside TORX® profile, for impact operation			880 S-E 10 – 12	900 S-E10 – 24		
	Outside TORX® profile, long, for impact operation					2850-E 20, 24	
Screwdriver sockets for impact operation							
	Inside hexagon profile, for impact operation				985 S 14 – 24		
	Inside hexagon profile, long, for impact operation				985 S Lg 14 – 19		
	Internal serration profile (XZN), for impact operation				990 S 14 – 18		
	Internal serration profile (XZN), long, for impact operation				990 S Lg 14 – 18		
	Inside TORX® profile, for impact operation				995 S T 30 – T 60		
Adapters for impact operation							
	Universal joint, for impact operation				9006 S	1006 S	1106 S
	Reducer, for impact operation			8807 S	9007 S	1007 S-1	1107 S
	Amplifier, for impact operation			8807 S-1	9007 S-1	1007 S-2	
	Adapter, for impact operation		8508 S-1	8808 S-1			
	Adapter, for impact operation	6.3 1/4″	2304 N 2238-1 8508 S-3 4				
	Adapter, for impact operation	10 3/8″			2311		
	Adapter, for impact operation					1003 S-1	

Components and spare parts
from page 482 to 490

HAZET SMART CASE

DESIGNED & PRODUCED IN GERMANY

compact · versatile · revolutionary



- Innovative concept of a compact, foldable tool set
- Easy to clean material and pleasant surface feel
- Combines the advantages of a slim and light soft surface (black) with the durability of a hard-shell tool box

Durable, robust tool holder – no tools rolling around or rattling

Magnetic fastener – quick to open and wear-free

Stable and easily accessible tool storage

Maximum number of tools in the smallest space for the best overview





¼″ socket and screwdriver bit set · 50 pieces · 2200 SC-2

Screwdriver bit and offset screwdriver set · 69 pieces · 2200 SC-1

see page 200

GERMAN INNOVATION AWARD '21 WINNER

Optimal overview and easy removal of the tool – can be folded flat or – similar to a tablet case – can be stood up

be smart – in any case

Components and spare parts from page 482 to 490

6.3 ¼" Range of sockets

853 Socket set

- Plastic box 165-S (1/9)
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent

HiPer

1/9

360°



850 • 6.3 ¼"
5.5 • 6 • 7 • 8 • 9
10 • 11 • 12 • 13 • 14

863 HP • 6.3 ¼"

866 U • 6.3 ¼"

867-2 • 6.3 ¼" • 6.3 ¼"

867-4 • 6.3 ¼" • 6.3 ¼"

2204 • 6.3 ¼"
3 • 4 • 5 • 6 • 7

2208 • 6.3 ¼"
0.6x4.5 • 1.2x6.5 • 1.2x8

2215 • 6.3 ¼"
PH 1 • PH 2 • PH 3

2216 • 6.3 ¼"
PZ 1 • PZ 2 • PZ 3

2223 • 6.3 ¼"
T 10 H • T 15 H • T 20 H
T 25 H • T 27 H • T 30 H
T 40 H

2250-1 • 6.3 ¼" • 6.3 ¼"

HAZET No.	L x W x H mm		EAN-No. 4000896+
853-1	185x153x52	36	154654

854 Socket set

Made in Germany

- Screwdriver sockets, CVD-Titanium Nitride (TIN) coated
- Plastic box 165-S (1/9)
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent

HiPer

1/9



850 • 6.3 ¼"
4 • 5 • 6 • 7 • 8 • 9
10 • 11 • 12 • 13 • 14

8501 • 6.3 ¼"
3 • 4 • 5 • 6 • 8

8503 • 6.3 ¼"
0.6x3.5 • 0.8x4
1x5.5 • 1.2x8

8506 • 6.3 ¼"
PH 1 • PH 2 • PH 3 • PH 4

8507 • 6.3 ¼"
PZ 1 • PZ 2 • PZ 3

863 HP • 6.3 ¼"

865 • 6.3 ¼"

866 U • 6.3 ¼"

867-2 • 6.3 ¼" • 6.3 ¼"

868 • 6.3 ¼" • 6.3 ¼"

869 • 6.3 ¼" • 6.3 ¼"

HAZET No.	L x W x H mm		EAN-No. 4000896+
854-1	185x153x52	33	038343

854 Socket set

Made in Germany

- Screwdriver sockets, CVD-Titanium Nitride (TIN) coated
- Plastic box 165-S (1/9)
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent

HiPer

1/9



850 • 6.3 ¼"
4 • 5 • 5.5 • 6
7 • 8 • 9 • 10
11 • 12 • 13 • 14

8501 • 6.3 ¼"
3 • 4 • 5 • 6 • 8

8503 • 6.3 ¼"
0.6x3.5 • 1x5.5 • 1.2x8

8506 • 6.3 ¼"
PH 1 • PH 2

8507 • 6.3 ¼"
PZ 1 • PZ 2

863 HP • 6.3 ¼"

865 • 6.3 ¼"

866 U • 6.3 ¼"

867-2 • 6.3 ¼" • 6.3 ¼"

868 • 6.3 ¼" • 6.3 ¼"

869 • 6.3 ¼" • 6.3 ¼"

HAZET No.	L x W x H mm		EAN-No. 4000896+
854	185x153x52	30	038336

854 T Socket set

Made in Germany

- Screwdriver sockets, CVD-Titanium Nitride (TIN) coated
- Plastic box 165-S (1/9)
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent

HiPer

1/9



850 • 6.3 ¼"
5 • 5.5 • 6 • 7
8 • 9 • 10 • 11
12 • 13 • 14

850 E • 6.3 ¼"
E 5 • E 6 • E 7 • E 8 • E 10

8501 • 6.3 ¼"
3 • 4 • 5 • 6

8502 • 6.3 ¼"
T 10 • T 15 • T 20
T 25 • T 30

8503 • 6.3 ¼"
1x5.5

8506 • 6.3 ¼"
PH 2

863 HP • 6.3 ¼"

866 U • 6.3 ¼"

867-2 • 6.3 ¼" • 6.3 ¼"

868 • 6.3 ¼" • 6.3 ¼"

869 • 6.3 ¼" • 6.3 ¼"

871-4 • 6.3 ¼" • 6.3 ¼"

HAZET No.	L x W x H mm		EAN-No. 4000896+
854 T	185x153x52	33	109579

Components and spare parts from page 482 to 490

855 Socket set

Made in Germany

- Sockets in long and short design
- Screwdriver sockets, CVD titanium nitride (TIN) coated
- Plastic box 165-L (1/3)
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent



HiPer

1/3

850 • 6.3 ¼"
4 • 4.5 • 5 • 6
7 • 8 • 9 • 10
11 • 12 • 13

850 LG • 6.3 ¼"
5 • 6 • 7 • 8 • 9
10 • 11 • 12 • 13

850 E • 6.3 ¼"
E 5 • E 6 • E 7 • E 8 • E 10

8501 • 6.3 ¼"
3 • 4 • 5

8502 • 6.3 ¼"
T 10 • T 15 • T 20
T 25 • T 30

8503 • 6.3 ¼"
1x5.5

8506 • 6.3 ¼"
PH 2

863 HP • 6.3 ¼"

866 U • 6.3 ¼"

867-2 • 6.3 ¼" • 6.3 ¼"

867-4 • 6.3 ¼" • 6.3 ¼"

869 • 6.3 ¼" • 6.3 ¼"

HAZET No.	L x W x H mm		EAN-No. 4000896+
855-1	355x235x65	40	115983

2200 Socket set

- Plastic box 165-S (1/9)
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent



HiPer

1/9

850 • 6.3 ¼"
5 • 5.5 • 6 • 7
8 • 9 • 10 • 11
12 • 13 • 14

2204 • 6.3 ¼"
2 • 2.5 • 3 • 4 • 5 • 6 • 8

2208 • 6.3 ¼"
0.5x4 • 0.6x4.5
1.2x6.5 • 0.8x5.5

2215 • 6.3 ¼"
PH 1 • PH 2

2216 • 6.3 ¼"
PZ 1 • PZ 2

2223 • 6.3 ¼"
T 10 H • T 15 H • T 20 H
T 25 H • T 30 H • T 40 H

2238-1 • 6.3 ¼" • 6.3 ¼"

2239-3 • 6.3 ¼" • 6.3 ¼"

863 HP B • 6.3 ¼"

2304 N • 6.3 ¼" • 6.3 ¼"

HAZET No.	L x W x H mm		EAN-No. 4000896+
2200/36	185x153x52	36	063734

2200 SmartCase socket set

HAZET SmartCase – be smart – In any case

- Developed and produced „Made in Germany"
- Innovative concept of a compact, foldable tool set
- Easy to clean material and pleasant surface feel
- Combines the advantages of a slim and light soft surface (black) with the durability of a hard-shell tool box
- Durable, robust tool holder – no tools rolling around or rattling
- Magnetic fastener – quick to open and wear-free
- Stable and easily accessible tool storage
- Maximum number of tools in the smallest space for the best overview
- Optimal overview and easy removal of the tool – can be folded flat or – similar to a tablet case – can be stood up



HAZET SMART CASE

HiPer

863 HP B • 6.3 ¼"

850 • 6.3 ¼"
4 • 5 • 5.5 • 6
7 • 8 • 9 • 10
11 • 12 • 13 • 14

867-4 • 6.3 ¼" • 6.3 ¼"

2304 N • 6.3 ¼" • 6.3 ¼"

2208 • 6.3 ¼"
0.5x4 • 0.6x4.5
1.2x6.5

2208 • 6.3 ¼"
0.8x5.5

2215 • 6.3 ¼"
PH 1 • PH 2 • PH 3

2215 • 6.3 ¼"
PH 1 • PH 2

2216 • 6.3 ¼"
PZ 1 • PZ 2 • PZ 3

2216 • 6.3 ¼"
PZ 1 • PZ 2

2204 • 6.3 ¼"
2 • 3 • 4 • 5 • 6

2204 • 6.3 ¼"
3 • 4 • 5 • 6

2223 • 6.3 ¼"
T 10 • T 15 • T 20 • T 25
T 27 • T 30 • T 40

2223 • 6.3 ¼"
T 20 • T 25 • T 30

HAZET No.	L x W x H mm		EAN-No. 4000896+
2200 SC-2	114.4x100x48.5	50	239603

856 Socket set

- Ergonomic design
- Easy handling, operating tools are ready to hand when needed
- Plastic box (52 x 98 x 180 mm)



product design award 2012






850 • 6.3 ¼"
5.5 • 6 • 7 • 8 • 9
10 • 11 • 12 • 13 • 14

863 P • 6.3 ¼"

866 U • 6.3 ¼"

867-2 • 6.3 ¼" • 6.3 ¼"

867-4 • 6.3 ¼" • 6.3 ¼"

869 • 6.3 ¼" • 6.3 ¼"

2204 • 6.3 ¼"
3 • 4 • 5 • 6 • 7

2208 • 6.3 ¼"
0.6 x 4.5 • 1.2 x 6.5 • 1.2 x 8

2215 • 6.3 ¼"
PH 1 • PH 2 • PH 3

2216 • 6.3 ¼"
PZ 1 • PZ 2 • PZ 3

2223 • 6.3 ¼"
T 10 H • T 15 H • T 20 H
T 25 H • T 27 H • T 30 H
T 40 H

2250-1 • 6.3 ¼" • 6.3 ¼"

2304 N • 6.3 ¼" • 6.3 ¼"

HAZET No.	L x W x H mm		EAN-No. 4000896+
856-1	180 x 98 x 52	38	164813

856 Socket set

- Ergonomic design
- Easy handling, operating tools are ready to hand when needed
- Plastic box (52 x 98 x 180 mm)



HiPer
HIGH PERFORMANCE
THE ORIGINAL
MADE IN GERMANY

850 • 6.3 ¼"
5.5 • 6 • 7 • 8 • 9
10 • 11 • 12 • 13 • 14

863 HP • 6.3 ¼"

866 U • 6.3 ¼"

867-2 • 6.3 ¼" • 6.3 ¼"

867-4 • 6.3 ¼" • 6.3 ¼"

869 • 6.3 ¼" • 6.3 ¼"

2204 • 6.3 ¼"
3 • 4 • 5 • 6 • 7

2208 • 6.3 ¼"
0.6 x 4.5 • 1.2 x 6.5 • 1.2 x 8

2215 • 6.3 ¼"
PH 1 • PH 2 • PH 3

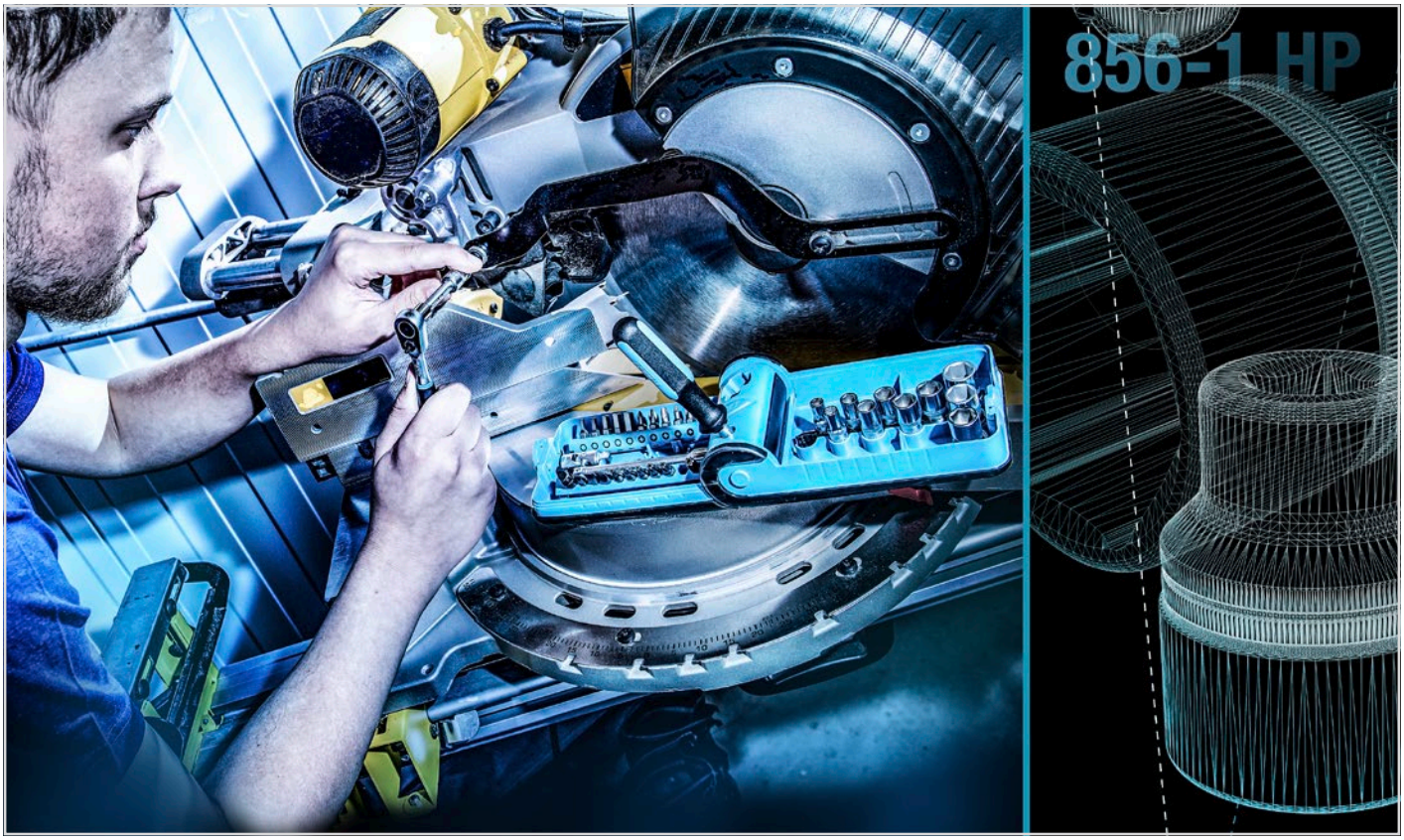
2216 • 6.3 ¼"
PZ 1 • PZ 2 • PZ 3

2223 • 6.3 ¼"
T 10 H • T 15 H • T 20 H
T 25 H • T 27 H • T 30 H
T 40 H

2250-1 • 6.3 ¼" • 6.3 ¼"

2304 N • 6.3 ¼" • 6.3 ¼"

HAZET No.	L x W x H mm		EAN-No. 4000896+
856-1 HP	180 x 98 x 52	38	233380



Components and spare parts from page 482 to 490

863-Bit Screwdriver bit set

• **With solid reversible ratchet 863 MBit**



863 M Bit • 6.3 ¼"

2204 • ○ • 6.3 ¼"
3 • 4 • 5 • 6

2208 • ⊖ • 6.3 ¼"
0.6x4.5 • 0.8x5.5 • 1x6

2215 • ✚ • 6.3 ¼"
PH 1 • PH 2 • PH 3

2216 • ✚ • 6.3 ¼"
PZ 1 • PZ 2 • PZ 3

2223 • ○ • 6.3 ¼"
T 10 • T 15 • T 20 • T 25
T 27 • T 30 • T 40

2223 • ○ • 6.3 ¼"
T 10 H • T 15 H • T 20 H
T 25 H • T 27 H • T 30 H
T 40 H

2239-6 • 6.3 ¼" • 6.3 ¼"

YouTube Clip

HAZET No.	L x W x H mm		EAN-No. 4000896+
863 M Bit/33	125x87x38	33	196951

850 HL Socket rail

6.3 ¼"

- Easy installation: 2 bore holes, e.g. for wall fixation
- Holding clamps adapted to the drive size
- Empty, with 16 retaining clamps
- Suitable for sockets 850



HAZET No.	l mm	EAN-No. 4000896+
850 HL	430	037575

863 Reversible ratchet · fine-tooth

Made in Germany

• **A lot more power than with ratchets with the same dimensions**

6.3 ¼"

- Engaging function of the shift lever provides protection against unwanted switching
- Longer lifetime by using the latest lubricants in the ratchet mechanism
- Close manufacturing tolerances prevent dirt from getting in
- HAZET internal quality standards guarantee a loading capacity far beyond standard requirements
- High-quality, easy to clean, corrosion-resistant
- Integrated hanging option in the handle
- VPA tested, static torque according to DIN 3122: 120 Nm (DIN: 62 Nm)
- Number of teeth: 90
- Opening angle: 4°
- With locking ball
- HAZET 2-component handle
- Surface: chrome-plated
- DIN 3122, ISO 3315



YouTube Clip YouTube Clip

HiPer HIGH PERFORMANCE THE ORIGINAL MADE IN GERMANY

863 Reversible ratchet · fine-tooth

6.3 ¼"



HAZET No.	l mm	EAN-No. 4000896+
863 HP	116	226917

863 Reversible ratchet

Made in Germany

6.3 ¼"

- Number of teeth: 20
- Opening angle: 18°
- With locking ball
- HAZET 2-component handle
- Surface: chrome-plated, head polished
- DIN 3122, ISO 3315

360°



HAZET No.	l mm	EAN-No. 4000896+
863 P	115	038558

863 Reversible ratchet · fine-tooth

Made in Germany

• **A lot more power than with ratchets of the same dimensions**

6.3 ¼"

- Engaging function of the shift lever provides protection against unwanted switching
- Longer lifetime by using the latest lubricants in the ratchet mechanism
- Close manufacturing tolerances prevent dirt from getting in
- HAZET internal quality standards guarantee a loading capacity far beyond standard requirements
- High-quality, easy to clean, corrosion-resistant
- Integrated hanging option in the handle
- VPA tested, static torque according to DIN 3122: 100 Nm (DIN: 62 Nm)
- Quick-release safety lock
- Sockets are securely locked in place
- Attached tools can easily be released by pressing the button with just one hand
- Number of teeth: 90
- Opening angle: 4°
- With locking ball
- HAZET 2-component handle
- Surface: chrome-plated
- DIN 3122, ISO 3315

YouTube Clip





HiPer HIGH PERFORMANCE THE ORIGINAL MADE IN GERMANY

Components and spare parts from page 482 to 490

863 Reversible ratchet · fine-tooth

◀

Ⓔ 6.3 ¼″



HAZET No.	l mm	EAN-No. 4000896+
863 HP S	116	237234

863-Bit Reversible ratchet · solid steel · for bits

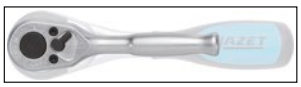
Made in Germany

• **89 mm short style**

Ⓔ 6.3 ¼″

- Sturdy design in short, slim form
- Ergonomic finger support on the end of the handle
- Number of teeth: 20
- Opening angle: 18°
- Angled at 15° to reduce risk of entrapment
- With locking spring to securely hold the bits
- Surface: chrome-plated

YouTube Clip





HAZET No.	l mm	EAN-No. 4000896+
863 M Bit	89	196111

863-Bit Reversible ratchet for screwdriver bits · fine-tooth

Made in Germany

• **A lot more power than with ratchets with the same dimensions**

Ⓔ 6.3 ¼″

- Engaging function of the shift lever provides protection against unwanted switching
- Longer lifetime by using the latest lubricants in the ratchet mechanism
- Close manufacturing tolerances prevent dirt from getting in
- HAZET internal quality standards guarantee a loading capacity far beyond standard requirements
- Chrome-plated surface: high-quality, easy to clean, corrosion-resistant
- Integrated hanging option in the handle
- VPA tested, static torque according to DIN 3122: 120 Nm (DIN: 62 Nm)
- Number of teeth: 90
- Opening angle: 4°
- With locking spring to securely hold the bits
- HAZET 2-component handle
- Surface: chrome-plated



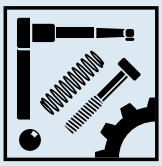
HiPer
HIGH PERFORMANCE
THE ORIGINAL
MADE IN GERMANY



HAZET No.	l mm	EAN-No. 4000896+
863 HP B	116	235346

Wear? – No problem!

- **HAZET** tools are manufactured to **the highest quality**. During long intensive loading there is a certain level of wear even for high-quality tools.
- For this reason, there are spare parts and replacement sets available for many of our tools.

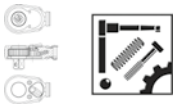


Please also see our spare parts shop
www.hazet.de/ersatzteil-shop

Cost-saving – Sustainable – Resource-saving!
For long-term pleasure with your HAZET tools

863 Replacement set

Made in Germany



HAZET No.	EAN-No. 4000896+
• **Replacement set for shift lever** consisting of: shift lever · pawl · screws · ball · compression spring For HAZET reversible ratchet 863 K · 863 · 863 G · 863 P · 863 PC · 863 Q · 863 S · 863 ST · 863 BGL · 863 BKC · 863 BK · 863 MC · 863 Mbit · 2264	
863 P/6	144600
• **Replacement set for ratchet wheel** 6.3 = ¼″ ■ consisting of: ratchet wheel · pawl · shift lever · screws · ball · compression spring For HAZET reversible ratchet 863 G · 863 P · 863 PC · 863 ST · 863 K · 863 MC	
863 P/7 N	038596
• **Replacement set for ratchet wheel with safety lock** 6.3 = ¼″ ■ consisting of: Ratchet wheel **with safety lock** · pawl · shift lever · screws · ball · compression spring For HAZET reversible ratchets 863 Q · 863 S as well as for retrofitting HAZET reversible ratchets 863 P · 863 PC · 863 G · 863 ST · 863 K · 863 MC	
863 S/7	048472
• **Replacement set for ratchet wheel** 6.3 = ¼″ ■ consisting of: pawl · compression spring · ball · spring sleeve · shift lever · cover disc · circlip · ratchet wheel · grease · assembly tool For reversible ratchet 863 HP	
863 HP/11	234875
• **Replacement set for ratchet wheel with safety lock** 6.3 = ¼″ ■ consisting of: assembly tool · cover plate · ratchet wheel **with safety lock** · circlip · cover disc · shift lever · spring sleeve · ball · compression spring · pawl · grease For HAZET reversible ratchet 863 HP S as well as for retrofitting HAZET reversible ratchet 863 HP (reduction to max. 100 Nm peak load)	
863 HP S/11	241262
• **Replacement set for bit ratchet wheel** ⬡ 6.3 = ¼″ Inside hexagon consisting of: assembly tool · cover plate · bit ratchet wheel · circlip · cover disc · shift lever · spring sleeve · ball · compression spring · pawl · grease For reversible ratchet 863 HP B	
863 HP B/11	241279
• **Replacement set for ratchet wheel** ⬡ 6.3 = ¼″ consisting of: ratchet wheel · pawl · shift lever · screws · ball · compression spring For HAZET reversible ratchet 863 BGL · 863 BKC · 863 BK · 863 MBit · 2264	
2264/7	015917

866 U Spin type speeder

Made in Germany

6.3 ¼″

- With locking ball
- HAZET 2-component handle
- Surface: matt chrome-plated
- DIN 3122, ISO 3315



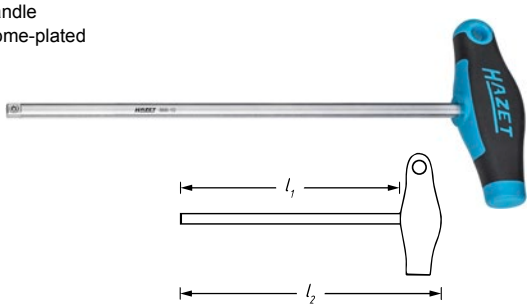
HAZET No.	l mm	EAN-No. 4000896+
866 U	134	056453

Components and spare parts
from page 482 to 490

866 Spin type speeder with T-handle

6.3 ¼"

- Long design
- With locking ball
- 2-component T-handle
- Surface: matt chrome-plated



HAZET No.	l_1 mm	l_2 mm	EAN-No. 4000896+
866-10	262	295	241842

865 Sliding T-handle

Made in Germany

6.3 ¼"

- With locking ball
- Surface: chrome-plated, polished
- DIN 3122, ISO 3315



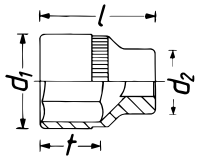
HAZET No.	l mm	EAN-No. 4000896+
865	115	038718

850 Socket · hexagon

Made in Germany

6.3 ¼"

- With knurling
- Surface: chrome-plated, polished
- DIN 3124, ISO 2725-1





850-3 not according to DIN

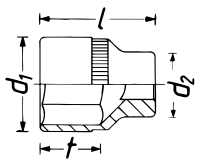
HAZET No.	l mm	d_1 mm	d_2 mm	t mm	EAN-No. 4000896+
850- 3 *	25	6.2	11	3.2	057221
850- 4	25	6.8	11	3.7	036370
850- 4.5	25	7.4	11	4.2	036387
850- 5	25	8.1	11	4.1	036400
850- 5.5	25	8.7	11	4.6	036417
850- 6	25	9.3	11	5.1	036479
850- 7	25	10.9	11.5	5.5	036516
850- 8	25	12.1	12.5	6.5	036547
850- 9	25	13.4	12.5	7.5	036585
850-10	25	14.6	12.5	7.3	036202
850-11	25	15.5	14	8.3	036240
850-12	25	17	15	9.3	036271
850-13	25	18	15	9.3	036301
850-14	25	19.5	16	10.8	036349

850 A Socket · hexagon

Made in Germany

6.3 ¼"

- **American dimensions**
- With knurling
- Surface: chrome-plated, polished





►

850 A Socket · hexagon

◄

6.3 ¼"

HAZET No.	l mm	d_1 mm	d_2 mm	t mm	EAN-No. 4000896+
850 A-3/16	25	8	11	4.2	037490
850 A-7/32	25	8.5	11	4.6	037537
850 A-¼	25	9.5	11	5.1	037476
850 A-9/32	25	10.5	11.5	5.6	037551
850 A-5/16	25	11.5	12.5	6.3	037513
850 A-11/32	25	13	11.5	7.3	037483
850 A-⅜	25	14	12.5	7.3	037506
850 A-7/16	25	15.5	14	8.3	037520
850 A-½	25	18	15	9.3	037469
850 A-9/16	25	19.5	16	10.8	037544

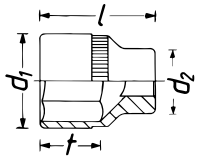
850 LG Socket · hexagon

Made in Germany

6.3 ¼"

- Long design
- With knurling
- Surface: chrome-plated
- DIN 3124, ISO 2725-1





HAZET No.	l mm	d_1 mm	d_2 mm	t mm	EAN-No. 4000896+
850 Lg- 4	50	6.9	11	4	037643
850 Lg- 5	50	8.2	11	4.2	037650
850 Lg- 5.5	50	8.8	11	5	037667
850 Lg- 6	50	9.4	11	5.5	037674
850 Lg- 7	50	11	11	6	037681
850 Lg- 8	50	12	12	8	037698
850 Lg- 9	50	13	13	8	037704
850 Lg-10	50	14.5	14.5	9.2	037599
850 Lg-11	50	15.5	15.5	10.7	037605
850 Lg-12	50	17	17	12.2	037612
850 Lg-13	50	18	18	12.2	037629

850 TZ Socket · 12-point

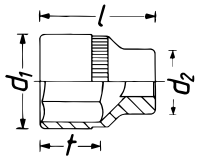
Made in Germany

6.3 ¼"

- **Operation of the screws at the timing chain cover on e.g. VW 1.2 l TSI engines**

- Long design
- With knurling
- Surface: chrome-plated
- DIN 3124, ISO 2725-1





HAZET No.	l mm	d_1 mm	d_2 mm	t mm	EAN-No. 4000896+
850 TZ-8	50	12.2	12.2	8	177646

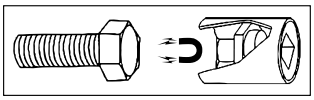
960 MGT Magnetic insert · for socket

- **Universal application in metric 6-point and 12-point sockets *s* 10 to 19 mm**

- Sockets made of plastic with integrated magnet
- Powerful retention force
- Reusable
- **10-piece set, for metric** sockets
  *s*10 · 11 · 12 · 13 · 14 · 15 · 16 · 17 · 18 · 19 mm







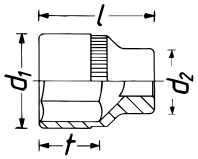
HAZET No.	EAN-No. 4000896+
960 MgT	097661

850 E TORX® socket

Made in Germany

- With knurling
- Surface: chrome-plated, polished

6.3 ¼"





HAZET No.	s	l mm	d_1 mm	d_2 mm	mm	EAN-No. 4000896+
850-E 4	E4	25	5.6	11	3.86	036653
850-E 5	E5	25	6.7	11	4.75	036684
850-E 6	E6	25	8	11	5.74	036714
850-E 7	E7	25	9.6	11	6.22	036745
850-E 8	E8	25	10.5	11.5	7.52	036776
850-E 10	E10	25	13	12	9.42	036615
850-E 11	E11	25	14	12.5	10.08	036646
850-E 12	E12	25	14.9	12.5	11.17	188598

850 LG-GE TORX® socket

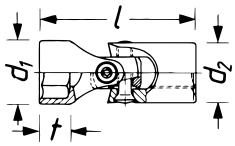
Made in Germany

- Use and extension permanently connected
- With hinge – for working in areas with restricted access and for getting around obstructive edges
- Surface: chrome-plated, polished

6.3 ¼"







HAZET No.	s	l mm	d_1 mm	d_2 mm	mm	EAN-No. 4000896+
850 Lg-GE 10	E10	150	12	13.5	9.42	223572

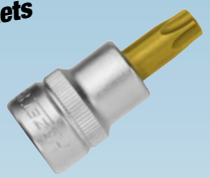
TiN coating

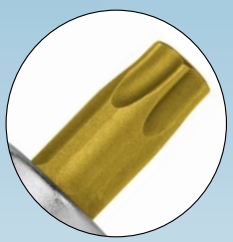
TiN

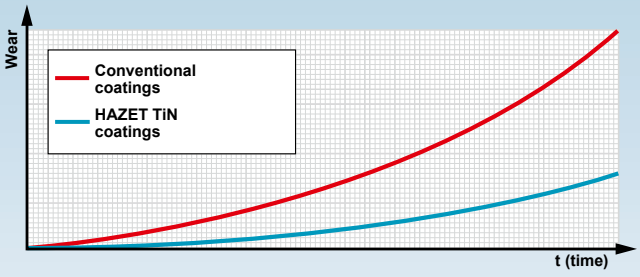
Why choose TiN (Titanium Nitride) coating?

- A special coating process for extremely hard TiN coating guarantees high adhesive strength and wear resistance of the coating
- Particularly suitable for continuous load, e. g. for industrial applications in industry and trade
- Higher wear protection guarantees a longer lifetime
- Perfect fitting accuracy due to optimum coating thickness
- Higher torque
- Optimized corrosion protection

TIN coated screwdriver sockets





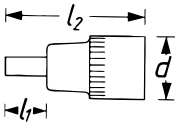


8501 Screwdriver socket

Made in Germany

- Surface: TiN
- DIN 7422

TiN 6.3 ¼"





HAZET No.	s mm	l_1 mm	l_2 mm	d mm	EAN-No. 4000896+
8501-2.5	2.5	6.5	28	12	036837
8501-3	3	6.5	28	12	036851
8501-4	4	6.5	28	12	036875
8501-5	5	6.5	28	12	036899
8501-6	6	6.5	28	12	036912
8501-7	7	6.5	28	12	210398
8501-8	8	6.5	28	12	036936

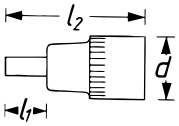
8501 KK Screwdriver socket

Made in Germany

- Long design
- With ball-head

6.3 ¼"





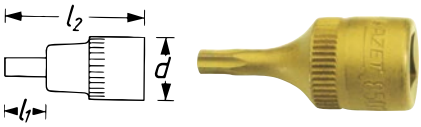
HAZET No.	s mm	l_1 mm	l_2 mm	d mm	EAN-No. 4000896+
8501 KK-4	4	60	80	12	157839

Components and spare parts from page 482 to 490

8502 Screwdriver socket TORX®

Made in Germany
- With knurling
- Surface: TiN

TiN 6.3 ¼″

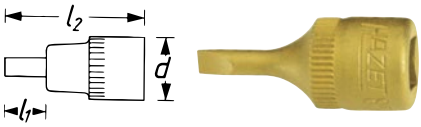


HAZET No.	s	l_1 mm	l_2 mm	d mm	mm	EAN-No. 4000896+
8502-T 8	T8	3.5	28	12	2.31	037124
8502-T 9	T9	3.5	28	12	2.50	037148
8502-T 10	T10	3.8	28	12	2.74	036967
8502-T 15	T15	4	28	12	3.27	036981
8502-T 20	T20	4	28	12	3.86	037001
8502-T 25	T25	4.5	28	12	4.43	037025
8502-T 27	T27	4.5	28	12	4.99	037049
8502-T 30	T30	5	28	12	5.52	037063
8502-T 40	T40	2	28	12	6.65	037100

8503 Screwdriver socket

Made in Germany
- With knurling
- Surface: TiN
- Tip according to ISO 8764-1

TiN 6.3 ¼″

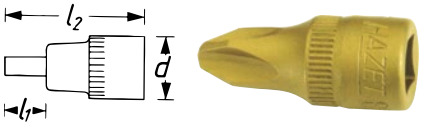


HAZET No.	l_1 mm	l_2 mm	d mm	EAN-No. 4000896+
8503-0.6x3.5	16	28	12	037162
8503-0.8x4	16	28	12	037186
8503-1x5.5	16	28	12	037247
8503-1.2x8	16	28	12	037209
8503-1.6x10	16	28	12	037223

8506 Screwdriver socket

Made in Germany
- With knurling
- Surface: TiN
- Tip according to ISO 8764-1

TiN 6.3 ¼″

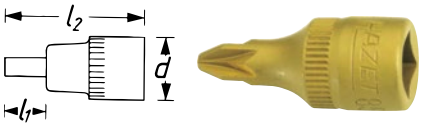


HAZET No.	s	l_1 mm	l_2 mm	d mm	EAN-No. 4000896+
8506-PH 1	PH1	16	28	12	037285
8506-PH 2	PH2	16	28	12	037308
8506-PH 3	PH3	16	28	12	037322
8506-PH 4	PH4	16	28	12	037346

8507 Screwdriver socket

Made in Germany
- With knurling
- Surface: TiN
- Tip according to ISO 8764-1

TiN 6.3 ¼″



HAZET No.	s	l_1 mm	l_2 mm	d mm	EAN-No. 4000896+
8507-PZ 1	PZ1	16	28	12	037360
8507-PZ 2	PZ2	16	28	12	037377
8507-PZ 3	PZ3	16	28	12	037384

858 Adapter

Made in Germany
- With locking ball
- Surface: chrome-plated
- DIN 3123, ISO 3316

10 3/8″ 6.3 ¼″



HAZET No.	l mm	EAN-No. 4000896+
• Amplifier □ input 6.3 = ¼″ → ■ output 12.5 = ½″		
858-1	26.5	038480

2250 Adapter

Made in Germany
- Inside square and inside hexagon sockets
- With locking spring to securely hold the bits
- Surface: chrome-plated

6.3 ¼ 6.3 ¼″



HAZET No.	l mm	EAN-No. 4000896+
• □ 6.3 = ¼″ → ○ 6.3 = ¼″		
2250-1	23.5	015443

869 Universal joint

Made in Germany
- With hinge – for working in areas with restricted access and for getting around obstructive edges
- With locking ball
- Surface: chrome-plated
- DIN 3123, ISO 3316

6.3 ¼″ 6.3 ¼″



HAZET No.	l mm	EAN-No. 4000896+
869	36.5	038824

867 Extension

Made in Germany
- With locking ball
- Surface: chrome-plated, polished
- DIN 3123, ISO 3316

6.3 ¼″ 6.3 ¼″



HAZET No.	l mm	EAN-No. 4000896+
867-1	25	038732
867-2	55	038749
867-4	101.5	038770

868 Extension

Made in Germany
- With locking ball
- Surface: chrome-plated, polished
- DIN 3123, ISO 3316

6.3 ¼″ 6.3 ¼″



868-16 Length not according to DIN/ISO

HAZET No.	l mm	EAN-No. 4000896+
868	147	038794
868-16	402	076727

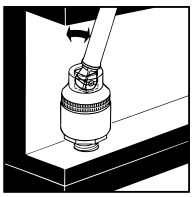
Components and spare parts from page 482 to 490

871 Wobble extension

Made in Germany

6.3 1/4" 6.3 1/4"

- **Spherical, conical outside square**
  Swivel angle after each side 8°
- By attaching a socket until its end stop is reached, the wobble extension may also be used as a rigid connection
- With locking ball
- Surface: chrome-plated, polished





HAZET No.	l mm	EAN-No. 4000896+
871-1	25	038855
871-4	101.5	038879

870 Extension · flexible

Made in Germany

6.3 1/4" 6.3 1/4"

- Flexible shaft enables operation around troublesome edges and fast working even in areas with restricted access
- With locking ball



HAZET No.	l mm	EAN-No. 4000896+
870	150	038848

8508 S Impact adapter

Made in Germany

6.3 1/4" ⬢

- ⬢ ISO 1173-A 5.5
- Holds power screwdriver sockets with □ drive 6.3 = 1/4"
- Use in power screwdrivers, e.g. AEG, Bosch, Metabo
- With locking pin retaining
- DIN 3121, ISO 1173 A5,5



HAZET No.	l mm	EAN-No. 4000896+
8508 S-1	50	037391

8508 S Impact adapter

Made in Germany

6.3 1/4" 6.3 1/4"

- ⬢ ISO 1173-E 6.3 (1/4")
- With locking pin retaining
- DIN 3121, ISO 1173 E6,3 (1/4")



HAZET No.	l mm	EAN-No. 4000896+
8508 S-3	50	037414
8508 S-4	100	037421

10 3/8 Range of sockets

880 Socket set

Made in Germany

Ⓔ R 10 3/8"

- Plastic box 165-L (1/3)
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent

HiPer

1/3





880 • ⬡ • 10 3/8
10 • 11 • 12 • 13
14 • 15 • 16 • 17
18 • 19 • 21 • 22



8816 HP • 10 3/8



8820 • 10 3/8 • 10 3/8



8821 • 10 3/8 • 10 3/8
8821-3 • 8821-6 • 8821-10

HAZET No.	L x W x H mm		EAN-No. 4000896+
880/17	355x235x65	17	168361

880 N Socket set

Made in Germany

Ⓔ R 10 3/8"

- Plastic box 165-L (1/3)
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent

HiPer

1/3





880 • ⬡ • 10 3/8
8 • 10 • 11 • 12 • 13 • 14
15 • 17 • 19 • 21 • 22



8815 • 10 3/8



8816 HP • 10 3/8



8820 • 10 3/8 • 10 3/8



8821 • 10 3/8 • 10 3/8
8821-5 • 8821-10

HAZET No.	L x W x H mm		EAN-No. 4000896+
880 N-1	355x235x65	16	040926

Components and spare parts
from page 482 to 490

880 Socket set

Made in Germany
- Plastic box 165-L (1/3)
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent



HiPer

1/3

880 • 10 3/8
6 • 7 • 8 • 9 • 10
11 • 12 • 13 • 14 • 15
16 • 17 • 18 • 19 • 20
21 • 22

8815 • 10 3/8

8816 HP • 10 3/8

8820 • 10 3/8 • 10 3/8

8821 • 10 3/8 • 10 3/8
8821-3 • 8821-6

HAZET No.	L x W x H mm		EAN-No. 4000896+
880-2	355x235x65	22	039036

882 Socket set

- **Combo set with □ 6.3 = 1/4" and 10 = 3/8" sockets and bits ⬢ 6.3 = 1/4"**
- Plastic box 165-L (1/3)
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent

360°



HiPer

1/3

850 • 6.3 1/4
4 • 4.5 • 5 • 5.5
6 • 7 • 8 • 9
10 • 11 • 12 • 13

863 HP • 6.3 1/4

866 U • 6.3 1/4

867-4 • 6.3 1/4 • 6.3 1/4

869 • 6.3 1/4 • 6.3 1/4

880 • 10 3/8
10 • 11 • 12 • 13
14 • 15 • 16 • 17
18 • 19 • 21 • 22

2204 • 4.3 1/4
3 • 4 • 5 • 6 • 8

2208 • 4.3 1/4
0.5x4 • 0.6x4.5
• 0.8x5.5 • 1x6

2215 • 4.3 1/4
PH 1 • PH 2

2216 • 4.3 1/4
PZ 1 • PZ 2

2250-1 • 4.3 1/4 • 6.3 1/4
2250-2 • 4.3 1/4 • 10 3/8

8816 HP • 10 3/8

8820 • 10 3/8 • 10 3/8

8821-6 • 10 3/8 • 10 3/8

HAZET No.	L x W x H mm		EAN-No. 4000896+
882	355x235x65	46	042289

882 Socket set

- Plastic box 165-L (1/3)
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent



HiPer

1/3

850 • 6.3 1/4
6 • 7 • 8 • 9 • 10 • 13

850 E • 6.3 1/4
E 6 • E 7 • E 8 • E 10

863 HP • 6.3 1/4

866 U • 6.3 1/4

867-4 • 6.3 1/4 • 6.3 1/4

869 • 6.3 1/4 • 6.3 1/4

880 • 10 3/8
11 • 12 • 13 • 14 • 15 • 16
17 • 18 • 19 • 21 • 22

880 E • 10 3/8
E 11 • E 12 • E 14

8816 HP • 10 3/8

8820 • 10 3/8 • 10 3/8

8821-6 • 10 3/8 • 10 3/8

2204 • 4.3 1/4
4 • 5 • 6 • 8

2223 • 4.3 1/4
T 10 • T 15 • T 20 • T 25
T 27 • T 30 • T 40

2224 • 4.3 1/4
T 45 • T 50

2250-1 • 4.3 1/4 • 6.3 1/4
2250-3 • 5/16 • 10 3/8

HAZET No.	L x W x H mm		EAN-No. 4000896+
882-1	355x235x65	46	100361

885 N Socket set

Made in Germany
- Screwdriver sockets, CVD-Titanium Nitride (TIN) coated
- Plastic box 165-L (1/3)
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent



HiPer

1/3

880 • 10 3/8
6 • 7 • 8 • 9 • 10 • 11
12 • 13 • 14 • 15 • 16 • 17
18 • 19 • 21 • 22

8801 • 4.3 1/4 • 10 3/8
4 • 5 • 6 • 8

8803 • 10 3/8
1x5.5 • 1.2x8 • 1.6x10

8806 • 10 3/8
PH 1 • PH 2 • PH 3

8815 • 10 3/8

8816 HP • 10 3/8

8820 • 10 3/8 • 10 3/8

8821 • 10 3/8 • 10 3/8
8821-3 • 8821-5 • 8821-10

HAZET No.	L x W x H mm		EAN-No. 4000896+
885 N	355x235x65	32	042593

880 ZN Socket set

Made in Germany

- 12-point sockets
- Plastic box 165-L (1/3)
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent



HiPer

1/3

880 • 10 3/8
8

880 Z • 10 3/8
10 • 11 • 12 • 13
14 • 15 • 17 • 19
21 • 22

8815 • 10 3/8

8816 HP • 10 3/8

8820 • 10 3/8 • 10 3/8

8821 • 10 3/8 • 10 3/8
8821-5 • 8821-10

HAZET No.	L x W x H mm		EAN-No. 4000896+
880 Z N-1	355x235x65	16	041992

888 ZN Socket set

Made in Germany

- 12-point sockets
- Screwdriver sockets, CVD titanium nitride (TIN) coated
- Sheet metal box (HAZET-blue)
- 2-component soft foam insert



HiPer

880 • 10 3/8
6 • 7 • 8

880 Z • 10 3/8
9 • 10 • 11 • 12 • 13
14 • 15 • 16 • 17 • 18
19 • 20 • 21 • 22

880 TZ • 10 3/8
9 • 10 • 11 • 12 • 13
14 • 15 • 16 • 17 • 18
19 • 20 • 21 • 22

8801 • 10 3/8
3 • 4 • 5 • 6 • 7
8 • 9 • 10 • 12

8803 • 10 3/8
1x5.5 • 1.2x8 • 1.6x10

8806 • 10 3/8
PH 2 • PH 3 • PH 4

8812 U • 10 3/8

8814 • 10 3/8

8815 • 10 3/8

8816 HP • 10 3/8

8820 • 10 3/8 • 10 3/8

8821 • 10 3/8 • 10 3/8
8821-3 • 8821-6
8821-8 • 8821-12

8830 • 10 3/8 • 10 3/8

8858-2 • 6.3 1/4 • 10 3/8

HAZET No.	L x W x H mm		EAN-No. 4000896+
888 Z N	578x235x88	58	042654

880 LG Socket set

Made in Germany

- Easy installation: 2 bore holes, e.g. for wall fixation
- Holding clamps adapted to the drive size
- Surface: chrome-plated, polished



HAZET No.	l mm		EAN-No. 4000896+
• 10 6-point sockets • Long design 880 LG • 10 3/8 10 • 11 • 12 • 13 • 14 • 15 • 16 • 17 • 18 • 19			
880 Lg/10 H	240	10	040865
• 10 12-point sockets 880 TZ • 10 3/8 10 • 11 • 12 • 13 • 14 • 15 • 16 • 17 • 18 • 19			
880 TZ/10 H	240	10	041831
• 10 6-point universal joint sockets 880 G • 10 3/8 10 • 11 • 12 • 13 • 14 • 15 • 16 • 17 • 18 • 19			
880 G/10 H	240	10	040612
• 8 screwdriver sockets for inside hexagon screws 8801 • 10 3/8 3 • 4 • 5 • 6 • 7 • 8 • 9 • 10			
8801/8 H	240	8	039463
8802 T • 10 3/8 T 15 • T 20 • T 25 • T 27 • T 30 • T 40 • T 45 • T 50			
8802 T/8 H	240	8	039784
• Empty, with 16 retaining clamps • Suitable for sockets 880 880 • 10 3/8			
880 HL	430	–	040650

Components and spare parts
from page 482 to 490

8816 Reversible ratchet

Made in Germany

- Number of teeth: 30
- Opening angle: 12°
- With locking ball
- HAZET 2-component handle
- Surface: chrome-plated, polished
- DIN 3122, ISO 3315

Ⓔ 10 3/8"



HAZET No.	l mm	EAN-No. 4000896+
8816 P	199	042203

8816 Reversible ratchet · with hinge

Made in Germany

- Ratchet head can be swivelled > 180°
- Short design
- Number of teeth: 30
- Opening angle: 12°
- With hinge – for working in areas with restricted access and for getting around obstructive edges
- With locking ball
- HAZET 2-component handle
- Surface: chrome-plated, polished
- DIN 3122, ISO 3315

Ⓔ 10 3/8"





Length non-standard

HAZET No.	l mm	EAN-No. 4000896+
8816 GK	218	042142

Made in Germany

- Ratchet head can be swivelled > 180°
- Long design
- Number of teeth: 30
- Opening angle: 12°
- With hinge – for working in areas with restricted access and for getting around obstructive edges
- With locking ball
- HAZET 2-component handle
- Surface: chrome-plated, polished
- DIN 3122, ISO 3315

Ⓔ 10 3/8"





Length non-standard

HAZET No.	l mm	EAN-No. 4000896+
8816 G	276	042104

8816 Reversible ratchet · fine-tooth

Made in Germany

• A lot more power than with ratchets with the same dimensions

10 3/8"

- Locking function of the lever prevents unwanted switch
- Longer lifetime by using the latest lubricants in the ratchet mechanism
- Close manufacturing tolerances prevent dirt from getting in
- HAZET internal quality standards guarantee a loading capacity far beyond standard requirements
- High-quality, easy to clean, corrosion-resistant
- Integrated hanging option in the handle
- VPA tested, static torque according to DIN 3122: 400 Nm (DIN 202 Nm)
- Number of teeth: 90
- Opening angle: 4°
- With locking ball
- HAZET 2-component handle
- Surface: chrome-plated
- DIN 3122, ISO 3315



►

8816 Reversible ratchet · fine-tooth

◄

10 3/8"

YouTube Clip

HiPer HIGH PERFORMANCE THE ORIGINAL MADE IN GERMANY



HAZET No.	l mm	EAN-No. 4000896+
8816 HP	200	235063

Made in Germany

• A lot more power than with ratchets of the same dimensions

Ⓔ 10 3/8"

- Engaging function of the shift lever provides protection against unwanted switching
- Longer lifetime by using the latest lubricants in the ratchet mechanism
- Close manufacturing tolerances prevent dirt from getting in
- HAZET internal quality standards guarantee a loading capacity far beyond standard requirements
- High-quality, easy to clean, corrosion-resistant
- Integrated hanging option in the handle
- VPA tested, static torque according to DIN 3122: 340 Nm (DIN 202 Nm)
- Quick-release safety lock
- Sockets are securely locked in place
- Attached tools can easily be released by pressing the button with just one hand
- Number of teeth: 90
- Opening angle: 4°
- With locking ball
- HAZET 2-component handle
- Surface: chrome-plated
- DIN 3122, ISO 3315

YouTube Clip



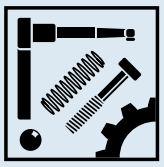


HiPer HIGH PERFORMANCE THE ORIGINAL MADE IN GERMANY



HAZET No.	l mm	EAN-No. 4000896+
8816 HP S	200	237241

Wear? – No problem!



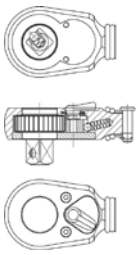
- **HAZET** tools are manufactured to **the highest quality**. During long intensive loading there is a certain level of wear even for high-quality tools.
- For this reason, there are spare parts and replacement sets available for many of our tools.

Please also see our spare parts shop
www.hazet.de/ersatzteil-shop

Cost-saving – Sustainable – Resource-saving!
For long-term pleasure with your HAZET tools

8816 Replacement set

Made in Germany





HAZET No.	EAN-No. 4000896+
• **Replacement set for ratchet wheel** 10 = 3/8" ■ consisting of: pawl · compression spring · ball · spring sleeve · shift lever · cover disc · circlip · ratchet wheel · grease · assembly tool For reversible ratchet 8816 HP	
8816 HP/11	239221
• **Replacement set for ratchet wheel with safety lock** 10 = 3/8" ■ consisting of: assembly tool · cover plate · ratchet wheel **with safety lock** · circlip · cover disc · shift lever · spring sleeve · ball · compression spring · pawl · grease For HAZET reversible ratchet 8816 HPS as well as for retrofitting HAZET reversible ratchet 8816 HP (reduction to max. 340 Nm peak load)	
8816 HP S/11	241248
• **Replacement set for shift lever** consisting of: shift lever · screws · ball · compression spring · pawl For HAZET reversible ratchet 8816 G · 8816 GK · 8816 P · 8816 S · 8816 ST 916 K · 2264-1 For HAZET torque wrench 5110-2 CT · 5120-2 CT · 5110-3 CT · 5111-3 CT · 5120-3 CT 6110 CT · 6110-1 CT · 6111-1 CT 6114-1 CT · 6115-1 CT 6402-1 · 6402-1 S · 6408-1	
8816 P/6	144617
• **Replacement set for ratchet wheel** 10 = 3/8" ■ consisting of: ratchet wheel · pawl · shift lever · screws · ball · compression spring For HAZET reversible ratchet 8816 G · 8816 GK · 8816 P · 8816 ST For HAZET torque wrench 5110-2 CT · 5110-3 CT · 5111-3 CT 6110 CT · 6110-1 CT · 6111-1 CT 6114-1 CT · 6115-1 CT · 6402-1	
8816 P/7 N	042234
• **Replacement set for ratchet wheel with safety lock** 10 = 3/8" ■ consisting of: Ratchet wheel **with safety lock** · pawl · shift lever · screws · ball · compression spring For HAZET reversible ratchets 8816 S · 6402-1 S as well as for retrofitting HAZET reversible ratchets 8816 P · 8816 G · 8816 GK · 8816 ST · 6110 CT · 6110-1 CT · 6111-1 CT · 6114-1 CT · 6115-1 CT · 6402-1	
8816 S/7	048465
• **Plastic handle** For HAZET 8814 · 8816 P · 8816 F · 8816 G · 8816 GK · 2593 Lg-17	
8816 KG-02	042166
• **Replacement set for hinge connection** consisting of: screw and lock washer For HAZET flexible handle 8814 and HAZET reversible ratchet 8816 G · 8816 GK	
8816 G-013	042111

8814 Flexible handle

Made in Germany

E 10 3/8

- With hinge – for working in areas with restricted access and for getting around obstructive edges
- With locking ball
- Ergonomically shaped HAZET 2-component handle
- Surface: chrome-plated
- DIN 3122, ISO 3315



HAZET No.	l mm	EAN-No. 4000896+
8814	250	042036

8812 U Spin type speeder

Made in Germany

10 3/8

- With locking ball
- HAZET 2-component handle
- Surface: chrome-plated



HAZET No.	l mm	EAN-No. 4000896+
8812 U	137	067688

8815 Sliding T-handle

Made in Germany

10 3/8

- With locking ball
- Surface: chrome-plated, polished
- DIN 3122, ISO 3315



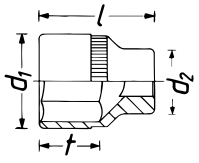
HAZET No.	l mm	EAN-No. 4000896+
8815	198	042067

880 Socket · hexagon

Made in Germany

10 3/8

- With knurling
- Surface: chrome-plated, polished
- DIN 3124, ISO 2725-1





* = Not according to DIN

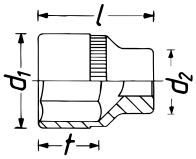
HAZET No.	l mm	d_1 mm	d_2 mm	t mm	EAN-No. 4000896+
880- 6 *	24	10	17	6.2	039104
880- 7	24	10.5	17	6.2	039111
880- 8	24	11.8	17	6.2	039128
880- 9	24	13	17	6.2	039135
880-10	25	14.4	17	7.2	038893
880-11	26	15.8	17.5	8.2	038916
880-12	27	17	18.5	9.2	038923
880-13	27.5	18.4	17	9.7	038930
880-14	29.5	19.5	17.5	11.7	038947
880-15	29.5	20.9	18	11.7	038954
880-16	29.5	22.1	18	11.7	038961
880-17	29.5	23.3	18.5	11.7	038978
880-18	31.5	24.8	19	13.5	038992
880-19	31.5	25.8	19.5	13.5	039005
880-20	31.5	26.8	21	13.5	039043
880-21	31.5	28.3	22.5	13	039050
880-22	34	29.6	23.5	16	039067

Components and spare parts
from page 482 to 490

880 LG Socket · hexagon

Made in Germany

- Long design
- With knurling
- Surface: chrome-plated, polished
- DIN 3124, ISO 2725-1



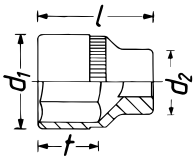


HAZET No.	l mm	d_1 mm	d_2 mm	t mm	EAN-No. 4000896+
880 Lg- 8	54	12.1	17	7	052257
880 Lg- 9	54	13	17	10	040858
880 Lg-10	54	14.4	17	10	040698
880 Lg-11	54	15.8	17.2	11	040704
880 Lg-12	54	17	18.5	11	040711
880 Lg-13	54	18.4	18.5	12	040728
880 Lg-14	54	19.5	19.5	15	040759
880 Lg-15	60	20.8	19.5	15	040766
880 Lg-16	60	21.8	18.5	16	040773
880 Lg-17	60	23	18.5	16	040780
880 Lg-18	66	24.4	20	20	040797
880 Lg-19	66	25.5	20	20	040803
880 Lg-20	70	26.6	21	22	040810
880 Lg-21	70	28	22	22	040834
880 Lg-22	70	29.6	21	22	040841

880 Z Socket · 12-point

Made in Germany

- With knurling
- Surface: chrome-plated, polished
- DIN 3124, ISO 2725-1





HAZET No.	l mm	d_1 mm	d_2 mm	t mm	EAN-No. 4000896+
880 Z- 9	24	13	17	6.2	041985
880 Z-10	25	14.4	17	7.2	041848
880 Z-11	26	15.8	17.5	8.2	041855
880 Z-12	27	17	18.5	9.2	041862
880 Z-13	27.5	18.4	17	9.7	041879
880 Z-14	29.5	19.6	17.5	11.7	041893
880 Z-15	29.5	20.9	18	11.7	041909
880 Z-16	29.5	22.1	18	11.7	041916
880 Z-17	29.5	23.3	18.5	11.7	041923
880 Z-18	31.5	24.6	19	13.5	041930
880 Z-19	31.5	25.8	19.5	13.5	041947
880 Z-20	31.5	26.8	20	13.5	041954
880 Z-21	31.5	28.3	22.5	13	041961
880 Z-22	34	29.6	23.5	15.5	041978

960 MGT Magnetic insert · for socket

- **Universal application in metric 6-point and 12-point sockets** *s* **10 to 19 mm**

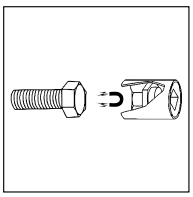
- Sockets made of plastic with integrated magnet
- Powerful retention force
- Reusable
- **10-piece set, for metric** sockets
  *s*10 · 11 · 12 · 13 · 14 · 15 · 16 · 17 · 18 · 19 mm







960 MGT Magnetic insert · for socket

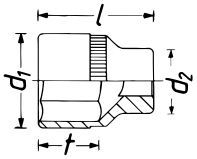


HAZET No.	EAN-No. 4000896+
960 MgT	097661

880 A Socket · 12-point

Made in Germany

- **American dimensions**
- With knurling
- Surface: chrome-plated, polished





Sizes ¼″ and 5/16″ with hexagon

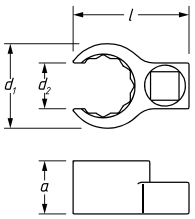
HAZET No.	l mm	d_1 mm	d_2 mm	EAN-No. 4000896+
880 A- ¼	24	10	17	040056
880 A- 5/16	24	11.8	17	040094
880 AZ- 3/8	25	13.8	17	040360
880 AZ- 7/16	26	15.8	17.5	040384
880 AZ- ½	27.5	18.7	17	040292
880 AZ- 9/16	29.5	20.1	17.5	040407
880 AZ-19/32	29.5	21.1	18	040339
880 AZ- 5/8	29.5	22.1	18	040377
880 AZ-11/16	29.5	23.8	18.5	040308
880 AZ- ¾	31.5	25.8	19.5	040353
880 AZ-25/32	31.5	26.8	21	040346
880 AZ-13/16	32	28.3	22.5	040315
880 AZ- 7/8	34	30.3	23.5	040391
880 AZ-15/16	36.5	32.3	23.5	040322

848 Z Box-end wrench · 12-point · open

Made in Germany

- **Crowfoot Wrenches**
- For union nuts and tube connections
- Square socket





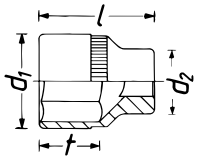


HAZET No.	l mm	d_1 mm	d_2 mm	a mm	mm	EAN-No. 4000896+
848 Z-17	40.9	27.5	14.5	18	☐ 10 = 3/8″	079094
848 Z-18	41.7	29	15	19	☐ 10 = 3/8″	079100
848 Z-19	41.9	30	16	19	☐ 10 = 3/8″	079117
848 Z-21	46	32	16.5	19	☐ 10 = 3/8″	079124
848 Z-22	46.5	33.5	17.5	19.5	☐ 10 = 3/8″	079131
848 Z-24	50	36.5	18.5	20	☐ 10 = 3/8″	079148
848 Z-27	53.7	40.5	20.5	22	☐ 10 = 3/8″	079162
848 Z-30	62.4	46.5	25	23	☐ 12.5 = ½″	079179
848 Z-32	63.7	48.5	24.5	23	☐ 12.5 = ½″	079186
848 Z-36	67.1	52.5	27.5	24.5	☐ 12.5 = ½″	079193
848 Z-41	74.1	58.5	31	24.5	☐ 12.5 = ½″	079216
848 Z-46	77.7	64.5	35.5	26.5	☐ 12.5 = ½″	079223

Components and spare parts from page 482 to 490

880 TZ Socket · 12-point

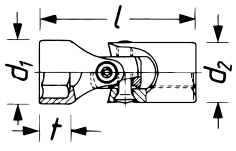
Made in Germany
- Long design
- With knurling
- Surface: chrome-plated, polished
- DIN 3124, ISO 2725-1




HAZET No.	l mm	d_1 mm	d_2 mm	t mm	EAN-No. 4000896+
880 TZ- 9	54	13	17	10	041824
880 TZ-10	54	14.4	17	10	041602
880 TZ-11	54	15.8	17.2	11	041626
880 TZ-12	54	17	18.5	12.3	041633
880 TZ-13	54	18.4	18.5	12	041664
880 TZ-14	54	19.5	19.5	15	041688
880 TZ-15	60	20.8	19.5	15	041701
880 TZ-16	60	21.8	18.5	16	041718
880 TZ-17	60	23	18.5	16	041725
880 TZ-18	66	24.4	20	20	041749
880 TZ-19	66	25.5	20	20	041756
880 TZ-20	70	26.6	21	22	041763
880 TZ-21	70	28	22	22	041794
880 TZ-22	70	29.6	21	22	041800

880 G Universal joint socket · hexagon

Made in Germany
- With hinge – for working in areas with restricted access and for getting around obstructive edges
- Surface: chrome-plated, polished




HAZET No.	l mm	d_1 mm	d_2 mm	t mm	EAN-No. 4000896+
880 G-10	43	13.8	19	6.8	040414
880 G-11	43	15	19	6.8	040438
880 G-12	44	16.6	19	7.3	040445
880 G-13	44	17.8	19	7.3	040452
880 G-14	45	19	19	9.3	040469
880 G-15	45	20.4	19	9.3	040476
880 G-16	46	22	19	9.2	040483
880 G-17	46	22.8	19	9.2	040490
880 G-18	47	24.5	19	10.2	040506
880 G-19	48	25.2	19	11.2	040513

880 GZ Universal joint socket · 12-point

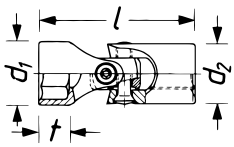
Made in Germany
- With hinge – for working in areas with restricted access and for getting around obstructive edges
- With locking ball
- Surface: chrome-plated, polished

YouTube Clip



►

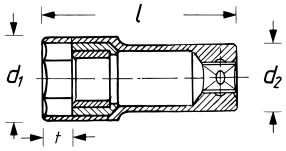
880 GZ Universal joint socket · 12-point



HAZET No.	l mm	d_1 mm	d_2 mm	t mm	EAN-No. 4000896+
880 G-Z 16	45.8	22	19	10	203734
880 G-Z 18	46.8	24.5	19	11	203529

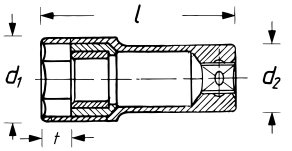
880 MGT Spark plug socket

Made in Germany
- With permanent magnet
- Long design
- **American dimensions**
- Surface: chrome-plated, polished




HAZET No.	s mm	s "	l mm	d_1 mm	d_2 mm	t mm	EAN-No. 4000896+
880 Mg T	20.8	13/16	64	27.4	22.5	9	040872
880 A Mg T	16	5/8	64	21.6	21.6	9	040247

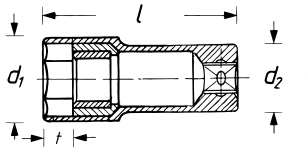
Made in Germany
- **With permanent magnet**
- Outside hexagon: 17 mm
- For motorcycles, e.g. **HONDA · YAMAHA · SUZUKI · KAWASAKI** etc.
- Long design
- Surface: chrome-plated, polished




HAZET No.	s mm	l mm	d_1 mm	d_2 mm	t mm	EAN-No. 4000896+
880 Mg T-18	18	62	23.5	22.8	9.6	040889

880 AMGT Spark plug socket

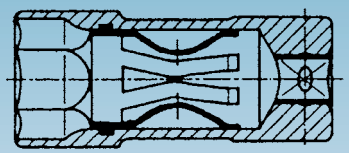
Made in Germany
- **Outside guide collar 23.6 mm for low-lying spark plugs**
- With permanent magnet
- Long design
- **American dimensions**
- Surface: chrome-plated, polished

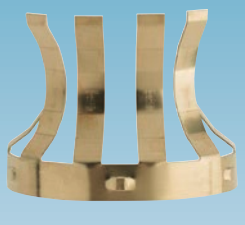



HAZET No.	s mm	s "	l mm	d_1 mm	d_2 mm	t mm	EAN-No. 4000896+
880 A Mg T-1	16	5/8	64	21.9	21	9	040254

Components and spare parts from page 482 to 490

Fixing clamp information





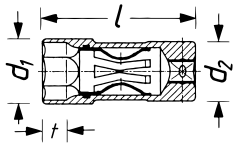
- Stainless and insensitive to heat
- Largest possible clearance of insulator
- 6 spring elements – firm hold of the spark plug
- Damping of transverse motion

880 KF Spark plug socket

Made in Germany

- **The fixing clamp reduces the risk of insulator damage**
- **Fixing clamp** to hold the spark plug
- Long design
- **American dimensions**
- Surface: chrome-plated, polished





HAZET No.	s mm	s "	l mm	d_1 mm	d_2 mm	t mm	EAN-No. 4000896+
880 KF	20.8	13/16	64	27.4	25	10	040674
880 A KF	16	5/8	64	21.6	21.6	10	040131

HAZET No.	s mm	s "	l mm	d_1 mm	d_2 mm	t mm	EAN-No. 4000896+
4766	16	5/8	97	21.4	18	10	049295
4766-1	16	5/8	270	21.4	18	10	048991
4766-2	14		64	18	17.3	10	087655
4766-3	14		154	19.1	18	10	199976

880 KF Fixing clamp

Made in Germany

- **American dimensions**



HAZET No.	EAN-No. 4000896+
• **Fixing clamp** for HAZET spark plug wrench 880 KF · 900 KF · 4767 KF	
880 KF-01	050123
• **Fixing clamp** for HAZET spark plug wrench 880 A KF · 900 A KF · 4766 · 4766-1 · 4767 A KF	
880 A KF-01	050130

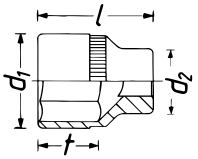
880 E TORX® socket

Made in Germany

- With knurling
- Surface: chrome-plated, polished



880 E TORX® socket

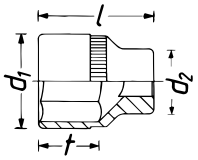


HAZET No.	s	l mm	d_1 mm	d_2 mm	mm	EAN-No. 4000896+
880-E 5	E5	28	7	17	4.75	039258
880-E 6	E6	28	8	17	5.74	039272
880-E 7	E7	28	9	17	6.22	039296
880-E 8	E8	28	10.5	17	7.52	039319
880-E 10	E10	28	13	17	9.42	039159
880-E 11	E11	28	14	17	10.08	039180
880-E 12	E12	28	14.9	17	11.17	039197
880-E 14	E14	28	16.5	18.5	12.90	039227

880 LG-E TORX® socket

Made in Germany

- Long design
- Surface: chrome-plated, polished



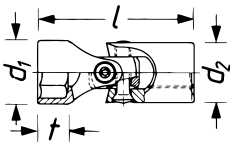


HAZET No.	s	l mm	d_1 mm	d_2 mm	mm	EAN-No. 4000896+
880 Lg-E 8	E8	65	10.5	17	7.52	053070
880 Lg-E 10	E10	65	13	17	9.42	053087
880 Lg-E 12	E12	65	14.9	17	11.17	053100
880 Lg-E 14	E14	65	16.5	18.5	12.90	053117

880 G-E TORX® socket

Made in Germany

- With hinge – for working in areas with restricted access and for getting around obstructive edges
- Surface: chrome-plated, polished





HAZET No.	s	l mm	d_1 mm	d_2 mm	mm	EAN-No. 4000896+
880 G-E 8	E8	43	11.5	19	7.52	040599
880 G-E 10	E10	44	13.8	19	9.42	040537
880 G-E 12	E12	46	16	19	11.17	040551
880 G-E 14	E14	48	17.8	19	12.90	040575

880 G-E TORX® socket set

Made in Germany

- With hinge – for working in areas with restricted access and for getting around obstructive edges
- Surface: chrome-plated, polished





880 G-E • • 10 3/8
E 8 • E 10 • E 12 • E 14

HAZET No.		EAN-No. 4000896+
880 G-E/4	4	040520

Components and spare parts from page 482 to 490

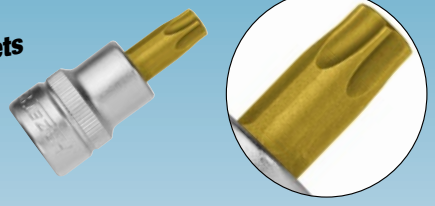
TiN coating

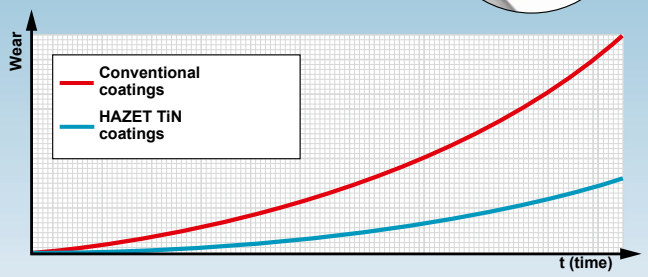
TiN

Why choose TiN (Titanium Nitride) coating?

- A special coating process for extremely hard TiN coating guarantees high adhesive strength and wear resistance of the coating
- Particularly suitable for continuous load, e. g. for industrial applications in industry and trade
- Higher wear protection guarantees a longer lifetime
- Perfect fitting accuracy due to optimum coating thickness
- Higher torque
- Optimized corrosion protection

TIN coated screwdriver sockets



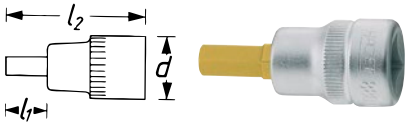


8801 K Screwdriver socket

Made in Germany

- **Extra short design**
- With knurling
- Surface: TiN
- DIN 7422

TiN ○ 10 3/8"



* = Not according to DIN

HAZET No.	s mm	l_1 mm	l_2 mm	d mm	EAN-No. 4000896+
8801 K- 3	3	17	43.5	17	053582
8801 K- 4 *	4	17	43.5	17	053599
8801 K- 5	5	17	43.5	17	053605
8801 K- 6	6	17	43.5	17	053612
8801 K- 7	7	17	43.5	19	053629
8801 K- 8	8	17	43.5	19	053636
8801 K- 9 *	9	17	43.5	19	053643
8801 K-10	10	17	43.5	19	053650

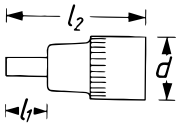
8801 Screwdriver socket

Made in Germany

- Short design
- With knurling
- Surface: TiN
- DIN 7422

TiN ○ 10 3/8"





s 3–9–12: not according to DIN
\+ = With offset blade

HAZET No.	s mm	l_1 mm	l_2 mm	d mm	EAN-No. 4000896+
8801- 3 +	3	23.5	50	17	039364
8801- 4 +	4	28.5	55	17	039371
8801- 5 +	5	33.5	60	17	039388
8801- 6	6	38.5	65	17	039395
8801- 7 +	7	43.5	70	19	039401
8801- 8	8	48.5	75	19	039425
8801- 9 +	9	52.5	80	19	039432
8801-10	10	57.5	85	19	039340
8801-11	11	60	87.5	19	166299
8801-12	12	62.5	90	19	039357

HAZET No.	s mm	l_1 mm	l_2 mm	EAN-No. 4000896+
2584-8	8	6.6	24	149438
2784-1	7	6.6	24	148530

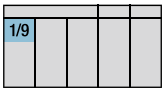
8801 Screwdriver socket set

Made in Germany

- Short design
- With knurling
- Plastic box 165-S (1/9)
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent
- Surface: TiN
- DIN 7422

TiN ○ 10 3/8"







8801 • ○ • 10 3/8
4 • 5 • 6 • 7 • 8 • 10

HAZET No.	L x W x H mm		EAN-No. 4000896+
8801/6	185x153x52	6	186853

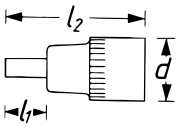
8801 A Screwdriver socket

Made in Germany

- Short design
- **American dimensions**
- With knurling
- Surface: TiN

TiN ○ 10 3/8"





\+ = With offset blade

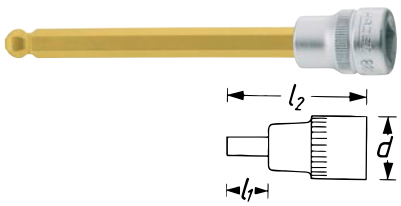
HAZET No.	l_1 mm	l_2 mm	d mm	EAN-No. 4000896+
8801 A-1/8 +	23.5	50	17	039487
8801 A-5/32 +	28.5	55	17	039524
8801 A-3/16 +	33.5	60	17	039494
8801 A-7/32 +	38.5	65	17	039531
8801 A-1/4 +	43.5	70	19	039470
8801 A-5/16	48.5	75	19	039517
8801 A-3/8 +	52.5	80	19	039500

Components and spare parts from page 482 to 490

8801 KK Screwdriver socket

Made in Germany
- Long design
- With ball-head
- With knurling
- Surface: TiN

TiN 10 3/8"



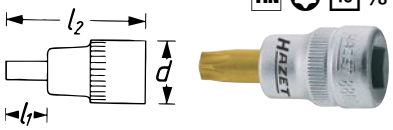
HAZET No.	s mm	l_1 mm	l_2 mm	d mm	EAN-No. 4000896+
8801 KK- 5	5	89.5	116	17	039586
8801 KK- 6	6	89.5	116	17	039593
8801 KK- 7	7	89.5	116	19	039609
8801 KK- 8	8	89.5	116	19	039616
8801 KK-10	10	88.5	116	19	039579

HAZET No.	s mm	l_1 mm	l_2 mm	EAN-No. 4000896+
2527-5	5	200	227	016303

8802 Screwdriver socket TORX®

Made in Germany
- Short design
- With knurling
- Surface: TiN

TiN 10 3/8"



HAZET No.	s	l_1 mm	l_2 mm	d mm	mm	EAN-No. 4000896+
8802-T 15	T15	17	43.5	19	3.27	039647
8802-T 20	T20	17	43.5	19	3.86	039654
8802-T 25	T25	17	43.5	19	4.43	039661
8802-T 27	T27	17	43.5	19	4.99	039678
8802-T 30	T30	17	43.5	19	5.52	039685
8802-T 40	T40	17	43.5	19	6.65	039708
8802-T 45	T45	17	43.5	19	7.82	039722
8802-T 50	T50	17	44.5	19	8.83	039753

8803 Screwdriver socket

Made in Germany
- Medium length design
- With knurling
- Surface: TiN
- DIN ISO 2380-1

TiN 10 3/8"

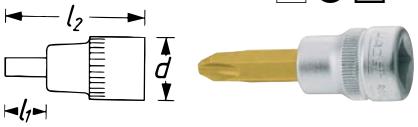


HAZET No.	l_1 mm	l_2 mm	d mm	EAN-No. 4000896+
8803-1x5.5	48.5	75	17	039814
8803-1.2x8	53.5	80	19	039791
8803-1.6x10	62.5	90	19	039807

8806 Screwdriver socket

Made in Germany
- Short design
- With knurling
- Surface: TiN
- Tip ISO 8764-1

TiN 10 3/8"

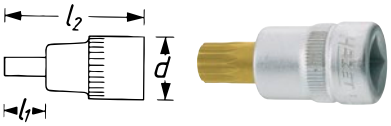


HAZET No.	s	l_1 mm	l_2 mm	d mm	EAN-No. 4000896+
8806-PH 1	PH1	23.5	50	17	039845
8806-PH 2	PH2	23.5	50	17	039852
8806-PH 3	PH3	28.5	55	19	039869
8806-PH 4	PH4	32.5	60	19	039876

8808 Screwdriver socket

Made in Germany
- Short design
- With knurling
- Surface: TiN
- DIN 2324, DIN 2325

TiN 10 3/8"



HAZET No.	s	l_1 mm	l_2 mm	d mm	EAN-No. 4000896+
8808- 5	M5	13.5	40	19	039982
8808- 6	M6	13.5	40	19	039999
8808- 8	M8	14.5	41	19	040001
8808-10	M10	14.5	42	19	039975

8808 LG Screwdriver socket

Made in Germany
- Long design
- With knurling
- Surface: TiN
- DIN 2324, DIN 2325

TiN 10 3/8"



HAZET No.	s	l_1 mm	l_2 mm	d mm	EAN-No. 4000896+
8808 Lg- 6	M6	62.3	89	19	204946
8808 Lg- 8	M8	61.5	88	19	040025
8808 Lg-10	M10	61.5	89	19	040018

8858 Adapter

Made in Germany
- With locking ball
- Surface: chrome-plated
- DIN 3123, ISO 3316

10 3/8"


8858-1


8858-2

HAZET No.	l mm	EAN-No. 4000896+
• Amplifier □ input 10 = 3/8" → ■ output 12.5 = 1/2"		
8858-1	36	042562
• Reducer □ input 10 = 3/8" → ■ output 6.3 = 1/4"		
8858-2	26	042579

2250 Adapter

Made in Germany
- Inside square and inside hexagon sockets
- With locking spring to securely hold the bits
- Surface: chrome-plated

10 3/8"



HAZET No.	l mm	EAN-No. 4000896+
• □ 10 = 3/8" → ○ 6.3 = 1/4"		
2250-2	30	015450
• □ 10 = 3/8" → ○ 8 = 5/16"		
2250-3	31	015474

Components and spare parts from page 482 to 490

8820 Universal joint

Made in Germany

10 3/8″ 10 3/8″

- With hinge – for working in areas with restricted access and for getting around obstructive edges
- With locking ball
- Surface: chrome-plated, head polished
- DIN 3123, ISO 3316



HAZET No.	l mm	EAN-No. 4000896+
8820	46.5	042296

8821 Extension

Made in Germany

10 3/8″ 10 3/8″

- With locking ball
- Surface: chrome-plated, head polished
- DIN 3123, ISO 3316



* = Length not according to DIN

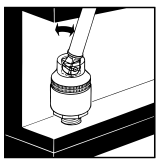
HAZET No.		l mm	EAN-No. 4000896+
8821- 1	*	36	042302
8821- 3		74	042357
8821- 5		126	042364
8821- 6	*	150	042371
8821- 8	*	202	042388
8821-10		254	042319
8821-12	*	304	042326
8821-20	*	508	042333
8821-28	*	711	042340

8822 Wobble extension

Made in Germany

10 3/8″ 10 3/8″

- **Spherical, conical outside square Swivel angle after each side 8°**
- By attaching a socket until its end stop is reached, the wobble extension may also be used as a rigid connection
- With locking ball
- Surface: chrome-plated, polished





HAZET No.	l mm	EAN-No. 4000896+
8822- 1	36	042418
8822- 3	74	042432
8822-10	254	042425

8830 Extension · flexible

Made in Germany

10 3/8″ 10 3/8″

- Flexible shaft enables operation around troublesome edges and fast working even in areas with restricted access
- With locking ball



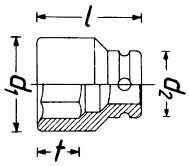
HAZET No.	l mm	EAN-No. 4000896+
8830	210	042487

880 SE Impact socket · TORX®

Made in Germany

10 3/8″

- With borehole for locking pin or safety spring and grove for O-ring
- Surface: phosphatized, oiled





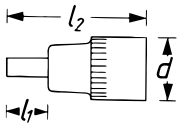
HAZET No.	s	l mm	d_1 mm	d_2 mm	mm	EAN-No. 4000896+
880 S-E 10	E10	28	14	19	9.42	041237
880 S-E 12	E12	28	15.9	19	11.17	041251

8807 S Impact adapter

Made in Germany

10 3/8″

- Drive with borehole for locking pin retaining and grove for O-ring, output with locking pin retaining
- Surface: phosphatized, oiled





HAZET No.	l mm	d mm	EAN-No. 4000896+
• Reducer ☐ input 10 = 3/8″ → ■ output 6.3 = 1/4″			
8807 S	28	22	039937
• Amplifier ☐ input 10 = 3/8″ → ■ output 12.5 = 1/2″			
8807 S-1	35.5	22	039951

8808 S Impact adapter

Made in Germany

10 3/8″ 8 5/16″

- Fixation of power screwdriver sockets with ☐ drive 10 = 3/8″
- With locking pin retaining
- Surface: steel grey, oiled



HAZET No.	l mm	EAN-No. 4000896+
• Adapter ⬢ 8 = 5/16″ → ■ 10 = 3/8″		
8808 S-1	75	040032

880 S Safety spring

Made in Germany

10 3/8″

- For machine-operated sockets in accordance with DIN 3129



HAZET No.	mm	EAN-No. 4000896+
• **Safety spring** for sockets ☐ 10 = 3/8″ 6 – 12 mm, E 5 – E 14		
880 S-HF 612	∅ 16.6x1.2	041428
• **Safety spring** for sockets ☐ 10 = 3/8″ 13 – 19 mm, extensions · universal joints · adapters		
880 S-HF 1319	∅ 18.0x1.2	041411

Components and spare parts from page 482 to 490

½ Range of sockets

900 Socket set

Made in Germany

- Plastic box 165-L (1/3)
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent



HiPer

1/3

360°

900 • ½
10 • 11 • 12 • 13 • 14
15 • 16 • 17 • 18 • 19
20 • 21 • 22 • 23 • 24
26 • 27 • 28 • 30 • 32

915 • ½

916 HP • ½

917-5 • ½ • ½

918-10 • ½ • ½

920 • ½ • ½

HAZET No.	L x W x H mm		EAN-No. 4000896+
900	355x235x65	25	042685

953 HP Socket set

- With HiPer fine-tooth reversible ratchet 916 HP:
  – Symbiosis of power and precision
  – 90 teeth, 4° operating angle
- Plastic box 165-L (1/3)
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent



HiPer

1/3

850 • • ¼
5 • 6 • 7 • 8 • 9
10 • 11 • 12 • 13

863 HP • ¼

866 U • ¼

867-4 • ¼ • ¼

900 • ½
10 • 11 • 12 • 13 • 14
15 • 16 • 17 • 18 • 19
21 • 22 • 24 • 27

916 HP • ½

917-5 • ½ • ½

918-10 • ½ • ½

2204 • • ¼
2 • 3 • 4 • 5 • 6

2208 • • ¼
0.5x4 • 0.6x4.5 • 0.8x5.5

2215 • • ¼
PH 1 • PH 2

2216 • • ¼
PZ 1 • PZ 2

2223 • • ¼
T 10 • T 15 • T 20
T 25 • T 30

2250-1 • ¼ • ¼

HAZET No.	L x W x H mm		EAN-No. 4000896+
953 HP	355x235x65	47	215188

906 Socket set

Made in Germany

- Plastic box 165-L (1/3)
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent



HiPer

1/3

900 • ½
10 • 11 • 12 • 13 • 14
15 • 17 • 19 • 22 • 24
27 • 30 • 32

915 • ½

916 HP • ½

917-5 • ½ • ½

918-10 • ½ • ½

HAZET No.	L x W x H mm		EAN-No. 4000896+
906	355x235x65	17	045891

954 N Socket set

- Additionally with screwdriver sockets coated with CVD titanium nitride (TIN), bits and adapter
- Plastic box 165-L (1/3)
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent



HiPer

1/3

900 • ½
10 • 11 • 12 • 13 • 14
15 • 17 • 19 • 20 • 21
22 • 23 • 24 • 26 • 27
28 • 30 • 32

915 • ½

916 HP • ½

917-5 • ½ • ½

918-10 • ½ • ½

920 • ½ • ½

986 • • ½
5 • 6 • 7 • 8 • 10 • 12 • 14

2217 • • ¼
PH 1 • PH 2 • PH 3 • PH 4

2218 • • ¼
PZ 1 • PZ 2 • PZ 3 • PZ 4

2224 • • ¼
T 27 • T 30 • T 40
T 45 • T 50

2250-5 • ¼ • ½

HAZET No.	L x W x H mm		EAN-No. 4000896+
954 N	355x235x65	44	046621

905 Socket set

Made in Germany
- Sheet metal box (HAZET-blue)
- 2-component soft foam insert



HiPer

900 • ½
8 • 9 • 10 • 11 • 12
13 • 14 • 15 • 16 • 17
18 • 19 • 20 • 21 • 22
23 • 24 • 25 • 26 • 27
28 • 30 • 32

914-15 • ½
915 • ½
916 HP • ½
917-5 • ½ • ½

918-10 • ½ • ½
920 • ½ • ½
980 • ½
2x13

HAZET No.	L x W x H mm		EAN-No. 4000896+
905	435x215x62	30	045846

900 Z Socket set

Made in Germany
- With 12-point sockets
- Plastic box 165-L (1/3)
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent



HiPer

1/3

900 Z • ½
10 • 11 • 12 • 13 • 14
15 • 16 • 17 • 18 • 19
20 • 21 • 22 • 23 • 24
26 • 27 • 28 • 30 • 32

915 • ½
916 HP • ½
917-5 • ½ • ½

918-10 • ½ • ½
920 • ½ • ½

HAZET No.	L x W x H mm		EAN-No. 4000896+
900 Z	355x235x65	25	045440

900 AZ Socket set

Made in Germany
- With 12-point sockets
- **American dimensions**
- Plastic box 165-L (1/3)
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent



HiPer

1/3

900 AZ • ½
3/8 • 7/16 • ½ • 9/16 • 19/32
5/8 • 11/16 • ¾ • 25/32 • 13/16
7/8 • 15/16 • 31/32 • 1 • 1.1/16
1.1/8 • 1.3/16 • 1.1/4

915 • ½
916 HP • ½
917-5 • ½ • ½

918-10 • ½ • ½
920 • ½ • ½

HAZET No.	L x W x H mm		EAN-No. 4000896+
900 A Z	355x235x65	23	043569

932 Socket set

Made in Germany
- Plastic box 165-L (1/3)
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent



HiPer

1/3

900 • ½
10 • 11 • 12 • 13 • 14
15 • 16 • 17 • 18 • 19
21 • 22 • 24 • 27

916 HP • ½
917-5 • ½ • ½

918-10 • ½ • ½
920 • ½ • ½

HAZET No.	L x W x H mm		EAN-No. 4000896+
932/18	355x235x65	18	168378

900 HL Socket rail

- Easy installation: 2 bore holes, e.g. for wall fixation
- Holding clamps adapted to the drive size
- Clear arrangement – sockets are always ready to hand
- Made of metal
- Empty, with 16 holding clamps suitable for sockets of 900 series



HAZET No.	l mm	EAN-No. 4000896+
900 HL	430	043842

Components and spare parts from page 482 to 490

916 Reversible ratchet · fine-tooth

Made in Germany

- **A lot more power than with ratchets with the same dimensions**
- Locking function of the lever prevents unwanted switch
- Longer lifetime by using the latest lubricants in the ratchet mechanism
- Close manufacturing tolerances prevent dirt from getting in
- HAZET internal quality standards guarantee a loading capacity far beyond standard requirements
- High-quality, easy to clean, corrosion-resistant
- Integrated hanging option in the handle
- VPA tested, static torque according to DIN 3122: 1000 Nm
- Number of teeth: 90
- Opening angle: 4°
- With locking ball
- HAZET 2-component handle
- Surface: chrome-plated
- DIN 3122, ISO 3315



HiPer HIGH PERFORMANCE THE ORIGINAL MADE IN GERMANY

YouTube Clip YouTube Clip



HAZET No.	l mm	EAN-No. 4000896+
916 HP	275	213894

916 Reversible ratchet

Made in Germany

- Number of teeth: 32
- Opening angle: 11.25°
- With locking ball
- HAZET 2-component handle
- Surface: chrome-plated, polished
- DIN 3122, ISO 3315



HAZET No.	l mm	EAN-No. 4000896+
916 SP	275	046317

916 Reversible ratchet · with hinge

Made in Germany

- Ratchet head can be swivelled > 180°
- Short design
- Number of teeth: 32
- Opening angle: 11.25°
- With hinge – for working in areas with restricted access and for getting around obstructive edges
- With locking ball
- HAZET 2-component handle
- Surface: chrome-plated, polished
- DIN 3122, ISO 3315





HAZET No.	l mm	EAN-No. 4000896+
916 GK	270	046201

916 Reversible ratchet · long · with hinge joint

Made in Germany

- **Ratchet head can be swivelled > 180°**
- Long design
- Number of teeth: 32
- Opening angle: 11.25°
- With hinge – for working in areas with restricted access and for getting around obstructive edges
- With locking ball
- HAZET 2-component handle
- Surface: chrome-plated, polished
- DIN 3122, ISO 3315





HAZET No.	l mm	b mm	EAN-No. 4000896+
916 GL	511	40	202485

916 Reversible ratchet • short

Made in Germany

- **Only 199 mm short, in compact design of a 3/8 ratchet**
- **Maximum torque: 300 Nm**
- Short design
- Number of teeth: 30
- Opening angle: 12°
- With locking ball
- HAZET 2-component handle
- Surface: chrome-plated, polished
- DIN 3122, ISO 3315





HAZET No.	l mm	EAN-No. 4000896+
916 K	199	155736

916 Reversible ratchet · fine-tooth · long

Made in Germany

½

• A lot more power for ratchets with the same dimensions

- Locking function of the lever prevents unwanted switch
- Longer lifetime by using the latest lubricants in the ratchet mechanism
- Close manufacturing tolerances prevent dirt from getting in
- HAZET internal quality standards guarantee a loading capacity far beyond standard requirements
- High-quality, easy to clean, corrosion-resistant
- Integrated hanging option in the handle
- Long design
- Number of teeth: 90
- Opening angle: 4°
- With locking ball
- HAZET 2-component handle
- Surface: chrome-plated
- Similar to DIN 3122, Similar to ISO 3315



HiPer HIGH PERFORMANCE THE ORIGINAL MADE IN GERMANY

YouTube Clip

YouTube Clip



1000 Nm HiPer

90 ✕4°

HAZET No.	l mm	EAN-No. 4000896+
916 HP L	415	219209

916 Reversible ratchet · fine-tooth · extendable

Made in Germany

½

• A lot more power for ratchets with the same dimensions

- Locking function of the lever prevents unwanted switch
- Longer lifetime by using the latest lubricants in the ratchet mechanism
- Close manufacturing tolerances prevent dirt from getting in
- HAZET internal quality standards guarantee a loading capacity far beyond standard requirements
- High-quality, easy to clean, corrosion-resistant
- Integrated hanging option in the handle
- **Extra long design**
- Number of teeth: 90
- Opening angle: 4°
- With locking ball
- HAZET 2-component handle
- Surface: chrome-plated
- Similar to DIN 3122, Similar to ISO 3315
- Continuously adjustable from 414 to 614 mm (without pre-fixed detent points)
- Easy fixation with knurled clamping nut
- Twist protected handle ensures optimum force transmission without slipping

YouTube Clip



►

916 Reversible ratchet · fine-tooth · extendable

◄

½

HiPer HIGH PERFORMANCE THE ORIGINAL MADE IN GERMANY

reddot winner 2020



1000 Nm HiPer

90 ✕4°

HAZET No.	l_1 mm	l_2 mm	EAN-No. 4000896+
916 HP Lg	414	614	233076

916 Reversible ratchet · fine-tooth

Made in Germany

½

• A lot more power than with ratchets with the same dimensions

- Engaging function of the shift lever provides protection against unwanted switching
- Longer lifetime by using the latest lubricants in the ratchet mechanism
- Close manufacturing tolerances prevent dirt from getting in
- HAZET internal quality standards guarantee a loading capacity far beyond standard requirements
- High-quality, easy to clean, corrosion-resistant
- Integrated hanging option in the handle
- VPA tested, static torque according to DIN 3122: 850 Nm
- Quick-release safety lock
- Sockets are securely locked in place
- Attached tools can easily be released by pressing the button with just one hand
- Number of teeth: 90
- Opening angle: 4°
- With locking ball
- HAZET 2-component handle
- Surface: chrome-plated
- DIN 3122, ISO 3315

YouTube Clip



HiPer HIGH PERFORMANCE THE ORIGINAL MADE IN GERMANY





850 Nm HiPer

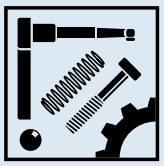
90 ✕4°

HAZET No.	l mm	EAN-No. 4000896+
916 HP S	275	237258

Components and spare parts from page 482 to 490

Wear? – No problem!

- **HAZET** tools are manufactured to **the highest quality**. During long intensive loading there is a certain level of wear even for high-quality tools.
- For this reason, there are spare parts and replacement sets available for many of our tools.

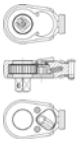


Please also see our spare parts shop
www.hazet.de/ersatzteil-shop

Cost-saving – Sustainable – Resource-saving!
For long-term pleasure with your HAZET tools

916 Replacement set

Made in Germany





HAZET No.	EAN-No. 4000896+
• **Replacement set for ratchet wheel** 12.5 = ½″ ■ consisting of: pawl · compression spring · ball · spring sleeve · shift lever · cover disc · circlip · ratchet wheel · grease · assembly tool For reversible ratchets 916 HP · 916 HP S · 916 HP L · 916 HP Lg	
916 HP/10	218981
• **Replacement set for ratchet wheel with safety lock** 12 = ½″ ■ consisting of: assembly tool · ratchet wheel **with safety lock** · circlip · cover disc · shift lever · spring sleeve · ball · compression spring · pawl · grease For HAZET reversible ratchet 916 HPS as well as for retrofitting HAZET reversible ratchets 916 HP · 916 HP L · 916 HP Lg (reduction to max. 850 Nm peak load)	
916 HP S/10	241255
• **Replacement set for ratchet wheel with safety lock** 12.5 = ½″ ■ consisting of: Shift lever · 2 screws · ball · compression spring · ratchet wheel **with safety lock** · pawl For HAZET reversible ratchet 916 S as well as for retrofitting Hazet reversible ratchets 916 SP · 916 GK · 916 L · 916 ST	
916 S/7	046300
• **Replacement set for shift lever** 12.5 = ½″ ■ consisting of: shift lever · 2 screws · ball and compression spring and pawl For HAZET reversible ratchet 916 S · 916 SP · 916 GK · 916 Lg · 916 L · 916 GL · 916 ST	
916 SP/6	144624
• **Replacement set for ratchet wheel** 12.5 = ½″ ■ consisting of: shift lever · screws · ball · compression spring · ratchet wheel and pawl For HAZET reversible ratchet 916 SP · 916 GK · 916 Lg · 916 L · 916 GL · 916 ST	
916 SP/7-1	046348
• **Replacement set for ratchet wheel** 12.5 = ½″ ■ consisting of: shift lever · screws · ball · ratchet wheel and pawl For HAZET reversible ratchet 916 K	
916 K/7	155743

914 Flexible handle

Made in Germany

Ⓔ 12.5 ½″

- With hinge – for working in areas with restricted access and for getting around obstructive edges
- With locking ball
- HAZET 2-component handle
- Surface: chrome-plated
- DIN 3122, ISO 3315



HAZET No.	l mm	EAN-No. 4000896+
914-15	396	046027
914-18	472	046041

915 Sliding T-handle

Made in Germany

12.5 ½″

- With locking ball
- Surface: chrome-plated, polished
- DIN 3122, ISO 3315



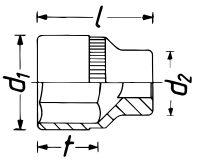
HAZET No.	l mm	EAN-No. 4000896+
915	298	046072

900 Socket · hexagon

Made in Germany

Ⓡ 12.5 ½″

- With knurling
- Surface: chrome-plated, polished
- DIN 3124, ISO 2725-1





* = Not according to DIN

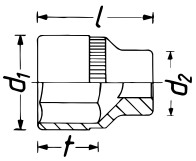
HAZET No.		l mm	d1 mm	d2 mm	t mm	EAN-No. 4000896+
900- 8		38	12	22	7.8	042968
900- 9	*	38	13.5	22	8.8	042975
900-10		38	14.9	22	10.8	042715
900-11		38	16.4	22	10.8	042722
900-12		38	17.5	22	11.3	042739
900-13		38	18.8	22	11.3	042746
900-14		38	20.3	22.5	11.8	042753
900-15		38	21.5	23.2	11.8	042760
900-16		38	22.7	23.6	12.2	042777
900-17		38	24.1	22	12.7	042784
900-18		38	25.4	22.4	14.2	042791
900-19		38	26.6	23	14.2	042807
900-20		38	27.8	24	14.2	042821
900-21		38	29	25	14.1	042838
900-22		41.5	30.4	26	17.6	042845
900-23	*	41.5	31.4	26	17.6	042869
900-24		44	32.6	26	18.2	042876
900-25	*	44	33.9	26	17.9	042883
900-26	*	44	35.1	24	17.8	042890
900-27		46	36.2	25	19.7	042906
900-28	*	47	37.5	26	20.6	042913
900-29	*	50	38.7	27	23.4	042920
900-30		50	40.1	28	23.3	042937
900-32		50	42.3	28	23	042944
900-34		52	46	28	23.3	042951
900-36	*	57	49	28	25.6	192519

900 LG Socket · hexagon

Made in Germany

Ⓡ 12.5 ½″

- Long design
- With knurling
- Surface: chrome-plated, polished
- DIN 3124, ISO 2725-1





HAZET No.	l mm	d1 mm	d2 mm	t mm	EAN-No. 4000896+
900 Lg-10	85	14.9	22	10	053438
900 Lg-12	85	17.5	22	12.3	043873
900 Lg-13	85	18.8	22	13.3	043880
900 Lg-14	85	19.9	22.5	14.2	043897
900 Lg-15	85	21.5	23.2	15.2	043903
900 Lg-16	85	22.7	23.6	16	043910
900 Lg-17	85	24.1	23.6	19	043927

▶

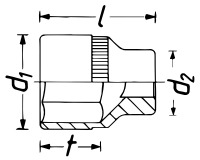
900 LG Socket · hexagon

◀

HAZET No.	l mm	d_1 mm	d_2 mm	t mm	EAN-No. 4000896+
900 Lg-18	85	24.6	23.6	19	043934
900 Lg-19	85	28.5	26	19	043941
900 Lg-21	85	28.6	24.5	19	043965
900 Lg-22	85	30.4	25	22	043972
900 Lg-24	85	32.6	27.5	25	043989
900 Lg-27	85	36.3	30	28	044009
900 Lg-30	85	40.1	33	31	044016
900 Lg-32	85	42.5	35	34.2	049660

900 Z Socket · 12-point

Made in Germany
- With knurling
- Surface: chrome-plated, polished
- DIN 3124, ISO 2725-1



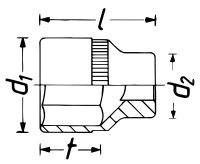


* = Not according to DIN

HAZET No.		l mm	d_1 mm	d_2 mm	t mm	EAN-No. 4000896+
900 Z- 8		38	12	22	7.5	045686
900 Z- 9	*	38	13.5	22	8.5	045693
900 Z-10		38	14.9	22	10.5	045457
900 Z-11		38	16.4	22	10.5	045464
900 Z-12		38	17.5	22	11	045471
900 Z-13		38	18.8	22	11	045488
900 Z-14		38	20.3	22.5	11.5	045495
900 Z-15		38	21.5	23.2	11.5	045501
900 Z-16		38	22.7	23.6	12.5	045518
900 Z-17		38	24.1	22	12.5	045525
900 Z-18		38	25.4	22.4	14	045532
900 Z-19		38	26.6	23	14	045549
900 Z-20		38	27.8	24	14	045556
900 Z-21		38	29	25	14	045563
900 Z-22		41.5	30.4	25	17.5	045570
900 Z-23	*	41.5	31.4	26	17.5	045587
900 Z-24		44	32.6	26	20	045594
900 Z-25	*	44	33.9	26.5	20	045600
900 Z-26	*	44	35.1	24	20	045617
900 Z-27		46	36.2	25	21	045624
900 Z-28	*	47	37.5	26	22	045631
900 Z-30		50	40.1	28	25	045655
900 Z-32	*	50	42.3	28	24	045662
900 Z-33	*	50	43.6	28	24	045679
900 Z-34	*	52	46	28	23.3	144792
900 Z-36	*	57	49	28	25.6	192502

900 AZ Socket · 12-point

Made in Germany
- **American dimensions**
- With knurling
- Surface: chrome-plated, polished





HAZET No.	l mm	d_1 mm	d_2 mm	t mm	EAN-No. 4000896+
900 AZ-3/8	38	14.5	22	10.5	043699
900 AZ-7/16	38	16.4	22	10.5	043729
900 AZ-1/2	38	18.3	22	11	043620
900 AZ-9/16	38	20.5	22.5	11.5	043743
900 AZ-19/32	38	21.5	23.2	11.5	043668
900 AZ-5/8	38	22.7	23.6	12.5	043712
900 AZ-11/16	38	24.6	22	12.5	043637
900 AZ-3/4	38	26.8	23	14	043682

▶

900 AZ Socket · 12-point

◀

HAZET No.	l mm	d_1 mm	d_2 mm	t mm	EAN-No. 4000896+
900 AZ-25/32	38	27.8	24	14	043675
900 AZ-13/16	38	28.6	25	14	043644
900 AZ-7/8	41.5	30.4	26	17.5	043736
900 AZ-15/16	44	32.6	26	20	043651
900 AZ-31/32	44	33.4	24.6	20	043705
900 AZ-1	44	34.6	24.8	20	043576
900 AZ-1.1/16	46	36.3	25	21	043583
900 AZ-1.1/8	47	38.2	26.5	22	043606
900 AZ-1.3/16	50	40.1	28	25	043613
900 AZ-1.1/4	50	42.3	28	24	043590

960 MGT Magnetic insert · for socket

- **Universal application in metric 6-point and 12-point sockets** *s* **10 to 19 mm**

- Sockets made of plastic with integrated magnet
- Powerful retention force
- Reusable
- **10-piece set, for metric** sockets
  s 10 · 11 · 12 · 13 · 14 · 15 · 16 · 17 · 18 · 19 mm



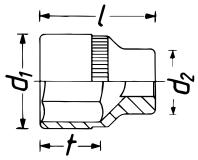


HAZET No.	EAN-No. 4000896+
960 MgT	097661

900 TZ Socket · 12-point

Made in Germany
- Long design
- With knurling
- Surface: chrome-plated, polished
- DIN 3124, ISO 2725-1





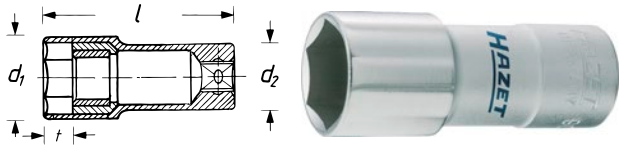
\+ = With rubber ply for spark plugs
* = Not according to DIN

HAZET No.		l mm	d_1 mm	d_2 mm	t mm	EAN-No. 4000896+
900 TZ-10		85	14.9	22	10	053452
900 TZ-11		85	16.4	22	11.5	053445
900 TZ-12		85	17.5	22	12.3	045242
900 TZ-13		85	18.8	22	13.3	045259
900 TZ-14		85	19.9	22.5	15.2	045266
900 TZ-15		85	21.5	23.2	15.2	045273
900 TZ-16		85	22.7	23.6	16	045280
900 TZ-17		85	24.1	23.6	19	045297
900 TZ-18		85	24.6	23.6	19	045310
900 TZ-19		85	26.8	26	19	045334
900 TZ-20.8-13/16	+	85	28.5	24.5	19	045341
900 TZ-21		85	28.6	24.5	19	045358
900 TZ-22		85	30.4	25	22	045365
900 TZ-24		85	32.6	27.5	25	045389
900 TZ-27		85	36.3	30	28	045419
900 TZ-30		85	40.1	33	31	045426

Components and spare parts from page 482 to 490

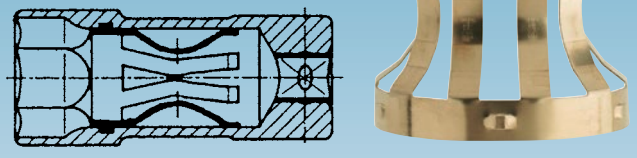
900 MGT Spark plug socket

Made in Germany
- Magnetic bit retention
- **American dimensions**
- Surface: chrome-plated, polished



HAZET No.	s mm	s ″	l mm	d_1 mm	d_2 mm	t mm	EAN-No. 4000896+
900 Mg T	20.8	13/16	68	27.4	23.5	9	044023
900 A Mg T	16	5/8	71	22.5	22.5	8.5	043491

Fixing clamp information

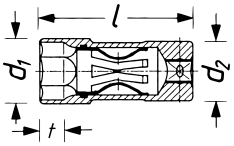


- Stainless and insensitive to heat
- Largest possible clearance of insulator
- 6 spring elements – firm hold of the spark plug
- Damping of transverse motion

900 KF Spark plug socket

Made in Germany
- **The fixing clamp reduces the risk of insulator damage**
- **Fixing clamp** to hold the spark plug
- **American dimensions**
- Surface: chrome-plated, polished





HAZET No.	s mm	s ″	l mm	d_1 mm	d_2 mm	t mm	EAN-No. 4000896+
900 KF	20.8	13/16	71	27.4	25	10	043859
900 A KF	16	5/8	71	22.5	22.5	10	043408

880 KF Fixing clamp

Made in Germany
- **American dimensions**



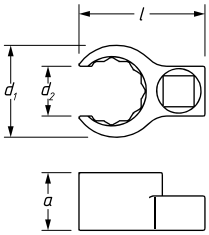
HAZET No.	EAN-No. 4000896+
• **Fixing clamp** for HAZET spark plug wrench 880 KF · 900 KF · 4767 KF	
880 KF-01	050123
• **Fixing clamp** for HAZET spark plug wrench 880 A KF · 900 A KF · 4766 · 4766-1 · 4767 A KF	
880 A KF-01	050130

848 Z Box-end wrench · 12-point · open

Made in Germany
- **Crowfoot Wrenches**
- For union nuts and tube connections
- Square socket



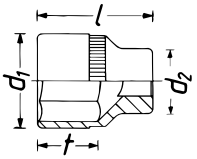




HAZET No.	l mm	d_1 mm	d_2 mm	a mm	mm	EAN-No. 4000896+
848 Z-17	40.9	27.5	14.5	18	☐ 10 = 3/8″	079094
848 Z-18	41.7	29	15	19	☐ 10 = 3/8″	079100
848 Z-19	41.9	30	16	19	☐ 10 = 3/8″	079117
848 Z-21	46	32	16.5	19	☐ 10 = 3/8″	079124
848 Z-22	46.5	33.5	17.5	19.5	☐ 10 = 3/8″	079131
848 Z-24	50	36.5	18.5	20	☐ 10 = 3/8″	079148
848 Z-27	53.7	40.5	20.5	22	☐ 10 = 3/8″	079162
848 Z-30	62.4	46.5	25	23	☐ 12.5 = 1/2″	079179
848 Z-32	63.7	48.5	24.5	23	☐ 12.5 = 1/2″	079186
848 Z-36	67.1	52.5	27.5	24.5	☐ 12.5 = 1/2″	079193
848 Z-41	74.1	58.5	31	24.5	☐ 12.5 = 1/2″	079216
848 Z-46	77.7	64.5	35.5	26.5	☐ 12.5 = 1/2″	079223

900 E TORX® socket

Made in Germany
- With knurling
- Surface: chrome-plated, polished





HAZET No.	s	l mm	d_1 mm	d_2 mm	mm	EAN-No. 4000896+
900-E 10	E10	38	13.3	22	9.42	042982
900-E 11	E11	38	14	22	10.08	043002
900-E 12	E12	38	14.9	22	11.17	043019
900-E 14	E14	38	16.7	22	12.90	043033
900-E 16	E16	38	19	22	14.76	043057
900-E 18	E18	38	21	27	16.70	043071
900-E 20	E20	38	23.5	27	18.49	043095
900-E 24	E24	41.2	28.5	27	22.16	043118

900 TORX® socket

Made in Germany
- With knurling
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent
- Surface: chrome-plated, polished



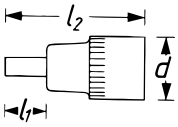
900 E • ⬢ • ½
E 10 • E 12 • E 14 • E 16 • E 18



HAZET No.	L x W mm		EAN-No. 4000896+
900-E/5	172x50	5	129331

980 Screwdriver socket

Made in Germany
• Surface: chrome-plated

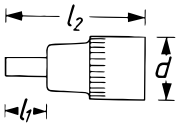




HAZET No.	l_1 mm	l_2 mm	d mm	EAN-No. 4000896+
980-2x13	21	38	22	046737
980-3x19	20	38	23.7	046744

985 Screwdriver socket

Made in Germany
• **Extra short design**
• With knurling
• DIN 7422





* = Not according to DIN

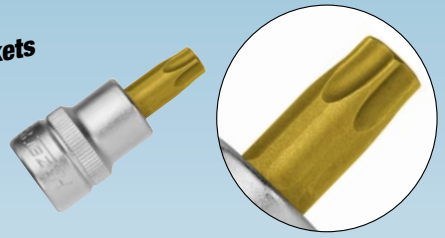
HAZET No.	s mm	l_1 mm	l_2 mm	d mm	EAN-No. 4000896+
985- 5 *	5	5	38	23	046836
985- 6	6	6	38	23	046843
985- 8	8	8	38	23	046850
985-10	10	10	40	25	046775
985-12	12	12	40	25	046782
985-14	14	14	40	25	046799
985-17 *	17	17	42	28	046805
985-19 *	19	19	42	28	046812

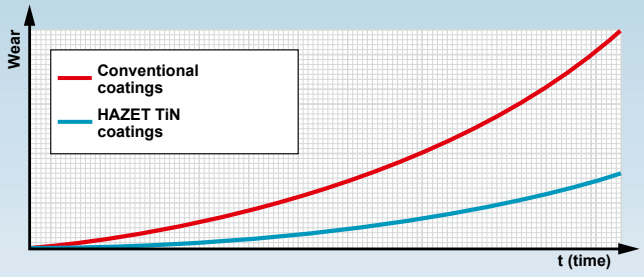
TiN coating

Why choose TiN (Titanium Nitride) coating?

- A special coating process for extremely hard TiN coating guarantees high adhesive strength and wear resistance of the coating
- Particularly suitable for continuous load, e. g. for industrial applications in industry and trade
- Higher wear protection guarantees a longer lifetime
- Perfect fitting accuracy due to optimum coating thickness
- Higher torque
- Optimized corrosion protection

TIN coated screwdriver sockets





985 Screwdriver socket set

Made in Germany
• **Extra short design**
• With knurling
• Sheet metal box (HAZET-blue)
• 2-component soft foam insert
• DIN 7422



HiPer



985 • ○ • ½
5 • 6 • 8 • 10
12 • 14 • 17 • 19



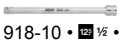
916 HP • ½



917-5 • ½ • ½



915 • ½

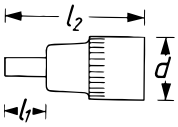


918-10 • ½ • ½

HAZET No.		EAN-No. 4000896+
985	12	046768

986 Screwdriver socket

Made in Germany
• Short design
• With knurling
• Surface: TiN
• DIN 7422





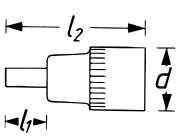
* = Not according to DIN

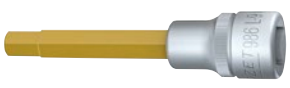
HAZET No.	s mm	l_1 mm	l_2 mm	d mm	EAN-No. 4000896+
986- 4 *	4	22	60	23	046928
986- 5 *	5	22	60	23	046935
986- 6	6	22	60	23	046942
986- 7	7	22	60	23	046959
986- 8	8	22	60	23	046973
986- 9	9	22	60	23	146734
986-10	10	22	60	23	046874
986-12	12	22	60	24.6	046881
986-14	14	22	60	24.6	046898
986-17 *	17	20	60	28.5	046904
986-19 *	19	20	60	31.5	046911
986-22 *	22	20.5	60	28	082865

HAZET No.	s mm	l_1 mm	l_2 mm	d mm	EAN-No. 4000896+
2584	6	32	70	23	017041

986 L Screwdriver socket

Made in Germany
• Long design
• With knurling
• Surface: TiN
• DIN 7422





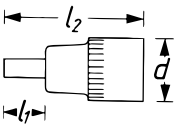
HAZET No.	s mm	l_1 mm	l_2 mm	d mm	EAN-No. 4000896+
986 L- 4	4	62	100	23	232635
986 L- 5	5	62	100	23	232628
986 L- 6	6	62	100	23	232611
986 L- 7	7	62	100	23	232604
986 L- 8	8	62	100	23	232598
986 L- 9	9	62	100	23	232581
986 L-10	10	62	100	23	232574
986 L-11	11	62	100	23	232567
986 L-12	12	62	100	23	232550
986 L-14	14	62	100	23	232543

Components and spare parts from page 482 to 490

986 SL Screwdriver socket

Made in Germany
- **Extra long design**
- With knurling
- Surface: TiN
- DIN 7422

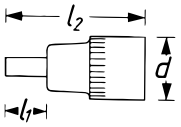




HAZET No.	s mm	l_1 mm	l_2 mm	d mm	EAN-No. 4000896+
986 SL- 4	4	102	140	23	232291
986 SL- 5	5	102	140	23	232376
986 SL- 6	6	102	140	23	232369
986 SL- 7	7	102	140	23	232352
986 SL- 8	8	102	140	23	232345
986 SL- 9	9	102	140	23	232338
986 SL-10	10	102	140	23	232321
986 SL-11	11	102	140	23	232314
986 SL-12	12	102	140	23	232536
986 SL-14	14	102	140	23	232307

986 A Screwdriver socket

Made in Germany
- Short design
- **American dimensions**
- With knurling
- Surface: TiN





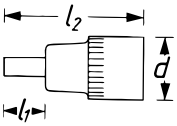
HAZET No.	l_1 mm	l_2 mm	d mm	EAN-No. 4000896+
986 A-5/32	14	52	23	047048
986 A-3/16	14	52	23	047017
986 A-7/32	14	52	23	047062
986 A-1/4	14	52	23	047000
986 A-5/16	14	52	23	047031
986 A-3/8	14	52	23	047024
986 A-7/16	14	52	23	047055
986 A-1/2	14	52	23	046997

HAZET No.	s mm	l_1 mm	l_2 mm	EAN-No. 4000896+
2584-1	6	210	248	017058

986 KK Screwdriver socket

Made in Germany
- Especially for working in areas with restricted access (e.g. engine compartment)
- Long design
- With ball-head
- With knurling
- Surface: TiN





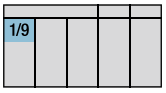
HAZET No.	s mm	l_1 mm	l_2 mm	d mm	EAN-No. 4000896+
986 KK- 5	5	102	140	23	052103
986 KK- 6	6	102	140	23	050666
986 KK- 7	7	102	140	23	052110
986 KK- 8	8	102	140	23	052127
986 KK-10	10	102	140	23	052134
986 KK-12	12	102	140	24.6	052141

HAZET No.	s mm	l_1 mm	l_2 mm	d mm	EAN-No. 4000896+
2527-8	8	200	238	23	016310

986 Screwdriver socket set

Made in Germany
- Short design
- With knurling
- Plastic box 165-S (1/9)
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent
- Surface: TiN
- DIN 7422





360°

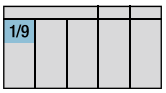


986 • ○ • ½
5 • 6 • 7 • 8 • 10
12 • 14 • 17 • 19

HAZET No.	L x W x H mm		EAN-No. 4000896+
986/9	185x153x52	9	051564

Made in Germany
- Short design
- With knurling
- Plastic box 165-S (1/9)
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent
- Surface: TiN
- DIN 7422





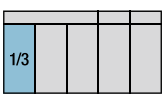


986 • ○ • ½
5 • 6 • 7 • 8 • 9
10 • 12 • 14 • 17

HAZET No.	L x W x H mm		EAN-No. 4000896+
986/9 N	185x153x52	9	193530

Made in Germany
- With ball-head
- With knurling
- Plastic box 165-L (1/3)
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent
- Surface: TiN
- DIN 7422







986 • ○ • ½
5 • 6 • 7 • 8 • 10 • 12 • 14 • 17 • 19



986 KK • ○ • ½
6 • 7 • 8 • 10

HAZET No.	L x W x H mm		EAN-No. 4000896+
986/13	355x235x65	13	168330

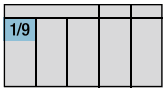
Components and spare parts from page 482 to 490

986 Screwdriver socket set

Made in Germany

- Short design
- With knurling
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent
- Surface: TiN





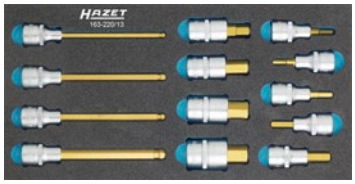


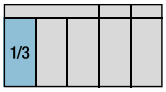
986 • ○ • ½
5 • 6 • 7 • 8 • 10

HAZET No.	L x W mm		EAN-No. 4000896+
163-215/5	172x114	5	168217

Made in Germany

- With ball-head
- With knurling
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent
- Surface: TiN







986 • ○ • ½
5 • 6 • 7 • 8 • 10 • 12 • 14 • 17 • 19



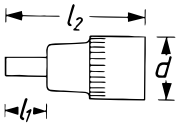
986 KK • ○ • ½
6 • 7 • 8 • 10

HAZET No.	L x W mm		EAN-No. 4000896+
163-220/13	342x172	13	168286

990 Screwdriver socket

Made in Germany

- Short design
- With knurling
- Surface: TiN





HAZET No.	s	l_1 mm	l_2 mm	d mm	EAN-No. 4000896+
990- 5	M5	14	52	23	047307
990- 6	M6	14	52	23	047314
990- 8	M8	15	53	23	047321
990-10	M10	15	53	23	047253
990-12	M12	17	55	23	047277
990-14	M14	20	58	24.6	047284
990-16	M16	22	60	24.6	047291
990-18	M18	45	85	26	108916

990 LG Screwdriver socket

Made in Germany

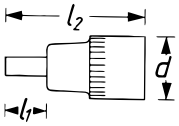
- Long design
- With knurling
- Surface: TiN



►

990 LG Screwdriver socket

◄



HAZET No.	s	l_1 mm	l_2 mm	d mm	EAN-No. 4000896+
990 Lg- 6	M6	62	100	23	056248
990 Lg- 8	M8	62	100	23	047352
990 Lg- 9	M9	62	100	23	103140
990 Lg-10	M10	62	100	23	047338
990 Lg-12	M12	62	100	23	047345
990 Lg-14	M14	62	100	23	065240

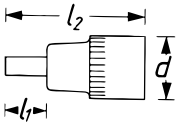
HAZET No.	s	l_1 mm	l_2 mm	d mm	EAN-No. 4000896+
2751	M10	100	140	23	017508

990 SLG Screwdriver socket

Made in Germany

- **Extra long design**
- With knurling
- Surface: TiN





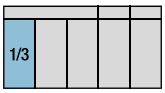
HAZET No.	s	l_1 mm	l_2 mm	d mm	EAN-No. 4000896+
990 S Lg-10	M10	82	120	23	047369
990 S Lg-12	M12	102	140	23	047376

990 Screwdriver socket set

Made in Germany

- With knurling
- Plastic box 165-L (1/3)
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent
- Surface: TiN







990 • ○ • ½
M 8 • M 10 • M 12
M 14 • M 16 • M 18



990 LG • ○ • ½
M 8 • M 14



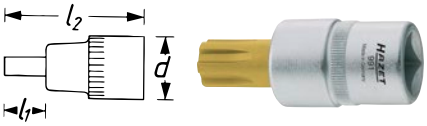
990 SLG • ○ • ½
M 10 • M 12

HAZET No.	L x W x H mm		EAN-No. 4000896+
990/10	355x235x65	10	168347

Components and spare parts from page 482 to 490

991 Screwdriver socket

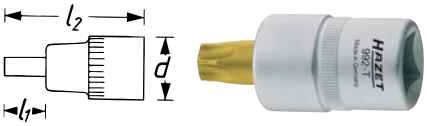
Made in Germany
- Short design
- With knurling
- Surface: TiN



HAZET No.	s	l_1 mm	l_2 mm	d mm	EAN-No. 4000896+
991- 6	M6	25	63	23	047451
991- 7	M7	25	63	23	132799
991- 8	M8	25	63	23	047468
991- 9	M9	25	63	23	132812
991-10	M10	25	63	23	047406
991-12	M12	25	63	23	047413
991-14	M14	25	63	24.6	047420

992 Screwdriver socket TORX®

Made in Germany
- Short design
- With knurling
- Surface: TiN



HAZET No.	s	l_1 mm	l_2 mm	d mm	EAN-No. 4000896+
992-T 20	T20	17	55	23	047475
992-T 25	T25	17	55	23	047482
992-T 27	T27	17	55	23	047499
992-T 30	T30	17	55	23	047505
992-T 40	T40	17	55	23	047512
992-T 45	T45	17	55	23	047529
992-T 50	T50	17	55	23	047543
992-T 55	T55	18	56	24.6	047574
992-T 60	T60	18	56	24.6	047598

992 TORX® screwdriver socket set

Made in Germany
- Short design
- With knurling
- Plastic box 165-S (1/9)
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent
- Surface: TiN



1/9

992 • ○ • ½"
T 20 • T 25 • T 27 • T 30 • T 40 • T 45 • T 50 • T 55 • T 60

HAZET No.	L x W x H mm		EAN-No. 4000896+
992/9	185x153x52	9	051540

992 T TORX® screwdriver socket set

Made in Germany
- With knurling
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent
- Surface: TiN

1/9

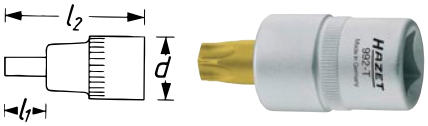
992 • ○ • ½"
T 20 • T 25 • T 27
T 30 • T 40 • T 45
T 50 • T 55 • T 60



HAZET No.	L x W mm		EAN-No. 4000896+
163-271/9	172x114	9	181056

992 H Screwdriver socket TORX®

Made in Germany
- Face side hole
- Short design
- With knurling
- Surface: TiN



HAZET No.	s	l_1 mm	l_2 mm	d mm	mm	EAN-No. 4000896+
992-T 30 H	T30H	17	55	23	5.52	050857
992-T 40 H	T40H	17	55	23	6.65	050864
992-T 45 H	T45H	17	55	23	7.82	050871
992-T 50 H	T50H	17	55	23	8.83	050888
992-T 55 H	T55H	18	56	23	11.22	050895

992 LG Screwdriver socket TORX®

Made in Germany
- Long design
- With knurling
- Surface: TiN



HAZET No.	s	l_1 mm	l_2 mm	d mm	mm	EAN-No. 4000896+
992 Lg-T 50	T50	62	100	23	8.83	103133
992 Lg-T 55	T55	57	96	23.3	11.22	057337
992 Lg-T 60	T60	45	83	23	13.25	100590
992 Lg-T 70	T70	67	105	24.6	15.54	047611

992 SLG Screwdriver socket TORX®

Made in Germany
- **Extra long design**
- Surface: TiN



HAZET No.	s	l_1 mm	l_2 mm	d mm	mm	EAN-No. 4000896+
992 S Lg-T 30	T30	100	138	23	5.52	179183
992 S Lg-T 40	T40	100	138	23	6.65	103539
992 S Lg-T 45	T45	100	138	23	7.82	047635
992 S Lg-T 50	T50	100	138	23	8.83	103454
992 S Lg-T 55	T55	102	138	23	11.22	047642

Components and spare parts from page 482 to 490

163 Screwdriver socket set

Made in Germany

- Safety-Insert-System, 2-component soft foam insert.
  Insert also suitable for HAZET Assistent
- Surface: TiN

TiN E ½"



2/3

986 • ○ • ½"
5 • 6 • 7 • 8 • 10
12 • 14 • 17 • 19

990 • ○ • ½"
M 8 • M 10 • M 12
M 14 • M 16 • M 18

990 SLG • ○ • ½"
M 10 • M 12

986 KK • ○ • ½"
6 • 7 • 8 • 10

990 LG • ○ • ½"
M 8 • M 14

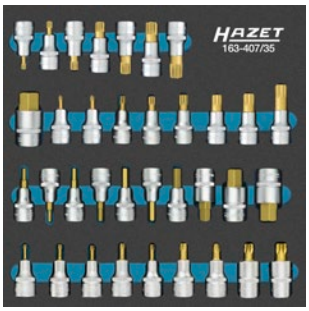
HAZET No.	L x W mm		EAN-No. 4000896+
163-119/23	344x342	23	153510

163 Screwdriver socket set

Made in Germany

- Safety-Insert-System, 2-component soft foam insert.
  Insert also suitable for HAZET Assistent
- Surface: TiN

TiN E ½"



2/3

986 • ○ • ½"
4 • 5 • 6 • 7
8 • 9 • 10 • 12
17 • 19 • 22

990 • ○ • ½"
M 5 • M 6 • M 8
M 10 • M 12 • M 14
M 16 • M 18

991 • ○ • ½"
M 6 • M 7 • M 8
M 9 • M 10 • M 12
M 14

992 • ○ • ½"
T 20 • T 25 • T 27
T 30 • T 40 • T 45
T 50 • T 55 • T 60

HAZET No.	L x W mm		EAN-No. 4000896+
163-407/35	344x342	35	199990

958 Adapter

Made in Germany

- With locking pin retaining
- Surface: chrome-plated
- DIN 3123, ISO 3316

½"



958-1



958-2

HAZET No.	l mm	EAN-No. 4000896+
• Amplifier □ input 12.5 = ½" → ■ output 20 = ¾"		
958-1	50	046676
• Reducer □ input 12.5 = ½" → ■ output 10 = ⅜"		
958-2	36	046683

958 N Adapter set

Made in Germany

- 1 adapter each
- Plastic box 165-S (1/9)
- Safety-Insert-System, 2-component soft foam insert.
  Insert also suitable for HAZET Assistent

E 6.3 ¼" 10 ⅜" ½" 20 ¾"
6.3 ¼" 10 ⅜" ½" 20 ¾"



1/9

858-1 • ⅜" • ¼"

8858-1 • ½" • ⅜"
8858-2 • ¼" • ⅜"

958-1 • ¾" • ½"
958-2 • ⅜" • ½"

1058-2 • ½" • ¾"

HAZET No.	L x W x H mm		EAN-No. 4000896+
958 N/6	185x153x52	6	168316

163 Adapter set

Made in Germany

- Safety-Insert-System, 2-component soft foam insert.
  Insert also suitable for HAZET Assistent

E 6.3 ¼" 10 ⅜" ½" 20 ¾"
6.3 ¼" 10 ⅜" ½" 20 ¾"



1/9

858-1 • ⅜" • ¼"

8858-1 • ½" • ⅜"
8858-2 • ¼" • ⅜"

958-1 • ¾" • ½"
958-2 • ⅜" • ½"

1058-2 • ½" • ¾"

HAZET No.	L x W mm		EAN-No. 4000896+
163-217/6	172x114	6	168231

2250 Adapter

Made in Germany

- Inside square and inside hexagon sockets
- With locking spring to securely hold the bits
- Surface: chrome-plated

½"



HAZET No.	l mm	EAN-No. 4000896+
• □ 12.5 = ½" → ○ 6.3 = ¼"		
2250-4	35	015504
• □ 12.5 = ½" → ○ 8 = 5/16"		
2250-5	36	015511

920 Universal joint

Made in Germany

- With hinge – for working in areas with restricted access and for getting around obstructive edges
- With locking ball
- Surface: chrome-plated, polished
- DIN 3123, ISO 3316

½" ½"



HAZET No.	l mm	EAN-No. 4000896+
920	70	046515

Components and spare parts
from page 482 to 490

917 Extension

Made in Germany

- With locking ball
- Surface: chrome-plated, head polished
- DIN 3123, ISO 3316

½″ ½″



917-1: Length not according to DIN/ISO

HAZET No.	l mm	EAN-No. 4000896+
917-1	45	046362
917-3	76	046379
917-5	123	046386

918 Extension

Made in Germany

- With locking ball
- Surface: chrome-plated, head polished
- DIN 3123, ISO 3316

½″ ½″



918-23 Length not according to DIN/ISO

HAZET No.	l mm	EAN-No. 4000896+
918-10	248	046416
918-23	575	046423

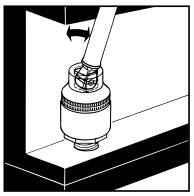
919 Wobble extension

Made in Germany

- **Spherical, tapered outside square**
- **Angular movement to each side 12.5°**

½″ ½″

- By attaching a socket until its end stop is reached, the wobble extension may also be used as a rigid connection
- With locking ball
- Surface: chrome-plated, polished





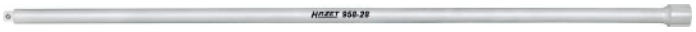
HAZET No.	l mm	EAN-No. 4000896+
919- 1	46	046447
919- 5	123	046461
919-10	248	046454

958-28 Adapter extension

Made in Germany

- For operating deeply located screws, e.g. on gearboxes
- With locking ball
- Surface: chrome-plated

10 ⅜″ ½″



HAZET No.	l mm	EAN-No. 4000896+
• Reducer □ input 12.5 = ½″ → ■ output 10 = ⅜″		
958-28	700	046706

900 S Impact socket set

Made in Germany

- Sheet metal box (HAZET-blue)
- 2-component soft foam insert





900 S • ½
13 • 14 • 16 • 17 • 18
19 • 21 • 22 • 24 • 27



900 SLG • ½
13 • 16 • 17 • 18 • 19
21 • 22 • 24 • 27



9005 S-5 • ½ • ½



9006 S • ½ • ½



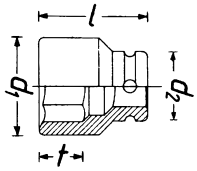
900 S • ½
900 S-HF 1530
900 S-HF 814

HAZET No.	L x W x H mm		EAN-No. 4000896+
900 S	435x215x62	23	057153

900 S Impact socket · hexagon

Made in Germany

- With borehole for locking pin or safety spring and grove for O-ring
- Surface: phosphatized, oiled
- DIN 3129, ISO 2725-2





* = Not according to DIN

HAZET No.	l mm	d_1 mm	d_2 mm	t mm	EAN-No. 4000896+
900 S-13	38	20.8	25	10	044146
900 S-14	38	22.1	25	10	044177
900 S-15	38	23.5	30	11	044191
900 S-16	38	24.8	30	11	044214
900 S-17	38	26.2	30	12	044238
900 S-18	38	27.5	30	12	044283
900 S-19	40	28.8	30	15	044306
900 S-21	40	31.3	30	15	044368
900 S-22	40	32.5	30	15	044382
900 S-24	44	35	30	17.5	044429
900 S-25 *	44	36.3	30	18.5	044450
900 S-27	45	38.8	30	19.5	044498
900 S-30	50	42	30	23.3	073207
900 S-32 *	50	44	30	23	073184



900 SK Impact socket set

Made in Germany

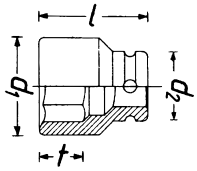
- **Particularly suitable together with short impact wrenches e.g. HAZET HAZET 9012 ATT · 9012 A-1 · 9012 M · 9012 M-1 · 9012 MT**
- **Extra short design**
- With borehole for locking pin or safety spring and grove for O-ring
- Surface: phosphatized, oiled
- DIN 3129, ISO 2725-2







13 • 17 • 19 • 21

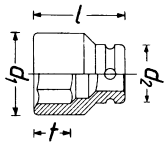


HAZET No.	l mm		EAN-No. 4000896+
900 SK/4	29	4	201785

900 SLG Impact socket · hexagon

Made in Germany

- Long design
- With borehole for locking pin or safety spring and grove for O-ring
- Surface: phosphatized, oiled
- DIN 3129, ISO 2725-2





+ = Reinforced design, with deep hexagon profile for wheel nuts/bolts

HAZET No.	l mm	d_1 mm	d_2 mm	t mm	EAN-No. 4000896+
900 S Lg-13	85	20.8	25	13	044764
900 S Lg-15	85	23.5	30	18	104277
900 S Lg-16	85	24.8	30	16	044788
900 S Lg-17	85	26.2	30	18.5	044801
900 S Lg-18	85	27.5	30	19	044825
900 S Lg-19	85	28.8	30	19.5	044849
900 S Lg-21 +	85	31.3	30	17.5	044863
900 S Lg-22	85	32.5	30	22	044887
900 S Lg-24	85	35	30	19.5	044917
900 S Lg-27	85	38.8	30	29	044931

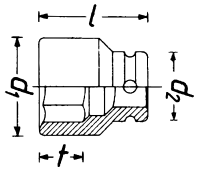
900 SLG6 Impact socket · hexagon

Made in Germany

- **Operation via impact adapter e.g. HAZET 1003S-1 or nut-driver *s* 24 mm enables high force transmission thanks to optimal 20 mm = 3/4" drive**
- Long design
- With borehole for locking pin or safety spring and grove for O-ring
- DIN 3129, ISO 2725-2







HAZET No.	l mm	d_1 mm	d_2 mm	t mm	EAN-No. 4000896+
900 S Lg 6-24	85	35	26.9	25	232789

900 SLG Impact socket · hexagon

Made in Germany

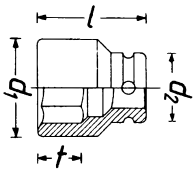
- Releasing tool can be used on both sides, among other things for **Ford** models B-Max, C-Max, EcoSport, Fiesta, Focus, GrandC-Max, KA, Kuga, Mondeo, Puma, Ranger, Tourneo, Transit
- If the chrome cover is damaged or missing, the wheel nut can no longer be operated with the normal 19 mm socket
- *s* 18 mm for use without chrome cover
  s 20 mm for use with damaged / deformed chrome cover
- Operation e.g. with 917 S-3
- Surface: phosphatized, oiled
- DIN 3129, ISO 2725-2











HAZET No.	l mm	d_1 mm	d_2 mm	t mm	EAN-No. 4000896+
900 S Lg-18x20	50	27.5	29	17	241934

9005 S Impact extension

Made in Germany

- With borehole for locking pin or safety spring and grove for O-ring, With locking ball
- Surface: phosphatized, oiled





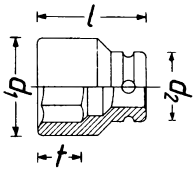
HAZET No.	l mm	EAN-No. 4000896+
917 S-3	75	241927

901 SLG Impact socket · hexagon

Made in Germany

- Especially for wheel mounting or dismounting
- Extra slim style
- Long design
- With borehole for locking pin or safety spring and grove for O-ring
- Surface: phosphatized, oiled
- DIN 3129, ISO 2725-2





HAZET No.	l mm	d_1 mm	d_2 mm	t mm	EAN-No. 4000896+
901 S Lg-17	85	25.7	30	18.5	045723
901 S Lg-19	85	28.2	30	19	045747
901 S Lg-21	85	29.5	30	19.5	118304

Components and spare parts from page 482 to 490

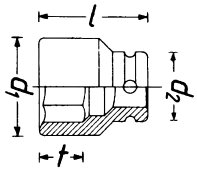
902 SLG Impact socket · hexagon

Made in Germany

- **Plastic insert to protect the surface of the wheel bolts**

- Extra slim style
- Long design
- With borehole for locking pin or safety spring and grove for O-ring
- DIN 3129, ISO 2725-2





HAZET No.	l mm	d_1 mm	d_2 mm	t mm	EAN-No. 4000896+
902 S Lg-17	85	25.7	30	18	045778

903 SLG Impact socket · hexagon

Made in Germany

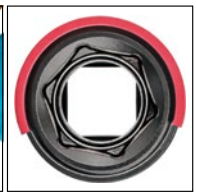
- **Plastic insert to protect the surface of the wheel bolts**
- **Additionally with outside plastic sleeve (replaceable) to protect the rims when screwing the wheel bolts**

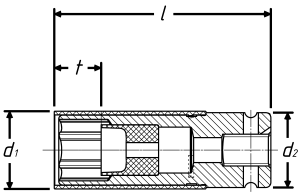
- Colour-coded plastic sleeve facilitates finding the correct size
- Long design
- With borehole for locking pin or safety spring and grove for O-ring
- Surface: phosphatized, oiled

YouTube Clip









HAZET No.	l mm	d_1 mm	d_2 mm	t mm	EAN-No. 4000896+
• Particularly for Smart For Two • Grey plastic sleeve **(non-rotatable)** **903 S Lg-15**	85	26	30	14	072231
• Optimised contours for deeper rim holes in e.g. **AUDI** S-Line, **AMG,** OZ etc. • Plastic sleeve blue **(rotatable)** **903 S Lg-17**	85	28.4	30	14	045822
• Yellow plastic sleeve **(rotatable)** **903 S Lg-19**	85	30.8	30	18	045839
• Especially for aluminium rims for **TESLA**, **TOYOTA, MAZDA** and **KIA** and **SMART** For-Four • Optimised plastic insert, internal, for holding the cap nuts and for use of the entire profile length • Red plastic sleeve **(rotatable)** **903 S Lg-21**	85	31.5	30	17	055135
• Especially for aluminium rims for **OPEL** Insignia • Green plastic sleeve **(non-rotatable)** **Without** plastic insert **903 S Lg-22**	85	30.5	30	22	155453

903 SPC Impact socket set

Made in Germany

- **Plastic insert to protect the surface of the wheel bolts**
- **Outside plastic sleeve (replaceable) to protect the rims when screwing the wheel bolts**

- Colour-coded plastic sleeve, for quickly finding the correct size
- Wrench sizes 17 · 19 · 21 mm
- Long design
- With borehole for locking pin or safety spring and grove for O-ring



903 SLG • • ½
17 • 19 • 21



HAZET No.		EAN-No. 4000896+
903 SPC/3	3	128754

903 SLG Impact socket set

Made in Germany

- 3 sockets each in a practical storage box
- Surface: phosphatized, oiled



YouTube Clip



HAZET No.	l mm		EAN-No. 4000896+
903 S Lg-17 (3x) **903 S Lg-17/3**	85	3	191697
903 S Lg-19 (3x) **903 S Lg-19/3**	85	3	191734



903 SLG6 Impact socket · hexagon

Made in Germany

- **Operation via impact adapter e.g. HAZET 1003S-1 or nut-driver *s* 24 mm enables high force transmission thanks to optimal 20 mm = ¾" drive**

- Hexagon on the socket wrench insert enables adaptation to 20 mm = ¾" drive
- **Rotating outside plastic sleeve** (replaceable) to protect the rims when screwing the wheel bolts
- Colour-coded plastic sleeve facilitates finding the correct size
- **Plastic insert** to protect the surface of the wheel bolts
- Long design
- With borehole for locking pin or safety spring and grove for O-ring
- DIN 3129, ISO 2725-2






HAZET No.	*l* mm	d_1 mm	d_2 mm	*t* mm	EAN-No. 4000896+
• Plastic sleeve blue					
903 S Lg 6-17	85	28.4	27	14	223596
• Plastic sleeve yellow					
903 S Lg 6-19	85	30.8	27	18	223589

903 SLG6 Impact socket set

Made in Germany

- **Operation via impact adapter e.g. HAZET 1003S-1 or nut-driver *s* 24 mm enables high force transmission thanks to optimal 20 mm = ¾" drive**

- Hexagon on the socket wrench insert enables adaptation to 20 mm = ¾" drive
- **Rotating outside plastic sleeve** (replaceable) to protect the rims when screwing the wheel bolts
- Colour-coded plastic sleeve facilitates finding the correct size
- **Plastic insert** to protect the surface of the wheel bolts
- Long design
- With borehole for locking pin or safety spring and grove for O-ring
- DIN 3129, ISO 2725-2








903 SLG6 • ▣ • ½, 17 • 19


1000 S • ¾
1000 S-G 1736
1000 S-H 1736


1003 S-1 • ○ • ¾

HAZET No.	▣	EAN-No. 4000896+
903 S Lg 6/5	5	223602

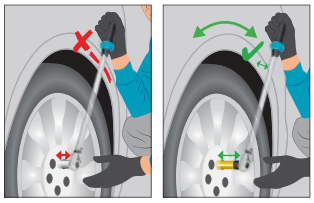
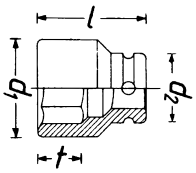
904 SLG Impact socket · hexagon · extra long

Made in Germany

- **Plastic insert to protect the surface of the wheel bolts**

- Safe distance from wing when screwing closed with HAZET torque wrench – no extension necessary
- Outside plastic sleeve (rotatable) to protect the rim
- **Extra long design**
- With borehole for locking pin or safety spring and grove for O-ring



HAZET No.	*l* mm	d_1 mm	d_2 mm	*t* mm	EAN-No. 4000896+
Especially for wheel mounting and dismounting on AMG-rims and/or alloy rims with deeply located wheel bolts					
904 S Lg-17	130	28.3	30	18.3	100576
Particularly suitable for wheel mounting and assembly on SUVs e.g. **PORSCHE** Cayenne, Macan, **AUDI** Q7, Q5, **VW** Touareg					
904 S Lg-19	130	30.8	30	18	203710

905 SLG Impact socket set · hybrid special profile

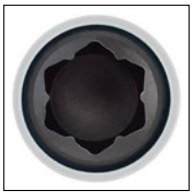
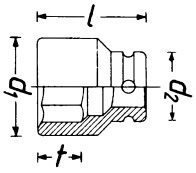
Made in Germany

- **Optimised external contour for better protection of deep rim holes**

- Application: Especially for wheel mounting and dismounting of **light-alloy rims for hybrid wheel bolts in all new MERCEDES-BENZ** vehicles
- **Plastic insert** to protect the surface of the wheel bolts
- **Rotating outside plastic sleeve** to protect the rims when screwing the wheel bolts – no aluminium corrosion through prevention of scratches
- Long design
- With borehole for locking pin or safety spring and grove for O-ring
- On e.g. **MERCEDES-BENZ** C-Class type 204, 204X · E-Class type 211, 212, 207 · SLK type 172 · M-Class type 164, 166 · S-Class type 221, 222 · CL-Class type 216





HAZET No.	*l* mm	d_1 mm	d_2 mm	*t* mm	EAN-No. 4000896+
905 S Lg-17	86	28.4	30	18	198795

Components and spare parts from page 482 to 490

905 SLG Impact socket set · special profile

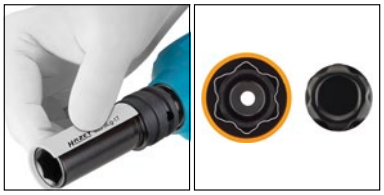
Made in Germany

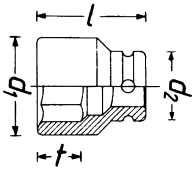
- **Plastic insert to protect the surface of the wheel bolts**
- **Rotating outside plastic sleeve to protect the rims when screwing the wheel bolts – no aluminium corrosion through prevention of scratches**

- Long design
- With borehole for locking pin or safety spring and grove for O-ring
- Wheel nuts with special profile *s* 21 mm on **HYUNDAI** i30, Tucson and **KIA**

360°







HAZET No.	l mm	d1 mm	d2 mm	t mm	EAN-No. 4000896+
905 S Lg-21	86.8	31	30	19.8	201624

900 SLG Plastic sleeve

Made in Germany

HAZET No.	EAN-No. 4000896+
• **Plastic sleeve** blue · for 903 S Lg-17	
903 S Lg-017	045808
• **Plastic sleeve** yellow · for 903 S Lg-19	
903 S Lg-019	045815
• **Plastic sleeve** red · for 903 S Lg-21	
903 S Lg-021	055692
• **Plastic sleeve** green · for 903 S Lg-22	
903 S Lg-022	155255
• **Plastic sleeve** white · for 904 S Lg-17	
904 S Lg-017	203352
• **Plastic sleeve** yellow · for 904 S Lg-19	
904 S Lg-019	205523
• **Plastic sleeve** white · for 905 S Lg-17	
905 S Lg-017	203833
• **Plastic sleeve** orange · for 905 S Lg-21	
905 S Lg-021	203345

900 SZ Impact socket set

Made in Germany

- Surface: phosphatized, oiled
- DIN 3129, ISO 2725-2





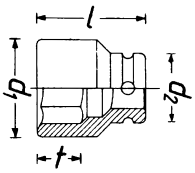
900 SZ • ½
24 • 30 • 32 • 36

HAZET No.		EAN-No. 4000896+
900 SZ/4	4	156375

900 SZ Impact socket · 12-point

Made in Germany

- With borehole for locking pin or safety spring and grove for O-ring
- Surface: phosphatized, oiled
- DIN 3129, ISO 2725-2





HAZET No.	l mm	d1 mm	d2 mm	t mm	EAN-No. 4000896+
900 S Z-12	38	19.5	25	6.8	061785
900 S Z-13	38	20.8	25	6.8	061792
900 S Z-14	38	22.1	25	9.3	061808
900 S Z-15	38	23.5	30	9.3	061815
900 S Z-16	38	24.8	30	9.2	061822
900 S Z-17	38	26.2	30	9.2	061839
900 S Z-18	38	27.5	30	10.7	061846
900 S Z-19	40	28.8	30	11.6	061853
900 S Z-21	40	30	31.3	11.7	075362
900 S Z-22	40	30	32.5	11.7	075379
900 S Z-24	44	35	30	17.5	115556
900 S Z-27	45	38.8	30	17.9	115822
900 S Z-30	50	42	30	23.3	086573
900 S Z-32	50	44.5	30	22.2	115921
900 S Z-34	55	47.5	30	22.2	116034
900 S Z-36	60	50	30	25	100132

HAZET No.	s mm	l mm	d1 mm	d2 mm	t mm	EAN-No. 4000896+
3047-36	36	60	47	30	25	190683

900 SZ6 Impact socket · 12-point

Made in Germany

- **Operation via impact adapter e.g. HAZET 1003S-1 or nut-driver *s* 24 mm enables high force transmission thanks to optimal 20 mm = ¾" drive**

- Hexagon on the socket wrench insert enables adaptation to 20 mm = ¾" drive
- Short design
- With borehole for locking pin or safety spring and grove for O-ring
- 2-component soft foam insert
- Surface: phosphatized, oiled
- Similar to DIN 3129, ISO 2725-2







900 SZ6 • ½,
19 • 21 • 22 • 24
27 • 30 • 32 • 36



1000 S • ¾
1000 S-G 1736
1000 S-H 1736



1003 S-1 • ¾

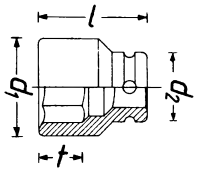
HAZET No.		EAN-No. 4000896+
900 SZ 6/11	11	225378

900 SZ6 Impact socket · 12-point

Made in Germany

- **Operation via impact adapter e.g. HAZET 1003S-1 or nut-driver *s* 24 mm enables high force transmission thanks to optimal 20 mm = ¾″ drive**
- Hexagon on the socket wrench insert enables adaptation to 20 mm = ¾″ drive
- Short design
- With borehole for locking pin or safety spring and grove for O-ring
- Surface: phosphatized, oiled
- Similar to DIN 3129, ISO 2725-2





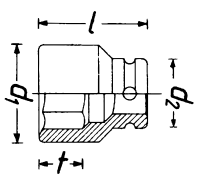


HAZET No.	*l* mm	d_1 mm	d_2 mm	*t* mm	EAN-No. 4000896+
900 SZ 6-19	40	30.5	27	11.6	225293
900 SZ 6-21	40	32.5	27	11.7	225309
900 SZ 6-22	40	32.5	27	11.7	225316
900 SZ 6-24	44	36	27	17.5	225323
900 SZ 6-27	45	40	27	17.9	225330
900 SZ 6-30	50	43	27	23.3	225347
900 SZ 6-32	50	45	27	22.2	225354
900 SZ 6-36	60	53	27	25	225361

900 S-E Impact socket · TORX®

Made in Germany

- With borehole for locking pin or safety spring and grove for O-ring
- Surface: phosphatized, oiled



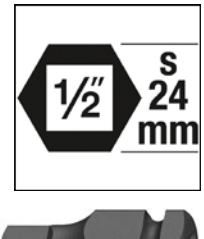


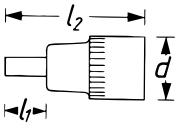
HAZET No.	*s*	*l* mm	d_1 mm	d_2 mm	mm	EAN-No. 4000896+
900 S-E 10	E10	38	14	25	9.42	044542
900 S-E 12	E12	38	15.9	25	11.17	044566
900 S-E 14	E14	38	17.7	25	12.90	044580
900 S-E 16	E16	38	20	25	14.76	044603
900 S-E 18	E18	38	22	30	16.70	044627
900 S-E 20	E20	38	24.5	30	18.49	044641
900 S-E 24	E24	41.2	30	30	22.16	044665

985 S Impact screwdriver socket

Made in Germany

- Drive optionally with
  □ 12.5 mm = ½″ or
  ⬢ 24 mm,
- Optionally with adapter HAZET 1003 S-1
- Short design
- With borehole for locking pin or safety spring and grove for O-ring
- Surface: phosphatized, oiled







►

985 S Impact screwdriver socket

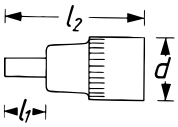
◄

HAZET No.	*s* mm	l_1 mm	l_2 mm	EAN-No. 4000896+
985 S-14	14	9	45	211968
985 S-17	17	11	45	211975
985 S-19	19	13	45	211982
985 S-22	22	20.5	45	218219
985 S-24	24	–	45	218226

Made in Germany

- Drive optionally with
  □ 12.5 mm = ½″ or
  ⬢ 24 mm,
- Optionally with adapter HAZET 1003 S-1
- Long design
- With borehole for locking pin or safety spring and grove for O-ring
- Surface: phosphatized, oiled







HAZET No.	*s* mm	l_1 mm	l_2 mm	EAN-No. 4000896+
985 S-14 Lg	14	9	75	211999
985 S-17 Lg	17	11	75	212002
985 S-19 Lg	19	13	75	212019

Made in Germany

- **□ 20 = ¾″ drive allows transmission of high separation forces**
- Drive optionally with
  □ 12.5 mm = ½″ or
  ⬢ 24 mm,
- Optionally with adapter HAZET 1003 S-1
- With borehole for locking pin or safety spring and grove for O-ring
- Surface: phosphatized, oiled
- Contents:
  s 14, 17, 19 mm in short and long style
  1 adapter 20 = ¾″ on *s* 24 mm
  2 locking pins
  2 O-rings









985 S • ○ • 12.5 ½
14 • 17 • 19



985 S • ○ • 12.5 ½
14 • 17 • 19



1000 S • 20 ¾
1000 S-G 1736
1000 S-H 1736



1003 S-1 • ○ • 20 ¾

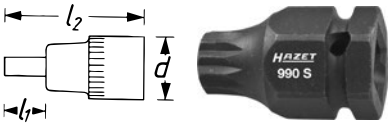
HAZET No.		EAN-No. 4000896+
985 S/11	11	211951

Components and spare parts from page 482 to 490

990 S Impact screwdriver socket

Made in Germany

- Choice of ☐ drive 12.5 = ½″ or ⬢ 24 mm
- Short design
- With borehole for locking pin or safety spring and grove for O-ring
- Surface: phosphatized, oiled





HAZET No.	s	l_1 mm	l_2 mm	EAN-No. 4000896+
VW Passat 3C rear brake carrier screw connection and front shock absorber screw connection, **VW** T4 lower supporting joint. Holding up the shock absorber in **VW** Golf 5, 6, Polo 9N, 9N2, **AUDI** A3 type 8P, TT and **SEAT** León				
990 S-14	M14	4	43	160846
Brake system, camshaft drive wheel and rear brake callipers e.g. **VW** Touareg and Phaeton				
990 S-16	M16	5	43	160853
Installation and removal of the wheel bearing / hub unit e.g. **VW** Touran, model year 2004 →, **AUDI** A3, model year 2004 →, Golf 5 and identical **ŠKODA**				
990 S-18	M18	6	43	160860

Made in Germany

- Choice of ☐ drive 12.5 = ½″ or ⬢ 24 mm
- Long design
- With borehole for locking pin or safety spring and grove for O-ring
- Surface: phosphatized, oiled





HAZET No.	s	l_1 mm	l_2 mm	EAN-No. 4000896+
Rear brake carrier screw connection and front shock absorber connection **VW** Passat 3C Flywheel MB 541-542-904 Holding up the shock absorber in **VW** Golf 5, 6, Polo 9N, 9N2, **AUDI** A3 type 8P, TT, **SEAT** León				
990 S-14 Lg	M14	39.7	75	161003
Brake system, camshaft drive wheel and rear brake callipers e.g. **VW** T5 model year 2004 → 2.5 TDI engine code: AXD, BNZ, Touareg model year 2003 → engine code: BAC, BPE and Phaeton, Atego flywheel.				
990 S-16 Lg	M16	40.6	75	161010
Chassis and for installation and removal of the wheel bearing/ hub unit e.g. **VW** Touran, model year 2004 →, **AUDI** A3, model year 2004 , Golf 5 and identical **ŠKODA**				
990 S-18 Lg	M18	41.1	75	161027

990 S Impact screwdriver socket set

Made in Germany

- ☐ **20 = ¾″ drive allows transmission of high separation forces**

- Choice of ☐ drive 12.5 = ½″ or ⬢ 24 mm
- With borehole for locking pin or safety spring and grove for O-ring
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent
- Surface: phosphatized, oiled
- Installation and removal of the wheel bearing / hub unit
- For e.g. **AUDI** A3 model year 2004→, **VW** Touran model year 2004 →, Golf 5 model year 2003→, **ŠKODA** Octavia model year 2008→, **SEAT** León model year 2005 →
- **990 S-14**: **VW** Passat 3C rear brake carrier screw connection and front shock absorber screw connection, **VW** T4 lower supporting joint. Holding up the shock absorber in **VW** Golf 5, 6, Polo 9N, 9N2, **AUDI** A3 type 8P, TT and **SEAT** León
- **990 S-16**: brake system, camshaft drive wheel and rear brake callipers e.g. **VW** Touareg and Phaeton
- **990 S-18** Installation and removal of the wheel bearing / hub unit e.g. **VW** Touran, model year 2004 →, **AUDI** A3, model year 2004 →, Golf 5 and identical **ŠKODA**
- **990 S-14 Lg**: rear brake carrier screw connection and front shock absorber connection **VW** Passat 3C Flywheel MB 541-542-904
- Holding up the shock absorber in **VW** Golf 5, 6, Polo 9N, 9N2, **AUDI** A3 type 8P, TT, **SEAT** León
- **990 S-16 Lg**: brake system, camshaft drive wheel and rear brake callipers e.g. **VW** T5 model year 2004 → 2.5 TDI engine code: AXD, BNZ, Touareg model year 2003 → engine code: BAC, BPE and Phaeton, Atego flywheel.
- **990 S-18 Lg**: chassis and for installation and removal of the wheel bearing/hub unit e.g. **VW** Touran, model year 2004 →, **AUDI** A3, model year 2004 , Golf 5 and identical **ŠKODA**









990 S • ○ • ½,
M 14 • M 16 • M 18



990 S • ○ • ½,
M 14 • M 16 • M 18



1000 S • ¾
1000 S-G 1736
1000 S-H 1736



1003 S-1 • ○ • ¾

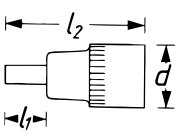
HAZET No.		EAN-No. 4000896+
990 S/11	11	162406



995 S Impact screwdriver socket · TORX®

Made in Germany

- Short design
- With borehole for locking pin or safety spring and grove for O-ring
- Surface: phosphatized, oiled





HAZET No.	s	l_1 mm	l_2 mm	d mm	mm	EAN-No. 4000896+
995 S-T 30	T30	21.4	40	25.1	5.52	047666
995 S-T 40	T40	21.1	40	25.1	6.65	047680
995 S-T 45	T45	21.1	40	25.1	7.82	057597
995 S-T 50	T50	22.4	40	25.1	8.83	047703
995 S-T 55	T55	22.4	40	25.1	11.22	047727
995 S-T 60	T60	22.1	40	25.1	13.25	047741

9007 S Impact adapter

Made in Germany

- With borehole for locking pin or safety spring and grove for O-ring
- Surface: phosphatized, oiled
- DIN 3121





HAZET No.	l mm	EAN-No. 4000896+
• Reducer ☐ input 12.5 = 1/2″ → ■ output 10 = 3/8″		
9007 S	37	072545
• Amplifier ☐ input 12.5 = 1/2″ → ■ output 20 = 3/4″		
9007 S-1	49	043217

9006 S Impact ball joint

Made in Germany

- With hinge – for working in areas with restricted access and for getting around obstructive edges
- With borehole for locking pin or safety spring and grove for O-ring
- Surface: burnished, oiled
- DIN 3121



HAZET No.	l mm	EAN-No. 4000896+
• Angular movement 25°		
9006 S	69	043170

9005 S Impact extension

Made in Germany

- With borehole for locking pin or safety spring and grove for O-ring
- Surface: phosphatized, oiled
- DIN 3121



HAZET No.	l mm	EAN-No. 4000896+
9005 S-5	130	043163

900 S O-ring and connecting pin

Made in Germany



HAZET No.	mm	EAN-No. 4000896+
• **O-ring** for sockets ☐ 12.5 = 1/2″ 8 – 14 mm, 13 mm long style, E 10 – E 16, T 30 – T 60		
900 S-G 1014	∅ 19x4	044689
• **O-ring** For sockets ☐ 12.5 = 1/2″ 15 –36 mm, 16–27 mm long style, E 18 – E 24, extensions, universal joints, adapters		
900 S-G 1527	∅ 24x4	044696
• **Connecting pin** for sockets ☐ 12.5 = ½″ 8 – 14 mm 13 mm long style · E 10 – E 16 T 30 – T 60		
900 S-H 1014	∅ 3x20	044702
• **Connecting pin** for sockets ☐ 12.5 = ½″ 15 – 36 mm · 16 – 27 mm long style E 18 – E 24 extensions · universal joints · adapters		
900 S-H 1527	∅ 3x26	044719

9005 S Impact extension

Made in Germany

- With borehole for locking pin or safety spring and grove for O-ring, With locking ball
- Surface: phosphatized, oiled





HAZET No.	l mm	EAN-No. 4000896+
917 S-3	75	241927

900 S Safety spring

Made in Germany

- For machine-operated sockets in accordance with DIN 3129



HAZET No.	mm	EAN-No. 4000896+
• **Safety spring** for sockets ☐ 12.5 = 1/2″ 8 – 14 mm · E 10 – E 16 For 9000 S		
900 S-HF 814	∅ 21x1.5	044733
• **Safety spring** for sockets ☐ 12.5 = ½″ 15 – 36 mm · E 18 – E 24 extensions · universal joints · adapters		
900 S-HF 1530	∅ 25x1.5	044726

Components and spare parts from page 482 to 490

20 ¾ Range of sockets

1000 Socket set

Made in Germany
• Sheet metal box (HAZET-blue)
• 2-component soft foam insert



1000 • ◉ • 20 ¾
22 • 24 • 27 • 30 • 32
36 • 38 • 41 • 46 • 50

1015-1 • 20 ¾

1017-8 • 20 ¾ • 20 ¾

1014

1016 • 20 ¾

1018 • 20 ¾ • 20 ¾

HAZET No.	L x W x H mm	◉	EAN-No. 4000896+
1000	578x235x88	15	000616

1002 Socket set

Made in Germany
• Sheet metal box (HAZET-blue)
• 2-component soft foam insert



1000 • ◉ • 20 ¾
22 • 24 • 27 • 30
32 • 36 • 38 • 41
46 • 50 • 55 • 60

1015-1 • 20 ¾

1017-8 • 20 ¾ • 20 ¾

1018 • 20 ¾ • 20 ¾

1014

1016 • 20 ¾

1021 • 20 ¾ • 20 ¾

HAZET No.	L x W x H mm	◉	EAN-No. 4000896+
1002	578x235x88	18	001736

1000 Z Socket set

Made in Germany
• With 12-point sockets
• Sheet metal box (HAZET-blue)
• 2-component soft foam insert



1000 Z Socket set

◀

1000 Z • ◉ • 20 ¾
22 • 24 • 27 • 30 • 32
36 • 38 • 41 • 46 • 50

1015-1 • 20 ¾

1017-8 • 20 ¾ • 20 ¾

1014

1016 • 20 ¾

1018 • 20 ¾ • 20 ¾

HAZET No.	L x W x H mm	◉	EAN-No. 4000896+
1000 Z	578x235x88	15	001477

1002 Z Socket set

Made in Germany
• With 12-point sockets
• Sheet metal box (HAZET-blue)
• 2-component soft foam insert



1000 Z • ◉ • 20 ¾
22 • 24 • 27 • 30 • 32
36 • 38 • 41 • 46 • 50

1014

1017-8 • 20 ¾ • 20 ¾

1015-1 • 20 ¾

1018 • 20 ¾ • 20 ¾

1000 • ◉ • 20 ¾
55 • 60

1016 • 20 ¾

1021 • 20 ¾ • 20 ¾

HAZET No.	L x W x H mm	◉	EAN-No. 4000896+
1002 Z	578x235x88	18	001743

1000 AZ Socket set

Made in Germany
• With 12-point sockets
• **American dimensions**
• Sheet metal box (HAZET-blue)
• 2-component soft foam insert



1000 AZ • ◉ • 20 ¾
⅞ • 15/16 • 1 • 1.1/16
1.1/8 • 1.3/16 • 1.1/4 • 1.5/16
1.3/8 • 1.7/16 • 1.1/2 • 1.5/8
1.3/4 • 1.13/16 • 1.7/8 • 2

1014

1016 • 20 ¾

1015-1 • 20 ¾

1017-8 • 20 ¾ • 20 ¾

1018 • 20 ¾ • 20 ¾

HAZET No.	L x W x H mm	◉	EAN-No. 4000896+
1000 AZ	578x235x88	21	000982

▶

1016 Reversible ratchet head

Made in Germany

- Number of teeth: 32
- Opening angle: 11.25°
- Shank with bolt for locking pin retaining, output with locking pin retaining
- Surface: chrome-plated
- DIN 3122, ISO 3315

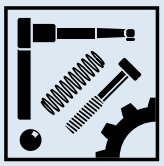
Ⓔ 20 ¾″



HAZET No.	l mm	EAN-No. 4000896+
1016	165	001941

Wear? – No problem!

- **HAZET** tools are manufactured to **the highest quality**. During long intensive loading there is a certain level of wear even for high-quality tools.
- For this reason, there are spare parts and replacement sets available for many of our tools.

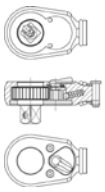


Please also see our spare parts shop
www.hazet.de/ersatzteil-shop

Cost-saving – Sustainable – Resource-saving!
For long-term pleasure with your HAZET tools

1016 Replacement set

Made in Germany





HAZET No.	EAN-No. 4000896+
• **Replacement set for shift lever** consisting of: shift lever · screws · ball · compression spring For HAZET reversible ratchet 1016 · 1016/2 For HAZET torque wrench 5143-3 CT · 5145-3 CT · 6132-1 CT · 6143 CT · 6143-1 CT · 6144 CT · 6144-1 CT · 6145 CT · 6145-1 CT · 6146-1 CT	
1016/6	001972
• **Replacement set for ratchet wheel** 20 = ¾″ ■ consisting of: ratchet wheel · pawl · shift lever · screws · ball · compression spring For HAZET reversible ratchet 1016 · 1016/2 For HAZET torque wrench 5145-3 CT · 6132-1 CT · 6143 CT · 6143-1 CT · 6144 CT · 6144-1 CT · 6145 CT · 6145-1 CT · 6146-1 CT	
1016/8 N	001989

1016 Reversible ratchet head · with handle bar

Made in Germany

- Number of teeth: 32
- Opening angle: 11.25°
- Shank with bolt for locking pin retaining, output with locking pin retaining
- Surface: chrome-plated, polished

Ⓔ 20 ¾″



HAZET No.	l mm		EAN-No. 4000896+
1016/2	620	2	001965

1015 Sliding head · with handle bar

Made in Germany

- Handle bar HAZET 1014 and sliding head 1015-1
- With locking pin retaining
- Surface: chrome-plated, polished
- DIN 3122

20 ¾″



HAZET No.	l mm		EAN-No. 4000896+
1015/2	500	2	001927

1015 Sliding head

Made in Germany

- For handle bar HAZET 1014 or 1014 P
- With locking pin retaining
- Surface: chrome-plated, polished
- DIN 3122

20 ¾″



HAZET No.	l mm	EAN-No. 4000896+
1015-1	60	001910

1014 Handle bar

Made in Germany

- For sliding head HAZET 1015-1 or ratchet head HAZET 1016
- With ball and locking pin retaining
- Surface: chrome-plated
- DIN 3122



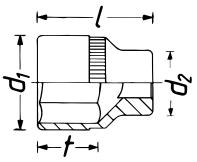
HAZET No.	l mm	EAN-No. 4000896+
1014	500	001897

1000 Socket · hexagon

Made in Germany

- Short design
- With knurling
- With bolt for locking pin retaining
- Surface: chrome-plated, polished
- DIN 3124, ISO 2725-1

⬢ 20 ¾″





* = Not according to DIN

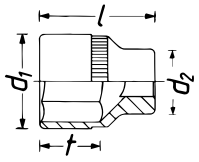
HAZET No.		l mm	d_1 mm	d_2 mm	t mm	EAN-No. 4000896+
1000-19	*	52	28	33.2	14.5	000623
1000-21		52	31	33.2	14	000647
1000-22		52	32	33.2	14	000654
1000-24		52	34	36	16.5	000661
1000-27		54	38	35	19.3	000678
1000-30		55	42	36	21.5	000692
1000-32		58	44.5	36	24	000708
1000-33		59	46	36	24.5	000715
1000-34		60	47.5	36	25.5	000722
1000-36		61.5	49.5	38	26.5	000746
1000-38	*	65	52.5	39	29	000760
1000-41		68.5	55.5	39	32	000784
1000-42	*	70	57.5	41	32	000791
1000-46		73	62	44	34	000807
1000-50		76	67	45	37.1	000814
1000-55	*	82	73.5	45	40.8	000821
1000-60	*	88	80	45	44.9	000838

Components and spare parts
from page 482 to 490

1000 Z Socket · 12-point

Made in Germany

- Short design
- With knurling
- With bolt for locking pin retaining
- Surface: chrome-plated, polished
- DIN 3124, ISO 2725-1





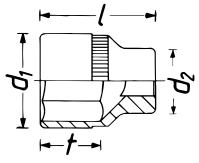
* = Not according to DIN

HAZET No.	l mm	d_1 mm	d_2 mm	t mm	EAN-No. 4000896+
1000 Z-22	52	32	33.2	13.5	001507
1000 Z-24	52	34	36	16	001521
1000 Z-27	54	38	35	18.8	001552
1000 Z-30	55	42	36	21	001583
1000 Z-32	58	44.5	36	23.4	001590
1000 Z-34	60	47.5	36	24.8	001613
1000 Z-35 *	61.5	48.5	35.5	25.8	001620
1000 Z-36	61.5	49.5	36	25.7	001637
1000 Z-38 *	65	52.5	38	28.3	001644
1000 Z-41	68.5	55.5	39	31.2	001651
1000 Z-46	73	62	44	34	001675
1000 Z-50	76	67	45	37.1	001699
1000 Z-55	82	73.5	45	40.8	001712

1000 AZ Socket · 12-point

Made in Germany

- Short design
- **American dimensions**
- With knurling
- With bolt for locking pin retaining
- Surface: chrome-plated, polished



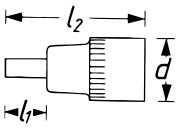


HAZET No.	l mm	d_1 mm	d_2 mm	t mm	EAN-No. 4000896+
1000 AZ-7/8	52	32	33.2	13.5	001170
1000 AZ-15/16	52	34	36	16.9	001132
1000 AZ-1	52	36.5	33.2	16.9	000999
1000 AZ-1.1/16	54	38	35	18.8	001002
1000 AZ-1.1/8	55	40	36	20.8	001033
1000 AZ-1.3/16	55	42	36	21	001064
1000 AZ-1.1/4	58	44.5	36	23.4	001026
1000 AZ-1.5/16	59	46	36	23.9	001095
1000 AZ-1.3/8	61.5	48.5	36	25.8	001088
1000 AZ-1.7/16	63	50	36	27.2	001118
1000 AZ-1.1/2	65	52.5	38	28.6	001019
1000 AZ-1.5/8	68.5	55.5	39	31.2	001101
1000 AZ-1.3/4	72	60	41	33.6	001071
1000 AZ-1.13/16	73	62	44	34	001057
1000 AZ-1.7/8	73	64	45	35	001125
1000 AZ-2	78	68	45	38.7	001149

1010 Screwdriver socket

Made in Germany

- Short design
- With knurling
- With bolt for locking pin retaining
- Surface: chrome-plated, tips burnished
- DIN 7422



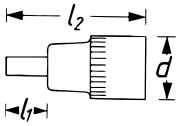


HAZET No.	s mm	l_1 mm	l_2 mm	d mm	EAN-No. 4000896+
1010-14	14	16.7	54.5	36	001842
1010-17	17	19.7	54.5	36	001859
1010-19	19	21.7	56.5	36	001866
1010-22	22	24.7	56.5	36	001873

2784 Brake calliper screwdriver socket

Made in Germany

- **Drive allows transmission of high separation forces**
- Enables controlled screw tightening with the torque value required by the manufacturer (follow manufacturer's instructions) e.g. with torque wrench HAZET 6144-1 CT
- With knurling
- With bolt for locking pin retaining





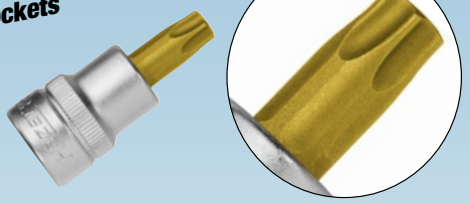
HAZET No.	s mm	l_1 mm	l_2 mm	d mm	EAN-No. 4000896+
2784-14	14	60	112	33.2	155583

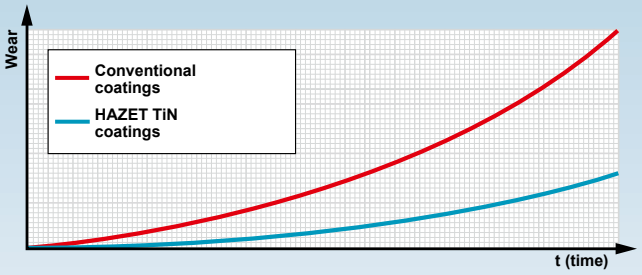
TiN coating

Why choose TiN (Titanium Nitride) coating?

- A special coating process for extremely hard TiN coating guarantees high adhesive strength and wear resistance of the coating
- Particularly suitable for continuous load, e. g. for industrial applications in industry and trade
- Higher wear protection guarantees a longer lifetime
- Perfect fitting accuracy due to optimum coating thickness
- Higher torque
- Optimized corrosion protection

TIN coated screwdriver sockets

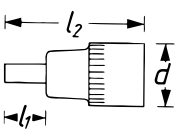




1012 Screwdriver socket TORX®

Made in Germany

- Short design
- With knurling
- With bolt for locking pin retaining
- Surface: TiN





HAZET No.	s	l_1 mm	l_2 mm	d mm	mm	EAN-No. 4000896+
1012-T 60	T60	28	80	33.2	13.25	087488
1012-T 70	T70	28	80	33.2	15.54	087495
1012-T 80	T80	28	80	33.2	17.59	087501
1012-T 90	T90	28	80	33.2	19.95	087518
1012-T 100	T100	28	80	33.2	22.15	087525

1058 Adapter

Made in Germany 20 ¾″

- With bolt for locking pin retaining
- Surface: chrome-plated
- DIN 3123, ISO 3316



1058-1 1058-2

HAZET No.	l mm	EAN-No. 4000896+
• Amplifier ☐ input 20 = ¾″ → ■ output 25 = 1″ • Locking pin retaining		
1058-1	60.6	002061
• Reducer ☐ input 20 = ¾″ → ■ output 12.5 = ½″ • Locking ball • **Replaceable square 1058-02 A**		
1058-2	52.3	002078
• **Insert square** for HAZET adapter 1058-2		
1058-02 A	–	233557

1021 Universal joint

Made in Germany 20 ¾″ 20 ¾″

- With hinge – for working in areas with restricted access and for getting around obstructive edges
- Drive with bolt for locking pin retaining, output with locking pin retaining
- Surface: chrome-plated
- DIN 3123, ISO 3316



HAZET No.	l mm	EAN-No. 4000896+
1021	105	002054

1017 Extension

Made in Germany 20 ¾″ 20 ¾″

- Drive with bolt for locking pin retaining, output with locking pin retaining
- Surface: chrome-plated, polished



1017-8 = DIN 3123, ISO 3316

HAZET No.	l mm	EAN-No. 4000896+
1017-3	75	001996
1017-8	200	002016

1018 Extension

Made in Germany 20 ¾″ 20 ¾″

- Drive with bolt for locking pin retaining, output with locking pin retaining
- DIN 3123, ISO 3316

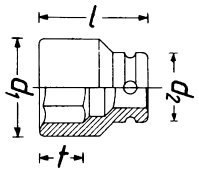


HAZET No.	l mm	EAN-No. 4000896+
1018	400	002030

1000 S Impact socket · hexagon

Made in Germany ■ 20 ¾″

- For extremely high load
- Short design
- With borehole for locking pin or safety spring and grove for O-ring
- Surface: phosphatized, oiled
- DIN 3129, ISO 2725-2





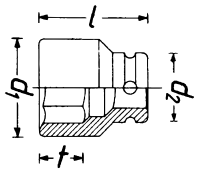
* = Not according to DIN

HAZET No.		l mm	d_1 mm	d_2 mm	t mm	EAN-No. 4000896+
1000 S-19	*	48	32	44	13	001231
1000 S-22		50	36.5	44	16	001248
1000 S-24		50	39.5	44	17	001255
1000 S-27		51	43.5	44	19	001262
1000 S-28	*	54	45	44	19	001279
1000 S-30		54	47.4	44	21	001293
1000 S-32		54	49.9	44	21	001309
1000 S-33	*	54	51.5	44	16	001316
1000 S-34		54	52.4	44	16.8	001323
1000 S-36		57	54.9	44	23	001330

1000 SLG Impact socket · hexagon

- Long design
- With borehole for locking pin or safety spring and grove for O-ring
- Surface: phosphatized, oiled
- DIN 3129, ISO 2725-2

■ 20 ¾″



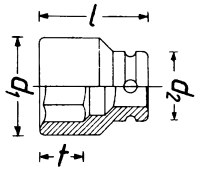


HAZET No.	l mm	d_1 mm	d_2 mm	t mm	EAN-No. 4000896+
1000 S Lg-24	100	39.5	44	17	001392
1000 S Lg-27	100	43.5	44	19	001408
1000 S Lg-30	100	47.5	44	21	001422
1000 S Lg-32	100	50	44	21	001439
1000 S Lg-33 *	100	51.5	44	21	001446
1000 S Lg-36	100	55	44	23	001460

1004 S Impact socket · hexagon

Made in Germany ■ 20 ¾″

- E.g. for **deeply located wheel nuts and bolts** on commercial vehicles
- **Extra long design**
- With borehole for locking pin or safety spring and grove for O-ring
- Surface: phosphatized, oiled
- DIN 3129, ISO 2725-2





HAZET No.	l mm	d_1 mm	d_2 mm	t mm	EAN-No. 4000896+
1004 S-32	400	48	44	32	055784
1004 S-33	400	48	44	32	055791

Components and spare parts from page 482 to 490

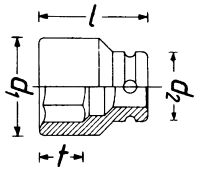
2850 TORX® impact socket

Made in Germany

• Operation of cylinder head bolts

20 ¾″

• Reinforced design
• Long design
• With borehole for locking pin or safety spring and grove for O-ring
• Surface: phosphatized, oiled





HAZET No.	s	l mm	d_1 mm	d_2 mm	mm	t mm	EAN-No. 4000896+
2850-E 20	E20	110	25	44	18.49	15	079681
2850-E 24	E24	110	30	44	22.16	17.5	146758

1003 Impact adapter

Made in Germany

• Operating impact and power screwdriver sockets 900 SZ 6 · 903 SZ 6 · 985 S · 990 S · 1003 S-07

20 ¾″

• Surface: phosphatized, oiled
• ☐ Input 20 = ¾″ → ⬡ output 24 mm



HAZET No.	EAN-No. 4000896+
1003 S-1	161034

Made in Germany

12.5 ½″

• With borehole for locking pin or safety spring and grove for O-ring
• Surface: phosphatized, oiled
• ⬢ Input 24 mm – ■ output 12.5 = ½″



HAZET No.	l mm	EAN-No. 4000896+
1003 S-07	44	215409

1007 S Impact adapter

Made in Germany

20 ¾″

• With borehole for locking pin or safety spring and grove for O-ring
• Surface: phosphatized, oiled
• DIN 3121



1007 S-1



1007 S-2

HAZET No.	l mm	EAN-No. 4000896+
• Reducer ☐ input 20 = ¾″ → ■ output 12.5 = ½″		
1007 S-1	56	001804
• Amplifier ☐ input 20 = ¾″ → ■ output 25 = 1″		
1007 S-2	65	001828

1007 S Impact adapter

Made in Germany

• Replaceable plug-in blades ⬢ 24 mm – ■ drive 12.5 = ½″

12.5 ½″ 20 ¾″

• With borehole for locking pin or safety spring and grove for O-ring
• Surface: phosphatized, oiled
• Adapter / reducer for ☐ input 20 = ¾″ → ■ output 12.5 = ½″





HAZET No.	EAN-No. 4000896+
1007 S-7/4	215416

1006 S Impact ball joint

Made in Germany

20 ¾″ 20 ¾″

• With hinge – for working in areas with restricted access and for getting around obstructive edges
• With borehole for locking pin or safety spring and grove for O-ring
• Surface: burnished, oiled
• DIN 3121



HAZET No.	l mm	EAN-No. 4000896+
1006 S	99	001781

1005 S Impact extension

Made in Germany

20 ¾″ 20 ¾″

• With borehole for locking pin or safety spring and grove for O-ring
• Surface: phosphatized, oiled
• DIN 3121



HAZET No.	l mm	EAN-No. 4000896+
1005 S- 7	175	001774
1005 S-13	330	001767

1000 S O-ring and connecting pin

Made in Germany

20 ¾″



HAZET No.	mm	EAN-No. 4000896+
• **O-ring** for all connections ☐ 20 = ¾″ e.g. 2784-T 60/4 · 990 S/11		
1000 S-G 1736	∅ 36x5	001354
• **Connecting pin** for all connections ☐ 20 = ¾″ e.g. 2784-T 60/4 · 990 S/11		
1000 S-H 1736	∅ 4x36	001361

Components and spare parts from page 482 to 490

25 1″ Range of sockets

1100 Z Socket set

Made in Germany
- With 12-point sockets
- Sheet metal box (HAZET-blue)



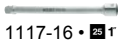

1100 Z • ● • 25 1″
32 • 36 • 41 • 46 • 50 • 55
60 • 65 • 70 • 75 • 80

1114


1115-1 • 25 1″


1116 • 25 1″


1117-8 • 25 1″ • 25 1″


1117-16 • 25 1″ • 25 1″


1121 • 25 1″ • 25 1″

HAZET No.	L x W x H mm		EAN-No. 4000896+
1100 Z	759x305x115	17	002504

1116 Reversible ratchet head

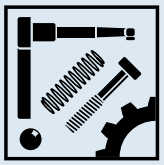
Made in Germany
- Number of teeth: 32
- Opening angle: 11.25°
- Shank with bolt for locking pin retaining, output with locking pin retaining
- Surface: chrome-plated
- DIN 3122, ISO 3315



HAZET No.	l mm	EAN-No. 4000896+
1116	195	003198

Wear? – No problem!

- **HAZET** tools are manufactured to **the highest quality**. During long intensive loading there is a certain level of wear even for high-quality tools.
- For this reason, there are spare parts and replacement sets available for many of our tools.



Please also see our spare parts shop
www.hazet.de/ersatzteil-shop

Cost-saving – Sustainable – Resource-saving!
For long-term pleasure with your HAZET tools

1116 Replacement set

Made in Germany





HAZET No.	EAN-No. 4000896+
• **Replacement set for shift lever** consisting of: shift lever · screws · ball · compression spring For HAZET reversible ratchet 1116 For HAZET torque wrench 6150-1 CT · 6160-1 CT · 6170-1 CT · 7250-2 sTAC · 7250-5 sTAC	
1116/6	003228
• **Replacement set for ratchet wheel** 25 = 1″ ■ consisting of: shift lever · screws · ball · compression spring · pawl · ratchet wheel For HAZET reversible ratchet 1116 For HAZET torque wrench 6160-1 CT · 6170-1 CT	
1116/8 N	003235

1116 Reversible ratchet head · with handle bar

Made in Germany
- Number of teeth: 32
- Opening angle: 11.25°
- Shank with bolt for locking pin retaining, output with locking pin retaining
- Surface: chrome-plated, polished
- DIN 3122



HAZET No.	l mm		EAN-No. 4000896+
1116/2	824	2	003211

1115 Sliding head · with handle bar

Made in Germany
- With locking pin retaining
- Surface: chrome-plated, polished
- DIN 3122



HAZET No.	l mm		EAN-No. 4000896+
1115/2	700	2	003181

1115 Sliding head

Made in Germany
- For handle bar HAZET 1114
- With locking pin retaining
- Surface: chrome-plated, polished
- DIN 3122



HAZET No.	l mm	EAN-No. 4000896+
1115-1	80	003167

Components and spare parts
from page 482 to 490

1114 Handle bar

Made in Germany
- For sliding head HAZET 1115-1 or ratchet head HAZET 1116
- With ball and locking pin retaining
- Surface: chrome-plated
- DIN 3122



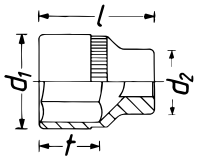
HAZET No.	l mm	EAN-No. 4000896+
1114	700	003150

1100 Z Socket · 12-point

Made in Germany

25 1″

- Short design
- With knurling
- With bolt for locking pin retaining
- Surface: chrome-plated, polished
- DIN 3124, ISO 2725-1





* = Not according to DIN

HAZET No.		l mm	d_1 mm	d_2 mm	t mm	EAN-No. 4000896+
1100 Z-32	*	60	48	46	22	002511
1100 Z-36	*	67	52	48	28.5	002528
1100 Z-41		68	57	48	29.5	002535
1100 Z-46		72	62	48	32	002542
1100 Z-50		74	68	48	35	002559
1100 Z-55		78	74	48	36.5	002566
1100 Z-60		83	80	48	40.5	002573
1100 Z-65		86	88	60	43.5	002580
1100 Z-70		89	96	60	46.5	002603
1100 Z-75		92	102	60	49.5	002610
1100 Z-80		94	108.5	60	52.5	002627

1158 Adapter

Made in Germany

20 ¾″ 25 1″

- Drive with bolt for locking pin retaining, output with locking pin retaining
- Surface: chrome-plated
- DIN 3123, ISO 3316



HAZET No.	l mm	EAN-No. 4000896+
• Reducer ☐ input 25 = 1″ → ■ output 20 = ¾″		
1158-2	70	003297

1121 Universal joint

Made in Germany

25 1″ 25 1″

- With hinge – for working in areas with restricted access and for getting around obstructive edges
- Drive with bolt for locking pin retaining, output with locking pin retaining
- Surface: chrome-plated



HAZET No.	l mm	EAN-No. 4000896+
1121	144	003273

1117 Extension

Made in Germany

25 1″ 25 1″

- Drive with bolt for locking pin retaining, output with locking pin retaining
- Surface: chrome-plated, polished
- DIN 3123, ISO 3316



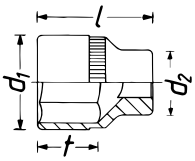
HAZET No.	l mm	EAN-No. 4000896+
1117- 8	200	003259
1117-16	400	003242

1100 S Impact socket · hexagon

Made in Germany

25 1″

- For extremely high load
- Short design
- With borehole for locking pin or safety spring and grove for O-ring
- Surface: phosphatized, oiled
- DIN 3129, ISO 2725-2





* = Not according to DIN

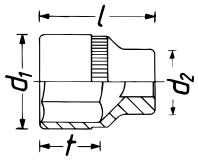
HAZET No.		l mm	d_1 mm	d_2 mm	t mm	EAN-No. 4000896+
1100 S-24		58	41.5	54	17	002207
1100 S-27		60	45	54	19	002214
1100 S-30		62	49	54	21	002221
1100 S-32		63	51.5	54	21	002238
1100 S-33	*	63	52.5	54	21	002252
1100 S-34		63	53.5	54	22	002269
1100 S-36		67	56.5	54	23	002276
1100 S-41		70	63	54	26	002290
1100 S-46		76	69.5	54	28	002320
1100 S-50		82	74.5	54	30	002344
1100 S-55		87	81	54	32	002351
1100 S-60		91	87	54	34	002375

1100 SLG Impact socket · hexagon

Made in Germany

25 1″

- Long design
- With borehole for locking pin or safety spring and grove for O-ring
- Surface: phosphatized, oiled
- DIN 3129, ISO 2725-2





HAZET No.		l mm	d_1 mm	d_2 mm	t mm	EAN-No. 4000896+
1100 S Lg-24		110	41.5	54	17	002405
1100 S Lg-27		110	45	54	19	002412
1100 S Lg-30		110	49	54	21	002429
1100 S Lg-32		110	51.5	54	21	002436
1100 S Lg-33		110	52.5	54	21	002443
1100 S Lg-36		110	56.5	54	23	002467
1100 S Lg-38		110	59	54	24	002474
1100 S Lg-41		110	63	54	26	002481
1100 S Lg-46		110	69.5	54	28	002498

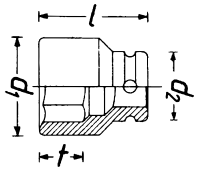
1104 S Impact socket · hexagon

Made in Germany

25 1″

- E.g. for **deeply located wheel nuts and bolts** on commercial vehicles
- **Extra long design**
- With borehole for locking pin or safety spring and grove for O-ring
- Surface: phosphatized, oiled
- DIN 3129, ISO 2725-2





HAZET No.	l mm	d_1 mm	d_2 mm	t mm	EAN-No. 4000896+
1104 S-32	270	48.5	54	30.5	002665

1107 S Impact adapter

Made in Germany

20 ¾″ 25 1″

- With borehole for locking pin or safety spring and grove for O-ring
- Surface: phosphatized, oiled
- DIN 3121



HAZET No.	l mm	EAN-No. 4000896+
• Reducer ☐ input 25 = 1″ → ■ output 20 = ¾″		
1107 S	70	002733

1106 S Impact ball joint

Made in Germany

25 1″ 25 1″

- With hinge – for working in areas with restricted access and for getting around obstructive edges
- With borehole for locking pin or safety spring and grove for O-ring
- Surface: burnished, oiled
- DIN 3121



HAZET No.	l mm	EAN-No. 4000896+
1106 S	125	002719

1105 S Impact extension

Made in Germany

25 1″ 25 1″

- With borehole for locking pin or safety spring and grove for O-ring
- Surface: phosphatized, oiled
- DIN 3121



HAZET No.	l mm	EAN-No. 4000896+
1105 S- 7	180	002702
1105 S-13	330	002696

1100 S O-ring and connecting pin

Made in Germany

25 1″ 25 1″



HAZET No.	mm	EAN-No. 4000896+
• **O-ring** for all connections ☐ 25 = 1″		
1100 S-G 2260	∅ 45x7	002382
• **Connecting pin** for all connections ☐ 25 = 1″		
1100 S-H 2260	∅ 5x45	002399



Components and spare parts from page 482 to 490

TORX® Tools

1557 Tool set TORX®

Made in Germany

- Plastic box 165-S (1/9)
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent



1/9

850 E • 6.3 ¼″
E 4 • E 5 • E 6

880 E • 10 ⅜″
E 8 • E 10 • E 12

900 E • 12.5 ½″
E 14 • E 18 • E 20

HAZET No.	L x W x H mm		EAN-No. 4000896+
1557/9	185x153x52	9	003907

Made in Germany

- Plastic box 165-S (1/9)
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent
- Surface: TiN



1/9

8502 • 6.3 ¼″
T 8 • T 10 • T 15

8802 • 10 ⅜″
T 20 • T 25 • T 30

992 • 12.5 ½″
T 40 • T 50 • T 55 • T 60

HAZET No.	L x W x H mm		EAN-No. 4000896+
1557/10	185x153x52	10	003716

Made in Germany

- Plastic box 165-L (1/3)
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent
- Surface: TiN

HiPer



1/3

880 E • 10 ⅜″
E 5 • E 6 • E 7 • E 8
E 10 • E 11 • E 12 • E 14

8802 • 10 ⅜″
T 15 • T 20 • T 25 • T 27
T 30 • T 40 • T 45 • T 50

8816 HP • 10 ⅜″

8815 • 10 ⅜″

8820 • 10 ⅜″ • 10 ⅜″

8821 • 10 ⅜″ • 10 ⅜″
8821-3 • 8821-6

►

1557 Tool set TORX®

◄

TiN

HAZET No.	L x W x H mm		EAN-No. 4000896+
1557/21	355x235x65	21	003822

- Plastic box 165-L (1/3)
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent



1/3

609 •
E 6, E 8 • E 10, E 12
E 14, E 18 • E 20, E 24

900 E • 12.5 ½″
E 10 • E 12 • E 14

2223 • 6.3 ¼″
T 30 H

2223 LG • 6.3 ¼″
T 25

850 E • 6.3 ¼″
E 5 • E 6 • E 7 • E 8

992 • 12.5 ½″
T 55 • T 60

2224 • 8 ⅛″
T 40 • T 45 • T 50

880 E • 10 ⅜″
E 10 • E 12 • E 14

2223 • 6.3 ¼″
T 10 • T 20 • T 25
T 27 • T 30

2250-1 • 6.3 ¼″ • 6.3 ¼″
2250-3 • 8 ⅛″ • 10 ⅜″
2250-5 • 8 ⅛″ • 12.5 ½″

HAZET No.	L x W x H mm		EAN-No. 4000896+
1557/29	355x235x65	29	003846

- **Equipped with 2 bits of each size**
- Plastic box 165-S (1/9)
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent



1/9

T 6 • T 7 • T 8 • T 9
T 10 • T 15 • T 20 • T 25
T 27 • T 30

T 40 • T 45 • T 50 • T 55

2250-1 • 2250-2
2250-3 • 2250-5

HAZET No.	L x W x H mm		EAN-No. 4000896+
1557/32	185x153x52	32	003860

Components and spare parts from page 482 to 490

1557 Tool set TORX®

- Plastic box 165-L (1/3)
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent



HiPer

1/3

609 • E 6, E 8 • E 10, E 12 E 14, E 18 • E 20, E 24

803-T • T 6 • T 7 • T 8 • T 9 T 10 • T 15 • T 20 • T 25 T 27 • T 30

850 E • 6.3 • E 4 • E 5 • E 6 • E 7 • E 8

880 E • 10 • E 10 • E 11 • E 12 • E 14

8802 • 10 • T 40 • T 45

900 E • 12½ • E 16 • E 18 • E 20 • E 24

992 • 12½ • T 50 • T 55 • T 60

2115 • T 6 • T 7 • T 8 • T 9 T 10 • T 15 • T 20 • T 25 T 27 • T 30 • T 40

2223 • T 6

2223 • T 7 H • T 8 H • T 9 H T 10 H • T 15 H • T 20 H T 25 H • T 27 H • T 30 H T 40 H

2223 LG • T 25

2250-1 • 6.3 • 6.3
2250-2 • 6.3 • 10

863 HP B • 6.3

HAZET No.	L x W x H mm		EAN-No. 4000896+
1557/58	355x235x65	58	003884

Made in Germany

- Plastic box 165-L (1/3)
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent



1/3

850 E • 6.3 • E 5 • E 6 • E 7 • E 8 E 10 • E 11 • E 12

8502 • 6.3 • T 8 • T 9 • T 10 T 15 • T 20 • T 25 T 27 • T 30 • T 40

900 E • 12½ • E 12 • E 14 • E 16 E 18 • E 20 • E 24

992 • 12½ • T 20 • T 25 • T 27 T 30 • T 40 • T 45 T 50 • T 55 • T 60

992 SLG • 12½ • T 30 • T 40 • T 45 • T 50

HAZET No.	L x W x H mm		EAN-No. 4000896+
1557/35	355x235x65	35	239887

163 Tool set · TORX®

Made in Germany

- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent
- Surface: TiN



850 E • 6.3 • E 4 • E 5 • E 6 • E 7 • E 8 • E 10 • E 11

8502 • 6.3 • T 10 • T 15 • T 20 • T 25 T 27 • T 30 • T 40

HAZET No.	L x W mm		EAN-No. 4000896+
163-251/14	172x50	14	178063

Made in Germany

- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent
- Surface: TiN



880 E • 10 • E 8 • E 10 • E 12 • E 14

8802 • 10 • T 25 • T 30 • T 40 T 45 • T 50

HAZET No.	L x W mm		EAN-No. 4000896+
163-252/9	172x50	9	178070

Made in Germany

- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent



1/9

900 E • 12½ • E 10 • E 12 • E 14 • E 16 • E 18 • E 20

992 • 12½ • T 30 • T 40 • T 45 • T 50 • T 55 • T 60

HAZET No.	L x W mm		EAN-No. 4000896+
163-245/12	172x114	12	178049



Components and spare parts from page 482 to 490

Screwdrivers / Bits

HEXAnamic® screwdriver with 3-component handle [802]		186 – 187
Screwdriver with 2-component handle, short form [801 N K]		187
Screwdriver with impact cap, with 3-component handle [810 U]		187 – 188
Screwdriver with 3-component handle [810]		188 – 189
Trinamic® screwdriver with 1-component handle [803]		189 – 190
Screwdriver with protective insulation, 2-component handle [810]		256 – 257
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Nut-driver [426 / 428]		191 – 192
Screwdriver with 2-component T-handle [828]		192 – 193
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6.3 ¼" Bit sets [863 / 2200 / 2240]		199 – 200
6.3 ¼" Bits [2208 – 2225]		201 – 202
6.3 ¼" Operating tools and adapters for bits [810 / 863 / 2264 – 2265]		202 – 204
8 5/16" Bit sets [2272]		204
8 5/16" Bits [2210 – 2212]		204 – 206
8 5/16" Operating tools and connectors for screwdriver bits [2250 – 2272]		206

HAZET HEXAnamic® screwdriver 802

Anatomically shaped screwdrivers according to the latest developments in ergonomic research



product design award 2009

① Grey tips for **optimal corrosion protection** and **perfect hold** of the blade in the screw head

② **Integrated hex bolster** For use with wrench to transfer higher torques

③ **Component no. 1 (hard):** Blade firmly fixed to the handle

④ **Component no. 3 (soft):** For exceptional slide-off protection at axial contact pressure

⑤ **Component no. 2 (hard):** Stability against external impact

⑥ With **offset hexagon** at the front of the handle:
- **Slide-off protection**
- **Anti-roll protection**

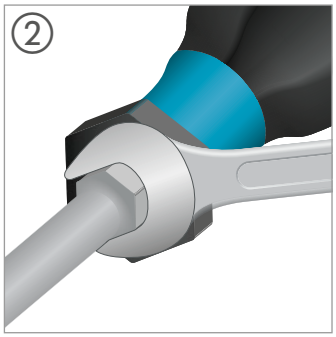
⑦ Well-sized **spinning area**

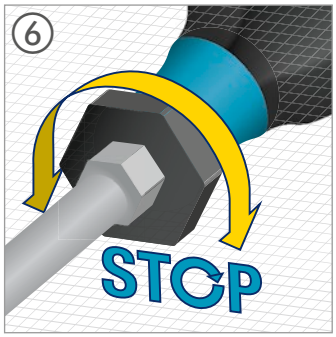
⑧ **Non-slipping** even with greasy hands

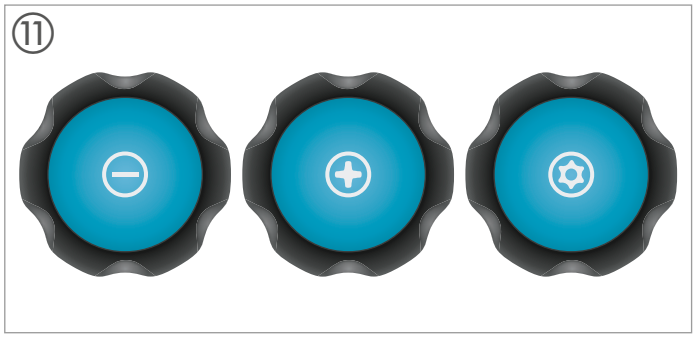
⑨ Ergonomically shaped for perfect contact between hand and screwdriver

⑩ **6 deepened gripping areas** for high power transmission

⑪ **Imprinted screw profile** for finding the right screwdriver fast – at any time!



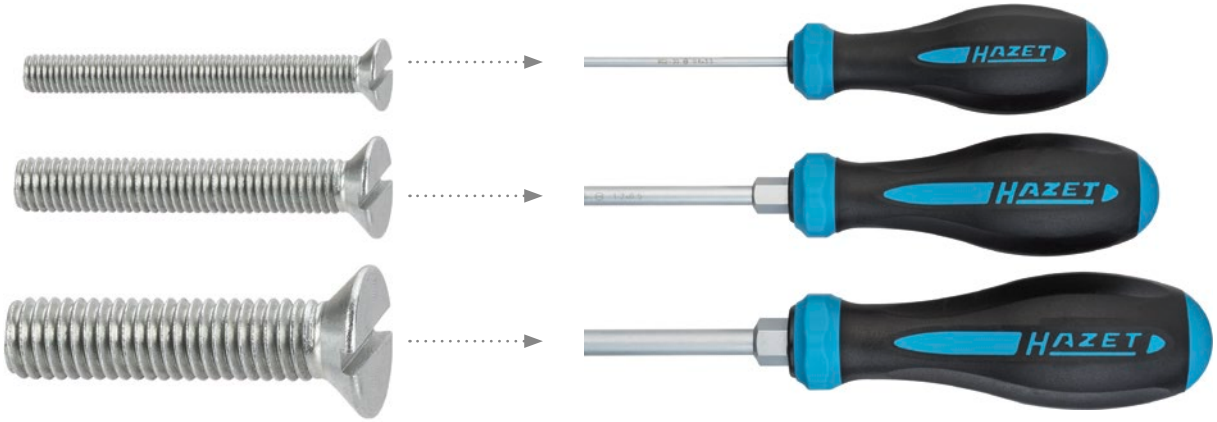


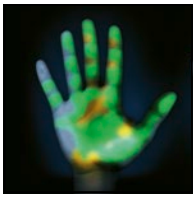


Components and spare parts from page 482 to 490

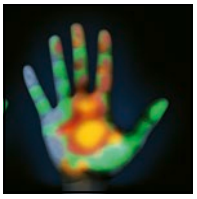
HAZET handle design 802

Optimally adapted to the screw sizes

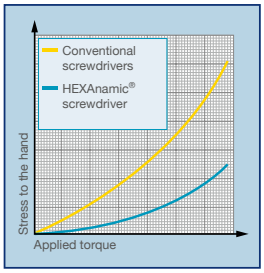




HEXAnamic® handle
= low pressure

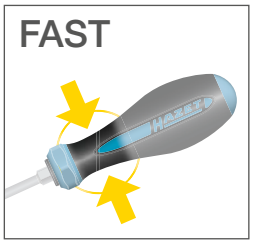


Conventional handle
= high pressure





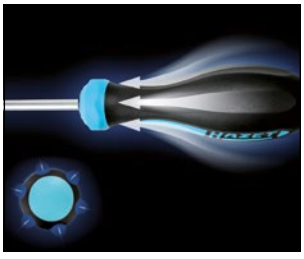


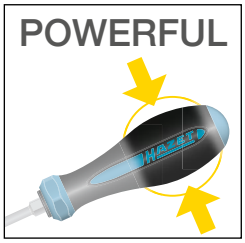


HAZET design elements for spinning

- Well-sized slim spinning area at the end of the handle guarantees fast turning
- Optimal for fast and sensitive screw fitting





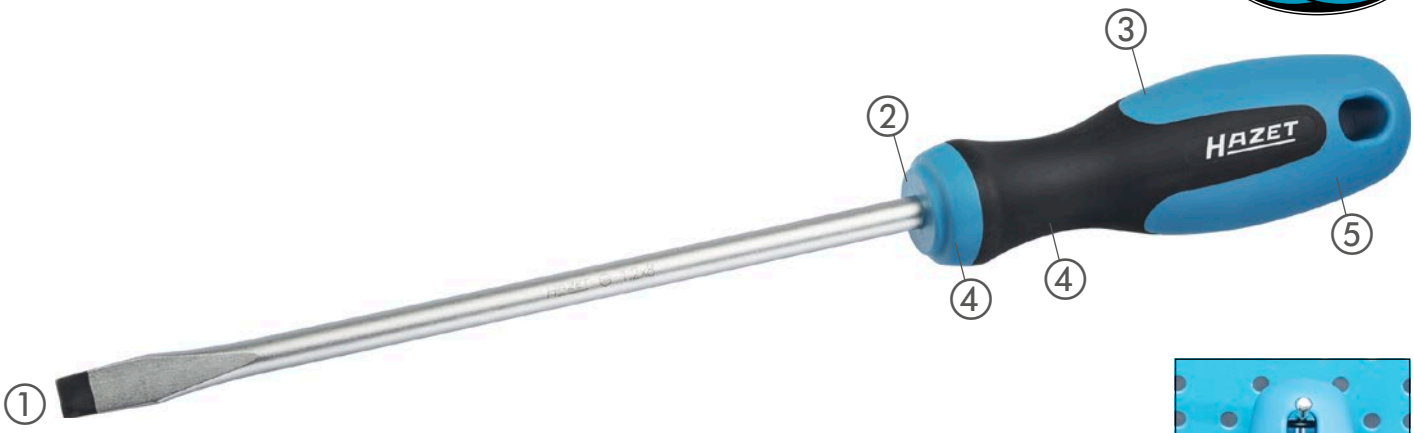


HAZET design elements for powerful effect when working with screws

- 6 deepened hand-friendly gripping areas for high power transmission
- Ergonomically shaped handle for perfect contact between hand and screwdriver
- Also suited for continuous operation thanks to user-friendly design
- Strong slide-off protection for safe work and high tightening torque for contact pressure

HAZET Screwdrivers 810

The new economical screwdriver





① Black coated tip for **optimal corrosion protection** and **perfect hold** of the blade in the screw head

② • **Slide-off protection**
• **Anti-roll protection**



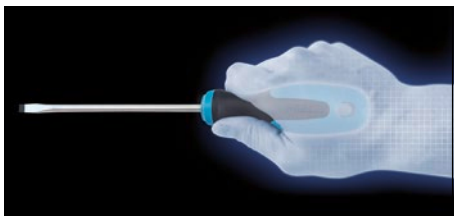
③ The HAZET **3-component handle** always ensures optimum power and grip. The softer, non-slipping components allow for a secure hold. The distinct slide-off zones ensure power through perfect friction locking.

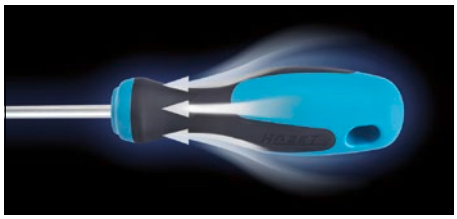
④ Hard component

⑤ Soft component





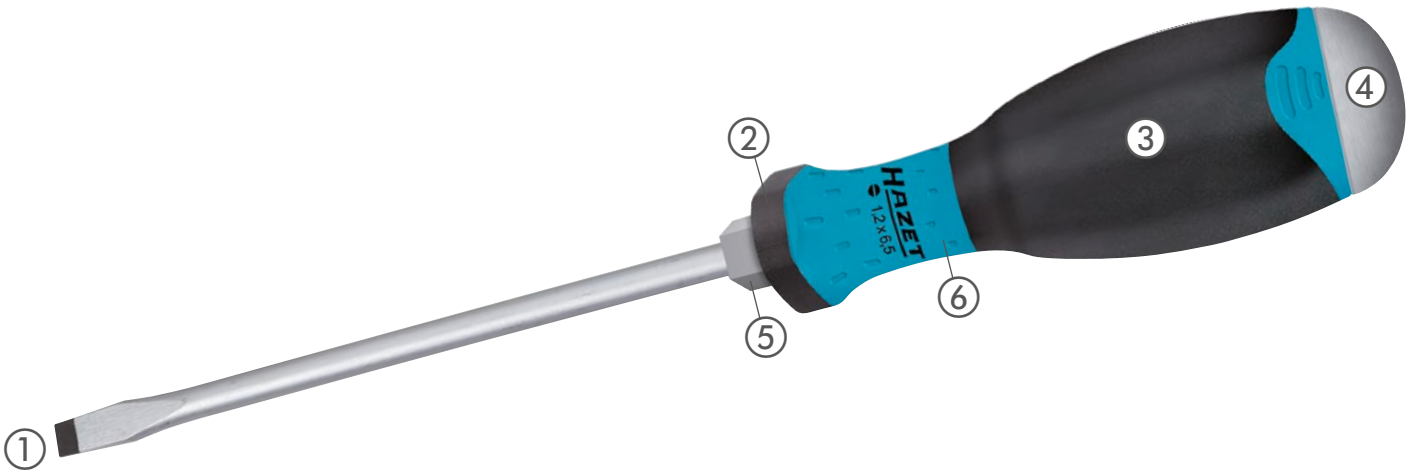




Components and spare parts
from page 482 to 490

HAZET screwdriver 810 U with impact cap

For screwing and more!



① Black coated tip for **optimal corrosion protection** and **perfect hold** of the blade in the screw head

②
- **Slide-off protection**
- **Anti-roll protection**

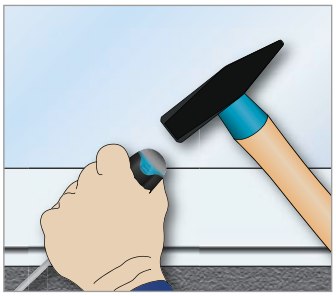


③ The HAZET **3-component handle** always ensures optimum power and grip. The softer, non-slipping components allow for a secure hold.
The distinct slide-off zones ensure power with perfect friction locking.

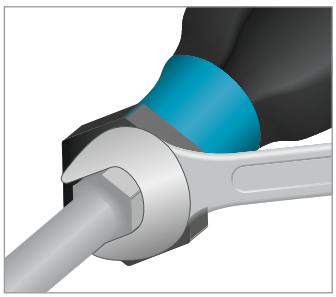


④ **Integrated steel cap** increases the service life of the handle and reduces the risk of chipping. For loosening jammed screws and for smaller chiseling jobs

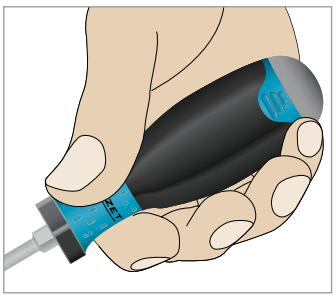
Note: Always wear safety glasses for safety reasons!



⑤ Hex bolster for use with a wrench to transfer higher torques.



⑥ Well suited for continuous operation thanks to the ergonomically shaped handle that provides the perfect contact between your hand and the screwdriver.



Components and spare parts from page 482 to 490

HAZET trinamic® Screwdrivers 803

Synthesis of steel and plastic



① Black coated tip for **optimal corrosion protection** and **perfect hold** of the blade in the screw head

② **trinamic® shape:**
- **Slide-off protection**
- **Anti-roll protection**



③ **Non-slipping** even with greasy hands

④ **Upset and pressed hex bolster** enables power transfer that is many times higher when using an open-end wrench

⑤ Narrow shape with spinning area

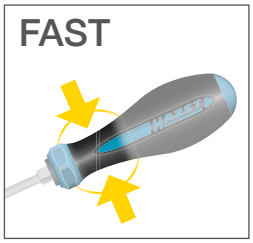
⑥ trinamic®
1-component handle, ergonomically shaped and extremely resilient





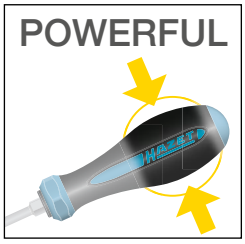
Components and spare parts
from page 482 to 490

Different HAZET handle designs



Well-sized spinning area

- Allows for safe and fast turning between thumbs and index finger
- Optimal guidance with slight widening to the offset hexagon as slide-off protection
- Ergonomically shaped handle for a perfect friction connection across all components



HAZET 3-component handle for a perfect friction connection

- Maximum friction connection with ergonomic 3-component handle
- Firm grip using entire fist around the handle possible
- Suited for continuous operation as the highly ergonomic development means there are no elements that cause pain when turning screws



Screwdriver with 2-component handle, short design



HEXAnamic® with 3-component handle



Screwdriver with impact cap, with 3-component handle



Screwdriver with 3-component handle



trinamic® Screwdriver with 1-component handle



Electronic screwdriver



Clip screwdriver

Components and spare parts
from page 482 to 490

Do you know?

High performance and durability

- Blade made from the best chrome-vanadium molybdenum steels is toughened throughout
- **Precise fitting into screw head**
- Blade tip produces with high precision and also burnished
- Permanent protection from corrosion
- Chrome-plated surface offers perfect protection from rust
- **Finding the right screwdriver fast**
- Imprinted screw profile makes it easier for the mechanic to always find the right grip
- **Suitable for continuous operation**
- Ergonomic handle prevents pressure marks and painful swelling

Additional advantage in work safety

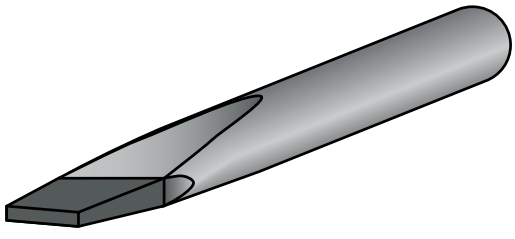
- Recessed hexagon roll protection prevents unintended sliding-off and provides additional slip-off protection for safe working

The HAZET 3-component handle ensures optimum power and grip thanks to its combination of materials

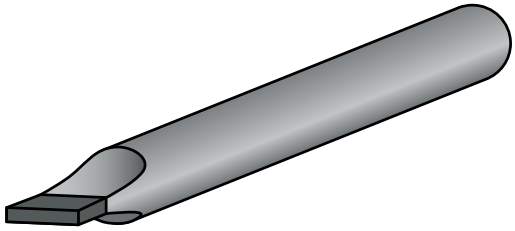
- Non-slip components enable safe holding and distinct slide-off zones provide power with the perfect friction connection

HAZET offers the following specific blades for slotted screws:

- Wedge-shaped blade tip for workshop applications
  → well suited for all work with screws
- In accordance with ISO 2380-1 Form A, ISO 2380-2:2004



- Narrow, parallel blade tip for electrician applications
  → well suited for screws located deep inside screw shaft, e.g. in power sockets and insulating screw joints
- In accordance with ISO 2380-1 Form B

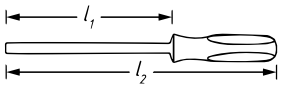


Components and spare parts
from page 482 to 490

802 HEXAnamic® screwdriver

- Round blade
- Non-slip HAZET 3-component handle – allows high power transmission
- Surface: chrome-plated
- ISO 2380-1 Form A, ISO 2380-2:2004





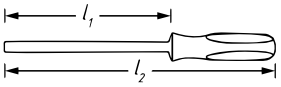
From size 55 on blade with hex bolster for use with a wrench, allows application of high torque values

HAZET No.	l_1 mm	l_2 mm	⬢ mm	mm	b mm	EAN-No. 4000896+
802- 30	80	179	–	0.6	3.5	144785
802- 40	100	199	–	0.8	4	144808
802- 55	125	239	8	1	5.5	144815
802- 65	150	264	10	1.2	6.5	144822
802- 80	150	279	13	1.2	8	144839
802-100	175	304	13	1.6	10	144846
802-120	200	329	16	2	12	144853

802-PH HEXAnamic® screwdriver

- Round blade
- Non-slip HAZET 3-component handle – allows high power transmission
- ISO 8764-1:2004, ISO 8764-2:2004





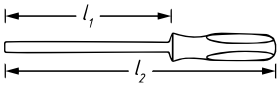
Size PH 3: blade with hex bolster

HAZET No.	l_1 mm	l_2 mm	⬢ mm	EAN-No. 4000896+
802-PH 0	60	159	–	144860
802-PH 1	80	194	–	144884
802-PH 2	100	214	–	144907
802-PH 3	150	279	13	144921

802-PZ HEXAnamic® screwdriver

- Round blade
- Non-slip HAZET 3-component handle – allows high power transmission
- ISO 8764-1:2004, ISO 8764-2:2004





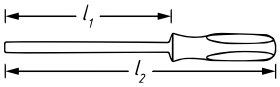
Size PZ 3: blade with hex bolster

HAZET No.	l_1 mm	l_2 mm	⬢ mm	EAN-No. 4000896+
802-PZ 0	60	159	–	145058
802-PZ 1	80	194	–	145065
802-PZ 2	100	214	–	145072
802-PZ 3	150	279	13	145089

802-TH HEXAnamic® screwdriver

- Round blade
- Non-slip HAZET 3-component handle – allows high power transmission

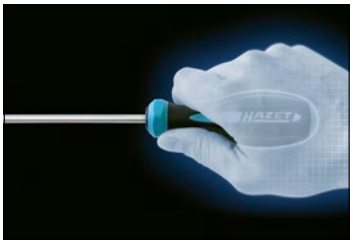


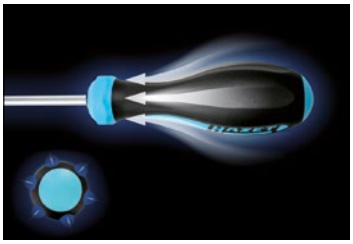


HAZET No.	l_1 mm	l_2 mm	mm	EAN-No. 4000896+
802-T 8 H	60	159	2.31	145102
802-T 9 H	60	159	2.50	145119
802-T 10 H	80	179	2.74	145126
802-T 15 H	80	179	3.27	145133
802-T 20 H	100	214	3.86	145140
802-T 25 H	100	214	4.43	145164
802-T 27 H	115	214	4.99	145171
802-T 30 H	115	229	5.52	145188
802-T 40 H	130	259	6.65	145195
802-T 45 H	130	259	7.82	145201







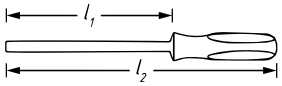




Components and spare parts from page 482 to 490

801 NK Screwdriver

- Short design
- Round blade
- Ergonomically shaped HAZET 2-component handle

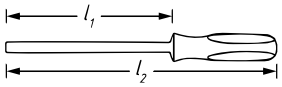




HAZET No.	l_1 mm	l_2 mm	mm	b mm	EAN-No. 4000896+
801 N K-35	25	89	0.6	3.5	209897
801 N K-55	25	89	1	5.5	209873
801 N K-80	25	89	1.2	8	209903

801 NK-PH Screwdriver

- Short design
- Round blade
- Ergonomically shaped HAZET 2-component handle





HAZET No.	l_1 mm	l_2 mm	EAN-No. 4000896+
801 N K-PH 1	25	89	209910
801 N K-PH 2	25	89	209880

802 HEXAnamic® screwdriver set

- Non-slip HAZET 3-component handle – allows high power transmission
- Surface: chrome-plated

product design award 2009





802 • 0.8x4 • 1x5.5 • 1.2x6.5

802-PH • PH 1 • PH 2

HAZET No.		EAN-No. 4000896+
802/5	5	147359

- Non-slip HAZET 3-component handle – allows high power transmission

product design award 2009



802 • 0.6x3.5 • 0.8x4 • 1x5.5 • 1.2x6.5 • 1.2x8 • 1.6x10

802-PH • PH 1 • PH 2

801 NK-PH • PH 2

801 NK • 1x5.5

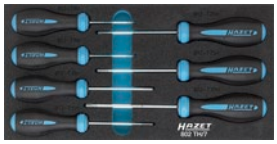
HAZET No.		EAN-No. 4000896+
802/10	10	145577

802 HEXAnamic® screwdriver set

- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent
- Non-slip HAZET 3-component handle – allows high power transmission

product design award 2009



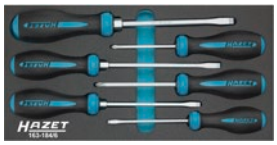


802-TH •
T 8 H • T 9 H • T 10 H • T 15 H • T 20 H • T 25 H • T 30 H

HAZET No.	L x W mm		EAN-No. 4000896+
802 T H/7	342x172	7	145607

- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent

1/3



802 • 0.8x4 • 1x5.5 • 1.2x6.5 • 1.2x8

802-PH • PH 1 • PH 2

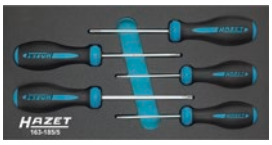
HAZET No.	L x W mm		EAN-No. 4000896+
163-184/6	342x172	6	161461

802 TH HEXAnamic® screwdriver set

- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent

1/3

802-TH •
T 10 H • T 15 H • T 20 H
T 25 H • T 30 H



HAZET No.	L x W mm		EAN-No. 4000896+
163-185/5	342x172	5	161478

810 U Screwdriver · with impact cap

- **Blade with hex bolster for use with a wrench, allows application of high separation forces**
- Round blade
- Non-slip HAZET 3-component handle – allows high power transmission
- Surface: blade matt chrome-plated, tip burnished





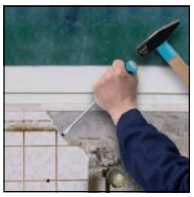
HAZET No.	l_1 mm	l_2 mm	mm	mm	b mm	EAN-No. 4000896+
810 U-45	75	175	8	0.8	4.5	200504
810 U-55	100	200	8	1	5.5	200511
810 U-70	125	225	10	1.2	7	200528

Components and spare parts from page 482 to 490

810 U-PH Screwdriver · with impact cap

• Blade with hex bolster for use with a wrench, allows application of high separation forces

- Round blade
- Non-slip HAZET 3-component handle – allows high power transmission
- Surface: blade matt chrome-plated, tip burnished





HAZET No.	l_1 mm	l_2 mm	⬢ mm	EAN-No. 4000896+
810 U-PH 1	80	180	8	200498
810 U-PH 2	100	210	10	200481
810 U-PH 3	150	260	13	200474

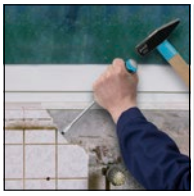
810 U Screwdriver set · with impact cap

• Blade with hex bolster for use with a wrench, allows application of high separation forces

- Round blade
- Non-slip HAZET 3-component handle – allows high power transmission
- Surface: blade matt chrome-plated, tip burnished



3K System





810 U •
0.8x4.5 • 1x5.5 • 1.2x7

810 U-PH •
PH 1 • PH 2

HAZET No.		EAN-No. 4000896+
810 U-1/5	5	179572

- Blade with hex bolster for use with a wrench, allows application of high separation forces
- Round blade
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent
- Non-slip HAZET 3-component handle – allows high power transmission

1/3



810 U •
0.8x4.5 • 1x5.5 • 1.2x7

810 U-PH •
PH 1 • PH 2

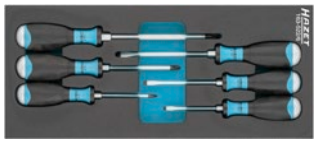
HAZET No.	L x W mm		EAN-No. 4000896+
163-264/5	342x172	5	180592

810 U Screwdriver set

- Round blade
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent
- Non-slip HAZET 3-component handle – allows high power transmission

Suitable for HAZET *Assistent* with a drawer depth of 398 mm:
173 · 179 · 179 N · 179 W · 179 N W · 179 BIG-1 · 179 XL · 179 N XL · 179 XXL · 179 N XXL · 179 A XXL · 179 T XXL · 180

1/3



810 U •
0.8x4.5 • 1x5.5 • 1.2x7

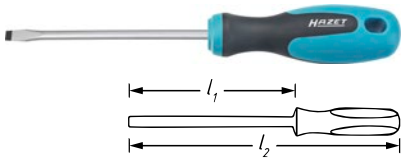
810 U-PH •
PH 1 • PH 2 • PH 3

HAZET No.	L x W mm		EAN-No. 4000896+
163-522/6	392x172	6	218660

810 Screwdriver

• Hanging hole in handle

- Round blade
- Non-slip HAZET 3-component handle – allows high power transmission
- Surface: blade matt chrome-plated, tip burnished



HAZET No.	l_1 mm	l_2 mm	mm	b mm	EAN-No. 4000896+
810-25	75	160	0.4	2.5	206919
810-30	80	165	0.5	3	205127
810-40	100	185	0.8	4	205134
810-55	125	230	1	5.5	205141
810-65	150	265	1.2	6.5	205158

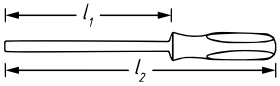
810-PH Screwdriver

• Hanging hole in handle

- Round blade
- Non-slip HAZET 3-component handle – allows high power transmission
- Surface: blade matt chrome-plated, tip burnished







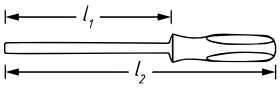
HAZET No.	l_1 mm	l_2 mm	EAN-No. 4000896+
810-PH 0	60	145	206926
810-PH 1	80	185	205165
810-PH 2	100	215	205172

810-PZ Screwdriver

• Hanging hole in handle

- Round blade
- Non-slip HAZET 3-component handle – allows high power transmission
- Surface: blade matt chrome-plated, tip burnished



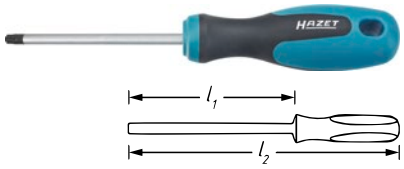


HAZET No.	l_1 mm	l_2 mm	EAN-No. 4000896+
810-PZ 1	80	185	221813
810-PZ 2	100	215	221806

810-T Screwdriver

• **Hanging hole in handle**

- Round blade
- Non-slip HAZET 3-component handle – allows high power transmission
- Surface: blade matt chrome-plated, tip burnished



HAZET No.	l_1 mm	l_2 mm	mm	EAN-No. 4000896+
810-T 10	80	165	2.74	205189
810-T 15	80	165	3.27	205196
810-T 20	100	185	3.86	205202
810-T 25	100	205	4.43	205219
810-T 27	115	220	4.99	205226
810-T 30	115	230	5.52	205233

810 Screwdriver set

• **Hanging hole in handle**

- Non-slip HAZET 3-component handle – allows high power transmission
- Surface: blade matt chrome-plated, tip burnished





YouTube Clip

selbst ist der Mann
PRAXISTEST
SEHR GUT (1,2)
TESTSIEGER
Ausgabe 02/2017
www.selbst.de

810 • ⊖
0.5x3 • 0.8x4 • 1x5.5 • 1.2x6.5

810-PH • ✪
PH 1 • PH 2

HAZET No.		EAN-No. 4000896+
810/6	6	058808

810 PZ Screwdriver set

• **Hanging hole in handle**

- Non-slip HAZET 3-component handle – allows high power transmission
- Surface: blade matt chrome-plated, tip burnished



810 • ⊖
0.5x3 • 0.8x4 • 1x5.5 • 1.2x6.5

810-PZ • ✪
PZ 1 • PZ 2

HAZET No.		EAN-No. 4000896+
810/6 PZ	6	217984

810 T Screwdriver set

• **Hanging hole in handle**

- Non-slip HAZET 3-component handle – allows high power transmission
- Surface: blade matt chrome-plated, tip burnished





YouTube Clip

810-T • ✪
T 10 • T 15 • T 20 • T 25 • T 27 • T 30

HAZET No.		EAN-No. 4000896+
810 T/6	6	204304

810 TSPC TORX® screwdriver set

• Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent



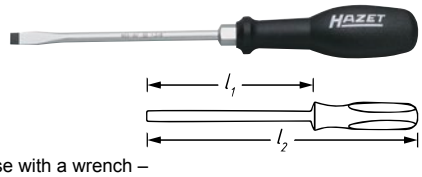
1/3

810-T • ✪
T 10 • T 15 • T 20
T 25 • T 27 • T 30

HAZET No.	L x W mm		EAN-No. 4000896+
163-266/6	342x172	6	180615

803 Screwdriver trinamic®

- Round blade
- Ergonomically shaped 1-component trinamic handle
- Surface: chrome-plated, tips burnished



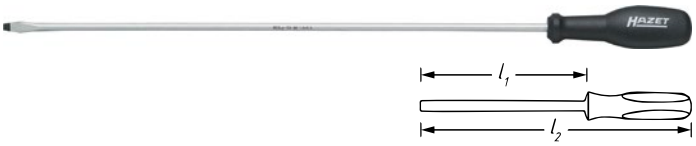
* = Blade with **hex bolster** for use with a wrench – allows application of high torque values
\+ = Length l1 not according to ISO 2380-2

HAZET No.	l_1 mm	l_2 mm	⬢ mm	mm	b mm	EAN-No. 4000896+
803- 20 +	63	143	–	0.4	2	077434
803- 25	75	155	–	0.4	2.5	077441
803- 30 +	80	160	–	0.5	3	077458
803- 35	100	193	–	0.6	3.5	077465
803- 40	100	193	–	0.8	4	077472
803- 55	125	218	–	1	5.5	077489
803 S-55 *	125	235	8	1	5.5	089109
803- 65	150	260	–	1.2	6.5	077496
803- 80 *	150	272	13	1.2	8	077502
803-100 *	175	309	13	1.6	10	077519
803-120 *	200	334	16	2	12	077526
803-140 *	250	384	16	2.5	14	077533

Components and spare parts from page 482 to 490

803 LG Screwdriver trinamic®

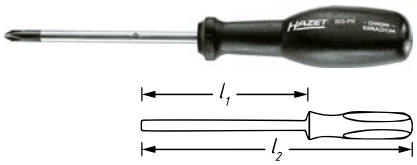
- For deeply located screw connections
- **Extra long design**
- Round blade
- Ergonomically shaped 1-component trinamic handle



HAZET No.	l_1 mm	l_2 mm	mm	b mm	EAN-No. 4000896+
803 Lg-55	410	520	1	5.5	077540

803-PH Screwdriver trinamic®

- Round blade
- Ergonomically shaped 1-component trinamic handle
- DIN ISO 8764-2, ISO 8764-2

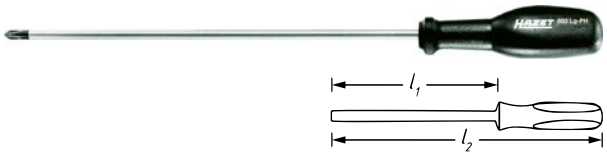


From size PH 3 on, blade with hex bolster

HAZET No.	l_1 mm	l_2 mm	⬢ mm	EAN-No. 4000896+
803-PH 0	60	140	–	077557
803-PH 1	80	173	–	077564
803-PH 2	100	210	–	077571
803-PH 3	150	272	13	077588
803-PH 4	200	334	16	077595

803 LG-PH Screwdriver trinamic®

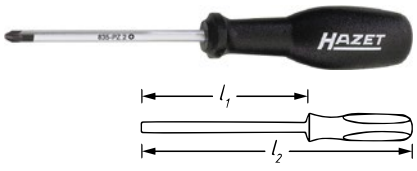
- **Extra long design**
- Round blade
- Ergonomically shaped 1-component trinamic handle



HAZET No.	l_1 mm	l_2 mm	EAN-No. 4000896+
803 Lg-PH 1	250	343	077601
803 Lg-PH 2	250	360	077618

803-PZ Screwdriver trinamic®

- Marking ring blue
- Round blade
- Ergonomically shaped 1-component trinamic handle

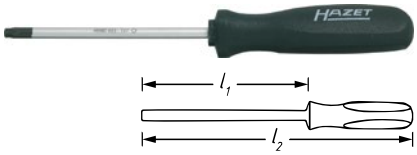


HAZET No.	l_1 mm	l_2 mm	EAN-No. 4000896+
803-PZ 1	80	173	077632
803-PZ 2	100	210	077649

803-T Screwdriver trinamic®

Made in Germany

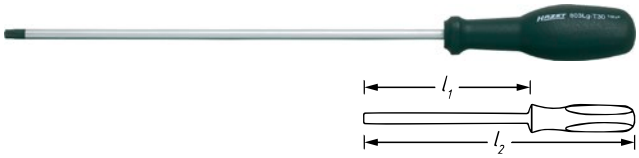
- Round blade
- Ergonomically shaped 1-component trinamic handle



HAZET No.	l_1 mm	l_2 mm	⬢ mm	EAN-No. 4000896+
803-T 6	48	112	1.67	077670
803-T 7	48	112	1.99	077687
803-T 8	55	127	2.31	077694
803-T 9	55	127	2.50	077700
803-T 10	70	150	2.74	077717
803-T 15	70	150	3.27	077724
803-T 20	84	175	3.86	077731
803-T 25	84	175	4.43	077748
803-T 27	99	200	4.99	077755
803-T 30	99	200	5.52	077762
803-T 40	99	217	6.65	086214

803 LG-T Screwdriver trinamic®

- Application e.g. at the dashboard, car body, engine compartment as well as industry applications
- Long design
- Round blade
- Ergonomically shaped 1-component trinamic handle



HAZET No.	l_1 mm	l_2 mm	⬢ mm	EAN-No. 4000896+
803 Lg-T 15	250	330	3.27	087785
803 Lg-T 20	250	343	3.86	087792
803 Lg-T 25	250	345	4.43	087808
803 Lg-T 30	250	360	5.52	087815

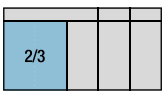
Screwdriver for electricians

See chapter Tools with protective insulation / Tools for electricians page 256 – 257



803 Screwdriver set

- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent



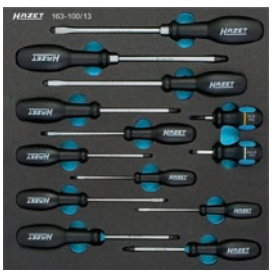
803 •
0.4x2.5 • 0.5x3
0.6x3.5 • 0.8x4
1.2x6.5 • 1.2x8

801 NK •
1x5.5

803-PZ •
PZ 1 • PZ 2

801 NK-PH •
PH 2

803-PH •
PH 1 • PH 2 • PH 3



HAZET No.	L x W mm		EAN-No. 4000896+
163-100/13	344x342	13	145713

805 C Clip screwdriver

Made in Germany

• The versatile screwdriver for everyday use – always ready to hand

- With fibre-reinforced scraper for damage-free removal of stickers etc.
- Clip for holding, e.g. in breast or sleeve pocket
- Rotating clip – for improved handling
- Round blade
- Plastic handle
- Surface: blade chrome-plated







HAZET No.	l_1 mm	l_2 mm	mm	b mm	EAN-No. 4000896+
805 C-25	30	130	0.4	2.5	089123

805 Electronic screwdriver

- For smallest screws
- With revolving head
- Firm grip thanks to recessed handle
- Round blade
- 2-component handle
- Surface: tip burnished



HAZET No.	l_1 mm	l_2 mm	mm	b mm	EAN-No. 4000896+
805-02	60	153	0.4	2	032594
805-025	75	168	0.4	2.5	032600
805-03	75	168	0.5	3	032617

805 Electronic screwdriver set

- Plastic box
- 2-component handle
- ⊖ 0.3x1.5 · 0.4x2 · 0.4x2.5 · 0.5x3
  ✪ PH 00 · PH 0 · PH 1



HAZET No.	L x W x H mm		EAN-No. 4000896+
805/7	205x125x20	7	032655

808 Electronic screwdriver set

- Plastic box
- 2-component handle
- ✪ T 5 · T 6 · T 7 · T 8 · T 9 · T 10 · T 15



►

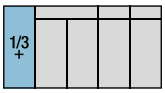
808 Electronic screwdriver set

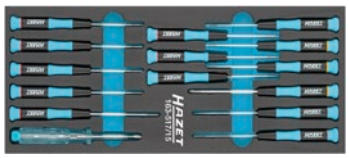
◄

HAZET No.	L x W x H mm		EAN-No. 4000896+
808/7	205x125x20	7	055050

805 Electronic screwdriver set

- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent





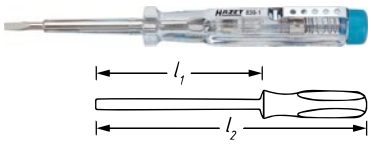
HAZET No.	L x W mm		EAN-No. 4000896+
Suitable for HAZET Assistent® with a drawer depth of 398 mm: 173 · 179 · 179 N · 179 W · 179 N W · 179 BIG-1 · 179 XL · 179 N XL · 179 XXL · 179 N XXL · 179 A XXL · 179 T XXL · 180			
805 • ⊖, ✪, ✪ 805/7 • 808/7 • 0.5x2.8			
163-517/15	392x172	15	218745

839 Voltmeter

Made in Germany

- 220 – 250 V
- Slotted blade, concave ground
- Extra long handle, 92 mm
- With clip
- Defective glow tube not replaceable according to VDE
- Round blade
- Plastic handle
- DIN VDE 06800-6





HAZET No.	l_1 mm	l_2 mm	mm	b mm	EAN-No. 4000896+
839-1	58	150	0.5	2.8	035670

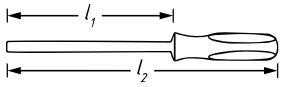
426 Nut-driver · flexible

Made in Germany

- Blade shape: Flexible
- Ergonomically shaped 1-component trinamic handle







HAZET No.	l_1 mm	l_2 mm	EAN-No. 4000896+
426- 5	190	300	019243
426- 6	190	300	019250
426- 7	190	300	019267
426- 8	190	300	019274
426-10	190	300	019236

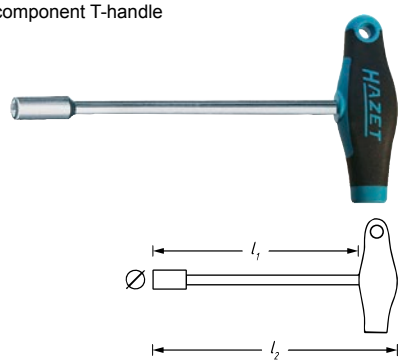
Components and spare parts from page 482 to 490

428 Nut-driver · with T-handle

Made in Germany

- Short design
- Ergonomically shaped HAZET 2-component T-handle
- Surface: chrome-plated



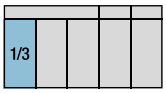


HAZET No.	l_1 mm	l_2 mm	∅ mm	EAN-No. 4000896+
• Calibrating the radar head of the Adaptive Cruise Control (ACC) in e.g. **AUDI** and **VW** vehicles				
428- 3.5	230	256	7.2	218509
428- 6	230	256	9	019397
428- 7	230	256	11	019410
428- 8	230	264	12	019427
428-10	230	264	14	019281
428-11	230	264	16	019304
428-12	230	264	17	019328
428-13	230	264	18	019335

428 Nut-driver set · with T-handle

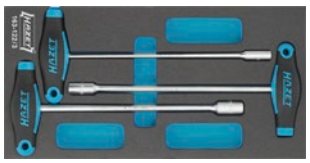
Made in Germany

- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent
- 2-component T-handle





428 • ◉
8 • 10 • 13

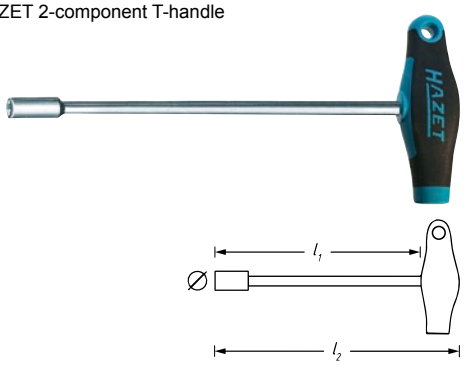


HAZET No.	L x W mm		EAN-No. 4000896+
163-122/3	342x172	3	153534

428 LG Nut-driver · with T-handle

Made in Germany

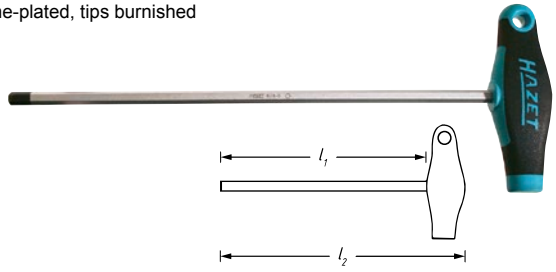
- Long design
- Ergonomically shaped HAZET 2-component T-handle
- Surface: chrome-plated



HAZET No.	l_1 mm	l_2 mm	∅ mm	EAN-No. 4000896+
428 Lg- 8	350	384	12	019601
428 Lg-10	350	384	14	019526
428 Lg-13	350	384	18	019557

828 Screwdriver · with T-handle

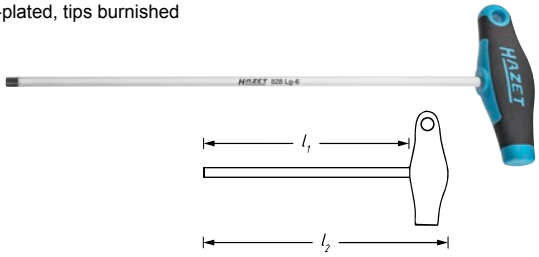
- 6-point blade
- Ergonomically shaped HAZET 2-component T-handle
- Surface: chrome-plated, tips burnished



HAZET No.	s mm	l_1 mm	l_2 mm	EAN-No. 4000896+
828- 2	2	100	118	034123
828- 2.5	2.5	100	118	034130
828- 3	3	150	168	034161
828- 4	4	150	176	034192
828- 5	5	200	226	034222
828- 6	6	200	234	034246
828- 7	7	200	234	210060
828- 8	8	200	234	034260
828-10	10	200	234	034109

828 LG Screwdriver · with T-handle

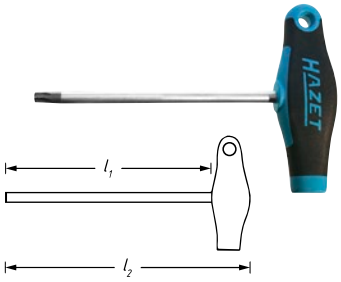
- 6-point blade
- Ergonomically shaped HAZET 2-component T-handle
- Surface: chrome-plated, tips burnished



HAZET No.	s mm	l_1 mm	l_2 mm	EAN-No. 4000896+
828 Lg-6	6	300	334	226672

828-T Screwdriver · with T-handle

- Round blade
- Ergonomically shaped HAZET 2-component T-handle
- Surface: chrome-plated, tips burnished

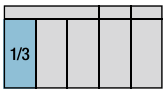


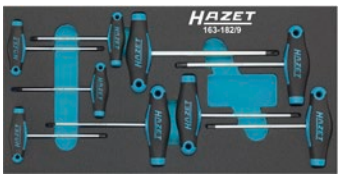
HAZET No.	l_1 mm	l_2 mm	mm	EAN-No. 4000896+
828-T 6	80	98	1.67	034451
828-T 7	80	98	1.99	034468
828-T 8	80	98	2.31	034475
828-T 9	80	98	2.50	034482
828-T 10	100	126	2.74	034291
828-T 15	100	126	3.27	034307
828-T 20	100	126	3.86	034321
828-T 25	110	136	4.43	034345
828-T 27	120	146	4.99	034376
828-T 30	130	156	5.52	034383
828-T 40	130	164	6.65	034413
828-T 45	130	164	7.82	034420

Components and spare parts from page 482 to 490

828 Screwdriver set · with T-handle

- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent
- 2-component T-handle





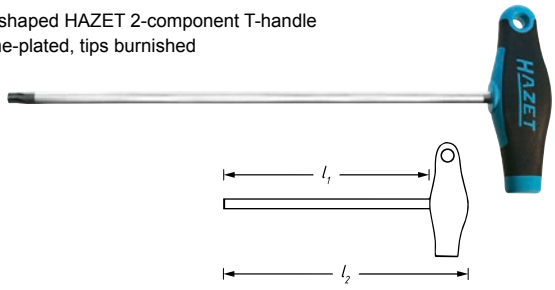


828-T • ○
T 6 • T 7 • T 8 • T 9 • T 10
T 15 • T 20 • T 25 • T 30

HAZET No.	L x W mm		EAN-No. 4000896+
163-182/9	342x172	9	162352

828 LG-T Screwdriver · with T-handle

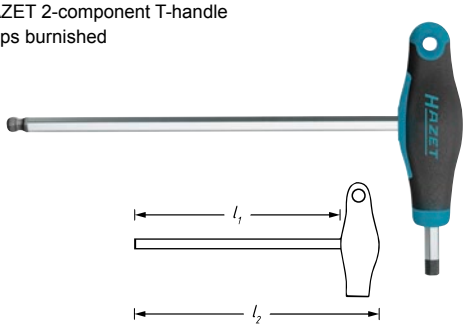
Made in Germany
- **Extra long design**
- Round blade
- Ergonomically shaped HAZET 2-component T-handle
- Surface: chrome-plated, tips burnished



HAZET No.	l_1 mm	l_2 mm	mm	EAN-No. 4000896+
828 Lg-T 20	200	226	3.86	139941
828 Lg-T 30	290	316	5.52	116638
828 Lg-T 40	290	325	6.65	235360

829 KK Screwdriver · with T-handle

- 6-point blade
- With ball-head
- Ergonomically shaped HAZET 2-component T-handle
- Surface: chrome-plated, tips burnished



HAZET No.	S mm	l_1 mm	l_2 mm	EAN-No. 4000896+
829 KK-2	2	100	118	232895
829 KK-2.5	2.5	100	118	232901
829 KK-3	3	150	168	232918
829 KK-4	4	150	168	232925
829 KK-5	5	200	176	233038
829 KK-6	6	200	234	233045
829 KK-8	8	200	234	233052

829 KK Screwdriver set · with T-handle

- 6-point blade
- With ball-head
- Ergonomically shaped HAZET 2-component T-handle
- Surface: chrome-plated, tips burnished

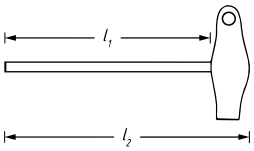


829 KK • ○
2 • 2.5 • 3 • 4 • 5 • 6 • 8

HAZET No.		EAN-No. 4000896+
829 KK/7	7	232888

829 KKT Screwdriver · with T-handle

- 6-point blade
- With ball-head
- Ergonomically shaped HAZET 2-component T-handle
- Surface: chrome-plated, tips burnished





HAZET No.	l_1 mm	l_2 mm	mm	EAN-No. 4000896+
829 KK T-T 9	130	165	2.50	233069
829 KK T-T 10	80	98	2.74	233137
829 KK T-T 15	80	98	3.27	233144
829 KK T-T 20	100	126	3.86	233168
829 KK T-T 25	100	126	4.43	233175
829 KK T-T 30	110	136	5.52	233182
829 KK T-T 40	130	156	6.65	233199

829 KKT Screwdriver set · with T-handle

- 6-point blade
- With ball-head
- Ergonomically shaped HAZET 2-component T-handle
- Surface: chrome-plated, tips burnished



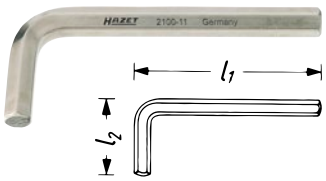
829 KKT • ○
T 9 • T 10 • T 15 • T 20
T 25 • T 30 • T 40

HAZET No.		EAN-No. 4000896+
829 KK T/7	7	233014

Components and spare parts
from page 482 to 490

2100 Offset screwdriver

- Surface: nickel-plated
- DIN ISO 2936



* = Not according to DIN

HAZET No.	s mm	l_1 mm	l_2 mm	EAN-No. 4000896+
2100-015	1.5	46.5	15.5	011261
2100-02	2	52	18	011278
2100-025	2.5	58.5	20.5	011285
2100-03	3	66	23	011308
2100-04	4	74	29	011322
2100-05	5	85	33	011346
2100-06	6	96	38	011353
2100-07	7	102	41	011360
2100-08	8	108	44	011377
2100-09 *	9	119	47	011391
2100-10	10	122	50	011407
2100-11 *	11	130	53	011414
2100-12	12	137	57	011421
2100-14	14	154	70	011445
2100-17	17	177	80	011452
2100-19	19	199	89	011469
2100-22	22	222	102	011476
2100-24	24	248	114	011483
2100-27	27	277	127	011490

2100 Offset screwdriver set

- Plastic tool holder
- Surface: nickel-plated
- DIN ISO 2936



HAZET No.		EAN-No. 4000896+
2100 • O 3 • 4 • 5 • 6 • 8 • 10		
2100/6 H	6	011551

- With ring
- Surface: nickel-plated
- DIN ISO 2936



HAZET No.		EAN-No. 4000896+
Metric dimensions 2100 • O 2 • 2.5 • 3 • 4 • 5 • 6 • 8		
2100/7 R	7	011599
American dimensions 2100 A • O 3/32 • 2100 A-1/8 • 2100 A-5/32 • 3/16 • 2100 A-7/32 • 1/4 • 5/16		
2100 A/7 R	7	011773

2100 Offset screwdriver set

- Plastic roll
- Surface: nickel-plated
- DIN ISO 2936



HAZET No.		EAN-No. 4000896+
Metric dimensions 2100 • O 2 • 3 • 4 • 5 • 6 • 7 • 8 • 9 • 10 • 12		
2100/10 P	10	011506
Metric dimensions 2100 • O 2 • 3 • 4 • 5 • 6 • 7 • 8 • 9 • 10 • 12 • 14 • 17 • 19 • 22		
2100/14 P	14	011537
American dimensions 2100 A • O 5/64 • 3/32 • 2100 A-1/8 • 2100 A-5/32 • 3/16 • 2100 A-7/32 • 1/4 • 5/16 • 3/8 • 1/2 • 9/16 • 5/8 • 3/4		
2100 A/13 P	13	011766

- Plastic hinged tool holder
- Surface: nickel-plated
- DIN ISO 2936

s 2.5 · 3 · 4 · 5 · 6 · 8

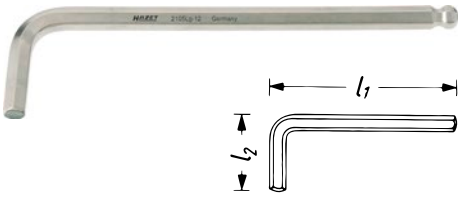


HAZET No.		EAN-No. 4000896+
2100/6 KH	6	072590

2105 LG Offset screwdriver

- Ball head end = swivel range 20°
- **Extra long design**
- With ball-head
- Surface: nickel-plated





HAZET No.	s mm	l_1 mm	l_2 mm	EAN-No. 4000896+
2105 Lg-015	1.5	91.5	15.5	011896
2105 Lg-02	2	102	18	011902
2105 Lg-025	2.5	114.5	20.5	011919
2105 Lg-03	3	129	23	011926
2105 Lg-04	4	144	29	011933
2105 Lg-05	5	165	33	011940
2105 Lg-06	6	186	38	011957
2105 Lg-07	7	197	41	011964
2105 Lg-08	8	208	44	011971
2105 Lg-10	10	234	50	011988
2105 Lg-12	12	262	57	011995

Components and spare parts from page 482 to 490

2105 LG Offset screwdriver set

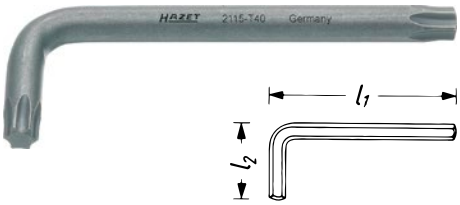
- **Extra long design**
- With ball-head
- Plastic tool holder
- Surface: nickel-plated





HAZET No.		EAN-No. 4000896+
2105 LG • ○ 1.5 • 2 • 2.5 • 3 • 4 • 5 • 6 • 8 • 10		
2105 Lg/9 H	9	012015
2105 ALG • ○ ○ 0.05 · 1/16 · 5/64 · 3/32 · 1/8 · 5/32 · 3/16 · 7/32 · 1/4 · 5/16		
2105 A Lg/10 H	10	083749

2115 Offset screwdriver



HAZET No.	l_1 mm	l_2 mm	mm	EAN-No. 4000896+
2115-T 6	44.5	18.5	1.67	012220
2115-T 7	50.5	18.5	1.99	012244
2115-T 8	51	19	2.31	012251
2115-T 9	51	19	2.50	012268
2115-T 10	54	20	2.74	012121
2115-T 15	57.5	21.5	3.27	012138
2115-T 20	61	23	3.86	012145
2115-T 25	64.5	24.5	4.43	012152
2115-T 27	69.5	26.5	4.99	012169
2115-T 30	76	30	5.52	012176
2115-T 40	83	33	6.65	012183
2115-T 45	91	37	7.82	012190
2115-T 50	104	41	8.83	012206
2115-T 55	120	47	11.22	012213
2115-T 60	134	52	13.25	012237

2115 Offset screwdriver set

- With ring



2115 Offset screwdriver set

HAZET No.		EAN-No. 4000896+
2115 • ○ T 8 • T 10 • T 15 • T 20 • T 25 • T 30 • T 40		
2115-T/7 R	7	012114

- Plastic roll



HAZET No.		EAN-No. 4000896+
2115 • ○ T 7 • T 8 • T 9 • T 10 • T 15 • T 25 • T 27 • T 30 • T 40 • T 45 • T 50 • T 55 • T 60		
2115-T/13 P	13	012107

- Plastic hinged tool holder
- ○ T 9 · T 10 · T 15 · T 20 · T 25 · T 27 · T 30 · T 40



HAZET No.		EAN-No. 4000896+
2115/8 KH	8	072583

2116 LG Offset screwdriver set

Made in Germany

- With ball-head
- Plastic tool holder
- ○ T 9 · T 10 · T 15 · T 20 · T 25 · T 27 · T 30 · T 40



HAZET No.		EAN-No. 4000896+
2116 Lg/8 H	8	051519

Components and spare parts
from page 482 to 490

At a glance

The HAZET bit range

6.3 1/4"		Profile	
	Screwdriver bit Slot		2208 N 0.4 x 1.5 – 1.2 x 8
	Screwdriver bit Phillips-Recess PH		2215 N PH1 – PH3
	Screwdriver bit Phillips-Recess PH		2215 N S Lg PH1 – PH3
	Screwdriver bit Phillips-Recess PZ (Pozidriv)		2216 N PZ1 – PZ3
	Screwdriver bit Phillips-Recess PZ (Pozidriv)		2216 N S Lg PZ1 – PZ3
	Screwdriver bit Inside TORX®		2223 N T6 – T40
	Screwdriver bit Inside TORX®		2223 N S Lg T10 – T40
	Screwdriver bit Inside TORX®		2223 Lg-T 25 T25 · T30
	Screwdriver bit Tamper TORX®		2223 NH T7H – T40H
	Screwdriver bit Inside hexagon		2204 N 2 – 8
	Screwdriver bit Inside hexagon		2204 N S Lg 3 – 8
	Screwdriver bit Internal serration (XZN)		2211 M4 · M5
	Screwdriver bit Inside 5-star bits with pin		2225 10H – 40H

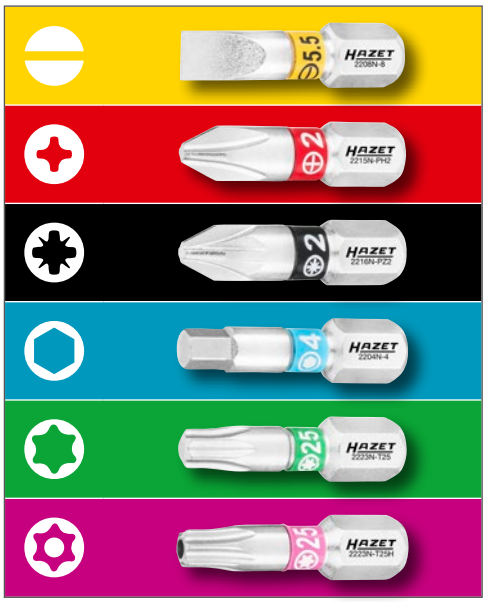
8 5/16"		Profile	
	Screwdriver bit Slot		2210 0.8 x 5.5 – 2 x 12
	Screwdriver bit Phillips-Recess PH		2217 PH1 – PH4
	Screwdriver bit Phillips-Recess PZ (Pozidriv)		2218 PZ1 – PZ4
	Screwdriver bit Inside TORX®		2224 T25 – T55
	Screwdriver bit Inside TORX®		2224 S Lg T30 – T50
	Screwdriver bit Inside hexagon		2206 5 – 10
	Screwdriver bit Internal serration (XZN)		2212 M6 – M10

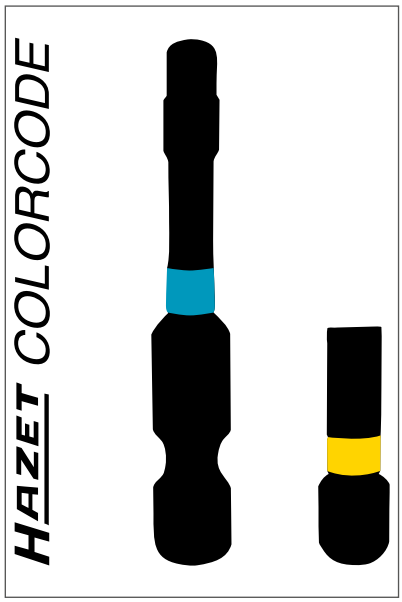
Components and spare parts
from page 482 to 490

HAZET range of screwdriver bits

Screwdriver bits for every situation

The HAZET Colorcode



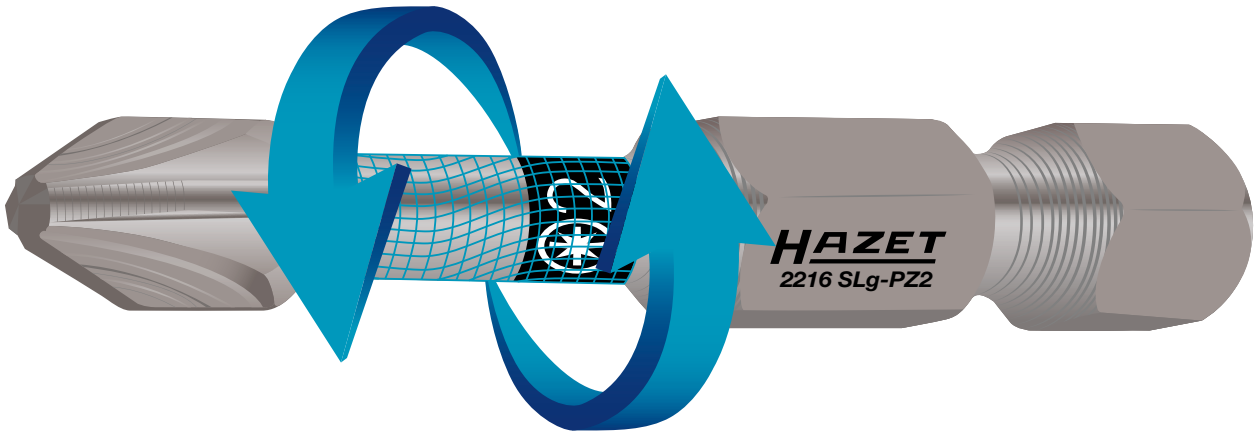






Components and spare parts
from page 482 to 490

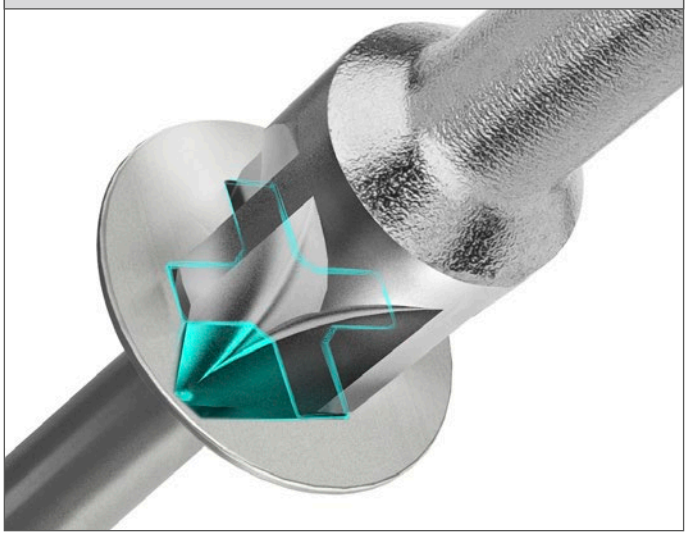
Optimised torsion zone
for best power transmission on the profile / screw



Specially hardened material
prevents the risk of premature breakage to the screwdriver bit



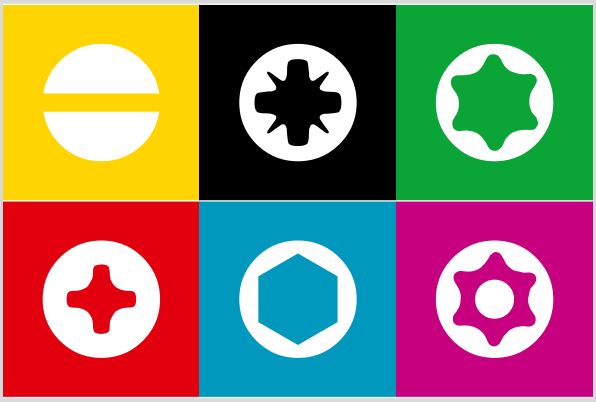
Extra long service life
due to perfectly coordinated geometries



Manual and impact operation
Equally suitable
(also for impact wrenches)



Guarantees finding
the profile quickly due to distinctive HAZET colour coding (Colorcode) on the screwdriver bit



Components and spare parts
from page 482 to 490

863-Bit Screwdriver bit set

- **With solid reversible ratchet 863 MBit**



YouTube Clip

863 M Bit • 6.3

2204 • • 6.3
3 • 4 • 5 • 6

2208 • • 6.3
0.6x4.5 • 0.8x5.5 • 1x6

2215 • • 6.3
PH 1 • PH 2 • PH 3

2216 • • 6.3
PZ 1 • PZ 2 • PZ 3

2223 • • 6.3
T 10 • T 15 • T 20 • T 25
T 27 • T 30 • T 40

2223 • • 6.3
T 10 H • T 15 H • T 20 H
T 25 H • T 27 H • T 30 H
T 40 H

2239 N-6 • 6.3 • 6.3

HAZET No.	L x W x H mm		EAN-No. 4000896+
863 M Bit/33	125x87x38	33	196951

2240 N Screwdriver bit set

- Long-lasting bits clamp for firm and secure hold and quick access
- Clear labelling of the individual bit versions and sizes
- Optimal utilisation of the available storage space with small dimensions
- Specially developed hinge design enables the Bit Box to be set up at right angles (90°) and in a fully open position (180°). Allowing for a better overview and faster access for the user
- Plastic box



3 • 4 • 5 • 6

0.6x4.5 • 0.8x5.5 • 1x6

PH 1 • PH 2 • PH 3

PZ 1 • PZ 2 • PZ 3

T 10 • T 15 • T 20 • T 25
T 27 • T 30 • T 40

T 20 H • T 30 H

2239 N-6

HAZET No.	L x W x H mm		EAN-No. 4000896+
2240 N/36	125x85x40	36	187614

2200 Socket set

- Plastic box 165-S (1/9)
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent



HiPer

1/9

850 • • 6.3
5 • 5.5 • 6 • 7
8 • 9 • 10 • 11
12 • 13 • 14

2204 • • 6.3
2 • 2.5 • 3 • 4 • 5 • 6 • 8

2208 • • 6.3
0.5x4 • 0.6x4.5
1.2x6.5 • 0.8x5.5

2215 • • 6.3
PH 1 • PH 2

2216 • • 6.3
PZ 1 • PZ 2

2223 • • 6.3
T 10 H • T 15 H • T 20 H
T 25 H • T 30 H • T 40 H

2238-1 • 6.3 • 6.3

2239-3 • 6.3 • 6.3

863 HP B • 6.3

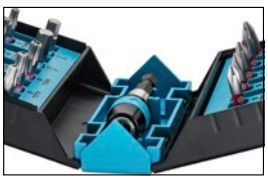
2304 N • 6.3 • 6.3

HAZET No.	L x W x H mm		EAN-No. 4000896+
2200/36	185x153x52	36	063734

2240 N Screwdriver bit set

- Long-lasting bits clamp for firm and secure hold and quick access
- Clear labelling of the individual bit versions and sizes
- Optimal utilisation of the available storage space with small dimensions
- Specially developed hinge design enables the Bit Box to be set up at right angles (90°) and in a fully open position (180°). Allowing for a better overview and faster access for the user
- Plastic box
- Staggered arrangement of the bits (interleaved) ensures tremendous space saving in the top and bottom of the Bit Box





2 • 2.5 • 3 • 4 • 5 • 6

0.5x4 • 0.6x4.5
• 0.8x5.5 • 1x6

PH 1 • PH 2 • PH 3

PZ 1 • PZ 2 • PZ 3

T 6 • T 7 • T 8 • T 9
T 10 • T 15 • T 20 • T 25
T 27 • T 30 • T 40

T 10 H • T 15 H • T 20 H
T 25 H • T 27 H • T 30 H

2239 N-6

HAZET No.	L x W x H mm		EAN-No. 4000896+
2240 N/51	125x85x40	51	187607

Components and spare parts
from page 482 to 490

2200 SmartCase screwdriver bit set

HAZET SmartCase – be smart – In any case

- Developed and produced „Made in Germany“
- Innovative concept of a compact, foldable tool set
- Easy to clean material and pleasant surface feel
- Combines the advantages of a slim and light soft surface (black) with the durability of a hard-shell tool box
- Durable, robust tool holder – no tools rolling around or rattling
- Magnetic fastener – quick to open and wear-free
- Stable and easily accessible tool storage
- Maximum number of tools in the smallest space for the best overview
- Optimal overview and easy removal of the tool – can be folded flat or – similar to a tablet case – can be stood up



HAZET SMART CASE

810 BHK • 6.3 ¼" •

2239 N-6 • 6.3 ¼" • 6.3 ¼"

2304 N • 6.3 ¼" • 6.3 ¼"

2100 •
1.5 • 2 • 2.5 • 3 • 4 • 5 • 6

2208 • • 6.3 ¼"
0.5x4 • 0.6x4.5
0.8x5.5 • 1.2x6.5

2208 • • 6.3 ¼"
0.8x5.5

2215 • • 6.3 ¼"
PH 1 • PH 2 • PH 3

2215 • • 6.3 ¼"
PH 1 • PH 2

2216 • • 6.3 ¼"
PZ 1 • PZ 2 • PZ 3

2216 • • 6.3 ¼"
PZ 1 • PZ 2

2204 • • 6.3 ¼"
2 • 3 • 4 • 5 • 6

2204 • • 6.3 ¼"
3 • 4 • 5 • 6

2223 • • 6.3 ¼"
T 6 • T 7 • T 8 • T 9
T 10 • T 15 • T 20 • T 25
T 27 • T 30 • T 40

2223 • • 6.3 ¼"
T 20 • T 25 • T 30

2223 • • 6.3 ¼"
T 10 H • T 15 H • T 20 H
T 25 H • T 27 H • T 30 H
T 40 H

HAZET No.	L x W x H mm		EAN-No. 4000896+
2200 SC-1	114.4x100x48.5	69	239252

2200 SmartCase socket set

HAZET SmartCase – be smart – In any case

- Developed and produced „Made in Germany“
- Innovative concept of a compact, foldable tool set
- Easy to clean material and pleasant surface feel
- Combines the advantages of a slim and light soft surface (black) with the durability of a hard-shell tool box
- Durable, robust tool holder – no tools rolling around or rattling
- Magnetic fastener – quick to open and wear-free
- Stable and easily accessible tool storage
- Maximum number of tools in the smallest space for the best overview
- Optimal overview and easy removal of the tool – can be folded flat or – similar to a tablet case – can be stood up



HAZET SMART CASE

863 HP B • 6.3 ¼" •

850 • • 6.3 ¼"
4 • 5 • 5.5 • 6
7 • 8 • 9 • 10
11 • 12 • 13 • 14

867-4 • 6.3 ¼" • 6.3 ¼"

2304 N • 6.3 ¼" • 6.3 ¼"

2208 • • 6.3 ¼"
0.5x4 • 0.6x4.5 • 1.2x6.5

2208 • • 6.3 ¼"
0.8x5.5

2215 • • 6.3 ¼"
PH 1 • PH 2 • PH 3

2215 • • 6.3 ¼"
PH 1 • PH 2

2216 • • 6.3 ¼"
PZ 1 • PZ 2 • PZ 3

2216 • • 6.3 ¼"
PZ 1 • PZ 2

2204 • • 6.3 ¼"
2 • 3 • 4 • 5 • 6

2204 • • 6.3 ¼"
3 • 4 • 5 • 6

2223 • • 6.3 ¼"
T 10 • T 15 • T 20 • T 25
T 27 • T 30 • T 40

2223 • • 6.3 ¼"
T 20 • T 25 • T 30

HAZET No.	L x W x H mm		EAN-No. 4000896+
2200 SC-2	114.4x100x48.5	50	239603



Components and spare parts from page 482 to 490

2208 Bit

• Hexagon drive ISO 1173 C6.3 (¼"), ISO 2351-1 C6,3



HAZET No.	l mm	mm	b mm		EAN-No. 4000896+
2208 N-2/3	25	0.4	1.5	3	238309
2208 N-4/3	25	0.5	4	3	238316
2208 N-6/3	25	0.6	4.5	3	238323
2208 N-8/3	25	0.8	5.5	3	238330
2208 N-9/3	25	1	6	3	238347
2208 N-10/3	25	1.2	6.5	3	238354
2208 N-11/3	25	1.2	8	3	238361

2215 Bit

• Hexagon drive ISO 1173 C6.3 (¼"), ISO 2351-2 C6,3



HAZET No.	l mm		EAN-No. 4000896+
2215 N-PH 1/3	25	3	238378
2215 N-PH 2/3	25	3	238385
2215 N-PH 3/3	25	3	238392

• Long design
• Hexagon drive ISO 1173 C6.3 (¼"), ISO 2351-2 C6,3



HAZET No.	l mm		EAN-No. 4000896+
2215 N S Lg-PH 1/3	50	3	239009
2215 N S Lg-PH 2/3	50	3	239016
2215 N S Lg-PH 3/3	50	3	239023

2216 Bit

• Hexagon drive similar to ISO 1173 C6.3 (¼")



HAZET No.	l mm		EAN-No. 4000896+
2216 N-PZ 1/3	25	3	238408
2216 N-PZ 2/3	25	3	238415
2216 N-PZ 3/3	25	3	238422

• Long design
• Hexagon drive similar to ISO 1173 C6.3 (¼")



2216 Bit

HAZET No.	l mm		EAN-No. 4000896+
2216 N S Lg-PZ 1/3	50	3	239030
2216 N S Lg-PZ 2/3	50	3	239047
2216 N S Lg-PZ 3/3	50	3	239054

2223 Bit

• Hexagon drive ISO 1173 C6.3 (¼")



HAZET No.	l mm	mm		EAN-No. 4000896+
2223 N-T 6/3	25	1.67	3	238439
2223 N-T 7/3	25	1.99	3	238446
2223 N-T 8/3	25	2.31	3	238453
2223 N-T 9/3	25	2.50	3	238460
2223 N-T 10/3	25	2.74	3	238477
2223 N-T 15/3	25	3.27	3	238484
2223 N-T 20/3	25	3.86	3	238491
2223 N-T 25/3	25	4.43	3	238507
2223 N-T 27/3	25	4.99	3	238514
2223 N-T 30/3	25	5.52	3	238521
2223 N-T 40/3	25	6.65	3	238538

• Long design
• Hexagon drive ISO 1173 C6.3 (¼")



HAZET No.	l mm	mm		EAN-No. 4000896+
2223 N S Lg-T 10/3	50	2.74	3	239115
2223 N S Lg-T 15/3	50	3.27	3	239122
2223 N S Lg-T 20/3	50	3.86	3	239139
2223 N S Lg-T 25/3	50	4.43	3	239146
2223 N S Lg-T 27/3	50	4.99	3	239153
2223 N S Lg-T 30/3	50	5.52	3	239160
2223 N S Lg-T 40/3	50	6.65	3	239177

2223 LG Bit

• Long design
• Hexagon drive similar to ISO 1173 C6.3 (¼")



HAZET No.	l mm	mm	EAN-No. 4000896+
2223 Lg-T 25	65	4.43	015061

• Long design
• Hexagon drive similar to ISO 1173 C6.3 (¼")
• Round blade
• Suitable for all **MERCEDES-BENZ** passenger cars model year → 2011 with bolted air bag unit



HAZET No.	l mm	mm	EAN-No. 4000896+
2223 Lg-T 30	70	5.52	015092

Components and spare parts from page 482 to 490

2223 Bit

• Hexagon drive ISO 1173 C6.3 (¼")



HAZET No.	l mm	mm		EAN-No. 4000896+
2223 N-T 7 H/3	25	1.99	3	238545
2223 N-T 8 H/3	25	2.31	3	238552
2223 N-T 9 H/3	25	2.50	3	238569
2223 N-T 10 H/3	25	2.74	3	238576
2223 N-T 15 H/3	25	3.27	3	238583
2223 N-T 20 H/3	25	3.86	3	238590
2223 N-T 25 H/3	25	4.43	3	238613
2223 N-T 27 H/3	25	4.99	3	238606
2223 N-T 30 H/3	25	5.52	3	238620
2223 N-T 40 H/3	25	6.65	3	238637

2204 Bit

• Hexagon drive ISO 1173 C6.3 (¼"), ISO 2351-3 C6,3



HAZET No.	s mm	l mm		EAN-No. 4000896+
2204 N-2/3	2	25	3	238224
2204 N-2.5/3	2.5	25	3	238231
2204 N-3/3	3	25	3	238248
2204 N-4/3	4	25	3	238255
2204 N-5/3	5	25	3	238262
2204 N-6/3	6	25	3	238279
2204 N-7/3	7	25	3	238286
2204 N-8/3	8	25	3	238293

• Long design
• Hexagon drive ISO 1173 C6.3 (¼"), ISO 2351-3 C6,3



HAZET No.	s mm	l mm		EAN-No. 4000896+
2204 N S Lg-3/3	3	50	3	239061
2204 N S Lg-4/3	4	50	3	239078
2204 N S Lg-5/3	5	50	3	239085
2204 N S Lg-6/3	6	50	3	239092
2204 N S Lg-8/3	8	50	3	239108

2211 Bit

• DIN 65254, Hexagon drive ISO 1173 C6.3 (¼")



HAZET No.	l mm	EAN-No. 4000896+
2211-4	25	056392
2211-5	25	056408

2225 5-star bit

• Operation of **inside 5-star screws with pin**
• Hexagon drive ISO 1173 C6.3 (¼")



HAZET No.	l mm	EAN-No. 4000896+
2225-10 H	25	097043
2225-15 H	25	097050
2225-20 H	25	097067
2225-25 H	25	097074
2225-27 H	25	097081
2225-30 H	25	097098
2225-40 H	25	097104

863-Bit Reversible ratchet · solid steel · for bits

Made in Germany
• 89 mm short style

• Sturdy design in short, slim form
• Ergonomic finger support on the end of the handle
• Number of teeth: 20
• Opening angle: 18°
• Angled at 15° to reduce risk of entrapment
• With locking spring to securely hold the bits
• Surface: chrome-plated

YouTube Clip





HAZET No.	l mm	EAN-No. 4000896+
863 M Bit	89	196111

863-Bit Reversible ratchet for screwdriver bits · fine-tooth

Made in Germany
• A lot more power than with ratchets with the same dimensions

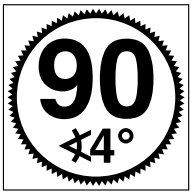
• Engaging function of the shift lever provides protection against unwanted switching
• Longer lifetime by using the latest lubricants in the ratchet mechanism
• Close manufacturing tolerances prevent dirt from getting in
• HAZET internal quality standards guarantee a loading capacity far beyond standard requirements
• Chrome-plated surface: high-quality, easy to clean, corrosion-resistant
• Integrated hanging option in the handle
• VPA tested, static torque according to DIN 3122: 120 Nm (DIN: 62 Nm)
• Number of teeth: 90
• Opening angle: 4°
• With locking spring to securely hold the bits
• HAZET 2-component handle
• Surface: chrome-plated



HiPer
HIGH PERFORMANCE
THE ORIGINAL
MADE IN GERMANY



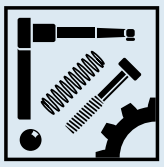




HAZET No.	l mm	EAN-No. 4000896+
863 HP B	116	235346

Components and spare parts from page 482 to 490

Wear? – No problem!



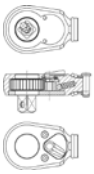
- **HAZET** tools are manufactured to **the highest quality**. During long intensive loading there is a certain level of wear even for high-quality tools.
- For this reason, there are spare parts and replacement sets available for many of our tools.

Please also see our spare parts shop
www.hazet.de/ersatzteil-shop

Cost-saving – Sustainable – Resource-saving!
For long-term pleasure with your HAZET tools

863 Replacement set

Made in Germany





HAZET No.	EAN-No. 4000896+
• **Replacement set for shift lever** consisting of: shift lever · pawl · screws · ball · compression spring For HAZET reversible ratchet 863 K · 863 · 863 G · 863 P · 863 PC · 863 Q · 863 S · 863 ST · 863 BGL · 863 BKC · 863 BK · 863 MC · 863 Mbit · 2264	
863 P/6	144600
• **Replacement set for ratchet wheel** ⬡ 6.3 = ¼" consisting of: ratchet wheel · pawl · shift lever · screws · ball · compression spring For HAZET reversible ratchet 863 BGL · 863 BKC · 863 BK · 863 MBit · 2264	
2264/7	015917

810 BH Bit holder

- **Versatile and flexible for home and workshop**

6.3 ¼"

- The perfect addition to HAZET bit sets
- Special design prevents unwanted rolling away
- With bayonet fitting for a secure hold of bits
- Non-slip HAZET 3-component handle – allows high power transmission



HAZET No.	l_1 mm	l_2 mm	EAN-No. 4000896+
810 BH	22.5	132.5	217175

810 BHK Bit holder

- **Versatile and flexible for home and workshop**

6.3 ¼"

- The perfect addition to HAZET bit sets
- Special design prevents unwanted rolling away
- With bayonet fitting for a secure hold of bits
- Non-slip HAZET 3-component handle – allows high power transmission



HAZET No.	l_1 mm	l_2 mm	EAN-No. 4000896+
810 BHK	28.5	98.2	237579

810 SPC Bit holder

- 6-point blade
- With magnet for a secure hold of bits
- Non-slip HAZET 3-component handle – allows high power transmission
- Surface: matt chrome-plated

6.3 ¼"



HAZET No.	l_1 mm	l_2 mm	EAN-No. 4000896+
810 SPC-6.3	100	210	165827

810 R Ratcheting bit screwdriver

- **Integrated storage handle**

- Ratchet function is convertible or for use as normal screwdriver
- Bit magazine easy to open by pressing a button in combination with pulling
- Comfortable to hold, offers effective impact
- Length: 170 mm (closed, without extension)
- Extension: 80 mm



0.5 x 4 • 1.2 x 6.5 | PZ 1 • PZ 2 | T 15 • T 20 • T 25

PH 1 • PH 2 | 4 • 5 • 6

HAZET No.	l_1 mm	l_2 mm		EAN-No. 4000896+
810 R-3	170	250	13	239658

- **Integrated storage handle**

6.3 ¼"

- Ratchet function is convertible or for use as normal screwdriver
- Bit magazine easy to open by pressing a button in combination with pulling
- Comfortable to hold, offers effective impact
- Length: 170 mm (closed, without extension)
- Extension: 80 mm



0.8 x 5.5 | PH 1 • PH 2 | 3 • 4 • 5 • 6 | T 15 • T 20 • T 25 T 27 • T 30

HAZET No.	l_1 mm	l_2 mm		EAN-No. 4000896+
810 R-4	170	250	13	239665

2255 Bit holder

Made in Germany

6.3 ¼"

- Flexible shaft
- Plastic handle



HAZET No.	l_1 mm	l_2 mm	EAN-No. 4000896+
2255-1	200	310	050079

Components and spare parts
from page 482 to 490

2265 Reversible ratchet for bits

- For screwdriver bits with drive ⬡ 6.3 = 1/4″, and ⬡ 8 = 5/16″
- Surface: bright chrome-plated
- Straight design

6.3 1/4″ 8 5/16″





HAZET No.	l mm	EAN-No. 4000896+
2265-1	140	079636

2239 Adapter

Made in Germany

6.3 1/4″ 6.3 1/4″

- Stainless steel socket
- Hexagon drive burnished
- With magnet for a secure hold of bits
- DIN 7427-B, ISO 1173
- For power screwdrivers ⬢ E 6.3 mm → ⬡ D 6.3 = 1/4″ e.g. AEG, Atlas Copco, Black & Decker, Bosch



HAZET No.	l mm	EAN-No. 4000896+
2239-3	75	015399

- Hexagon drive burnished
- With bayonet fitting for a secure hold of bits
- DIN 7427-B, ISO 1173

6.3 1/4″ 6.3 1/4″



HAZET No.	l mm	EAN-No. 4000896+
2239 N-6	60	238934

2304 Adapter

- With locking ball
- Surface: phosphatized, oiled

6.3 1/4″ 6.3 1/4″



HAZET No.	l mm	EAN-No. 4000896+
• Adapter ⬢ 6.3 = 1/4″ → ■ 6.3 = 1/4″		
2304N	25	238071
• Adapter ⬢ 10 = 3/8″ → ■ 12.5 = 1/2″		
2311	38	016068

2238 Adapter

Made in Germany

6.3 1/4″ 6.3 1/4″

- For the connection of sockets ☐ 6.3 = 1/4″ (DIN 3120 – A 6.3) and operating tools with drive ⬡ 6.3 = 1/4″, (ISO 1173-E 6.3)
- With locking ball
- Surface: burnished, oiled



HAZET No.	l mm	EAN-No. 4000896+
2238-1	50	063741

2250 Adapter

Made in Germany

6.3 1/4″ 6.3 1/4″

- Inside square and inside hexagon sockets
- With locking spring to securely hold the bits
- Surface: chrome-plated



HAZET No.	l mm	EAN-No. 4000896+
• ☐ 6.3 = 1/4″ → ○ 6.3 = 1/4″		
2250-1	23.5	015443
• ☐ 10 = 3/8″ → ○ 6.3 = 1/4″		
2250-2	30	015450
• ☐ 12.5 = 1/2″ → ○ 6.3 = 1/4″		
2250-4	35	015504

2272 Impact bit screwdriver set

- Impact operation of tight screw connections
- Up to 80 Nm loosening and tightening torque
- Switchable (right- and left-hand threads)
- Pretension impact screwdriver by rotating the handle left (loosening or right-hand thread) or right (tightening or left-hand thread) before every impact. Hit the head section of the impact screwdriver with a 300 g hammer
- No electricity, compressed air or other resources needed
- Plastic box 165-S (1/9)
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent



1/9


2206 • ○ • 8 5/16″
5 • 6 • 8 • 10


2217 • ✪ • 8 5/16″
PH 2 • PH 3 • PH 4


2272 • 8 5/16″


2210 • ⊖ • 8 5/16″
0.8x5.5 • 1x5.5 • 1.2x6.5
1.6x8 • 2x12


2224 • ✪ • 8 5/16″
T 30 • T 40 • T 45 • T 50

HAZET No.	L x W x H mm		EAN-No. 4000896+
2272/23 N	185x153x52	23	192687

2210 Bit

- Hexagon drive ISO 1173 C8 (5/16″), ISO 2351-1 C8

⊖ 8 5/16″



HAZET No.	l mm	mm	b mm	EAN-No. 4000896+
2210- 8	41	0.8	5.5	014477
2210- 9	41	1	5.5	014484
2210-10	41	1.2	6.5	014422
2210-12	41	1.6	8	014446
2210-14	41	2	12	014460

Components and spare parts from page 482 to 490

2217 Bit

• Hexagon drive ISO 1173 C8 (5/16"), ISO 2351-2 C8



+ = Reinforced design

HAZET No.	l mm	EAN-No. 4000896+
2217-PH 1	32	014651
2217-PH 2	32	014668
2217-PH 3	32	014682
2217-PH 4 +	38	014699

2218 Bit

• Hexagon drive similar to ISO 1173 C8 (5/16")



+ = Reinforced design

HAZET No.	l mm	EAN-No. 4000896+
2218-PZ 1	32	014705
2218-PZ 2	32	014712
2218-PZ 3	32	014729
2218-PZ 4 +	38	014736

2224 Bit

• Hexagon drive ISO 1173 C8 (5/16")



HAZET No.	l mm	mm	EAN-No. 4000896+
2224-T 25	35	4.43	015115
2224-T 27	35	4.99	015122
2224-T 30	35	5.52	015139
2224-T 40	35	6.65	015160
2224-T 45	35	7.82	015177
2224-T 50	35	8.83	015184
2224-T 55	35	11.22	015191

2224 SLG Bit

• Long design
• Hexagon drive ISO 1173 C8 (5/16")



HAZET No.	l mm	mm	EAN-No. 4000896+
2224 S Lg-T 30	100	5.52	015245
2224 S Lg-T 40	100	6.65	015252
2224 S Lg-T 45	100	7.82	015269
2224 S Lg-T 50	100	8.83	015283

2206 Bit

• Hexagon drive ISO 1173 C8 (5/16"), ISO 2351-3 C8



* = Not according to ISO 2351-3

HAZET No.	s mm	l mm	EAN-No. 4000896+
2206- 5	5	30	014262
2206- 6	6	30	014279
2206- 7	7	30	151349
2206- 8	8	30	014286
2206-10 *	10	30	014255









Components and spare parts from page 482 to 490

2212 Bit

• DIN 65254, Hexagon drive ISO 1173 C8 (5/16″)



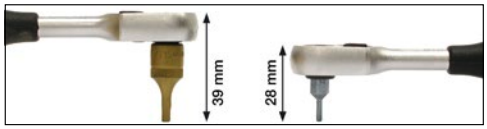
HAZET No.	l mm	EAN-No. 4000896+
2212- 6	32	056415
2212- 8	32	056422
2212-10	32	056439

2264 Reversible ratchet for bits

Made in Germany

• Surface: chrome-plated, polished



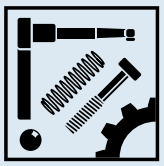


HAZET No.	l mm	EAN-No. 4000896+
• Drive ⬡ 8 = 5/16″		
• 30 teeth		
2264-1	200	015894

Wear? – No problem!

• **HAZET** tools are manufactured to **the highest quality**. During long intensive loading there is a certain level of wear even for high-quality tools.

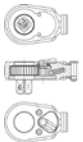
• For this reason, there are spare parts and replacement sets available for many of our tools.



Please also see our spare parts shop
www.hazet.de/ersatzteil-shop

Cost-saving – Sustainable – Resource-saving!
For long-term pleasure with your HAZET tools

8816 Replacement set





HAZET No.	EAN-No. 4000896+
• **Replacement set for shift lever** consisting of: shift lever · screws · ball · compression spring · pawl For HAZET reversible ratchet 8816 G · 8816 GK · 8816 P · 8816 S · 8816 ST 916 K · 2264-1 For HAZET torque wrench 5110-2 CT · 5120-2 CT · 5110-3 CT · 5111-3 CT · 5120-3 CT 6110 CT · 6110-1 CT · 6111-1 CT 6114-1 CT · 6115-1 CT 6402-1 · 6402-1 S · 6408-1	
8816 P/6	144617
• **Replacement set for ratchet wheel** ⬡ 8 = 5/16″ consisting of: ratchet wheel · pawl · shift lever · screws · ball · compression spring For HAZET reversible ratchet 2264-1 · 6408-1	
2264-1/7	015900

2272 Impact bit screwdriver

• Impact operation of tight screw connections
• Up to 80 Nm loosening and tightening torque
• Switchable (right- and left-hand threads)
• Pretension impact screwdriver by rotating the handle left (loosening or right-hand thread) or right (tightening or left-hand thread) before every impact. Hit the head section of the impact screwdriver with a 300 g hammer
• No electricity, compressed air or other resources needed



HAZET No.	l mm	EAN-No. 4000896+
2272	165	015979

8808 S Impact adapter

Made in Germany

• Fixation of power screwdriver sockets with ☐ drive 10 = 3/8″
• With locking pin retaining
• Surface: steel grey, oiled



HAZET No.	l mm	EAN-No. 4000896+
• Adapter ⬢ 8 = 5/16″ → ■ 10 = 3/8″		
8808 S-1	75	040032

2250 Adapter

• Inside square and inside hexagon sockets
• With locking spring to securely hold the bits
• Surface: chrome-plated



HAZET No.	l mm	EAN-No. 4000896+
• ☐ 10 = 3/8″ → ○ 8 = 5/16″		
2250-3	31	015474
• ☐ 12.5 = 1/2″ → ○ 8 = 5/16″		
2250-5	36	015511



Pliers

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Diagonal cutters [1802 – 1804]	210–211
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Components and spare parts
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The surface of the HAZET pliers

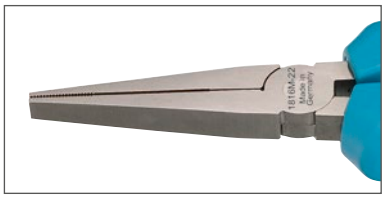
Top quality for a long service life

Bright chrome-plated



- Resistant to tarnishing
- Resistant to air, water, diluted acids and most alkalis
- Protection against corrosion and wear
- Elegant appearance

Polished and sand-blasted



- Non-glaring
- Increased scratch resistance, therefore longer service life

The handles

Ergonomically shaped



① Maximum safety with slip protection

② 2-component handle – excellent touch and feel with hard and soft zones distributed throughout

③ Ergonomically shaped – therefore free of fatigue in continuous operation

The wire classes

Cutting values according to DIN ISO 5744:

Material examples	Wire hardness	Tensile strength N/mm²		
○	Medium-hard	approx. 800	Nail, wire pin	
◒	Hard wire	approx. 1600	Steel wire, cable fibre	
●	Piano wire	approx. 2300	Spring steel wire	

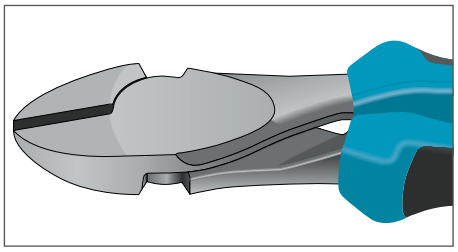
Pictogram key

▬	For flat material on pliers
●	For round material on pliers
❮	Centre cutter
❮	Flush cutter
●●	Round-nose pliers

▬	Flat nose pliers
●	Snipe nose pliers
○	Inside lockrings
●	Outside lockrings

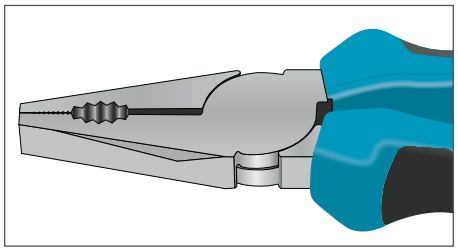
Small HAZET pliers basics

Joint types



Lay-on slip joint:

Here the two halves of the pliers sit on top of each other without special elaboration.



Lap joint:

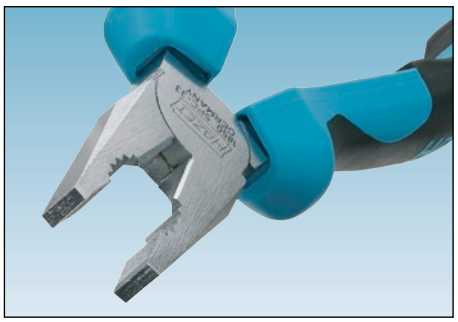
Here each shank of the pliers is wrought as far as half way inside the joint area in such a way that both shanks sit optimally inside each other



Box joint:

Here one half of the pliers shank is slotted so that the other half can be pushed through with an exact fit. Advantage: with the two-sided mounting of the joint bolt and the double guidance of the pliers' inside shank, this joint connection can withhold high loads.

Jaw forms



Flat



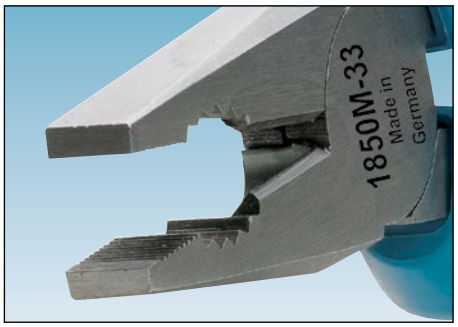
Snipe nose



Obtusely curved

Gripping area

- Chequered in accordance with DIN ISO 5742



Components and spare parts
from page 482 to 490

1850 Combination pliers

Made in Germany
- Induction-hardened cutting edges with grind
- Cutting edge hardness: 60 HRC
- Ergonomically shaped HAZET 2-component plastic handle covers (blue/black)
- Surface: bright chrome-plated
- DIN ISO 5746



HAZET No.	l mm	Rm N/mm² ○ 800	Rm N/mm² ◒ 1600	EAN-No. 4000896+
1850-22	170	3	2	007141
1850-33	190	3.2	2.2	007165

1850 M Combination pliers

Made in Germany
- Induction-hardened cutting edges with grind
- Cutting edge hardness: 60 HRC
- Ergonomically shaped HAZET 2-component plastic handle covers (blue/black)
- Surface: polished, blasted
- DIN ISO 5746



HAZET No.	l mm	Rm N/mm² ○ 800	Rm N/mm² ◒ 1600	EAN-No. 4000896+
1850 M-22	160	2.5	1.8	145034
1850 M-33	180	2.8	2.5	144747

1851 Heavy-duty combination pliers

Made in Germany
- **Optimum leverage ratio due to small distance between joint and cutting edges**

- Induction-hardened cutting edges with grind
- Cutting edge hardness: 64 HRC
- Ergonomically shaped HAZET 2-component plastic handle covers (blue/black)
- Surface: chrome-plated, head high gloss
- DIN ISO 5746



HAZET No.	l mm	Rm N/mm² ○ 800	Rm N/mm² ◒ 1600	Rm N/mm² ● 2300	EAN-No. 4000896+
1851-44	210	3.8	2.7	2.2	055081

1851 M Heavy-duty combination pliers

Made in Germany
- **Optimum leverage ratio due to small distance between joint and cutting edges**

- Induction-hardened cutting edges with grind
- Cutting edge hardness: 64 HRC
- Ergonomically shaped HAZET 2-component plastic handle covers (blue/black)
- Surface: polished, blasted
- DIN ISO 5746



HAZET No.	l mm	Rm N/mm² ○ 800	Rm N/mm² ◒ 1600	Rm N/mm² ● 2300	EAN-No. 4000896+
1851 M-44	200	3.8	2.7	2.2	144914

1803 Diagonal cutter

Made in Germany
- Easy motion joint free of clearance
- Lap joint
- Induction-hardened cutting edges with grind
- Cutting edge hardness: 62 HRC
- Ergonomically shaped HAZET 2-component plastic handle covers (blue/black)
- Surface: bright chrome-plated
- DIN ISO 5749



HAZET No.	l mm	Rm N/mm² ○ 800	Rm N/mm² ◒ 1600	EAN-No. 4000896+
1803-11	145	2.5	1.8	093854
1803-22	165	2.8	2	006106

1803 M Diagonal cutter

Made in Germany
- Easy motion joint free of clearance
- Lap joint
- Induction-hardened cutting edges with grind
- Cutting edge hardness: 62 HRC
- Ergonomically shaped HAZET 2-component plastic handle covers (blue/black)
- Surface: polished, blasted
- DIN ISO 5749



HAZET No.	l mm	Rm N/mm² ○ 800	Rm N/mm² ◒ 1600	EAN-No. 4000896+
1803 M-11	145	2.5	1.8	145218
1803 M-22	165	2.8	2	144945
1803 M-33	180	3	2.5	145225

1802 Heavy-duty diagonal cutter

Made in Germany
- **Optimum leverage ratio due to small distance between joint and cutting edges**

- Forged design
- Easy motion joint free of clearance
- Lay-on slip joint
- Induction-hardened cutting edges with grind
- Cutting edge hardness: 64 HRC
- Ergonomically shaped HAZET 2-component plastic handle covers (blue/black)
- Surface: bright chrome-plated
- DIN ISO 5749



HAZET No.	l mm	Rm N/mm² ○ 800	Rm N/mm² ◒ 1600	Rm N/mm² ● 2300	EAN-No. 4000896+
1802-11	160	3.5	2.5	2	006038
1802-22	180	3.8	2.7	2.2	006052
1802-33	200	4.2	3	2.5	006076

1802 M Heavy-duty diagonal cutter

Made in Germany
- **Optimum leverage ratio due to small distance between joint and cutting edges**

- Forged design
- Easy motion joint free of clearance
- Lay-on slip joint
- Induction-hardened cutting edges with grind
- Cutting edge hardness: 64 HRC
- Ergonomically shaped HAZET 2-component plastic handle covers (blue/black)
- Surface: polished, blasted
- DIN ISO 5749



HAZET No.	l mm	Rm N/mm² ○ 800	Rm N/mm² ◒ 1600	Rm N/mm² ● 2300	EAN-No. 4000896+
1802 M-11	160	3.5	2.5	2	144730
1802 M-22	180	3.8	2.7	2.2	144525
1802 M-33	200	4.2	3	2.5	144938

Components and spare parts from page 482 to 490

1804 N High-leverage diagonal cutter

Made in Germany

- Performance class H (piano wire, hardened steel wire)
- Leverage **reduces force expenditure by 40%**
- Opening spring and locking
- Induction-hardened cutting edges with grind
- Cutting edge hardness: 64 HRC
- Handles with dip coating
- DIN ISO 5747



HAZET No.	l mm	Rm N/mm² ○ 800	Rm N/mm² ◒ 1600	Rm N/mm² ● 2300	EAN-No. 4000896+
1804 N-2	160	3	2.7	2.2	086276

Pliers, with protective insulation

See chapter Tools with protective insulation / Tools for electricians page 257–258



1841 A Snipe nose pliers

Made in Germany

- Flat round shape, induction-hardened cutting edges
- Straight design
- Cutting edge hardness: 60 HRC
- Ergonomically shaped HAZET 2-component plastic handle covers (blue/black)
- Surface: bright chrome-plated
- DIN ISO 5745



HAZET No.	l mm	Rm N/mm² ○ 800	Rm N/mm² ◒ 1600	EAN-No. 4000896+
1841 a-22	165	2.5	1.6	006366
1841 a-33	205	2.8	1.8	006380

1841 MA Snipe nose pliers

Made in Germany

- Flat round shape, induction-hardened cutting edges
- Straight design
- Cutting edge hardness: 60 HRC
- Ergonomically shaped HAZET 2-component plastic handle covers (blue/black)
- Surface: polished, blasted
- DIN ISO 5745



HAZET No.	l mm	Rm N/mm² ○ 800	Rm N/mm² ◒ 1600	EAN-No. 4000896+
1841 M a-11	145	2.3	1.6	145232
1841 M a-22	165	2.5	1.6	144754
1841 M a-33	205	2.8	1.8	144877

1841 B Snipe nose pliers

Made in Germany

- Flat round shape, induction-hardened cutting edges
- Curved design (45°)
- Cutting edge hardness: 60 HRC
- Ergonomically shaped HAZET 2-component plastic handle covers (blue/black)
- Surface: bright chrome-plated
- DIN ISO 5745



HAZET No.	l mm	Rm N/mm² ○ 800	Rm N/mm² ◒ 1600	EAN-No. 4000896+
1841 b-33	200	2.8	1.8	006434

1841 MB Snipe nose pliers

Made in Germany

- Flat round shape, induction-hardened cutting edges
- Curved design (45°)
- Cutting edge hardness: 60 HRC
- Ergonomically shaped HAZET 2-component plastic handle covers (blue/black)
- Surface: polished, blasted
- DIN ISO 5745



HAZET No.	l mm	Rm N/mm² ○ 800	Rm N/mm² ◒ 1600	EAN-No. 4000896+
1841 M b-33	200	2.8	1.8	144891

1841 A Snipe nose pliers

Made in Germany

- **Extra long style**

- Flat round shape
- Straight design
- Handles with dip coating







HAZET No.	l mm	EAN-No. 4000896+
1841 A-280	280	051489
1841 B-280	280	051694

1816 Flat nose pliers

Made in Germany

- Flat form
- Straight design
- Ergonomically shaped HAZET 2-component plastic handle covers (blue/black)
- Surface: bright chrome-plated
- Functional dimensions according to DIN ISO 5745



HAZET No.	l mm	EAN-No. 4000896+
1816-22	160	006274

Made in Germany

- **Particularly flat shape for use in very confined spaces**

- Flat form
- Straight design
- Handles with dip coating





HAZET No.	l mm	EAN-No. 4000896+
1816 K-1	135	232949

Components and spare parts from page 482 to 490

1849 Spark plug socket pliers

Made in Germany

- **Especially suitable for hot terminals**

- Application: Installing and removing **spark plug sockets**
- Side cutter
- Ergonomically shaped HAZET 2-component plastic handle covers (blue/black)
- Surface: chrome-plated



HAZET No.	l mm	EAN-No. 4000896+
1849	195	007080

Made in Germany

- **Safe application due to milled jaw profile**

- Application: Installing and removing straight **spark plug sockets**
- Especially on **MERCEDES-BENZ**
- Ergonomically shaped HAZET 2-component plastic handle covers (blue/black)
- Surface: chrome-plated



HAZET No.	l mm	EAN-No. 4000896+
1849-1	200	128037

Made in Germany

- **Long style provides a better safety distance to the hot engine**

- Application: Installing and removing straight **spark plug sockets**
- Especially for **low-lying spark plug sockets,** e.g. on **AUDI** V6 and V8 engines · **JAGUAR** 12-cylinder
- Ergonomically shaped HAZET 2-component plastic handle covers (blue/black)
- Surface: chrome-plated



HAZET No.	l mm	EAN-No. 4000896+
1849-2	290	007103

Made in Germany

- **Especially suitable for hot terminals**

- Application: Installing and removing **spark plug sockets**
- Long style
- Ergonomically shaped HAZET 2-component plastic handle covers (blue/black)
- Surface: chrome-plated



HAZET No.	l mm	EAN-No. 4000896+
1849-3	265	055098

1810 End cutting/ tower pliers

Made in Germany

- Cutting edge hardness: 61 HRC
- DIN ISO 9242



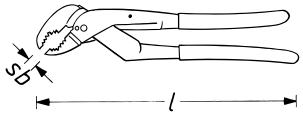
HAZET No.	l mm	Rm N/mm² ○ 800	Rm N/mm² ◒ 1600	EAN-No. 4000896+
1810-250	250	3.5	2	006236

760 N Universal pliers

Made in Germany

- **Relief-milled** guide flutes
- Jaws induction hardened
- Fluted lay-on slip joint
- Surface: chrome-plated
- DIN ISO 8976





HAZET No.	l mm	sb mm	sb ● mm	EAN-No. 4000896+
760 N-1	180	30	45	030460
760 N-2	260	50	65	030484
760 N-3	310	65	80	030514
760 N-4	415	110	120	030538

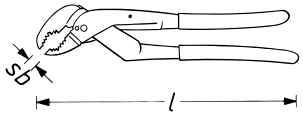
760 Universal pliers

Made in Germany

- **With quick-adjust lever: “Fits all your needs – …it all depends on the right lever”**

- Comfortable quick adjustment thanks to **tip/step lever function**
- **Adjustment without re-gripping** – one-hand actuation possible
- A maximum clamping range of up to 50 mm width across flats makes these HAZET pliers some of the largest in their class
- The integral clamping protection prevents injuries (e.g. crushing)
- Handles with dip coating
- DIN ISO 8976





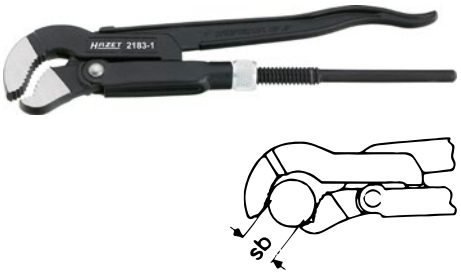
YouTube Clip



HAZET No.	l mm	sb mm	sb ● mm	EAN-No. 4000896+
760-2	260	50	50	188451

2183 Swedish pattern wrench

- Swedish pattern
- Self-locking, safe and firm grip even of smooth tubes due to 3-point tensioning
- Application on nuts and tubes,
  25 mm = 1″ – 37 mm = 1.½″ – 50 mm = 2″
- Handles with double-T-section profile
- Slim, S-shaped jaws, 45° angle
- Induction-hardened teeth
  offset against direction of rotation
- Forged design
- Surface: powder coated, polished jaws
- DIN 5234



HAZET No.	l mm	sb mm	EAN-No. 4000896+
2183-1.5	416	46	013753
2183-2	535	65	013760

1811 Wire twisters

- **Side cutter and serrated jaws**

- Right-hand drive
- Bevelled at 30°
- For wires up to 1.6 mm ∅
- Solid metal design
- Head polished



HAZET No.	l mm	EAN-No. 4000896+
1811-250	250	078936

1845 A Circlip pliers

Made in Germany

- Safe and fast working
- Firm hold on the safety ring thanks to precise, conical
  and relief-ground jaws (phosphatized)
- Solid plastic body
  – Extremely resilient metal core extends far into the pliers' shanks
  – Light-weight – ergonomically shaped
- Readjusting spring
- Twist-safe, tips are welded to the solid metal core
- Straight design (form A)
- For outside lockrings
- DIN 5254





HAZET No.	l mm	● mm	≡ mm	EAN-No. 4000896+
1845 A- 3	140	3–10	0.9	048663
1845 A-10	140	10–25	1.3	048670
1845 A-19	180	19–60	1.8	048687

1845 B Circlip pliers

Made in Germany

- Safe and fast working
- Firm hold on the safety ring thanks to precise, conical
  and relief-ground jaws (phosphatized)
- Solid plastic body
  – Extremely resilient metal core extends far into the pliers' shanks
  – Light-weight – ergonomically shaped
- Readjusting spring
- Twist-safe, tips are welded to the solid metal core
- Tips bent 90° (form B)
- For outside lockrings





HAZET No.	l mm	● mm	≡ mm	EAN-No. 4000896+
1845 B- 3	130	3–10	0.9	048694
1845 B-10	130	10–25	1.3	048700
1845 B-19	172	19–60	1.8	048717

1845 C Circlip pliers

Made in Germany

- Safe and fast working
- Firm hold on the safety ring thanks to precise, conical
  and relief-ground jaws (phosphatized)
- Solid plastic body
  – Extremely resilient metal core extends far into the pliers' shanks
  – Light-weight – ergonomically shaped
- Readjusting spring
- Twist-safe, tips are welded to the solid metal core
- Straight design (from C)
- For inside lockrings
- DIN 5256





HAZET No.	l mm	○ mm	≡ mm	EAN-No. 4000896+
1845 C- 8	140	8–11	0.9	048724
1845 C-12	140	12–25	1.3	048731
1845 C-19	180	19–60	1.8	048748



Components and spare parts
from page 482 to 490

1845 D Circlip pliers

Made in Germany

- Safe and fast working
- Firm hold on the safety ring thanks to precise, conical and relief-ground jaws (phosphatized)
- Solid plastic body
  – Extremely resilient metal core extends far into the pliers' shanks
  – Light-weight – ergonomically shaped
- Readjusting spring
- Twist-safe, tips are welded to the solid metal core
- Tips bent 90° (form D)
- For inside lockrings



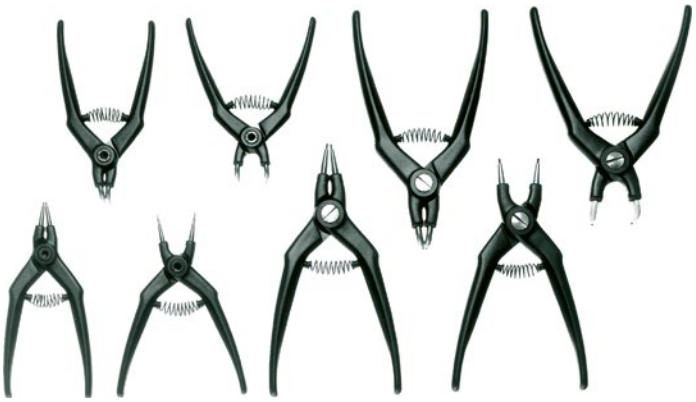


HAZET No.	l mm	○ mm	mm	EAN-No. 4000896+
1845 D- 8	133	8–11	0.9	048755
1845 D-12	133	12–25	1.3	048762
1845 D-19	170	19–60	1.8	048779

1845 Circlip pliers set

Made in Germany

- Safe and fast working
- Firm hold on the safety ring thanks to precise, conical and relief-ground jaws (phosphatized)
- Solid plastic body
  – Extremely resilient metal core extends far into the pliers' shanks
  – Light-weight – ergonomically shaped
- Readjusting spring
- Twist-safe, tips are welded to the solid metal core
- DIN 5254





1845 A
1845 A-10
1845 A-19



1845 B
1845 B-10
1845 B-19



1845 C
1845 C-8
1845 C-19



1845 D
1845 D-8
1845 D-19

HAZET No.		EAN-No. 4000896+
1845/8	8	048656

1845 Circlip pliers set

Made in Germany

- Safe and fast working
- Firm hold on the safety ring thanks to precise, conical and relief-ground jaws (phosphatized)
- Solid plastic body
  – Extremely resilient metal core extends far into the pliers' shanks
  – Light-weight – ergonomically shaped
- Readjusting spring
- Twist-safe, tips are welded to the solid metal core
- DIN 5254





1845 A-19



1845 B-19



1845 C-19

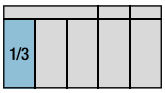


1845 D-19

HAZET No.		EAN-No. 4000896+
1845/4	4	184132

Made in Germany Ⓔ

- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent
- DIN 5254







1845 A-19



1845 B-19



1845 C-19



1845 D-19

HAZET No.	L x W mm		EAN-No. 4000896+
163-124/4	342x172	4	153602

1846 A Circlip pliers

Made in Germany

- Cylindrical tips worked out in optimal angle
- Exactly defined, extra stable cone tips
- Safe fit of the lockring
- Electrothermic hardening and tempering
- Straight design (from C)
- For inside lockrings
- Surface: chrome-plated, tip steel grey
- DIN 5256 form C



HAZET No.	l mm	○ mm	mm	EAN-No. 4000896+
1846 a-0	139	8–13	0.9	006793
1846 a-1	140	12–25	1.3	006809
1846 a-2	180	19–60	1.8	006816
1846 a-3	225	40–100	2.3	006823
1846 a-4	310	85–140	3.2	006830

1846 A Circlip pliers

Made in Germany

- **Quick-releasing locking mechanism for holding the respective removal or installation position**

- Shanks made of sheet steel
- Tips tempered, screwed, replaceable
- Straight design (from C)
- For inside lockrings
- Surface: powder coated



HAZET No.	l mm	mm	mm	EAN-No. 4000896+
• **Straight jaws for inside lockrings (bore holes)**				
1846 a-5	545	122–300	3.5	081271
• **Replacement tips** · straight For 1846 a-5				
1846 a-05/2	–	–	–	081288
• **Conversion tips** · bent at 90° To convert the pliers 1846 a-5				
1846 b-05/2	–	–	–	081318

1846 B Circlip pliers

Made in Germany

- Tips bent 90° (form D)
- For inside lockrings
- Surface: chrome-plated, tip steel grey
- DIN 5256 form D



HAZET No.	l mm	mm	mm	EAN-No. 4000896+
1846 b-0	139	8–13	0.9	006847
1846 b-1	140	10–25	1.3	006854
1846 b-2	180	19–60	1.8	006861
1846 b-3	225	40–100	2.3	006878
1846 b-4	310	85–165	3.2	006885

Made in Germany

- **Long, 90° angled tips**

- Jaws curved 90°
- Ergonomically shaped HAZET 2-component plastic handle covers (blue/black)
- Surface: chrome-plated





HAZET No.	l mm	mm	mm	EAN-No. 4000896+
1846 b-1.6	195	12–30	1.5	061457

1846 C Circlip pliers

Made in Germany

- Straight design (form A)
- For outside lockrings
- Surface: chrome-plated, tip steel grey
- DIN 5254 form A



▶

1846 C Circlip pliers

◀

HAZET No.	l mm	mm	mm	EAN-No. 4000896+
1846 c-0	139	3–10	0.9	006892
1846 c-1	140	10–25	1.3	006908
1846 c-2	180	19–60	1.8	006915
1846 c-3	225	40–100	2.3	006922
1846 c-4	310	85–140	3.2	006939

Made in Germany

- Shanks made of sheet steel
- Tips tempered, screwed, replaceable
- Straight design (form A)
- For outside lockrings
- Surface: powder coated



HAZET No.	l mm	mm	mm	EAN-No. 4000896+
• **Straight jaws for outside lockrings (shafts)**				
1846 c-5	538	122–300	3.5	081332
• **Replacement tips** · straight For 1846 c-5				
1846 c-05/2	–	–	–	081349
• **Conversion tips** · bent at 90° To convert the pliers 1846 c-5				
1846 d-05/2	–	–	–	081370

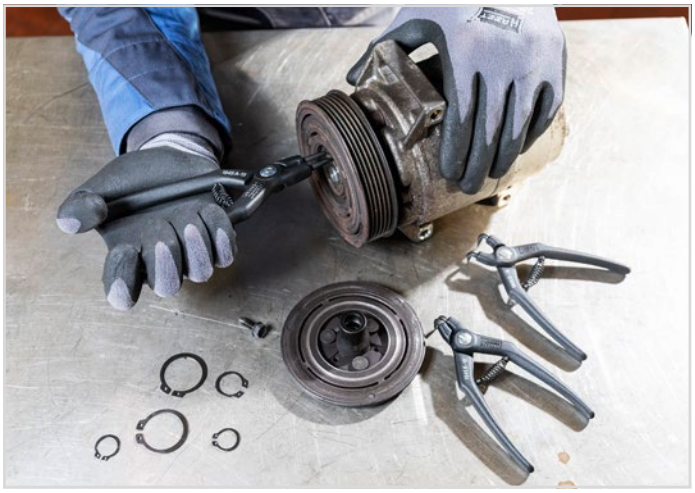
1846 D Circlip pliers

Made in Germany

- Tips bent 90° (form B)
- For outside lockrings
- Surface: chrome-plated, tip steel grey
- DIN 5254 form B



HAZET No.	l mm	mm	mm	EAN-No. 4000896+
1846 d-0	139	3–10	0.9	006946
1846 d-1	140	10–25	1.3	006953
1846 d-2	180	19–60	1.8	006960
1846 d-3	225	40–100	2.3	006977
1846 d-4	310	85–140	3.2	006984



Components and spare parts from page 482 to 490

1847 Circlip pliers

Made in Germany

- Jaws bent 90°, tips chequered
- For outside lockrings
- Surface: chrome-plated





HAZET No.	l mm	EAN-No. 4000896+
1847-2	200	007011

Made in Germany

- For homocinetic joint or drive shaft
- Jaws bent 10°, tips chequered
- For outside lockrings
- Surface: chrome-plated





HAZET No.	l mm	EAN-No. 4000896+
1847-3	200	007028

Made in Germany

- Jaws bent 30°
- Surface: chrome-plated





HAZET No.	l mm	EAN-No. 4000896+
1847-6	200	050468

Made in Germany

- Jaws bent 30°
- Surface: chrome-plated







HAZET No.	l mm	EAN-No. 4000896+
1847-61	200	058761

1847 Circlip pliers set

Made in Germany

- **Easy, damage-free assembly of the drive shaft joint: damage to the serration of joint and shaft is avoided with internal circlip during assembly of the drive shaft joint**

- Easy fixing of the locking pliers with the circlip
- The pliers automatically slip down when striking the joint
- Safe work without damage to the bellows
- For drive shafts from all manufacturers
- One-hand operation of the pliers
- No other tools needed

Application tip:

- Insert appropriate half shells (shaft diameter) in pliers
- Place pliers on serration with pre-assembled circlip and clamp
- Pre-positioning of the joint due to conical shape of the pliers makes it easier to introduce the serration without damage
- Suitable for almost all vehicles commonly registered in Europe
- Plastic box 165-L (1/3)
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent





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1847-12


1847-123/2


1847-126/2


1847-121/2


1847-124/2


1847-122/2


1847-125/2


1847-127/2

YouTube Clip

HAZET No.	L x W x H mm		EAN-No. 4000896+
1847-12/15	355x235x65	15	221288

1847 Components

Made in Germany

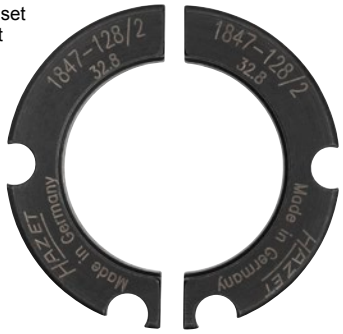
HAZET No.	EAN-No. 4000896+
• Circlip pliers	
1847-12	222117
• Half shell pair (∅ 19 mm)	
1847-121/2	221295
• Half shell pair (∅ 21.4 mm)	
1847-122/2	221301
• Half shell pair (∅ 22.3 – 23 mm)	
1847-123/2	221318
• Half shell pair (∅ 23.8 – 24.6 mm)	
1847-124/2	221325
• Half shell pair (∅ 26.2 – 26.9 mm)	
1847-125/2	221332
• Half shell pair (∅ 28.5 – 29.2 mm)	
1847-126/2	221349
• Half shell pair (∅ 30 mm)	
1847-127/2	221356

Components and spare parts
from page 482 to 490

1847 Supplementary set

Made in Germany

- Half shell pair (∅ 32.8 mm)
- Supplement for 1847-12/15
- Easy, damage-free installation of the drive shaft joint **VW** T5 · T6
- Correct, centred insertion of the circlip, e.g. when mounting the hinge on the drive shaft
- Exact fit, safe storage in the circlip pliers set 1847-12/15 with supplied soft foam insert





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NTN SNR

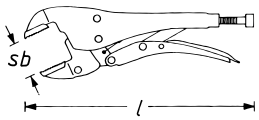
HAZET No.	EAN-No. 4000896+
1847-128/2	242009

757 Grip pliers

Made in Germany

- Half-round jaws
- Quick-release lever
- Wirecutter
- Surface: nickel-plated



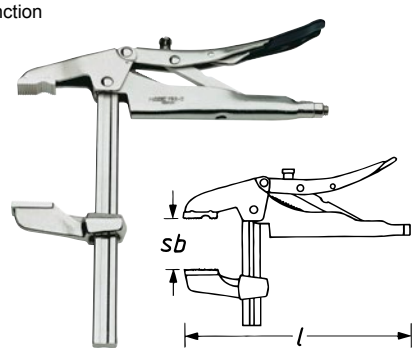


HAZET No.	l mm	sb mm	EAN-No. 4000896+
757- 5	140	30	062300
757- 7	180	35	030347
757-10	250	50	030293
757-12	300	65	030323

753 Grip pliers

Made in Germany

- For small round parts and bulky work pieces
- Parallel grip jaws – clamping function
- One-sided prismatic groove
- Long guide pin
- Quick-release lever
- Surface: nickel-plated



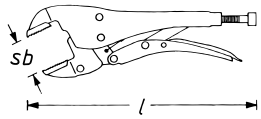
HAZET No.	l mm	sb mm	sb ● mm	EAN-No. 4000896+
753-2	260	200	5–75	030231

753 Grip pliers

Made in Germany

- Straight jaws – for flat material
- Quick-release lever
- Surface: nickel-plated



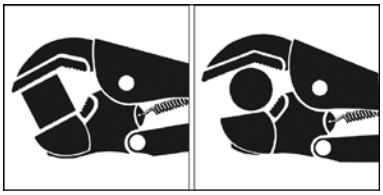


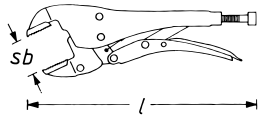
HAZET No.	l mm	sb mm	EAN-No. 4000896+
753-10	250	40	030200

Made in Germany

- One jaw straight, one half-round, with one swivel jaw for flat and asymmetrical material
- Surface: nickel-plated







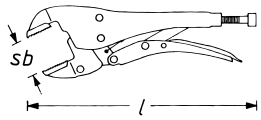
HAZET No.	l mm	sb mm	sb ● mm	EAN-No. 4000896+
753-10 S	250	45	16–45	030217

758 Grip pliers

Made in Germany

- **Malleable iron jaws**
  – extremely heat-resistant
  – especially resistant to welding bead deposits
- Quick-release lever
- Jaw angle 90°
- Surface: nickel-plated

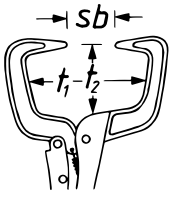




HAZET No.	l mm	sb mm	sb ● mm	EAN-No. 4000896+
758-1	280	51	35–70	030361

Made in Germany

- Quick-release lever
- Surface: nickel-plated





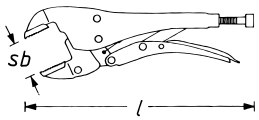
HAZET No.	l mm	sb mm	st mm	EAN-No. 4000896+
758-2	280	90	95–77	030378

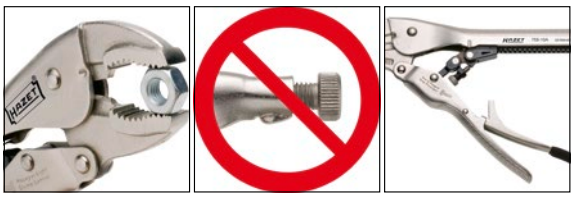
Components and spare parts
from page 482 to 490

755 Grip pliers · self-adjusting

- One-hand operation and automatic adjustment
- Variable adjustment of jaw pressure
- Easy and safe release – the jaws are locked until the release lever is pressed
- Cam mechanism – allows automatic adjusting of the pliers to any size when applying a constant jaw pressure
- Wirecutter
- Anti-slip surface







HAZET No.	l mm	sb ● mm	EAN-No. 4000896+
755- 6 A	161	0–32	126569
755- 7 A	192	0–44	126576
755-10 A	230	0–44	126590

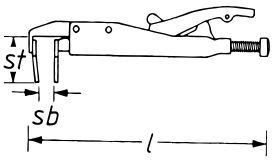
752 Grip pliers

- **Especially suitable for working with curves due to the slim design**

- Gripping power works in axial direction
- Quick-release lever
- Surface: bright nickel-plated
- For working on U-beams and weld seams in the fold







HAZET No.	l mm	sb mm	b mm	st mm	EAN-No. 4000896+
752-2	205	15	18	18	030125

798 Hose clamp pliers

Made in Germany
- Application: Simple hose clamps, e.g. on washing machines
- **Rotating jaws** – for areas with restricted access
- Surface: chrome-plated





HAZET No.	l mm	sb mm	EAN-No. 4000896+
798	206	40	031832

Made in Germany
- **Locking device, adjustable jaw opening**

- Application: Simple hose clamps
- **Rotating jaws** – for areas with restricted access
- Surface: chrome-plated





HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-1	285	45	031900

798 Clic hose clamp pliers

Made in Germany
- Application: Reusable CLIC type hose clips on fuel lines
- On e.g. **VW · AUDI · OPEL · PEUGEOT and ALFA ROMEO**
- Open and close easily by turning the pliers by 180°
- Fixed jaws, bent 90°









YouTube Clip

HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-2	175	20	051397

798 Hose clamp pliers

Made in Germany

- Application: Operating reusable **CLIC hose clips**
- **AUDI · VW · OPEL/VAUXHALL · PEUGEOT · SMART** and **MERCEDES-BENZ**
- Open and close easily by turning the pliers by 180°
- **Rotating jaws** – for areas with restricted access
- Surface: nickel-plated







HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-3	206	35	102433

Made in Germany

- Application: Self-gripping spring band hose clamps
- **Rotating jaws** – for areas with restricted access





HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-4	205	35	031948

Made in Germany

- Application: For **spring band hose clamps,** e.g. on **VW, AUDI and OPEL/VAUXHALL**
- **Rotating jaws** – for areas with restricted access





HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-5	210	6–40	031955

Made in Germany

- Application: For **spring band hose clamps 12 and 15 mm width,** 13 – 22 mm ∅
- **Rotating safety jaws**

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►

798 Hose clamp pliers

◄





HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-6	235	39	031962

Made in Germany

- **Self-adjusting joint allows easy working even on spring band hose clamps with large diameter**

- Application: For **self-gripping spring band hose clamps, 12 and 15 mm width**
- With locking device
- Self-adjusting joint
- **Rotating safety jaws**
- Handles with dip coating







HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-8	290	45	076697

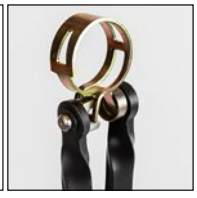
Made in Germany

- **With locking device**

- Application: Especially for spring band hose clamps **12 and 15 mm width** e.g. cooling and heating system
- **Rotating jaws, bent 110°** – for areas with restricted access
- Handles with dip coating







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HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-9	250	60	072163

Components and spare parts from page 482 to 490

798 Hose clamp pliers

Made in Germany

- **With locking device**

- Application: For spring band hose clamps – especially **for 12 mm and 15 mm spring band hose clamps** e.g. on **OPEL/VAUXHALL, VW, FORD, RENAULT, FIAT, PEUGEOT, CITROËN, PORSCHE, ALFA-ROMEO, MERCEDES-BENZ, SMART**
- Adjustable jaw opening
- Fixed jaws







HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-10	320	90	031917

Made in Germany

- **With locking device**

- Application: Self-gripping spring band hose clamps
- Adjustable jaw opening
- Handles with dip coating







HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-12	320	80	031931

Made in Germany

- **For use in areas with restricted access where the clamp cannot be reached straight forwardly**

- Application: **Operating spring band hose clamps whose three ends fit tightly on the hose**, e.g. on tank ventilation lines and fuel lines on **VW, AUDI, SEAT** and **ŠKODA**
- **Rotating jaws** – for areas with restricted access





HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-13	192	27	155248

798 Hose clamp pliers

Made in Germany

- Application: Operation of spring band hose clamps whose three ends fit tightly on the hose
- For e.g. on fuel lines and tank ventilation lines on **VW · AUDI · SEAT · ŠKODA**
- Surface: nickel-plated





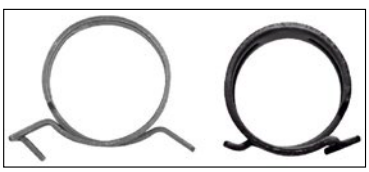
HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-14	177	8–20	109128

Made in Germany

- **Bowden cable (610 mm) enables application in areas with restricted access where the application of usual hose clamp pliers is not possible**

- Application: Operation of self-gripping spring band and space-saving hose clamps *sb* 7 –60 mm ∅, e.g. on the cooling and heating systems
- **One-hand operation thanks to automatic toothed fixing device**
- Sliding guide device with integrated tension spring and adjustable reversible plate
- Handles with dip coating





HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-15 A	875	7–60	097258
• **Bowden cable · complete** Bowden cable · coating · 2 headless screws · spring **for 798-15 A**			
798-0151 A	–	–	097753
• **Bowden cable** for 798-15 A and B			
798-0152 A	–	–	097760
• **Sliding guide device** for 798-15 A and B			
798-0153 A	–	–	097784

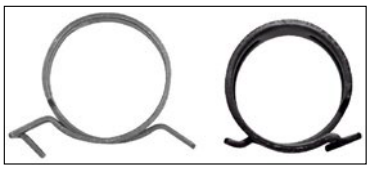
798 Hose clamp pliers

Made in Germany

- **Particularly suitable for areas with severely restricted access where the direct application of usual pliers is not possible**

- Application: Operating self-gripping spring band and space-saving hose clamps on the cooling and heating system
- **Plastic-coated, semi-flexible Bowden cable**
- The Bowden cable enables working without a guiding hand
- Sliding guide device with integrated tension spring and adjustable reversible plate
- **One-hand operation thanks to automatic toothed fixing device**
- Handles with dip coating





HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-15 B	875	7–60	117727
• **Flexible hose** for 798-15 B			
798-0150 B	–	–	142439
• **Bowden cable** for 798-15 A and B			
798-0152 A	–	–	097760
• **Sliding guide device** for 798-15 A and B			
798-0153 A	–	–	097784

Made in Germany

- **Reinforced bowden cable and sliding guide device**

- Application: **Special clamp with parallel clamp ends**, e.g. at the charge-air cooler connection on **VW** Passat or T5
- Bowden cable enables application in areas with restricted access
- Toothed fixing device and one-hand operation
- Fixing device is released by pressure lever
- Handles with dip coating



▶

798 Hose clamp pliers

◀



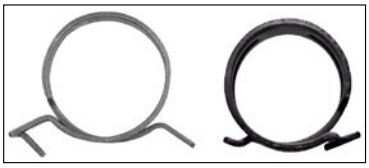


HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-16	875	3–50	149032
• **Bowden cable** for 798-16			
798-0162	–	–	149056
• **Sliding guide device** for 798-16			
798-0163	–	–	149063

Made in Germany

- Application: Operation of self-gripping **space-saving hose clamps** on coolant and fuel hoses in the entire vehicle area, in particular on **VW, AUDI, SEAT, ŠKODA**
- **Rotating jaws** – for areas with restricted access





HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-17	210	40	186068

798 Hose clamp pliers set

Made in Germany

- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent



1/3

HAZET No.	L x W mm		EAN-No. 4000896+
798 798-3 • 798-13 • 798-17			
163-425/3	342x172	3	202614



HAZET hammer

More safety at work!

BluGuard:



Lower end of handle painted black. Optimises grip

Ergonomically shaped Hickory handle

Steel handle protection sleeve highest level of protection against handle breakage in the case of faults

Peen & face

The cut of the two ends of the hammer are defined in DIN 1193. The face (the flat end) is even and chamfered all the way round. The peen runs evenly round and is bevelled at the sides

Embossed DIN 1041 and weight specification

Flush finish of ring wedge and hammer eye

Wedge



Higher flexibility strength thanks to surrounding angled stabilising band

Steel handle protection sleeve: extra safety from HAZET

- Highest level of protection against handle breakage in the case of faults
- Higher flexibility strength thanks to surrounding angled stabilizing band
- HAZET steel handle protection sleeve guarantees maximum protection in the case of faults



BluGuard: HAZET steel handle protection sleeve after failures:

- No deformations → just small scratches
- Exact firm fit



Handle without steel handle protection sleeve:

- Extremely noticeable handle damage
- Shortened service life and high risk of handle breakage

BluGuard:

Made in Germany

Components and spare parts from page 482 to 490

















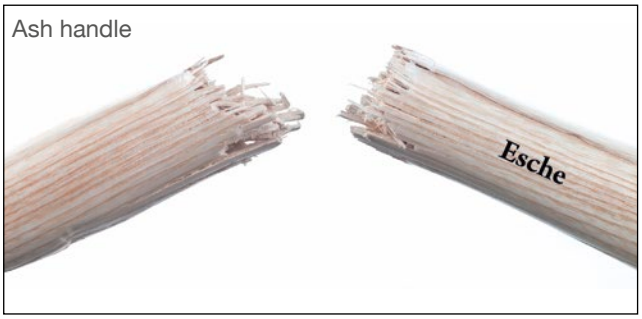
Hickory handles guarantee a high level of safety – why?

- Three to four times greater resilience safety compared with standard handles made from ash
- Long-fibre wood structure: even when damaged the handle is still held together, this guarantees significantly greater safety in the case of breakage
- Hammer heads will not fly off when the wooden handle is old
- Reduces vibration, extremely resistant to bending and durable

Hickory handle



Ash handle



Thanks to its long fibres, hickory wood holds the handle together even after breakages.

Components and spare parts
from page 482 to 490

2140 BluGuard Engineer's hammer

Made in Germany
- Quality range A
- **Steel handle protection sleeve – extra safety from HAZET**
  – Highest level of protection against handle breakage in the case of faults
  – Higher flexibility strength thanks to surrounding angled stabilising band
  – HAZET steel handle protection sleeve guarantees maximum protection in the case of faults
- Hickory handle
- With handle protection sleeve
- DIN 1041

360°





HAZET No.		l mm	EAN-No. 4000896+
2140- 20	200 g	280	196135
2140- 30	300 g	300	196142
2140- 40	400 g	310	196159
2140- 50	500 g	320	196166
2140- 80	800 g	350	196173
2140-100	1000 g	360	196180

2142 BluGuard club hammer

Made in Germany
- **Steel handle protection sleeve – extra safety from HAZET**
  – Highest level of protection against handle breakage in the case of faults
  – Higher flexibility strength thanks to surrounding angled stabilising band
  – HAZET steel handle protection sleeve guarantees maximum protection in the case of faults
- Hickory handle
- With handle protection sleeve
- DIN 6475





HAZET No.		l mm	EAN-No. 4000896+
2142-1	1000 g	260	196227
2142-2	1250 g	260	196234
2142-3	1500 g	280	196241
2142-4	2000 g	300	196258

2139 Sledge hammer

Made in Germany
- Particularly safe thanks to double wedge (1 ring wedge + 1 wooden wedge)
- Hickory handle
- DIN 1042



►

2139 Sledge hammer

◄

HAZET No.		l mm	EAN-No. 4000896+
2139-1	3000 g	600	196197
2139-2	5000 g	800	196203

2141 Machinist's hammer · English design

Made in Germany
- Round face and ball
- Hickory handle



HAZET No.		l mm	EAN-No. 4000896+
2141-4	2 lbs	380	012787

1953 Plastic hammer

Made in Germany
- **Non-rebound:** due to steel ball filling in the centre part of the hammer head and the special material of impact heads
- Replaceable hammer heads made of polyurethane, non-spalling and non-crumbling
- Gentle and careful working
- Abrasion-proof, long service-life
- PVC handle, resistant to oil and gasoline



HAZET No.	l mm	∅ mm	l mm	EAN-No. 4000896+
1953 N-30	295	30	110	227075
1953 N-35	300	35	110	227068
1953 N-40	305	40	115	227051
1953 N-50	315	50	120	227044
1953 N-60	335	60	145	227037

1953 Spare head

Made in Germany
- Polyurethane, non-splintering and non-crumbling
- Cramp worn-out head in a vice and twist to remove.
- Use a hammer to bump on new heads



HAZET No.	∅ mm	EAN-No. 4000896+
Spare heads (pair) for HAZET plastic soft-faced hammer 1953 N-30		
1953 N-030	30	227167
Spare heads (pair) for HAZET plastic soft-faced hammer 1953 N-35		
1953 N-035	35	227150
Spare heads (pair) for HAZET plastic soft-faced hammer 1953 N-40		
1953 N-040	40	227792
Spare heads (pair) for HAZET plastic soft-faced hammer 1953 N-50		
1953 N-050	50	227785
Spare heads (pair) for HAZET plastic soft-faced hammer 1953 N-60		
1953 N-060	60	227778

Components and spare parts from page 482 to 490

1952 Plastic hammer

Made in Germany

- Replaceable Desmopan® heads with low rebound
- Joint-protecting, ergonomic handle
- Zinc-cast centre part with protective guide bush for the handle
- Ash handle



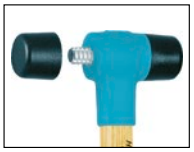
HAZET No.	l mm	∅ mm	EAN-No. 4000896+
1952-28	269	28	008506
1952-35	290	35	008520
1952-40	317	40	008544
1952-50	342	50	008551

1952 Spare head

Made in Germany

- Made of extremely tough Desmopan® material
- To remove worn-out heads turn to the left.
- Bump on new head with a hammer or by pressure without turning.





HAZET No.	∅ mm	EAN-No. 4000896+
• **Spare heads · pair** for HAZET plastic soft-faced hammer 1952-28		
1952-028	28	008391
• **Spare heads · pair** for HAZET plastic soft-faced hammer 1952-35		
1952-035	35	008414
• **Spare heads · pair** for HAZET plastic soft-faced hammer 1952-40		
1952-040	40	008438
• **Spare heads · pair** for HAZET plastic soft-faced hammer 1952-50		
1952-050	50	008452

2143 Rubber hammer

Made in Germany

- Made from tough hard rubber (90 shore), non-elastic, with strong impact
- Ash handle
- DIN 5128



HAZET No.		l mm		EAN-No. 4000896+
2143	225 g	320	∅ 54 mm x 90 mm	012794
2143-1	520 g	340	∅ 64 mm x 113 mm	196265

1951 Plastic soft-faced hammer · low rebound

Made in Germany

- Heads made from impact-resistant cellulose acetate
- Low rebound
- Ash handle



1951 Plastic soft-faced hammer · low rebound

HAZET No.	l mm	∅ mm	EAN-No. 4000896+
1951-27	265	27	196326
1951-32	280	32	196333
1951-40	320	40	196357

2144 Copper hammer

Made in Germany

- Hickory handle



HAZET No.		l mm	EAN-No. 4000896+
2144-1	750 g	330	196289
2144-2	1000 g	350	196296
2144-3	1500 g	360	196302
2144-4	2000 g	400	196319

2132 Hand axe

Made in Germany

- **Easy penetration into the wood due to specially polished cutting edge (lamella grinding technique)**
- **Non-slip end of the handle**

- Tool head and wooden handle with triple safety wedging (2132-600 with double wedging)
- High-grade C60 tool steel (2135-3000: C45 tool steel)
- Original USA hickory wooden handle, ergonomically shaped
- Anti-slip convenient handle
- Universal application in gardening and forestry work
- Length (handle): 360 mm
- Can also be used as a kitchen cleaver



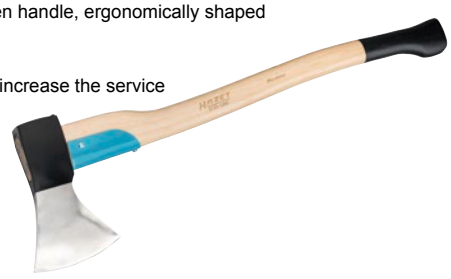
HAZET No.	EAN-No. 4000896+
2132-600	231140

2133 Wood axe

Made in Germany

- **Easy penetration into the wood due to specially polished cutting edge (lamella grinding technique)**
- **Non-slip end of the handle**

- Tool head and wooden handle with triple safety wedging (2132-600 with double wedging)
- High-grade C60 tool steel (2135-3000: C45 tool steel)
- Original USA hickory wooden handle, ergonomically shaped
- Anti-slip convenient handle
- Length (handle): 700 mm
- Impact protection sleeve to increase the service life in case of mishits



HAZET No.	EAN-No. 4000896+
2133-1250	231133

Components and spare parts from page 482 to 490

2134 Riving axe

Made in Germany

- **Easy penetration into the wood due to specially polished cutting edge (lamella grinding technique)**
- **Non-slip end of the handle**

- Tool head and wooden handle with triple safety wedging (2132-600 with double wedging)
- High-grade C60 tool steel (2135-3000: C45 tool steel)
- Original USA hickory wooden handle, ergonomically shaped
- Anti-slip convenient handle
- High splitting effect due to optimised head shape
- Hollow forged spreading wedges prevent the axe from jamming in the wood
- Length (handle): 500 mm
- Impact protection sleeve to increase the service life in case of mishits
- Cutting protection made of synthetic leather



HAZET No.	EAN-No. 4000896+
2134-1250	229529

2135 Sledgehammer

Made in Germany

- **Easy penetration into the wood due to specially polished cutting edge (lamella grinding technique)**
- **Non-slip end of the handle**

- Tool head and wooden handle with triple safety wedging (2132-600 with double wedging)
- High-grade C60 tool steel (2135-3000: C45 tool steel)
- Original USA hickory wooden handle, ergonomically shaped
- Anti-slip convenient handle
- Forged turning tappet to easily pull or turn pieces of wood
- Length (handle): 900 mm
- Impact protection sleeve to increase the service life in case of mishits
- Cutting protection made of synthetic leather



HAZET No.	EAN-No. 4000896+
2135-3000	231157

730 Flat chisel

Made in Germany

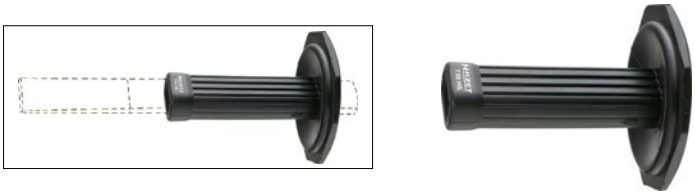
- Forged design
- Consistently hardened as per DIN (54-58 HRC)
- Impact head tempered as per DIN (38-46 HRC)
- Blades ground
  Regrinding without rehardening
- Flattened oval shaft
- Surface: immersion-lacquered
- DIN 6453



HAZET No.	l mm	mm	EAN-No. 4000896+
730-2	125	15	029563
730-3	150	18	029570
730-5	175	21	029594
730-6	200	24	029600
730-7	250	25	029617
730-8	300	26	029624

730 HS Hand guard

Made in Germany



HAZET No.	EAN-No. 4000896+
• **Hand guard** for HAZET flat chisel 730-6 · 7 · 8 • Made of impact-resistant plastic	
730 HS	029631

731 Flat chisel

Made in Germany

- Forged design
- Consistently hardened as per DIN (54-58 HRC)
- Impact head tempered as per DIN (38-46 HRC)
- Blades ground
  Regrinding without rehardening
- Octagonal shaft
- Surface: immersion-lacquered



HAZET No.	l mm	mm	EAN-No. 4000896+
731-2	125	11	029648
731-5	150	15	029655

740 Cape chisel

Made in Germany

- Forged design
- Consistently hardened as per DIN (54-58 HRC)
- Impact head tempered as per DIN (38-46 HRC)
- Blades ground
  Regrinding without rehardening
- Flattened oval shaft
- Surface: immersion-lacquered
- DIN 6451



HAZET No.	l mm	mm	EAN-No. 4000896+
740-3	150	6	029679

741 Cape chisel

Made in Germany

- Forged design
- Consistently hardened as per DIN (54-58 HRC)
- Impact head tempered as per DIN (38-46 HRC)
- Blades ground
  Regrinding without rehardening
- Octagonal shaft
- Surface: immersion-lacquered



HAZET No.	l mm	mm	EAN-No. 4000896+
741-1	125	4	029709

745 Drift punch

Made in Germany
- Octagonal shaft
- Surface: matt black
- DIN 6458



HAZET No.	l mm	∅ mm	EAN-No. 4000896+
745-1	120	1	029716
745-2	120	2	029723
745-3	120	3	029730

745 A Drift punch

Made in Germany
- Heavy design (D)
- Octagonal shaft



HAZET No.	l mm	∅ mm	EAN-No. 4000896+
745 a-2	120	2	029778
745 a-3	120	3	029785
745 a-4	120	4	029792
745 a-5	120	5	029808
745 a-6	120	6	029815

746 Centre punch

Made in Germany
- Octagonal shaft
- DIN 7250



HAZET No.	l mm	∅ mm	mm	EAN-No. 4000896+
746-1	120	4	10	029846
746-2	120	5	13	029853

750 Chisel, · drift punch, · centre punch set

Made in Germany



HAZET No.		EAN-No. 4000896+
750 731-2 • 731-5 • 741-1 • 745-3 • 745 a-4 • 746-1		
750/6	6	030026
750 730-3 • 730-6 • 740-3 • 745-2 • 745 a-4 • 746-2		
750/6-1	6	030033

747 Centre punch · self-punching

Made in Germany
- **Infinitely adjustable impact force from 3 to 30 kg**
- Tough punch tip (replaceable)
- High durability
- The impact force is applied by simply pressing down the upper part
- Knurled handle



HAZET No.	l mm	EAN-No. 4000896+
747-1	135	051434
• **Punch tip** for 747-1		
747-02	–	051380

748 A Drift pin

Made in Germany
- Octagonal shaft
- DIN 6450 form C



\+ = Long style

HAZET No.	l mm	∅ mm	EAN-No. 4000896+
748 a- 2	115	2	029884
748 a- 3	125	3	029891
748 b- 2	150	2	029907
748 b- 3	150	3	029914
748 b- 4	150	4	029921
748 b- 5	150	5	029938
748 b- 6	150	6	029945
748 b- 8	150	8	029952
748 c- 6 +	180	6	029976
748 c- 8 +	200	8	029983
748 c-10 +	200	10	029969

748 LGB Drift pin

Made in Germany
- Long style



HAZET No.	l mm	∅ mm	EAN-No. 4000896+
748 Lg b-3	175	3	100040
748 Lg b-4	175	4	029990

751 Drift pin set

Made in Germany



HAZET No.		EAN-No. 4000896+
751 748 a-2 • 748 a-3 • 748 b-4 • 748 b-5 • 748 c-6 + • 748 c-8 +		
751/6	6	030088
751 748 b-2 • 748 b-3 • 748 b-4 • 748 b-5 • 748 b-6 • 748 b-8		
751/6-1	6	030095

Components and spare parts
from page 482 to 490

751 KHS Drift pin · short

Made in Germany
- **Short** design with hand guard
- 2-component handle with hand guard



HAZET No.	l_1 mm	l_2 mm	∅ mm	EAN-No. 4000896+
751 K HS-3	10	109	3	159987
751 K HS-4	10	109	4	159994

751 HS Drift pin set

Made in Germany
- Ergonomically shaped 2-component handle ensures:
  – Significantly reduced risk of injury
  – Damping effect (less stress to the hand from impacts)
  – Secure hold

Contents:
5 — 3 · 4 · 5 · 6 · 8 mm
- 2-component handle with hand guard
- DIN 6450 form C
- Hand guard length: 75 mm





HAZET No.	l_1 mm	l_2 mm		EAN-No. 4000896+
751 HS/5	75	150	5	148257

751 LHS Drift pin set · long

Made in Germany
- Ergonomically shaped 2-component handle ensures:
  – Significantly reduced risk of injury
  – Damping effect (less stress to the hand from impacts)
  – Secure hold

Contents:
5 — 3 · 4 · 5 · 6 · 8 mm
- 2-component handle with hand guard
- DIN 6450 form C
- Hand guard length: 85 mm









HAZET No.	l_1 mm	l_2 mm		EAN-No. 4000896+
751 L HS/5	90	175	5	205530

2534 Brass mandrel

Made in Germany

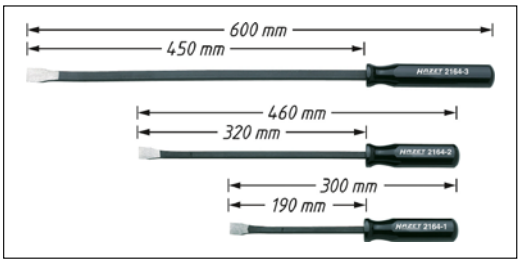


HAZET No.	l mm	∅ mm	EAN-No. 4000896+
2534	200	20	016365

2164 Pry bar set

- Flat and bevelled tips allow application in areas with restricted access
- Solid square blades guarantee high power transmission

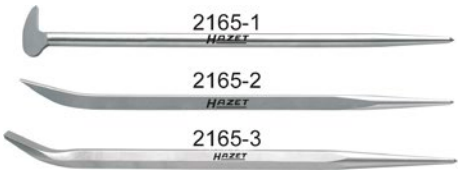




HAZET No.		EAN-No. 4000896+
2164/3	3	080281

2165 Pry bar

Made in Germany
- Surface: bright nickel-plated



HAZET No.	l mm	EAN-No. 4000896+
2165-1	400	013302
2165-2	400	013319
2165-3	400	013326

2166 Commercial vehicle double-handled pry bar

- Shock-resistant, ergonomic plastic handle allows two-hand operation
- Hexagon blade passes through the handle
- Solid impact head for high loads
- Hardened and tempered





HAZET No.	l mm	EAN-No. 4000896+
2166-4	1116	161072

3-arm HAZET puller

Easy application due to new quick pulling system

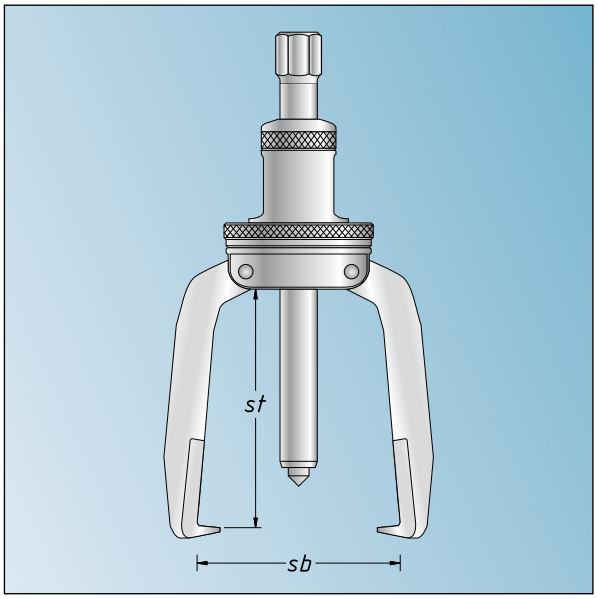




1. Precisely manufactured head permits a fast and accurate application
2. Maintenance-free encapsulated mechanics
3. High-quality steel and thermo-chemical treatment provide the highest spindle pressure load and hook tensile load
4. Flexible, interchangeable spindle tip provides various application possibilities

Made in Germany

A simple rotary motion opens the hook and automatically encloses the part to be pulled off, even for vertical application (no readjustment necessary)





Components and spare parts
from page 482 to 490

2-arm HAZET puller

With quick-clamping device

- For quickly and safely pulling ball bearings, pulleys, sprockets, etc.

① Very rugged, **drop-forged** hooks and crossbars

② Hand-operated **quick-clamping devices** enable fast and simple adjusting

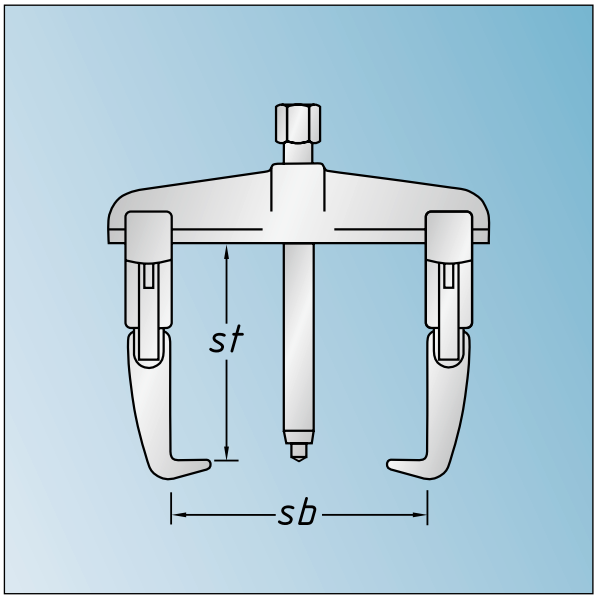
③ To be used as **internal and external puller** by inversing the hooks

④ Nitrided spindle – extra hard! **Maintenance-free** – no lubrication necessary

⑤ **Setting scale** for even adjusting of puller hooks



Made in Germany





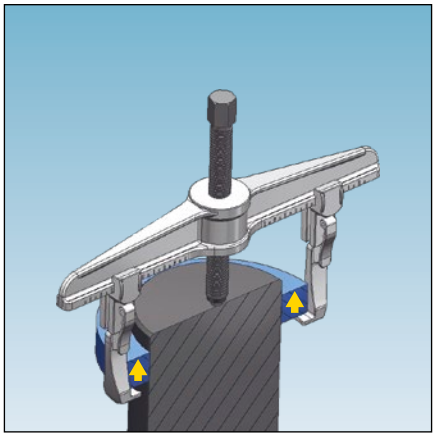
Components and spare parts from page 482 to 490

HAZET puller basics

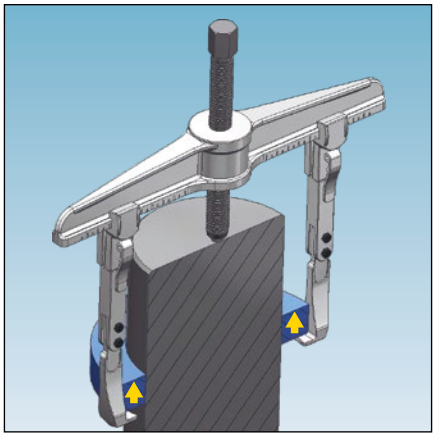
Always find the correct puller

HAZET external pullers

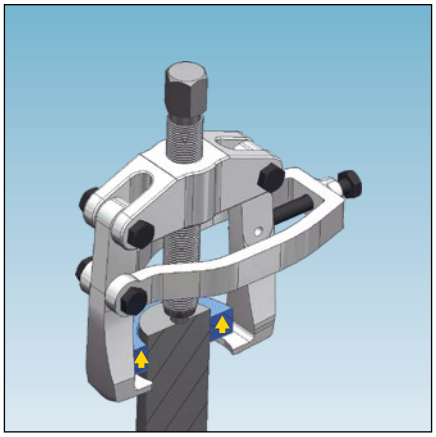
The most common pulling procedure is external pulling, i.e. the component to be pulled off (ball bearing, pulley, sprocket, etc.) is gripped from the outside and pulled off. The actual pulling off procedure then occurs by operating a spindle.



Standard design HAZET external pullers

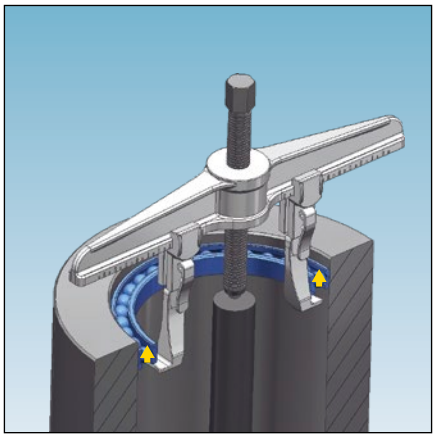


HAZET external pullers with long puller hooks



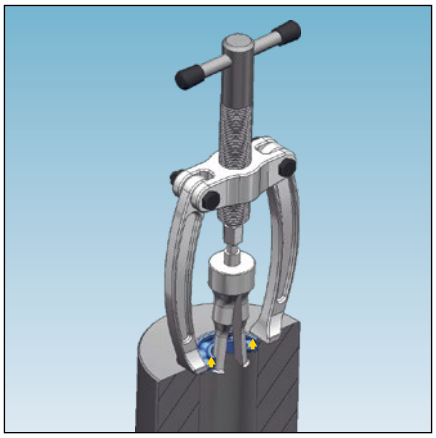
HAZET external puller with lateral tension clamp

HAZET external pullers can also be used as internal pullers

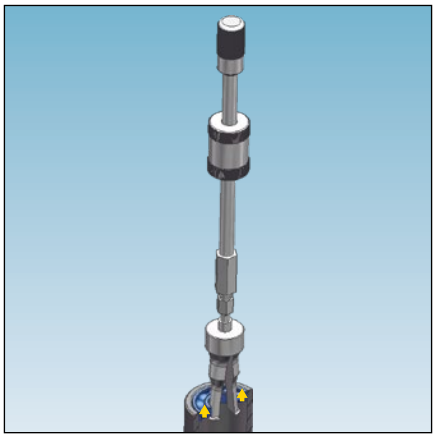


Pullers of the HAZET series nos. 1787 F 9–35 · 1787-52 · 1787 S-1 and 2 · 1783-22 can also be used as internal pullers by **simply turning the puller hook** on the crossbar. A shaft in the centre of the component is required for this, against which the spindle supports itself.

HAZET internal pullers



For this application, internal pullers and counter stays are normally used.



If there is insufficient space, the counter stay should be dispensed with and a sliding hammer should be used.

Puller application examples with specialty tools

- In industry, for motor vehicle and commercial vehicle components
- Pitman arm
- Ball joints, ball bearings, washers, wheels
- Sprockets, cogs

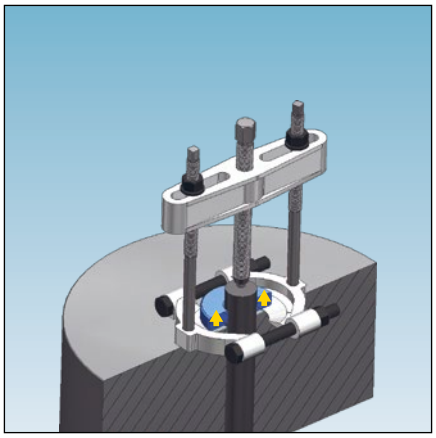
Components and spare parts
from page 482 to 490

HAZET puller basics

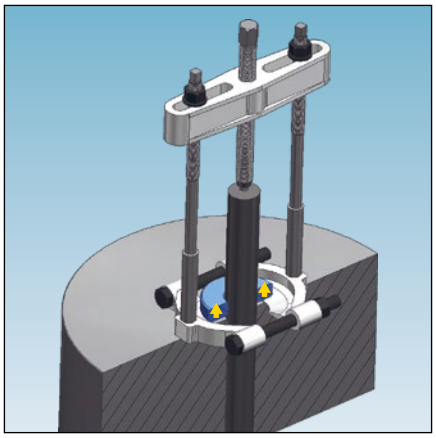
Always find the correct puller

HAZET separators and pullers

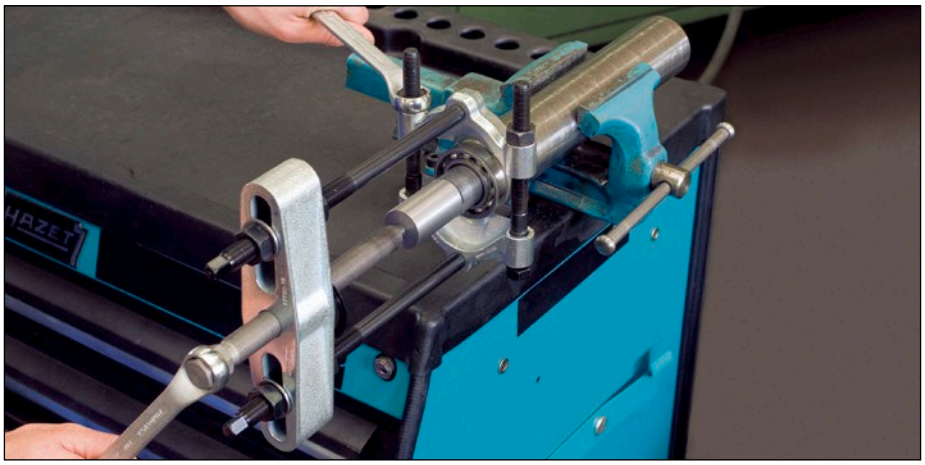
If it is not possible to use a standard external puller, e.g. with overlaying parts, it is possible to use the so-called separation puller



For this application, a separating device and a pulling device are normally used in combination.

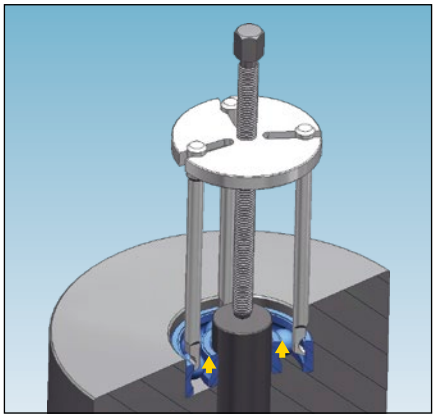


To pull longer shafts, it is also possible to extend the pulling device.



HAZET bearing extractor

If the bearings are located on a shaft and in a housing, HAZET bearing extractors are used.



With HAZET No.1778-3/40 the bearing cage is operated on

Industrial bearings



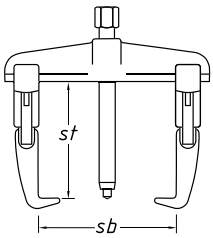
Components and spare parts from page 482 to 490

Puller, 2-arm

1787 F Quick-clamping puller · 2-arm

Made in Germany
- **Quick-clamping device**

- Nitrided spindle – extra hard maintenance-free – no lubrication necessary
- To be used as internal and external puller by inversing the hooks
- Quick-clamping allows fast and simple adjusting
- Very rugged, drop-forged pullers
- Setting scale for even adjusting of puller hooks

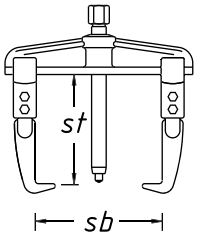




HAZET No.	Max. t.	sb mm	st mm	Spindle	EAN-No. 4000896+
1787 F- 9	3	90	100	M 14x1.5x140 mm	134151
1787 F-13	3	130	100	M 14x1.5x140 mm	134168
1787 F-16	5	160	150	G ½"x210 mm	134175
1787 F-20	5	200	150	G ½"x210 mm	134182
1787 F-25	7.5	250	200	G ¾"x280 mm	134199
1787 F-35	7.5	350	200	G ¾"x280 mm	136094

1787 Puller · 2-arm

Made in Germany
- To be used as internal and external puller by inversing the puller hooks
- Spindle G1x310
- Surface: galvanised





HAZET No.	Max. t.	sb mm	st mm	EAN-No. 4000896+
1787-52	10	520	208	136100

1787 F Quick-clamping puller set · 2-arm

Made in Germany
- **Quick-clamping device**
- **2-arm puller**
- In display stand



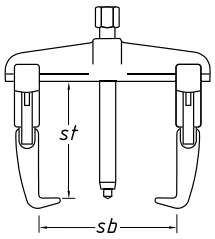
1787 F
1787 F-9 • 1787 F-13
1787 F-16 • 1787 F-20
1787 F-25



HAZET No.		EAN-No. 4000896+
1787 F/5	5	133017

1787 S Puller set · 2-arm

Made in Germany
- **Slim hooks**
- "3 in 1"
- 6 slender **forged hooks** in 3 pairs of different lengths
- For working in areas with restricted access



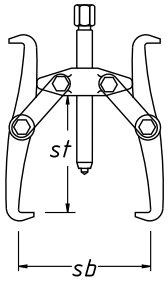


HAZET No.	sb mm	st mm	EAN-No. 4000896+
• Spindle M 14x1.5x140 mm • Maximum 3 tonnes • 2 hooks each 1786 S-100 -200 -250 mm long			
1787 S-1	130	100–200–250	133222

1783 Universal puller · 2-arm

Made in Germany
- **Puller hooks can be used from both sides; hooks with one narrow side for areas with restricted access**

- Application: Removing sprockets and ball bearings
- Automatic gripping of the puller hooks
- **2-arm design**
- Surface: galvanised



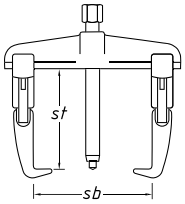


HAZET No.	Max. t.	sb mm	st mm	Spindle	EAN-No. 4000896+
1783-22	5	220	170	M 18x1.5x170 mm	136063

Components and spare parts from page 482 to 490

1792 Fan puller · 2-arm

Made in Germany
- **2-arm design**
- **Very slender hooks with 3 clamping depth adjustments**
- Rugged and drop-forged design

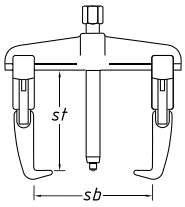


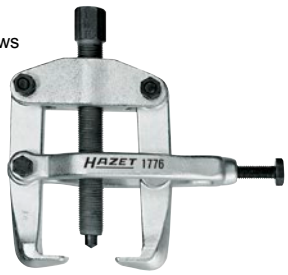


HAZET No.	Max. t.	sb mm	st mm	Spindle	EAN-No. 4000896+
1792-1	2	150	200	M 14x1.5x155 mm	147830

1776 Pitman arm puller · 2-arm

Made in Germany
- For ball bearings, toothed wheels, pinions, **pitman arms** and similar
- The clamp clip is used for pressing the puller jaws on the parts to be extracted
- Surface: galvanised



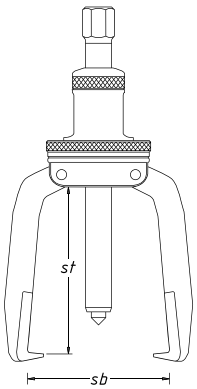


HAZET No.	sb mm	st mm	Spindle	EAN-No. 4000896+
1776- 85	90	85	M18x1.5x130 mm	135943
1776-100	90	100	M18x1.5x130 mm	135950
1776-140	150	140	G½"x175 mm	135967

Puller, 3-arm

1785 Puller · 3-arm

Made in Germany
- **Easy application due to quick pulling system**
- Precisely manufactured head allowing quick and accurate application
- High-quality steel and thermo-chemical treatment providing a high pressure capacity of the spindle and a high tensile capacity of the hooks
- Flexible, interchangeable spindle tip provides various application possibilities
- Hooks open by simple rotation and enclose automatically the part to be pulled out, even for vertical application (no readjustment necessary)
- Encapsulated mechanics, maintenance-free



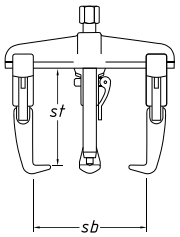


HAZET No.	Max. t.	sb mm	st mm	Spindle	EAN-No. 4000896+
1785-150	6.5	150	130	G ½"x250 mm	133154
1785-250	6.5	250	250	G ½"x350 mm	133161



1786 F Quick-clamping puller · 3-arm

Made in Germany
- **Quick-clamping device**
- Provides uniform load distribution, safe gripping and centred pulling
- Nitrided spindle – extra hard maintenance-free – no lubrication necessary

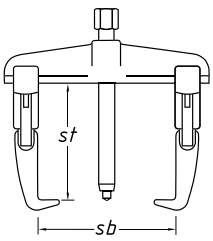




HAZET No.	Max. t.	sb mm	st mm	Spindle	EAN-No. 4000896+
1786 F-13	3	130	100	M 14x1.5x140 mm	133529
1786 F-16	5	160	150	G ½"x210 mm	133536
1786 F-20	5	200	150	G ½"x210 mm	133567
1786 F-25	7.5	250	200	G ¾"x280 mm	133574

1786 S Puller set · 3-arm

Made in Germany
- **Slim hooks**
- "3 in 1"
- 9 slender **forged hooks** in 3 pairs of different lengths
- For working in areas with restricted access
- 3-arm design, 3 hooks each
- Provides uniform load distribution,safe gripping and centred pulling action





HAZET No.	sb mm	st mm	EAN-No. 4000896+
• Spindle M 14x1.5x140 mm • Maximum 3 tonnes • 3 hooks each 1786 S-100 -200 -250 mm long • Optional use with 300 mm puller hook 1786 S-300			
1786 S-1	130	100–200–250	133246

1786 FS Quick-clamping puller set

Made in Germany

- **With 3 hooks**
- Ideal basic set with quick-clamping device
- To be used as internal and external puller by inversing the hooks
- Slender hooks especially suitable for gear box repair (as standard hooks cannot be used in areas with restricted access)
- Plastic box
- Soft foam insert



HAZET No.	sb mm	st mm	Spindle		EAN-No. 4000896+
• Quick-clamping puller set, contents: 1786-01 1786-21 · 31 1786 FS-100 (3x)					
1786 FS/6	90	100	M 14x1.5x140 mm	6	133871

1786 S Puller set · 3-arm

Made in Germany

- **With 9 hooks**
- Professional set for all current clamping widths and depths (100–250 mm)
- Plastic box
- Soft foam insert



HAZET No.	sb mm	st mm		EAN-No. 4000896+
• Puller set, contents: 1786-01 1786-2 · 3 1786 S-100 (3x) · · 1786 S-200 (3x) · · 1786 S-250 (3x)				
1786 S/12	120	100–200–250	12	133888

1789 Universal puller · 3-arm

Made in Germany

- **Puller hooks can be used from both sides; hooks with one narrow side for areas with restricted access**

- Application: Removing sprockets and ball bearings
- Automatic gripping of the puller hooks
- **3-arm design**
- Surface: galvanised



1789 Universal puller · 3-arm

HAZET No.	Max. t.	sb mm	st mm	Spindle	EAN-No. 4000896+
1789- 9	3	90	80	M 14x1.5x125 mm	147427
1789-16	5	160	130	M 18x1.5x170 mm	136070
1789-22	5	220	170	M 18x1.5x170 mm	136087
1789-32	12	320	260	G ½"x350 mm	147731
1789-40	12	400	320	G ½"x350 mm	147748

1785 Pole and battery terminal puller · 3-arm

Made in Germany

- **Manageable and rugged design, with drop-forged hooks**

- Application: Removal of small parts such as battery terminals, ball bearings, pulleys, sprockets, etc.
- Automatic gripping of hooks
- **3-arm design**



HAZET No.	Max. t.	sb mm	st mm	Spindle	EAN-No. 4000896+
1785-60	0.8	60	60	M 10x1.5x80 mm	133338

Puller components

1787 F Puller hook · with quick-clamping device

Made in Germany

- Per piece
- For pullers 1786 F and 1787 F



HAZET No.	st mm	EAN-No. 4000896+
• For 1786 F-9 · 13 • 1787 F-9 · 13		
1787 F-0913	100	136117
• For 1786 F-16 · 20 • 1787 F-16 · 20		
1787 F-1620	150	136124
• For 1786 F-25 · 35 • 1787 F-25 · 35 • 1787-52		
1787 F-2552	200	136131

1787 Puller hook · without quick-clamping device

Made in Germany

- Per piece
- For pullers
  1786 F-25 · 35
  1787 F-25 · 35
  1787-52



HAZET No.	st mm		EAN-No. 4000896+
Puller hook (200 mm)			
1787-2552	200	–	136148
Puller hook without quick-clamping device			
1787 Lg-0913	200	–	136155
1787 Lg-1620	300	–	136162
1787 Lg-2552	305	–	136179
1787 Lg-2552/4	406	4	136186
1787 Lg-2552/5	504	5	136193

Components and spare parts
from page 482 to 490

1786 S Puller hooks · slim

Made in Germany

- Per piece
- For pullers 1786 S-1 and S-2 as well as 1787 S-1 and S-2



HAZET No.	st mm	EAN-No. 4000896+
Puller hook (100 mm) For HAZET 1786 S-1 · 1787 S-1 · 1786S/12		
1786 S-100	100	134762
Puller hook (150 mm) For HAZET 1786 S-1 · 1787 S-1 · 1786S/12		
1786 S-150	150	134816
Puller hook (200 mm) For HAZET 1786 S-1 · 1787 S-1 · 1786S/12		
1786 S-200	200	134779
Puller hook (220 mm) For HAZET 1786 S-1 · 1787 S-1 · 1786S/12		
1786 S-220	220	134823
Puller hook (300 mm) For HAZET 1786 S-1 · 1787 S-1 · 1786S/12		
1786 S-300	300	134830

Separator

1775 N Separator

Made in Germany

- The separator is closed by operating the nuts on the stud bolts
- Surface: galvanised/burnished



HAZET No.	∅ mm	M	EAN-No. 4000896+
1775 N- 60	5–60	M10	135936
1775 N- 75	12–75	M10	134540
1775 N-115	22–115	M14x1.5	134656

1775 N Puller

Made in Germany

- Application: Extracting ball bearings, roller bearings and inner rings
- Together with separator HAZET 1775 N-60 · 75 · 115, the tension bolts are screwed into the threaded holes of the separation jaws
- Surface: galvanised/burnished



HAZET No.	sb mm	Spindle	Tension bolt	EAN-No. 4000896+
1775 N-12	40–120	M 14x120 mm	M 10	134922
1775 N-16	60–165	M 15x170 mm	M 10	134588
1775 N-21	70–215	G ½"x210 mm	M 14x1.5	134618

1775 N Extension

Made in Germany

- **Per pair**
- Surface: burnished, oiled
- For 1775 N-12 and -16



HAZET No.	l mm	M	EAN-No. 4000896+
1775 N-012	100	M10	134366

1775 N Separator and puller set

Made in Germany

- **For very confined spaces and tightly adjusted bearings**

- Separators and pullers with extension
- The tension bolts are screwed into the threaded holes of the separation jaws together with the separators
- The separator is closed by evenly operating the nuts on the stud bolts
- Sheet metal box (HAZET-blue)



HAZET No.	sb mm		EAN-No. 4000896+
1775 N 1775 N-16 • 1775 N-75 • 1775 N-012			
1775 N/4	60–165	4	133208
1775 N 1775 N-21 • 1775 N-115			
1775 N-1/4	70–215	4	133215

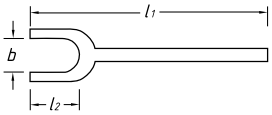
1780 Removal and assembly fork

Made in Germany

- **Proven and economical system**

- Application: Wedge-shaped fork end allows fast operation of push rod and steering tie rod ends, pitman arms and other parts of the steering
- Easy to handle
- Shock absorber removal and other separation work
- Application possible in confined spaces
- Sturdy forged design





HAZET No.	l1 mm	l2 mm	b mm	EAN-No. 4000896+
1780-18	340	80	18	133345
1780-23	340	80	23	133352
1780-29	350	80	29	133376

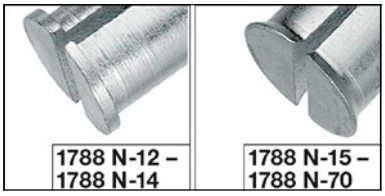
Components and spare parts from page 482 to 490

Internal extractor

1788 N Internal extractor

Made in Germany

- Application: Extracting **ball bearings, outer rings and bushings**
- To be used with counter stays 1788 N-835 and -4570
- + = Reinforced bond – easy and safe extraction of needle bearings, ball bearings and brass sleeves





HAZET No.	∅ mm	M	EAN-No. 4000896+
1788 N-12 +	12–14	M 10	147694
1788 N-14 +	14–19	M 10	147700
1788 N-15	12–15	M 10	134861
1788 N-19	15–19	M 10	134878
1788 N-25	19–25	M 10	134885
1788 N-30	25–30	M 10	134892
1788 N-35	30–35	M 10	134915
1788 N-45	35–45	M 14x1.5	134502
1788 N-55	45–55	M 14x1.5	136209
1788 N-70	55–70	M 14x1.5	136216

1788 N Counter stay

Made in Germany

- For internal extractors HAZET 1788 N-12 up to -70
- Surface: chrome-plated



HAZET No.	Spindle	EAN-No. 4000896+
• For internal extractors 1788 N-12 up to 35		
1788 N-835	M 10 mm	134854
• For internal extractors 1788 N-45 up to 55		
1788 N-4570	M 14x1.5 mm	134908

1788 N Internal extractor set

Made in Germany

- **Extracting ball bearings, ball-bearing outer rings and bushings**

- Internal extractor and counter stay
- Sheet metal box (HAZET-blue)



►

1788 N Internal extractor set

◄

HAZET No.		EAN-No. 4000896+
1788 N 1788 N-835 • 1788 N-4570 • 1788 N-15 • 1788 N-19 1788 N-25 • 1788 N-30 • 1788 N-35 • 1788 N-45		
1788 N/8	8	133185
1788 N 1788 N-835 • 1788 N-4570 • 1788 N-15 • 1788 N-19 • 1788 N-25 1788 N-30 • 1788 N-35 • 1788 N-45 • 1788 N-55 • 1788 N-70		
1788 N/10	10	147939

1788 T Internal extractor set

Made in Germany

- **Titanium-nitrided surface** extra hard and wear-resistant
- For tightly-packed ball bearings, rings, bushings and shaft seals Simmer®
- Flexible material
- Absolutely precise manufacturing accuracy providing a higher power transfer
- High ease of use
- **Only** 4 Internal Extractors allow to cover the range from 5 to 36 mm
- To be used sliding hammer or counter stay
- Well-composed set
- Hard and wear-resistant titanium nitrided surfaces providing a better and heat-resistant surface protection
- **Application:**
- Insert internal extractor into bearing and screw in spindle
- The sharp shells press behind the part to be removed
- Place sliding hammer or counter stay in position
- Plastic box



HAZET No.	M	l mm		EAN-No. 4000896+
• Internal extractor set, contents: 1788 T-1 · 1788 T-8.5 1788 T-15 · 24 · 36				
1788 T/5	–	–	5	133666
• **Impact extractor** (sliding hammer – sliding weight 200 g) with coupler thread M 10 • Removal of caps with inside thread, ball bearings, washers etc. • To be used with stud bolt set 1788 T-1/6 and internal extractors 1788 N-15 to 35 • Also together with injector extractor 4797-5				
1788 T-1	M 10	226	–	134304

1788 T Stud bolt set

Made in Germany

- Application: Removing different caps with inside thread
- **6-piece set,** stud bolts with M 10 coupler thread, contents:
  1 piece each threaded insert M 4, M 5, M 6, M 8, M 10, M 12
  Use with sliding hammer 1788 T-1



HAZET No.		EAN-No. 4000896+
1788 T-1/6	6	141647

Components and spare parts
from page 482 to 490

1788 T Impact extractor

Made in Germany

- Application: For disassembly of tight common rail injectors **without** removing the cylinder head



HAZET No.	M	l mm	EAN-No. 4000896+
• **Impact extractor** (sliding hammer – sliding weight 200 g) with coupler thread M 10 • Removal of caps with inside thread, ball bearings, washers etc. • To be used with stud bolt set 1788 T-1/6 and internal extractors 1788 N-15 to 35 • Also together with injector extractor 4797-5			
1788 T-1	M10	226	134304
Easy removal of injectors together with impact extractor e.g. **HAZET 1788 T-1** • **Injector claw** with inside thread M10 x 1.5 mm • **MAN** Engines D08 · D20 · D26 · D28 • Suited to the very limited space in the cylinder head • Due to the tool's claw, the injector in the upper part may be gripped without causing damage			
4797-5	–	174	176137

1774 Beam puller

Made in Germany

- **Drop forged, tempered hooks**

- Application: Tensioning, pulling, pressing of timbers
- **Beam puller**
- Galvanized hooks, chrome-plated ratchet
- Ergonomic design – with reversible ratchet
- Smooth running acme thread TR 16 x 5
- Span: 115 mm
  Total width: 440 mm
  Length of ratchet: 275 mm







HAZET No.	EAN-No. 4000896+
1774-1	180578

1778 Ball bearing extractor set

Made in Germany

- **Considerably easier application than existing systems on the market providing more efficiency and productivity**

- Application: Removal of ball bearings mounted on shafts and located in housings
- For more than 40 standard ball bearings up to size 6311
- User-friendly device prevents the puller hooks from falling off
- 100% power transmission due to self-gripping closure
- **40-piece set**
  For ball bearing 6000 to 6407





Bearing	Hook	Receptacle
6000	1778-10	1778-3
6001	1778-10	1778-2
6002	1778-10	1778-1
6003	1778-10	1778-2
6004	1778-30	1778-1
6005	1778-30	1778-1
6006	1778-30	1778-1
6007	1778-40	1778-1
6008	1778-40	1778-1
6009	1778-40	1778-1
6010	1778-40	1778-1
6200	1778-10	1778-2
6201	1778-20	1778-3
6202	1778-20	1778-2
6203	1778-30	1778-2
6204	1778-40	1778-2
6205	1778-40	1778-1
6300	1778-30	1778-1
6301	1778-40	1778-1
6302	1778-40	1778-3
6303	1778-40	1778-3
6304	1778-40	1778-3

Bearing	Hook	Receptacle
6011	1778-50	1778-4
6012	1778-50	1778-4
6206	1778-50	1778-4
6207	1778-50	1778-4
6208	1778-60	1778-4
6209	1778-60	1778-4
6210	1778-60	1778-4
6211	1778-60	1778-4
6212	1778-70	1778-4
6213	1778-70	1778-6
6305	1778-60	1778-6
6306	1778-60	1778-5
6307	1778-60	1778-5
6308	1778-70	1778-5
6309	1778-70	1778-5
6310	1778-70	1778-5 + 1778-8
6311	1778-70	1778-5 + 1778-9
6403	1778-60	1778-4
6404	1778-70	1778-4
6405	1778-70	1778-6
6406	1778-70	1778-6
6407	1778-60	1778-6 + 1778-7

Note: this table serves as an orientation aid when selecting the extractor parts and does not claim to be correct and/or complete

HAZET No.		EAN-No. 4000896+
1778-3/40	40	133697

Ball joint puller tools can be found under
Specialty Tools → Chassis → Wheel Bearing / Wheel Hub from page 434

Grinding, Separation and Cutting

2128 Twist drill bits in case

- **25 pieces** ∅ 1–13 mm, increasing by 0.5 mm
- HSS
- 118° point angle
- Taper surface grinding
- DIN 338



HAZET No.	EAN-No. 4000896+
2128 N-1	218844

1967 Welding spot drill

Made in Germany

- **Self-cutting centring tip resharpenable**
- High performance, high-speed steel, blued

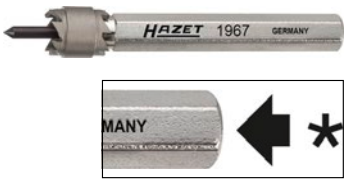


HAZET No.	l mm	∅ mm	EAN-No. 4000896+
1967-70	74	7	009343
1967-80	79	8	009350
1967-90	79	9	009367

1967 Welding spot drill

Made in Germany

- Fits power drills of all types
- 7 mm hexagon shank prevents slippage in drill chuck
- Replaceable cutting crown (right-hand thread) made of high-speed steel (oiled)
- Cutting crown for use at both ends
- With screw for gauge depth adjustment (*)



HAZET No.	l mm	∅ mm	EAN-No. 4000896+
1967	70	11	009312
Spare cutting crowns, **set** of 5, for 1967			
1967-01/5	–	–	211319
• **Tip** for HAZET welding spot drill 1967			
1967-02	–	–	009336

2150 Marking tool

- Surface: burnished, oiled



HAZET No.	l mm	EAN-No. 4000896+
2150	240	013012

2150 Marking tool

- Special steel for long-lasting use
- With fastening clip

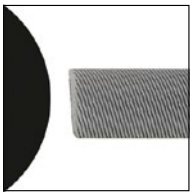


HAZET No.	l mm	EAN-No. 4000896+
2150-1	150	144129

2119 Half-round file

Made in Germany

- Teeth (cut): 2 = medium
- Plastic handle
- DIN 7261 form E



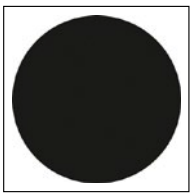


HAZET No.	l mm	EAN-No. 4000896+
2119- 8	200	012398
2119-10	250	012381

2120 Round file

Made in Germany

- Teeth (cut): 2 = medium
- DIN 7261 form F



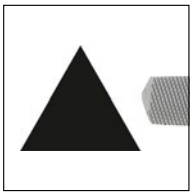


HAZET No.	l mm	EAN-No. 4000896+
2120- 8	200	012411
2120-10	250	012404

2123 Three square file

Made in Germany

- Teeth (cut): 2 = medium
- DIN 7261 form C





HAZET No.	l mm	EAN-No. 4000896+
2123- 8	200	012473
2123-10	250	012466

Components and spare parts from page 482 to 490

2122 Flat hand file

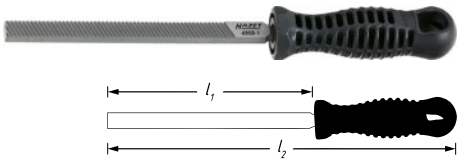
Made in Germany
- Teeth (cut): 2 = medium
- DIN 7261 form A



HAZET No.	l mm	EAN-No. 4000896+
2122- 8	200	012435
2122-10	250	012428

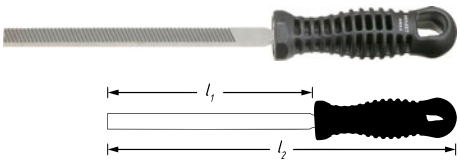
4968 Brake calliper file

Made in Germany
- **One-sided cut prevents damage to the dust boot at the brake piston**
- **12 mm wide**
- Cut of the file: coarse bevel cut on one side
- Blunt scraper on the face side for removing rough residues
- Plastic handle



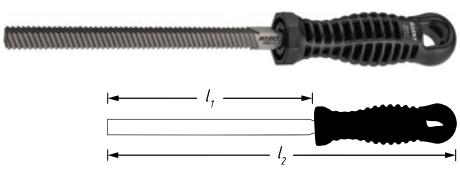
HAZET No.	l_1 mm	l_2 mm	EAN-No. 4000896+
4968-1	150	260	084739

Made in Germany
- **Extra slim style (width 10 mm), especially appropriate for Japanese vehicles**
- **Blunt scraper** on the face side for removing rough residues



HAZET No.	l_1 mm	l_2 mm	EAN-No. 4000896+
4968-5	155	265	129379

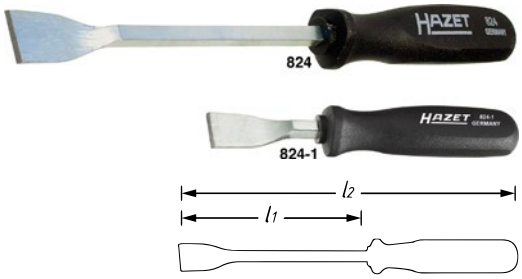
Made in Germany
- **Extra slim design**
- **Square brake calliper file**
- Very good service life
- 10 x 10 mm
- Plastic handle with hanging hole



HAZET No.	l_1 mm	l_2 mm	EAN-No. 4000896+
4968-6	155	265	218431

824 Blunt scraper

Made in Germany
- 824 long blade
- 824-1 short blade
- Surface: galvanised



HAZET No.	l_1 mm	l_2 mm	mm	b mm	EAN-No. 4000896+
824	150	270	0.5	23	033881
824-1	55	165	0.5	23	033898

825 Blunt scraper

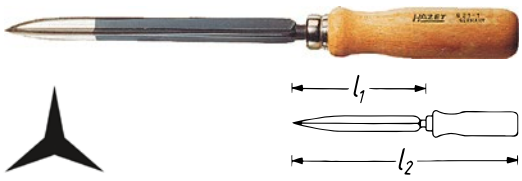
- Replaceable hard-metal tip



HAZET No.	l_1 mm	l_2 mm	mm	b mm	EAN-No. 4000896+
825-25	267	397	0.5	25	033959
• **Hard-metal tip** for 825-25					
825-025	–	–	–	25	033928

821 Hollow three-square scraper

Made in Germany
- Tips ground



HAZET No.	l_1 mm	l_2 mm	EAN-No. 4000896+
821-1	150	260	033683
821-2	200	315	033690

823 Fine three-square scraper

Made in Germany
- **Protective coating made of viscoplastic and impact-resistant plastic material**
- With protection cap



HAZET No.	l_1 mm	l_2 mm	EAN-No. 4000896+
823	25	148	033874

Components and spare parts from page 482 to 490

822 Angle scraper

Made in Germany

- **Replaceable HSS bimetal turning blades**

- Scraping sealing residues, e.g. at the cylinder head
- Scraping cable channels in Ytong blocks
- Environmentally friendly work:
  – no formation of dust
  – no generation of noise
  – no production of chlorine or dioxin gas (as it occurs e.g. when burning residues)
- Surface: chrome-plated



HAZET No.	l mm	b mm	EAN-No. 4000896+
• Handle only with blade 822-01 (flat)			
822	270	20	033713
• **Spare blade set** for 822 5 pieces per set			
822-01/5	–	–	033720

1980 N Hack saw

- With blade tensioning end screw
- With 1 saw blade
- For 300 mm saw blades
- DIN 6494 form A



HAZET No.	l mm	EAN-No. 4000896+
1980 N	390	009824
Saw blade • 24 teeth/inch • 300 mm long • One-sided • Fully hardenend and elastic		
1980 B-2	300	009817

1981 Small hack saw

Made in Germany

- For saw blades 150 mm
- With 1 saw blade made of chrome-alloyed tool steel
- Number of teeth/inch: 32 (1 inch = 25.4 mm)
- Handle made of glass fiber reinforced plastic
- Special purpose steel St 2 K 40



HAZET No.	l mm	EAN-No. 4000896+
1981	252	009831
• **Saw blade** for 1981, made of chrome-alloyed tool steel • Number of teeth/inch: 32 (1 inch = 25.4 mm)		
1981-01	150	009848

2158 Universal shears

- **Ergonomic design allows one-hand operation of the locking device**

- Blades: rust-resistant stainless steel
- Locking device
- Additionally with round cutter for wire stripping (1 or 1.5 mm²)
- Wire guide for cutting lashing wire up to 2.5 mm ∅
- HAZET 2-component handle



HAZET No.	l mm	EAN-No. 4000896+
2158	194	057856

2157 Universal knife

- Multipurpose Knife
- **Spare blades deposit**
- One snap-off, straight and hook blade each
- **Housing made of fibre-glass reinforced plastic**
- One-hand operation for blade insertion and locking
- Blade is securely locked





HAZET No.	l mm	EAN-No. 4000896+
2157	167	013203
• **Snap-off blades,** e.g. for trimming knife 2157 · 7 break-away parts 100 x 18 mm set of 10 pieces		
2157-04	–	013210
• **Trapezoid blades with 2 holes** · e.g. for universal knife 2157 set of 10 pieces		
2157-05	–	013227
• **Hook blades** · e.g. for universal knife 2157 · set of 10 pieces		
2157-06	–	013234

2157 Jack-knife

- Quick blade changing
- With 5 blades
- Comfortable handle made of impact resistant ABS
- Blade magazine with safety lock
- Thumb cushion enables joint-protecting working
- Length in hinged position: 100 mm

360°





HAZET No.	l mm	EAN-No. 4000896+
2157-1	159.9	147236
• **Trapezoid blades with 3 holes** · e.g. for 2157-1 set with 10 pieces		
2157-07	–	150977

Components and spare parts from page 482 to 490

2157 Mini utility knife

- Quick blade changing
- Blade fastener
- Convenient handle made of ABS
- Release lever for comfortable blade closing
- Blade magazine with safety lock
- With 5 spare blades
- Length in hinged position: 57 mm





HAZET No.	l mm	EAN-No. 4000896+
2157-2	100	164318
• **Spare trapezoid blades** for HAZET mini utility knife 2157-2 Set of 10 pieces		
2157-08	–	166022

2157 Jack-knife

- **Blade lock in the opened position –the knife is prevented from snapping shut unexpectedly**

- Aluminium grip with moulded handle
- High-quality stainless steel blade
- Lightweight and easy to handle
- Practical belt clip
- Length in hinged position 115 mm





HAZET No.	l_1 mm	l_2 mm	EAN-No. 4000896+
2157-3	86	201	231089

2180 Tube cutter

- **4 guide rollers for optimum hold on the pipe whilst cutting**

- Integrated NOGA deburring blade, can be pulled out completely
- Quick change system allows the cutting wheel to be changed quickly without tools
- Incl. 2 cutting wheels (2180N-021): one installed in head and one in rotary knob cap
- Steel supported spindle for better sliding
- Body made of magnesium die-cast
- Slide and turn knob made of zinc die-cast







HAZET No.	l mm	∅ mm	EAN-No. 4000896+
2180 N-2	145	6–35	198986
• **Spare cutter wheel** for 2180 N-2 and 2181 N-1			
2180 N-021	–	–	198993

4682 Chain tube cutter

- **Easy adjustment due to T-screw during cutting process**

- Application: **Cutting of pipes ,e.g.** made of steel (not stainless steel) up to 2.5 mm wall thickness and 75 mm ∅
- Extended cutting diameters are achieved by using extension chain HAZET 4682-01
- Little effort, fixed with **Grip technique**
- Surface: nickel-plated



HAZET No.	l mm	∅ mm	EAN-No. 4000896+
4682	255	15–75	022168
• **Spare chain** for 4682			
4682-01	–	–	022175
• **Replacement set** · 9 pieces for repairing the cutting chain 4682-01 For 4682			
4682-01/9	–	–	057214

- **Easy adjustment due to T-screw during cutting process**

- Application: **Cutting pipes** made of galvanized steel, copper, PVC and aluminium up to a wall thickness of 6 mm and 115 mm ∅
- 15 cutting wheels made of alloyed steel
- Surface: nickel-plated



HAZET No.	l mm	∅ mm	EAN-No. 4000896+
4682-1	315	20–115	149384
• **Spare chain** for 4682-1			
4682-03	–	–	149421

2181 Small tube cutter

- **Cutting aluminium, copper and thin-walled metal tubes**

- "Instant Change System (ICS)" allows the cutting wheel to be changed quickly without tools
- Steel supported spindle for better sliding
- Significantly reduced work radius
- Incl. 1 cutting wheel (2180 N-021)
- Ergonomic rotary knob for optimum handling
- Body, carriage and rotary knob made from die-cast zinc
- Surface: lacquered



HAZET No.	l mm	∅ mm	EAN-No. 4000896+
2181 N-1	52	3–16	198979
• **Spare cutter wheel** for 2180 N-2 and 2181 N-1			
2180 N-021	–	–	198993

Components and spare parts from page 482 to 490

2130 Wire brush

Made in Germany
• Wear-resistant wire bristles

• 4 rows
• Trim size: 25 mm
• Wooden body
• Suspension hole



HAZET No.	l mm	EAN-No. 4000896+
2130	290	012510

• 4 rows
• V2A bristles
• Wooden body
• Suspension hole



HAZET No.	l mm	EAN-No. 4000896+
2130-1	280	012527

2131 Spark plug brush

Made in Germany
• Special corrugated brass wire bristles

• Application: Cleaning electrodes and contacts on spark plugs
• 3 rows
• Trim size: 15 mm
• Wooden body



HAZET No.	l mm	EAN-No. 4000896+
2131	150	012541

4968 Brake calliper brush

Made in Germany
• Slim design

• Application: Removing stubborn brake dust and dirt from the disc brake calliper
• Plastic handle with suspension hole



HAZET No.	l mm	EAN-No. 4000896+
4968-2	225	084821

4968 Brass brake calliper brush

Made in Germany
• Soft brass bristles facilitate damage-free cleaning

• Application: Cleaning **aluminium brake callipers**
• Slim design – allows working in areas with restricted access
• Plastic handle with suspension hole

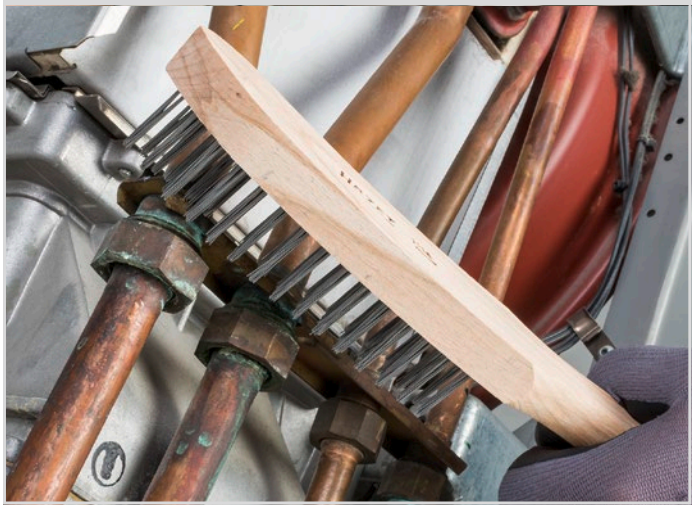


HAZET No.	l mm	EAN-No. 4000896+
4968-3	225	089147









Components and spare parts from page 482 to 490

Thread Repair

840 Screw extractor

Made in Germany

- Ground



HAZET No.	∅ mm	M	∅ mm	EAN-No. 4000896+
840-1	1.4–3.6	3–6	1.8	035687
840-2	2.1–4.9	6–8	2.6	035694
840-3	3.1–6.5	8–11	3.7	035700
840-4	4.8–8.8	11–14	5.5	035717
840-5	6.2–11	14–18	7	035724

840 Screw extractor set

Made in Germany

- Plastic box

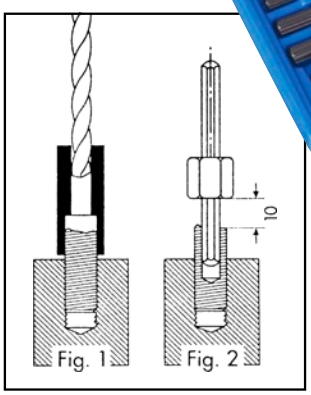


HAZET No.		EAN-No. 4000896+
• Screw extractor set, contents: 840-1 · 2 · 3 · 4 · 5		
840/5	5	035762
• Screw extractor set, contents: 840-1 · 2 · 3 · 4 · 5 · 6 · 7 · 8		
840/8	8	035786

841 Stud extractor set

- Plastic box
- Surface: burnished, oiled





841 Stud extractor set

HAZET No.		EAN-No. 4000896+
25 pieces, in plastic box		
841/25	25	060993
• **Union nuts** For 841/25		
841-01	–	074433
841-02	–	074440
841-03	–	074457
841-04	–	074464
841-05	–	074471
• **Tapping sleeves** For 841/25		
841-06	–	074488
841-07	–	074495
841-08	–	074501
841-09	–	074518
841-010	–	074525
841-011	–	074532
841-012	–	074549
841-013	–	074556
841-014	–	074563
841-015	–	074570
• **Stud extractor** For 841/25		
841-016	–	074587
841-017	–	074594
841-018	–	074600
841-019	–	074617
841-020	–	074624

Tapping sleeve	Drill ∅ mm	Stud extractor	Suitable for	
841-06	4	841-016	M 5	3/16″
841-07	4	841-016	M 6	9/32″ 1/4″
841-08	4	841-016	M 7	9/32″
841-09	4	841-016	M 8	5/16″
841-010	5	841-017	M 8	5/16″
841-011	5	841-017	M 9	11/32″
841-012	5	841-017	M10	3/8″
841-013	6	841-018	M11	7/16″
841-014	7.5	841-019	M12	15/32″
841-015	8.5	841-020	M14	9/16″

844 Stud bolt extractor

Made in Germany

12.5 1/2″

- For installing and removing stud bolts and set screws with right-hand or left-hand thread without damage
- ☐ Drive 12.5 = 1/2″ or *s* 21 mm outside hexagon
- Surface: chrome-plated, polished



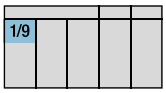
HAZET No.	*l* mm	∅ mm	∅ mm	EAN-No. 4000896+
844- 6	65	23	6	035823
844- 7	65	23	7	035830
844- 8	65	23	8	035847
844-10	75	27	10	035809
844-12	75	27	12	035816

Components and spare parts from page 482 to 490

844 Stud extractor set

Made in Germany

- Plastic box 165-S (1/9)
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent
- Surface: chrome-plated, polished





844 • ½
844-6 • 844-7 • 844-8
844-10 • 844-12



HAZET No.	L x W x H mm		EAN-No. 4000896+
844/5	185 x 153 x 52	5	035878

842 AG Universal thread repair tool

- **For thread diameters 4–13 mm (5/32″–½″)**

- Application: Repairs right-hand and left-hand threads (observe direction of rotation)
  All forms of metric and non-metric threads (60° flank measurement)
- Quick fixation due to adjusting screw
- Blade automatically adapts to any thread pitch within range



HAZET No.	M	EAN-No. 4000896+
842 AG-1	4–13 mm / 5/32″–½″	140718

- **For thread diameters 16–38 mm (⅝″–1.½″)**

- Application: Trimming right-hand and left-hand threads (observe direction of rotation)
  all forms of metric and non-metric threads (60° flank measurement)
- Quick fixation due to adjusting screw
- Blade automatically adapts to any thread pitch within range



HAZET No.	M	EAN-No. 4000896+
842 AG-3	16–38 mm / ⅝″–1.½″	149230

842 AIG Universal thread repair tool set

- **For outside thread 4–13 mm (5/12″ – ½″) and inside thread 5–12 mm (13/64″ – ½″)**

- Application: Repairing right-hand and left-hand threads (all forms of metric and non-metric threads)
- Simple and quick fixation due to knurled screw
- Also for aluminium threads
- 1 tool for outside threads
- 2 tools for inside threads
- Protective covers for aluminium threads

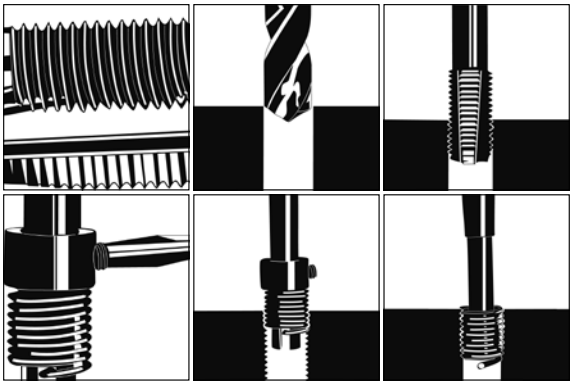


HAZET No.		EAN-No. 4000896+
842 AIG-1/4	4	153428

842 N Thread repair set

- Thread reinforcement of materials presenting a low shearing resistance. Application in machine construction, automotive engineering, electrical and medical engineering, for example
- Chrome-nickel stainless steel provides good inside threads resisting the influences of weathering and corrosion
- Plastic box





HAZET No.		EAN-No. 4000896+
• **118-piece set**, M 6 to M 14 • M 14 especially for spark plug thread • Contents: 25 threaded inserts each M6 x 1.00 mm x 9.0 mm M8 x 1.25 mm x 12.0 mm M10 x 1.50 mm x 15.0 mm • 10 threaded inserts M 12 x 1.75 mm x 18.0 mm • 5 threaded inserts each M14 x 1.25 mm x 8.4 mm M14 x 1.25 mm x 12.4 mm M14 x 1.25 mm x 16.4 mm • 4 twist drills, 5 thread cutters, 5 assembly tools, 4 pin breaking tools		
842 N-614/118	118	167272

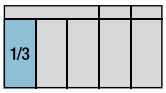
Components and spare parts
from page 482 to 490

849 Tap and die set

• High performance thread cutter made of HSS steel

• Application: Problem-free **rethreading** even in areas with restricted access
• Operation with reversible ratchet
• Plastic box 165-L (1/3)
• Safety-Insert-System, 2-component soft foam insert.
Insert also suitable for HAZET Assistent
• Tap and die set, contents:
849 IG-M 3 · M 4 · M 5 · M 6 · M 8 · M 10 · M 12
849 AG-M 3 · M 4 · M 5 · M 6 · M 8 · M 10 · M 12
849 IG-6.3 · 8
849 AG-6.3 · 10
2100-025 · 2250-1 · 3





HAZET No.	L x W x H mm		EAN-No. 4000896+
849	355x235x65	21	035984

849 IG COMPONENTS

Made in Germany

• Surface: nickel-plated
• DIN ISO 2936

HAZET No.	l mm	l_1 mm	l_2 mm	M	EAN-No. 4000896+
• **Tap** for inside thread					
849 IG-M 3	–	–	–	M3x0.5	036127
849 IG-M 4	–	–	–	M4x0.7	036134
849 IG-M 5	–	–	–	M5x0.8	036141
849 IG-M 6	–	–	–	M6x1.0	036158
849 IG-M 8	–	–	–	M8x1.25	036165
849 IG-M 10	–	–	–	M10x1.5	036103
849 IG-M 12	–	–	–	M12x1.75	036110
• **Dies** for male threads					
849 AG-M 3	–	–	–	M3x0.5	036035
849 AG-M 4	–	–	–	M4x0.7	036042
849 AG-M 5	–	–	–	M5x0.8	036059
849 AG-M 6	–	–	–	M6x1.0	036066
849 AG-M 8	–	–	–	M8x1.25	036073
849 AG-M 10	–	–	–	M10x1.5	036011
849 AG-M 12	–	–	–	M12x1.75	036028
• **Collet chuck** • ⬢ 6.3 = ¼″, for tap 849 IG-M 3 to M 6 (together with adapter 2250-1)					
849 IG-6.3	–	–	–	–	036080
• **Collet chuck** • ⬢ 8 = 5/16″, for tap 849 IG-M 8 to M 12 (together with adapter 2250-3)					
849 IG-8	–	–	–	–	036097
• **Tool holder** • □ Drive 6.3 = ¼″, for dies 849 AG-M 3 to M 6					
849 AG-6.3	–	–	–	–	036004
• **Tool holder** • □ Drive 10 = 3/8″, for dies 849 AG-M 8 to M 12					
849 AG-10	–	–	–	–	035991
• Offset screwdriver					
2100-025	–	58.5	20.5	–	011285
• □ 6.3 = ¼″ → ○ 6.3 = ¼″					
2250-1	23.5	–	–	–	015443
• □ 10 = 3/8″ → ○ 8 = 5/16″					
2250-3	31	–	–	–	015474

2126 Thread restorer

• Application: Restoring damaged outside or inside threads
• Surface: nickel-plated
• Pitches from 0.8 to 3.0 mm



HAZET No.	l mm	EAN-No. 4000896+
2126	230	012497

847 Nut splitter · mechanical

Made in Germany





HAZET No.	⌀ mm	EAN-No. 4000896+
• Splitting tight nuts of the **quality ranges 5 and 6**		
847-0410 A	7–16	139903
847-1027 A	13–24	139910
• **Spare chisel** for mechanical · HAZET nut splitters 847-0410 A and 1027 A		
847-10 A	–	144150

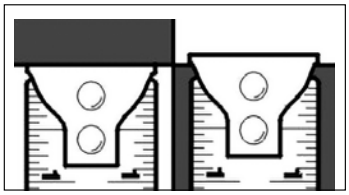
Components and spare parts from page 482 to 490

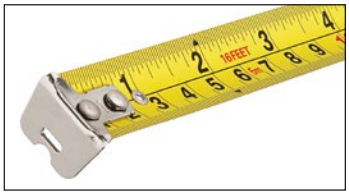
Measurement

2154 N Measuring tape

- Euro-Standard II
- Belt clip
- Extra large tape reduces flexure
- Lockable using slide button with integrated slide control
- Special hook (end of blade) for accurate interior and exterior measurements
- Shock-absorbing two-component plastic housing
- High-quality spring allows that the blade is automatically pulled in
- Tough coating protects from corrosion and wear
- Double measurement markings (on upper and lower edges)







HAZET No.	l mm	b mm	EAN-No. 4000896+
2154 N-2	2000	16	143924
2154 N-3	3000	16	143931
2154 N-5	5000	19	143948

Made in Germany

- **For inside and outside measurements**
- Euro-Standard II
- 2 m
- Solid ABS-plastic housing, 76 x 56 mm



HAZET No.	l mm	EAN-No. 4000896+
2154-2	2000	013159



2154 Precision vernier calliper

Made in Germany

- Measuring range: up to 150 mm
- Depth gauge
- mm and inch increments
- Vernier 0.05 mm and 1/128"
- Fixing screw
- In pocket
- Made of stainless steel
- DIN 862



HAZET No.	l mm	EAN-No. 4000896+
2154-10	234	013142

2154 Vernier calliper · digital

- Measuring range: up to 150 mm
- Depth gauge
- Reversible from mm to inch
- With interface RS 232 C for data processing
- On/off switch
- Including battery
- Made of stainless steel
- Plastic box
- DIN 862





HAZET No.	l mm	EAN-No. 4000896+
2154 N-20	234	127696

2155 N Precision micrometer

- Clamp ring and ratchet stop
- Spindle hidden inside, ground and hardened, adjustable
- Insulating plates
- Carbide tipped measuring surface
- Pitch: 0.5 mm reading: 0.01 mm
- Wooden box
- DIN 863-3





HAZET No.	EAN-No. 4000896+
• Measuring range 0 – 25 mm **2155 N-25**	127702
• Additionally with setting gauge • Measuring range 25 – 50 mm **2155-50**	073276

Components and spare parts from page 482 to 490

2155 Dial gauge







HAZET No.	EAN-No. 4000896+
Magnetic dial gauge stand	
• Magnetic base with prism support (e.g. for shafts)	
• On/Off switch for magnetic force	
• Dial gauge holder for 4.5 mm and 8 mm shaft	
• Horizontal rod for fine adjustment and articulation	
2155-60	144303
Mechanical dial gauge	
• Scale graduation: 0.01 mm	
• Measuring range: 8 mm	
• 1 needle rotation: 1 mm	
• Rotary and lockable scale	
• Target area can be limited by two needles	
• Clamping shaft: ∅ 8 mm	
• Suitable for application with TDC Position Tool 3688-10	
2155-65	144501

2145 Precision knife-edge straightedge

Made in Germany
• Measuring edge hardened

• Application: Inspecting the evenness (flatness) of surfaces, e.g. cylinder head
• Ground and lapped
• Antirust
• Non-glaring
• Insulating handle
• In artificial leather case
• DIN 874-2



HAZET No.	l mm	EAN-No. 4000896+
2145-500	500	073146

2147 Feeler gauge





HAZET No.	l mm	mm	EAN-No. 4000896+
• mm dimensions = feeler gauge set D			
• 20 pieces, increasing by 0.05–1.0 mm			
• Length of blades (bore hole – tip): 69.73 mm			
• Radius on the tip 15 mm			
• Checking the electrode distance in spark plugs			
2147	106	0.05–1.0	012824
• 2147 MS: made from brass – **non-magnetic** –			
• Setting e.g. sensors **at ABS**			
• Checking the electrode distance **of platinum spark plugs**			
• 20 pieces, increasing by 0.05–1.0 mm			
• Checking the electrode distance in spark plugs			
2147 MS	106	0.05–1.0	057603



Components and spare parts
from page 482 to 490

Tools with Protective Insulation / Tools for Electricians

Assortment, with protective insulation	252
Wrenches with protective insulation	253
Sockets with protective insulation	253 – 255
Screwdrivers with protective insulation	256 – 257
Pliers with protective insulation	257 – 258
Tools for electricians	259
Torque wrenches with protective insulation	260

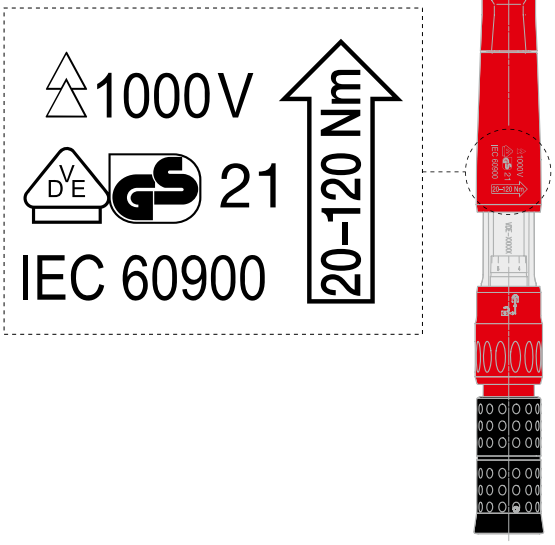


Tools with protective insulation

For safe application up to 1000 volts

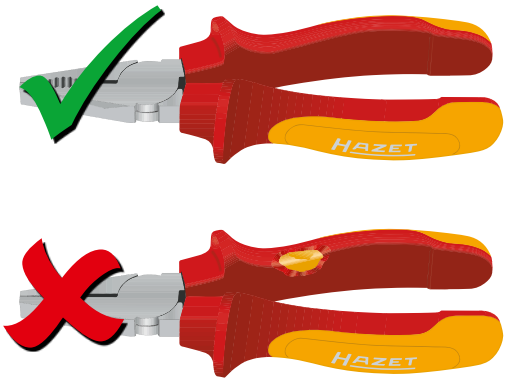
What are 1000 V tools?

- Tools with protective insulation have a special protective insulation and must be tested according to IEC 60900.
- The standard also prescribes the marking with the manufacturer name, model and article no. and year of manufacture. Tools with protective insulation are identified by the ”Double triangle“ logo and the 1000 V specification.
- All requirements stipulated in the DIN ISO for the torque, forces and hardness, for example, must be complied with.



Special HAZET 1000 V protective insulation

- HAZET tools with protective insulation normally have a two-tone multilayer safety insulation, i.e. a red layer on the outside and a yellow layer on the inside. This design supports the building regulation BGV A3 (VBG-4)
- The insulation must not exhibit any visual damage. If the inner yellow insulation layer is visible anywhere, the tool must be disposed of immediately, since there is a risk of electric shock. It is no longer possible and extremely dangerous to work with the power connected.
- Tools with protective insulation whose insulation has been technically sprayed on only have a single layer of red insulation. For safety reasons, the user should therefore check that the insulation is intact before starting work with the power connected to guarantee their safety.



Things to know before working with 1000 V tools

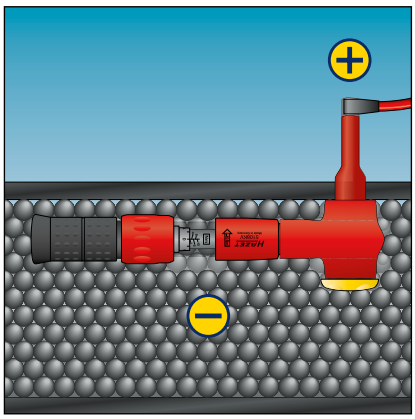
Here are some safety precautions for your own protection and safety:

- All work under electrical voltage must only be carried out by trained specialist personnel
- Only tools and equipment that have the ”Double triangle“ and 1000 V icon on them (see also building regulation BGV A3) are permitted
- Every time before starting work, the insulation must be checked for damage
- Dispose of damaged tools or ensure that they are NO LONGER used for work under voltage
- Comply with regulations from professional associations, etc. and/or power supply companies
- HAZET 1000 V tools ensure safe and risk-free work up to 1000 V AC (alternating voltage) and 1500 V (direct voltage)

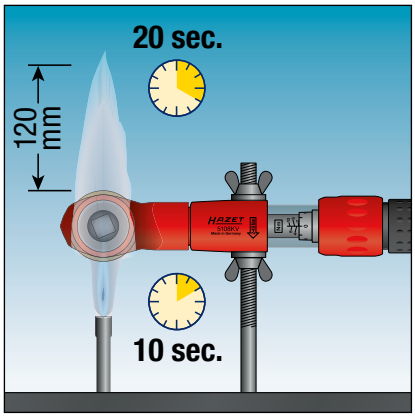
Components and spare parts
from page 482 to 490

Exemplary examples of VDE tests

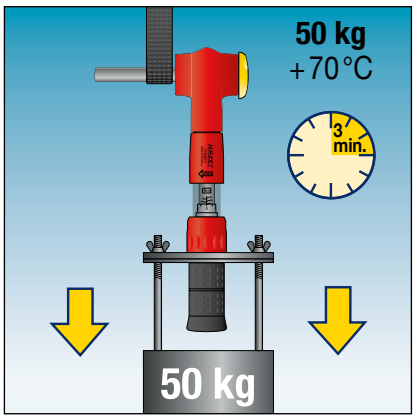
using a HAZET torque wrench with protective insulation



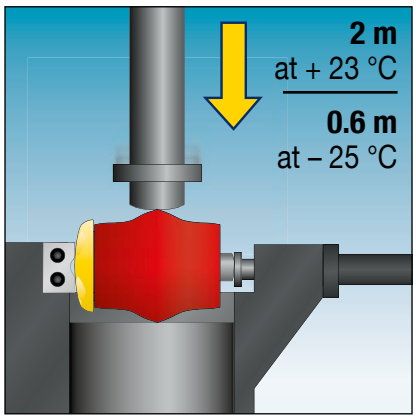
Electrical test [type testing]
No breakdowns or arcing may occur in the vicinity of the insulation after 48 hours of moisture-proof storage with a 3-minute measurement under 10,000 V.



Burn test [type testing]:
After 10 seconds in a flame, the insulation must not prove to be ”easily combustible“.

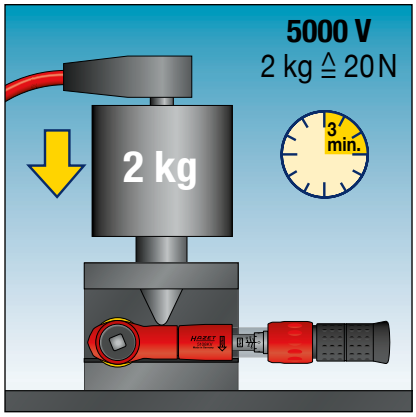


Test for adhesion:
The insulation must not come loose or slacken when under a tensile load for 3 minutes with 500 N after 168 hours in a climatic chamber at +70°C.



Cold impact test [type testing]:
With a retention time of 2 hours at an ambient temperature of -25 °C, the insulation must not present any cracks or other damage during targeted shocks and impacts (falling height 0.6 m).

Impact test at the ambient temperature:
At an ambient temperature of 23 °C, the insulation must not present any cracks or other damage after targeted shocks and impacts (falling height 2 m)



Pressure test [type testing]:
After being stored for 2 hours at a temperature of 70 °C, with a pressure load of 20 N and a 3-minute measurement under 5,000 V, there must be no punctures or arcing in the insulation.

Components and spare parts
from page 482 to 490

0-20 Tool assortment · with protective insulation

- **Tool assortment for electricians**
- IEC 60900:2018

1000 V




810 VDE • ⊖
0.4x2.5 • 0.6x3.5 • 0.8x4


810 VDE-PH • ✪
PH 1 • PH 2

839 • ⊖
0.5x2.8


1803 VDE-33


1816 VDE-22


1826 VDE-22


1841 a VDE-22

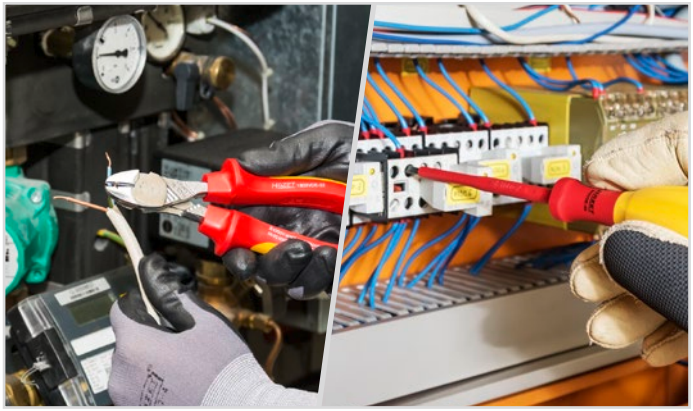

1841 b VDE-33


1850 VDE-22


1862 N


2154 N-3

HAZET No.		EAN-No. 4000896+
0-20/14	14	192526



0-179 Tool assortment

- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent
- IEC 60900:2018
- **Tool assortment**
- In soft foam insert Safety-Insert-System

1000 V




163-226/4


759 N-2 VDE


1803 VDE-22


1841 b VDE-33


1850 VDE-22


810 VDE • ✪, ⊖
163-229/7


810 VDE • ⊖
0.4x2.5 • 0.5x3
0.6x3.5 • 0.8x4


810 VDE-PH • ✪
PH 1 • PH 2 • PH 3


450 KV • ◉
163-542/18

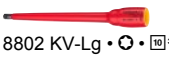

450 KV • ◉
7 • 8 • 9 • 10 • 11
12 • 13 • 14 • 15 • 16
17 • 18 • 19 • 22 • 24
27 • 30 • 32


880 KV • ◙, ○, ○, ○ • 10 3/8
163-545/41


880 KV • ◙ • 10 3/8
6 • 7 • 8 • 9 • 10
11 • 12 • 13 • 14 • 16
17 • 18 • 19 • 20 • 22


8801 K-KV • ○ • 10 3/8
5 • 6


8802 KV • ○ • 10 3/8
T 10 • T 15 • T 20
T 25 • T 27 • T 30
T 40 • T 45 • T 50


8802 KV-Lg • ○ • 10 3/8
T 10 • T 15 • T 20 • T 25
T 30 • T 40 • T 45 • T 50


8808 LgKV • ○ • 10 3/8
M 8 • M 10 • M 12


8816 KV • ■ 3/8


8821 KV • ■ 3/8 • 10 3/8
8821 KV-3 • 8821 KV-5


163-172x50

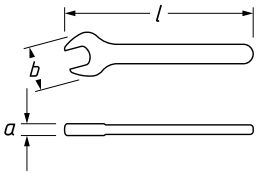
HAZET No.		EAN-No. 4000896+
0-179/70 KV	70	235575

450 KV Single open-end wrench · with protective insulation

Made in Germany

- Slim head
- Shank with sturdy HAZET double-T-profile
- Head set at: 15°
- Surface: with protective insulation
- IEC 60900:2018





HAZET No.	l mm	a mm	b mm	EAN-No. 4000896+
450 KV- 7	88	6.2	19.3	231409
450 KV- 8	103	6.7	20.3	231416
450 KV- 9	108	6.7	22.9	231423
450 KV-10	113	7.2	25.1	231256
450 KV-11	123	7.6	27.3	231263
450 KV-12	133	7.7	29.2	231270
450 KV-13	143	8.5	31.1	231287
450 KV-14	153	8.7	32.9	231294
450 KV-15	166	10.4	35.8	231300
450 KV-16	171	10.4	37.9	231317
450 KV-17	171	10.9	39.8	231324
450 KV-18	181	11.4	41.8	231331
450 KV-19	186	11.4	43.8	231348
450 KV-22	211	11.9	50	231355
450 KV-24	238	13.3	54.3	231362
450 KV-27	258	13.6	60.2	231379
450 KV-30	278	14.6	66.7	231386
450 KV-32	298	14.6	70	231393

450 KV Open-end wrench set · with protective insulation

Made in Germany

- Surface: with protective insulation
- IEC 60900:2018

Suitable for HAZET *Assistent* with a drawer depth of 398 mm:
173 · 179 · 179 N · 179 W · 179 N W · 179 BIG-1 · 179 XL · 179 N XL · 179 XXL · 179 N XXL · 179 A XXL · 179 T XXL · 180



2/3+

450 KV • ◉
7 • 8 • 9 • 10 • 11 • 12 • 13 • 14 • 15 • 16 • 17 • 18 • 19 • 22 • 24 • 27 • 30 • 32

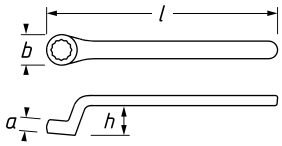
HAZET No.	L x W mm		EAN-No. 4000896+
163-542/18	392x344	18	223626

630 KV Single box-end wrench · with protective insulation

Made in Germany

- Deep offset
- Heads thin-walled
- Surface: with protective insulation
- IEC 60900:2018





HAZET No.	l mm	h mm	a mm	b mm	EAN-No. 4000896+
630 KV- 7	152	15.5	6.4	13.6	231584
630 KV- 8	164	18	6.8	13.8	231591
630 KV- 9	164	18	7.3	15.5	231607
630 KV-10	172	20.5	7.6	17.5	231430
630 KV-11	178	20.5	8.7	19	231447
630 KV-12	193	22	8.7	20.5	231454
630 KV-13	198	22	9.3	22	231461
630 KV-14	209	23.5	10	23.5	231478
630 KV-15	214	24	11	24	231485
630 KV-16	217	26.5	11	27.5	231492
630 KV-17	223	26.5	11	27.5	231508
630 KV-18	234	28.5	11.5	30	231515
630 KV-19	234	28.5	11.5	31	231522
630 KV-22	263	30	13	35.5	231539
630 KV-24	280	31	13	38	231546
630 KV-27	295	32	14	42	231553
630 KV-30	305	33	16	46	231560
630 KV-32	312	34	16	48	231577

630 KV Box-end wrench set · with protective insulation

Made in Germany

- Surface: with protective insulation
- IEC 60900:2018

Suitable for HAZET *Assistent* with a drawer depth of 398 mm:
173 · 179 · 179 N · 179 W · 179 N W · 179 BIG-1 · 179 XL · 179 N XL · 179 XXL · 179 N XXL · 179 A XXL · 179 T XXL · 180



2/3+

630 KV • ◉
7 • 8 • 9 • 10 • 11 • 12 • 13 • 14 • 15 • 16 • 17 • 18 • 19 • 22 • 24 • 27 • 30 • 32

HAZET No.	L x W mm		EAN-No. 4000896+
163-543/18	392x344	18	223831

880 VDE Socket set · with protective insulation

- Surface: with protective insulation
- IEC 60900:2018



1/3



880 KV • ◉ • 10 3/8
6 • 7 • 8 • 9 • 10
11 • 12 • 13 • 14 • 16
17 • 18 • 19 • 20 • 22



8816 KV • 10 3/8



8821 KV • 10 3/8 • 10 3/8
8821 KV-3 • 8821 KV-5

HAZET No.	L x W mm		EAN-No. 4000896+
163-580/18	342x172	18	235520

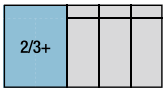
Components and spare parts from page 482 to 490

880 KV Socket set · with protective insulation

- Surface: with protective insulation
- IEC 60900:2018

Suitable for HAZET *Assistent* with a drawer depth of 398 mm:
173 · 179 · 179 N · 179 W · 179 N W · 179 BIG-1 · 179 XL · 179 N XL · 179 XXL · 179 N XXL · 179 A XXL · 179 T XXL · 180







880 KV • 6 • 7 • 8 • 9 • 10 • 11 • 12 • 13 • 14 • 16 • 17 • 18 • 19 • 20 • 22



8802 KV • T 10 • T 15 • T 20 • T 25 • T 27 • T 30 • T 40 • T 45 • T 50



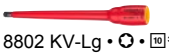
8808 LgKV • M 8 • M 10 • M 12



8816 KV •



8801 K-KV • 5 • 6



8802 KV-Lg • T 10 • T 15 • T 20 • T 25 • T 30 • T 40 • T 45 • T 50



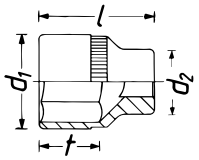
8821 KV • 8821 KV-3 • 8821 KV-5

HAZET No.	L x W mm		EAN-No. 4000896+
163-545/41	392x344	41	223855

880 KV Socket · hexagon

Made in Germany

- Short design
- Surface: with protective insulation
- IEC 60900:2018



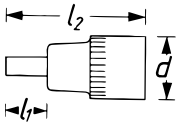


HAZET No.	l mm	d_1 mm	d_2 mm	t mm	EAN-No. 4000896+
880 KV- 6	40	14	23	6.5	231959
880 KV- 7	40	15	23	6.5	231966
880 KV- 8	40	16	23	6.5	231973
880 KV- 9	40	17.5	23	6.5	231980
880 KV-10	41	18.5	23	7.3	231843
880 KV-11	42	20	23	8.4	231850
880 KV-12	43	21	23	9.3	231867
880 KV-13	43.5	22.5	23	9.8	231874
880 KV-14	45.5	23.5	23	11.8	231881
880 KV-16	45.5	26	23	11.7	231898
880 KV-17	45.5	27.5	23	11.7	231904
880 KV-18	47.5	28.5	23	13.7	231911
880 KV-19	47.5	30	23	13.7	231928
880 KV-20	47.5	31	23	13.7	231935
880 KV-22	50	33.5	23	15.6	231942

8801 K-KV Screwdriver socket

Made in Germany

- Short design
- Surface: with protective insulation
- IEC 60900:2018



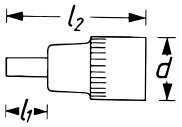


HAZET No.	l_1 mm	l_2 mm	d mm	EAN-No. 4000896+
8801 K-5 KV	12.5	60	23	231614
8801 K-6 KV	12.5	60	23	231621

8802 KV Screwdriver socket

Made in Germany

- Short design
- Surface: with protective insulation
- IEC 60900:2018





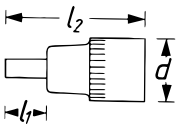
HAZET No.	s	l_1 mm	l_2 mm	d mm	EAN-No. 4000896+
8802 KV-T 10	T10	12.5	59.5	23	231720
8802 KV-T 15	T15	12.5	59.5	23	231737
8802 KV-T 20	T20	12.5	59.5	23	231744
8802 KV-T 25	T25	12.5	59.5	23	231751
8802 KV-T 27	T27	12.5	59.5	23	231768
8802 KV-T 30	T30	12.5	59.5	23	231775
8802 KV-T 40	T40	12.5	59.5	23	231782
8802 KV-T 45	T45	12.5	59.5	23	231799
8802 KV-T 50	T50	12.5	60.5	23	231805

8802 KV-Lg Screwdriver socket

Made in Germany

- Long design
- Surface: with protective insulation
- IEC 60900:2018





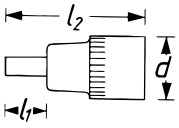
HAZET No.	s	l_1 mm	l_2 mm	d mm	EAN-No. 4000896+
8802 KV-Lg-T 10	T10	153	187	23	231638
8802 KV-Lg-T 15	T15	153	187	23	231645
8802 KV-Lg-T 20	T20	153	187	23	231652
8802 KV-Lg-T 25	T25	153	187	23	231669
8802 KV-Lg-T 27	T27	153	187	23	231676
8802 KV-Lg-T 30	T30	153	187	23	231683
8802 KV-Lg-T 40	T40	153	187	23	231690
8802 KV-Lg-T 45	T45	153	187	23	231706
8802 KV-Lg-T 50	T50	153	187	23	231713

8808 LgKV Screwdriver socket

Made in Germany

- Long design
- Surface: with protective insulation
- IEC 60900:2018





HAZET No.	s	l_1 mm	l_2 mm	d mm	EAN-No. 4000896+
8808 Lg- 8 KV	M8	100	145.5	23	231836
8808 Lg-10 KV	M10	100	144.5	23	231812
8808 Lg-12 KV	M12	100	145.3	23	231829

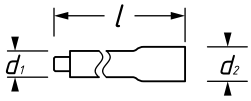
8821 KV Extension · 1000 Volt

Made in Germany

- With locking ball
- Surface: with protective insulation
- IEC 60900:2018

1000 V · 10 3/8" · 10 3/8"





HAZET No.	l mm	d1 mm	d2 mm	EAN-No. 4000896+
8821 KV-3	90	17.5	23	231997
8821 KV-5	142	17.5	23	232000

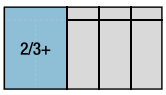
900 KV Socket set · with protective insulation

- Surface: with protective insulation
- IEC 60900:2018

1000 V · E · R · 12.5 1/2"

Suitable for HAZET Assistent with a drawer depth of 398 mm:
173 · 179 · 179 N · 179 W · 179 N W · 179 BIG-1 · 179 XL · 179 N XL · 179 XXL · 179 N XXL · 179 A XXL · 179 T XXL · 180







900 KV • ⊕ • 12.5 1/2
10 • 11 • 12 • 13 • 14
15 • 16 • 17 • 18 • 19
20 • 22 • 23 • 24 • 26
27 • 30 • 32



986 LGKV • O • 12.5 1/2
4 • 5 • 6 • 8 • 10



916 KV • 12.5 1/2



917/918 KV • 12.5 1/2 • 12.5 1/2
917 KV-5 • 918 KV-10

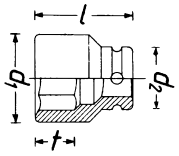
HAZET No.	L x W mm		EAN-No. 4000896+
163-544/26	392x344	26	223848

900 KV Socket · Hexagon · with protective insulation

Made in Germany

- Surface: with protective insulation
- IEC 60900:2018

1000 V · R · 12.5 1/2"





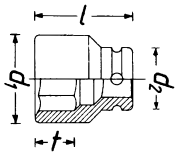
HAZET No.	l mm	d1 mm	d2 mm	t mm	EAN-No. 4000896+
900 KV-10	54	19.5	27	10.8	232017
900 KV-11	54	20.5	27	10.8	232024
900 KV-12	54	22	27	11.3	232031
900 KV-13	54	23	27	11.3	232048
900 KV-14	54	24.5	27	11.8	232055
900 KV-15	54	25.5	27	11.8	232062
900 KV-16	54	27	27	12.2	232079
900 KV-17	54	28	27	12.7	232086
900 KV-18	54	29.5	27	14.2	232093
900 KV-19	54	30.5	27	14.2	232109
900 KV-20	54	32	27	14.2	232116
900 KV-22	57.5	34.5	27	17.6	232123
900 KV-23	57.5	35.5	27	17.6	232130
900 KV-24	60	36.5	27	18.1	232147
900 KV-26	60	39	27	17.8	232154
900 KV-27	62	40	27	19.7	232161
900 KV-30	66	44	27	23.3	232178
900 KV-32	66	46.5	27	23	232185

900 KV Socket · hexagon · long · with protective insulation

Made in Germany

- Surface: with protective insulation
- IEC 60900:2018

1000 V · R · 12.5 1/2"





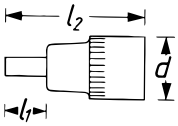
HAZET No.	l mm	d1 mm	d2 mm	t mm	EAN-No. 4000896+
900 Lg-10 KV	101	27	18.9	16	237180
900 Lg-12 KV	101	27	21.5	16	237173

986 LGKV Screwdriver socket · with protective insulation

Made in Germany

- Long design
- Surface: with protective insulation
- IEC 60900:2018

1000 V · O · 12.5 1/2"





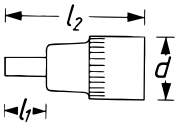
HAZET No.	l1 mm	l2 mm	d mm	EAN-No. 4000896+
986 Lg- 4 KV	102	156	27	232222
986 Lg- 5 KV	102	156	27	232239
986 Lg- 6 KV	102	156	27	232246
986 Lg- 8 KV	102	156	27	232253
986 Lg-10 KV	102	156	27	232215

917/918 KV Extension · with protective insulation

Made in Germany

- With locking ball
- Surface: with protective insulation
- IEC 60900:2018

1000 V · 12.5 1/2" · 12.5 1/2"





HAZET No.	l mm	EAN-No. 4000896+
917 KV- 5	140	232192
918 KV-10	264	232208



Components and spare parts from page 482 to 490

804 VDE Screwdriver set · with protective insulation

Made in Germany

- All screwdrivers 10,000 volts individually tested, safe working guaranteed up to 1,000 volts
- Round blade
- Ergonomically shaped HAZET 2-component handle (red/yellow)
- Surface: with protective insulation
- IEC 60900:2018

2.5x0.4 · 3.0x0.5 · 3.5x0.6 · 4.0x0.8 · 5.5x1.0 · 6.5x1.2 mm
PH 1 · PH 2
PZ 2
T 10 · T 15 · T 20



HAZET No.		EAN-No. 4000896+
804 VDE/14	14	133000

810 Screwdriver set · with protective insulation

- IEC 60900:2018
- Voltmeter, 220–250 V as per VDE 0680



810 VDE • 0.4x2.5 • 0.6x3.5 • 0.8x4

810 VDE-PH • PH 1 • PH 2

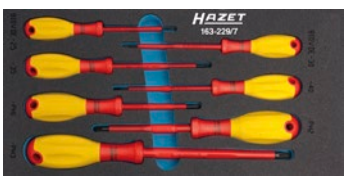
839 • 0.5x2.8

HAZET No.		EAN-No. 4000896+
810/6 VDE	6	179329

810 VDE Screwdriver set · with protective insulation

- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent
- Surface: with protective insulation
- IEC 60900:2018

1/3



810 VDE • 0.4x2.5 • 0.5x3 • 0.6x3.5 • 0.8x4

810 VDE-PH • PH 1 • PH 2 • PH 3

HAZET No.	L x W mm		EAN-No. 4000896+
163-229/7	342x172	7	177844

810 VDE Screwdriver set · with protective insulation

- Surface: with protective insulation
- IEC 60900:2018

2/3



810 VDE • 0.4x2.5 • 0.5x3 0.6x3.5 • 0.8x4

810 VDE-PH • PH 1 • PH 2 • PH 3

810 VDE-T • T 20 • T 25 • T 30

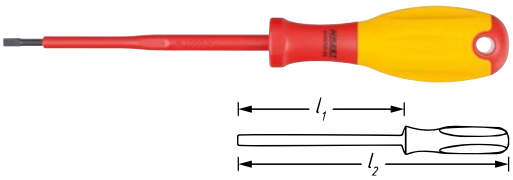
839 • 0.5x2.8

2156 VDE-2

HAZET No.	L x W mm		EAN-No. 4000896+
163-546/12	344x342	12	223619

810 VDE Screwdriver for electricians · with protective insulation

- Round blade
- Ergonomically shaped HAZET 2-component handle (red/yellow)
- Surface: tip burnished, with protective insulation
- IEC 60900:2018

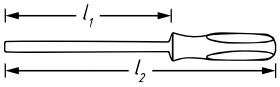


HAZET No.	l_1 mm	l_2 mm	mm	b mm	EAN-No. 4000896+
810 VDE-25	75	155	0.4	2.5	174089
810 VDE-30	100	180	0.5	3	174355
810 VDE-35	100	190	0.6	3.5	174362
810 VDE-40	100	190	0.8	4	174379

810 VDE-PH Screwdriver for electricians · with protective insulation

- Round blade
- Ergonomically shaped HAZET 2-component handle (red/yellow)
- Surface: tip burnished, with protective insulation
- IEC 60900:2018



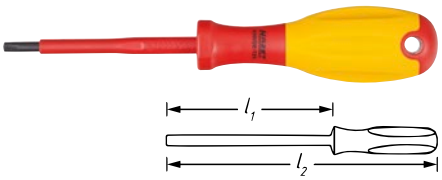


HAZET No.	l_1 mm	l_2 mm	EAN-No. 4000896+
810 VDE-PH 1	80	180	174386
810 VDE-PH 2	100	210	174393
810 VDE-PH 3	150	270	174409

Components and spare parts from page 482 to 490

810 VDE-T Screwdriver for electricians · with protective insulation

- Round blade
- Ergonomically shaped HAZET 2-component handle (red/yellow)
- Surface: tip burnished, with protective insulation
- IEC 60900:2018



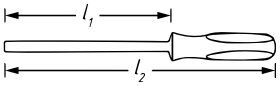
HAZET No.	l_1 mm	l_2 mm	mm	EAN-No. 4000896+
810 VDE-T 20	80	180	3.86	174416
810 VDE-T 25	80	180	4.43	174423
810 VDE-T 30	100	210	5.52	174430

839 Voltmeter

Made in Germany

- 220 – 250 V
- Slotted blade, concave ground
- Extra long handle, 92 mm
- With clip
- Defective glow tube not replaceable according to VDE
- Round blade
- Plastic handle
- DIN VDE 06800-6







HAZET No.	l_1 mm	l_2 mm	mm	b mm	EAN-No. 4000896+
839-1	58	150	0.5	2.8	035670

163 Pliers set · with protective insulation

Made in Germany

- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent
- Surface: with protective insulation
- IEC 60900:2018

1/3




1802 VDE-22


1804 VDE-33


1860 VDE-11

HAZET No.	L x W mm		EAN-No. 4000896+
163-227/3	342x172	3	177868

Made in Germany

- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent
- Surface: with protective insulation
- IEC 60900:2018

1/3



163 Pliers set · with protective insulation


759 N-2 VDE


1803 VDE-22


1841 b VDE-33


1850 VDE-22

HAZET No.	L x W mm		EAN-No. 4000896+
163-226/4	342x172	4	177875

1850 VDE Combination pliers · with protective insulation

Made in Germany

- Induction-hardened cutting edges with grind
- Cutting edge hardness: 60 HRC
- Ergonomically shaped HAZET 2-component plastic handle covers (red/yellow)
- Surface: bright chrome-plated, with protective insulation
- IEC 60900:2018, DIN ISO 5746



HAZET No.	l mm	Rm N/mm² ○ 800	Rm N/mm² ◒ 1600	EAN-No. 4000896+
1850 VDE-22	160	2.5	1.8	007202
1850 VDE-33	180	2.8	2.5	007219
1850 VDE-44	200	3	2.8	007226

1803 VDE Diagonal cutter · with protective insulation

Made in Germany

- Easy motion joint free of clearance
- Lap joint
- Induction-hardened cutting edges with grind
- Cutting edge hardness: 60 HRC
- Ergonomically shaped HAZET 2-component plastic handle covers (red/yellow)
- Surface: bright chrome-plated, with protective insulation
- IEC 60900:2018, DIN ISO 5749



HAZET No.	l mm	Rm N/mm² ○ 800	Rm N/mm² ◒ 1600	EAN-No. 4000896+
1803 VDE-22	160	2.8	2	006137
1803 VDE-33	180	3	2.5	006144

1802 VDE Heavy-duty diagonal cutter · with protective insulation

Made in Germany

- **Optimum leverage ratio due to small distance between joint and cutting edges**
- Forged design
- Easy motion joint free of clearance
- Lay-on slip joint
- Induction-hardened cutting edges with grind
- Cutting edge hardness: 64 HRC
- Ergonomically shaped HAZET 2-component plastic handle covers (red/yellow)
- Surface: bright chrome-plated, with protective insulation
- IEC 60900:2018, DIN ISO 5749



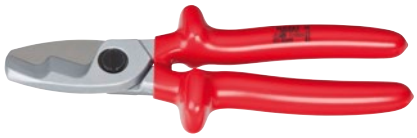
HAZET No.	l mm	Rm N/mm² ○ 800	Rm N/mm² ◒ 1600	Rm N/mm² ● 2300	EAN-No. 4000896+
1802 VDE-22	180	3.8	2.7	2.2	086382

Components and spare parts from page 482 to 490

1804 VDE Cable shears · with protective insulation

Made in Germany

- Twin cutting edge
- Cutting of copper- and aluminium cables without squeezing
- Handles with dip coating
- Surface: with protective insulation
- IEC 60900:2018



HAZET No.	l mm	EAN-No. 4000896+
1804 VDE-33	208	173631

1826 VDE Round-nose pliers · with protective insulation

Made in Germany

- Long jaws
- Round shape
- Ergonomically shaped HAZET 2-component plastic handle covers (red/yellow)
- Surface: bright chrome-plated, with protective insulation
- IEC 60900:2018, DIN ISO 5745



HAZET No.	l mm	EAN-No. 4000896+
1826 VDE-22	160	006328

1841 AVDE Snipe nose pliers · with protective insulation

Made in Germany

- Flat round shape, induction-hardened cutting edges
- Straight design
- Cutting edge hardness: 60 HRC
- Ergonomically shaped HAZET 2-component plastic handle covers (red/yellow)
- Surface: bright chrome-plated, with protective insulation
- IEC 60900:2018, DIN ISO 5745



HAZET No.	l mm	Rm N/mm² ○ 800	Rm N/mm² ◒ 1600	EAN-No. 4000896+
1841 a VDE-22	160	2.5	1.6	006397

759 N-VDE Universal pliers · with protective insulation

Made in Germany

- Universal pliers
- Jaw and hinge polished
- Box joint
- Ergonomically shaped HAZET 2-component plastic handle covers (red/yellow)
- Surface: with protective insulation
- IEC 60900:2018, DIN ISO 8976



HAZET No.	l mm	sb mm	sb ● mm	EAN-No. 4000896+
759 N-2 VDE	251	30	10–36	174072

1816 VDE Flat nose pliers · with protective insulation

Made in Germany

- Long jaws
- Flat form
- Straight design
- Ergonomically shaped HAZET 2-component plastic handle covers (red/yellow)
- Surface: bright chrome-plated, with protective insulation
- IEC 60900:2018, DIN ISO 5745



HAZET No.	l mm	EAN-No. 4000896+
1816 VDE-22	160	006298

1860 VDE Wire stripper · with protective insulation

Made in Germany

- For wire with a cross-section up to 6 mm²
- With adjusting screw and opening spring
- Ergonomically shaped HAZET 2-component plastic handle covers (red/yellow)
- Surface: bright chrome-plated, with protective insulation
- IEC 60900:2018



HAZET No.	l mm	EAN-No. 4000896+
1860 VDE-11	160	007288

1841 BVDE Snipe nose pliers · with protective insulation

Made in Germany

- Flat round shape, induction-hardened cutting edges
- Curved design (45°)
- Cutting edge hardness: 60 HRC
- Ergonomically shaped HAZET 2-component plastic handle covers (red/yellow)
- Surface: bright chrome-plated, with protective insulation
- IEC 60900:2018, DIN ISO 5745



HAZET No.	l mm	Rm N/mm² ○ 800	Rm N/mm² ◒ 1600	EAN-No. 4000896+
1841 b VDE-33	200	2.8	1.8	006441



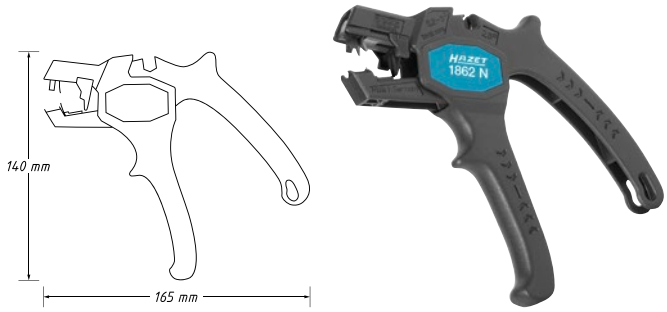
1862 Wire stripper · automatic

Made in Germany

- **Automatic scanning system, no adjustment to the cable cross-section necessary**

- Application: Stripping of flexible cables (stranded wire) and solid conductors ∅ 0.2 to 6.0 mm² or AWG 24 – 10
- Optimally positioned diagonal cutter up to 2.5 mm²
- Adjustable length stop 6 – 15 mm
- Fastening element at end of handle
- Replaceable blades

Not for work on or near electrically live parts



HAZET No.	l mm	EAN-No. 4000896+
1862 N	180	242627

1863 Wire stripper · automatic

- **Automatic adjustment to insulation thickness, easy application – perfect result**

- Application: Wire stripping of electrical conductors, stranded wires and cables
- For copper and aluminium conductors
- Stripping range PVC-insulated conductors, cross-section 0.2 up to 6 mm²
- Maximum stripping length: 18 mm
- Spring-loaded knife-type blades
- Wire cutter for 4 mm² single-wired and 6 mm² fine-wired



HAZET No.	l mm	EAN-No. 4000896+
1863	205	007325

4656 Crimping pliers

Made in Germany

- **Crimping of conductor crimp and insulation crimp in one working step**

- Intensive insulation crimp with special profile geometry
- Integrated lock with releasing mechanism provides complete crimp
- All stressed parts are specially tempered
- Easy handling
- Profile coding
- Profiles / cross-sectional areas:
  red: 0.5–1.0 mm² / AWG 20–16
  blue: 1.5–2.5 mm² / AWG 16–14
  yellow: 4.0–6.0 mm² / AWG 12–10
- Ergonomic soft grip handles with anti-slip covers
- Surface: burnished, oiled





HAZET No.	l mm	EAN-No. 4000896+
4656-1	220	127351

4658 Crimping pliers

Made in Germany

- For a multitude of **non-insulated cable and plug-type connectors**
- Integrated lock with release mechanism ensures complete crimping process
- **Less expenditure of force due to an** optimal force transmission ratio
- **Linear crimping** providing consistent rolling of conductor and insulator crimp
- The **insulation stop** allows the positioning of the contact in the crimping profile independent of the type of contact used
- **Change head** for **cross sections 0.35–1.5 mm²** complete, including basic tool
- 1st profile: 0.35–0.5 mm²
  2nd profile: 1.5 mm²
  3rd profile: 0.5 – 1.0 mm²
  conductor crimp = B-crimp / insulation crimp = O-crimp



HAZET No.	l mm	EAN-No. 4000896+
4658-10	150	129515

2156 Cable knife

- Blade made of stainless steel
- Plastic handle



HAZET No.	l mm	EAN-No. 4000896+
2156	110	013180

2156 VDE Cable stripping knife · with protective insulation

Made in Germany

1000 V

- With protection cap
- Blade made of stainless steel
- Plastic handle
- IEC 60900:2018



HAZET No.	l mm	EAN-No. 4000896+
2156 VDE-2	180	173549

196 VDE Insulating mat

Made in Germany

- **For working on high-current parts, in carrier bag**

- Rubber mat, **tested: 50,000 V, according to VDE 0303**
- One side smooth and one side anti-slipping, grooved
- Dimensions: 1000 x 1000 x 4.0 mm

Carrier bag design

- Carrying strap removable
- Length: 1000 mm
- Diameter: 160 mm
- Polyester, red



HAZET No.		EAN-No. 4000896+
196 VDE-8/2	2	174836

Components and spare parts from page 482 to 490

5000 KV Torque wrench · with protective insulation · SYSTEM 5000 KV (with sliding square) · ± 4% accuracy · 5108 KV · ±6% · 2–120 Nm

Made in Germany

- **Can be calibrated**
- **Long service life / high accuracy**

- Option of:
  – Removal
  – Repair (if necessary)
  – Installation
  – Adjustment
  – Calibration
- **Note: adjustment, possible repairs with removal/assembly of the KV torque wrench only in HAZET Service Center**
- Suitable for control of inspection and test equipment
- Sustainable and environmentally sound
- Safety:
  – Haptic (close-gap release)
  – Audible (”click“ sound)
- **Right/left release** by plug-in square, thereby tightening at torque setting, both to the right and to the left within the specified tolerance
- Low weight for good handling and fatigue-free work

Product design features

- Slim design in strict accordance with the required insulating properties (material strength/overlaps)
- Smooth transitions on switching and moving parts with ergonomic handle design and calibration notch
- Uniform look even when using other components (e.g. red insulated sockets)
- Attractive colour design of the housing and head with signal colours red/yellow
- Handle colour in black to make a distinction with the colour and to prevent it appearing dirty quickly
- No disturbing projecting parts (e.g. shift lever)
- DIN EN ISO 6789-2:2017, DIN 3120, ISO 1174-1, IEC 60900:2018

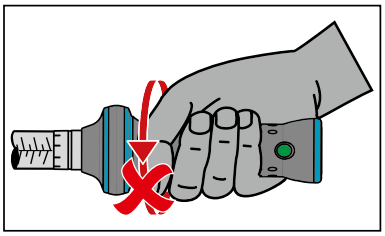


YouTube Clip









ATTENTION:
Repairs may only be carried out by the HAZET Service Center, as repair works must be followed by a 10,000 V routine test in accordance with IEC 60900

HAZET No.	Output	l mm	Release accuracy tolerance %	Nm	Nm	kg	EAN-No. 4000896+
5108 KV	■ 10 = ⅜″	275	6	2–10	0.2	1.0–5.0	235421
5109 KV	■ 10 = ⅜″	305	4	5–25	0.5	2.1–11.0	235445
5121 KV	■ 12.5 = ½″	420	4	20–120	1	6.0–37.4	233397

Components and spare parts from page 482 to 490



Components and spare parts
from page 482 to 490


HAZET
6606d-18
Made in Germany
19
HAZET
6350d
Made in Germany
19
HAZET
6530d
Made in Germany
HAZET
6291-1CT
Made in Germany
60 – 320 Nm
SmartTAC
+30.45
Made in Germany
M
OK
HAZET
7291-2sTAC
Nm
0
40
60
80
100
120
140
160
180
200
190
170
150
130
110
90
70

Torque Technology

5000-3 CT	With reversible ratchet	± 3 % / 4 %	1–800 Nm		286
5200 CT	With insert square	± 3 %	2.5–200 Nm		287
5000 CLT	With display and reversible ratchet	± 4 %	20–320 Nm		288
5000 KV	With protective insulation, tested to 1000 V	± 4 % / 6 %	2 – 120 Nm		260
6000 CT	With reversible ratchet	± 2 % / 4 %	1–800 Nm		288
6000 CT	Can be disassembled, with reversible ratchet	± 3 % / 4 %	400–2000 Nm		290
6000 CT	US Standard, with reversible ratchet	± 3 %	5–600 lbf.ft		291
6200 CT	With insert square	± 2 % / 4 %	2–500 Nm		292
6000 CT	Torque tool sets				294
7000 sTAC	Electronic, with insert square and reversible ratchet	from ± 1 % / ± 1 digit ± 1°	1–1000 Nm		296
6000	Torque screwdrivers for bits	± 6 % / 10 %	0.4–5.4 Nm		298
6000	Torque screwdrivers for bits	± 5 %	0.1–6 Nm		298
6300 CT	With insert square and adjustable fixed value	± 2 % / 6 %	1–320 Nm		299
	Insert tools				301
	Torque testers and Accessories				304

Product overview of HAZET torque wrenches

	HAZET No.	Release accuracy		Measuring range
	5107-3 CT	± 4 %	6.3 1/4"	1–9 Nm
	5108-3 CT	± 3 %	6.3 1/4"	2.5–25 Nm
	5110-3 CT	± 3 %	10 3/8"	10–60 Nm
	5120-3 CT	± 3 %	12.5 1/2"	10–60 Nm
	5111-3 CT	± 3 %	10 3/8"	20–120 Nm
	5121-3 CT	± 3 %	12.5 1/2"	20–120 Nm
	5122-3 CT	± 3 %	12.5 1/2"	40–200 Nm
	5123-3 CT	± 3 %	12.5 1/2"	60–320 Nm
	5143-3 CT	± 3 %	12.5 1/2"	100–400 Nm
	5145-3CT	± 3 %	20 3/4"	300–800 Nm
	5280-3 CT	± 3 %	9 x 12	2.5–25 Nm
	5290-3 CT	± 3 %	9 x 12	10–60 Nm
	5292-3 CT	± 3 %	14 x 18	40–200 Nm
	5121-2 CLT	± 4 %	12.5 1/2"	20–120 Nm
	5122-2 CLT	± 4 %	12.5 1/2"	40–200 Nm
	5123-2 CLT	± 4 %	12.5 1/2"	60–320 Nm
	5108 KV	± 6 %	10 3/8"	2–10 Nm
	5109 KV	± 4 %	10 3/8"	5–25 Nm
	5121 KV	± 4 %	12.5 1/2"	20–120 Nm
	6106-1 CT*	± 4 %	6.3 1/4"	1–6 Nm
	6108-1 CT*	± 2 %	6.3 1/4"	2–10 Nm
	6109-2 CT*	± 2 %	6.3 1/4"	4–40 Nm
	6110-1 CT*	± 2 %	10 3/8"	5–60 Nm
	6111-1 CT	± 2 %	10 3/8"	20–120 Nm
	6121-1 CT	± 2 %	12.5 1/2"	20–120 Nm
	6122-1 CT	± 2 %	12.5 1/2"	40–200 Nm
	6123-1 CT	± 2 %	12.5 1/2"	60–320 Nm
	6143-1 CT	± 2 %	20 3/4"	100–400 Nm
	6144-1 CT	± 2 %	20 3/4"	200–500 Nm
	6145-1 CT	± 2 %	20 3/4"	300–800 Nm
	6150-1 CT	± 3 %	20 3/4"	400–1000 Nm
	6160-1 CT	± 3 %	25 1"	600–1600 Nm
	6170-1 CT	± 4 %	25 1"	800–2000 Nm
	6114-1 CT*	± 3 %	10 3/8"	5–40 lbf.ft
	6115-1 CT	± 3 %	10 3/8"	20–100 lbf.ft
	6127-1 CT	± 3 %	12.5 1/2"	40–200 lbf.ft
	6128-1 CT	± 3 %	12.5 1/2"	50–250 lbf.ft
	6132-1 CT*	± 3 %	20 3/4"	120–600 lbf.ft

* = Without signal transmitter

Components and spare parts
from page 482 to 490

	HAZET No.	Release accuracy		Measuring range
	6280-1 CT	± 2 %	9 x 12	2–10 Nm
	6282-1 CT	± 2 %	9 x 12	4–40 Nm
	6281-2 CT	± 4 %	9 x 12	5–13 Nm
	6290-1 CT*	± 2 %	9 x 12	5–60 Nm
	6291-2 CT	± 2 %	9 x 12	20–120 Nm
	6291-1 CT	± 2 %	14 x 18	20–120 Nm
	6292-1 CT	± 2 %	14 x 18	40–200 Nm
	6293-1 CT	± 2 %	14 x 18	60–320 Nm
	6294-1 CT	± 2 %	14 x 18	100–400 Nm
	6295-1 CT	± 2 %	14 x 18	200–500 Nm
	7280-2 sTAC	± 2% / 1 digit	9 x 12 6.3 1/4"	1–10 Nm
	7281-2 sTAC	± 2% / 1 digit	9 x 12 6.3 1/4"	2.5–25 Nm
	7290-2 sTAC	± 1 % / 1 digit	9 x 12 10 3/8"	5–60 Nm
	7291-2 sTAC	± 1 % / 1 digit	9 x 12 10 3/8"	10–100 Nm
	7292-2 sTAC	± 1 % / 1 digit	14 x 18 12.5 1/2"	20–200 Nm
	7294-2 sTAC	± 1 % / 1 digit	14 x 18 20 3/4"	40–400 Nm
	7295-2 sTAC	± 1 % / 1 digit	14 x 18 20 3/4"	65–650 Nm
	7250-2 sTAC	± 1 % / 1 digit	20 3/4"	200–1000 Nm
	7280-5 sTAC	± 2% / 1 digit	9 x 12 6.3 1/4"	1–10 Nm
	7281-5 sTAC	± 2% / 1 digit	9 x 12 6.3 1/4"	2.5–25 Nm
	7290-5 sTAC	± 1 % / 1 digit	9 x 12 10 3/8"	5–60 Nm
	7291-5 sTAC	± 1 % / 1 digit	9 x 12 10 3/8"	10–100 Nm
	7292-5 sTAC	± 1 % / 1 digit	14 x 18 12.5 1/2"	20–200 Nm
	7294-5 sTAC	± 1 % / 1 digit	14 x 18 20 3/4"	40–400 Nm
	7295-5 sTAC	± 1 % / 1 digit	14 x 18 20 3/4"	65–650 Nm
	7250-5 sTAC	± 1 % / 1 digit	20 3/4"	200–1000 Nm
	6001-1.4/3	± 10 %	6.3 1/4"	0.4–1.4 Nm
	6001-1.5/3	± 10 %	6.3 1/4"	0.6–1.5 Nm
	6001-3.0/3	± 6 %	6.3 1/4"	1.5–3 Nm
	6001-5.4/3	± 6 %	6.3 1/4"	3–5.4 Nm
	6002 CT	± 5 %	6.3 1/4"	10–120 cNm
	6003 CT	± 5 %	6.3 1/4"	100–600 cNm
	6391-10	± 6 %	9 x 12	1 – 10 Nm
	6391-12 (V)	± 2 %	9 x 12	2–12 Nm
	6391-25 (V)	± 2 %	9 x 12	2–25 Nm
	6391-35 (V)	± 2 %	9 x 12	15–35 Nm
	6391-50 (V)	± 2 %	9 x 12	5–50 Nm
	6391-85 (V)	± 2 %	9 x 12	15–85 Nm
	6392-200 (V)	± 2 %	14 x 18	50–200 Nm
	6392-320 (V)	± 2 %	14 x 18	60–320 Nm

Components and spare parts
from page 482 to 490

Pictogram key

b	Width in mm
a	Height in mm
l	Length in mm
s	Wrench size in mm or inches
mm	TORX® Size in mm
kg	Actuating force in kg
	For inside hexagon screws
	For outside hexagon screws
	For inside TORX® screws

	TRACTION PROFILE 6-point
	TRACTION PROFILE 12-point
6.3 ¼″ 6.3 ¼″	Nominal size 6.3
10 ⅜″ 10 ⅜″	Nominal size 10
12.5 ½″ 12.5 ½″	Nominal size 12.5
20 ¾″ 20 ¾″	Nominal size 20
25 1″ 25 1″	Nominal size 25
	Inside square
	Outside square

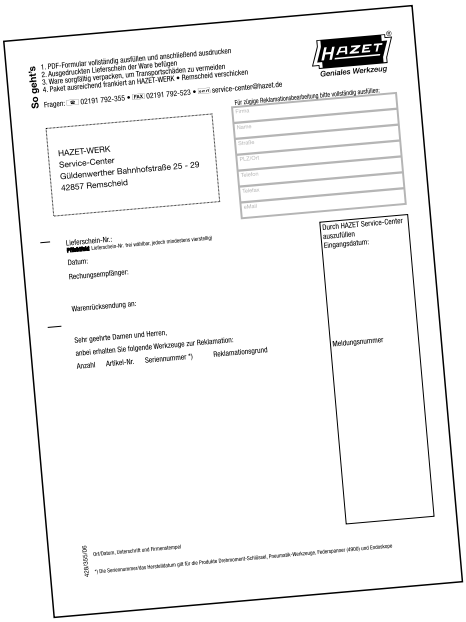
	Inside hexagon
	Outside hexagon
9 x 12	Female connection 9 x 12 mm in torque wrenches
14 x 18	Female connection 14 x 18 mm in torque wrenches
	Number of teeth
	Rotation angle
	Scale graduation

The HAZET Service Centre

DIRECT SERVICE

Direct contact and coordination point for services for all of our products

☎ +49(0)2191/792-355
FAX +49(0)2191/792-523
e-mail service-center@hazet.de


So geht's
1. PDF-Formular vollständig ausfüllen und anschließend ausdrucken
2. Ausgedruckten Lieferschein der Ware beifügen
3. Ware sorgfältig verpacken, um Transportschäden zu vermeiden
4. Paket ausreichend frankiert an HAZET-WERK • Remscheid verschicken
Fragen: ☎: 02191 792-355 • FAX: 02191 792-523 • e-m: service-center@hazet.de
HAZET
Geniales Werkzeug
Für zügige Reklamationsbearbeitung bitte vollständig ausfüllen:
Firma
Name
Straße
PLZ/Ort
Telefon
Telefax
eMail
HAZET-WERK
Service-Center
Güldenwerther Bahnhofstraße 25 - 29
42857 Remscheid
Lieferschein-Nr.:
Datum:
Rechnungsempfänger:
Warenrücksendung an:
Durch HAZET Service-Center auszufüllen
Eingangsdatum:
Meldungsnummer
Sehr geehrte Damen und Herren,
anbei erhalten Sie folgende Werkzeuge zur Reklamation:
Anzahl Artikel-Nr. Seriennummer *) Reklamationsgrund
Ort/Datum, Unterschrift und Firmenstempel
*) Die Seriennummer ist für Hersteller gilt für die Produkte Drehmoment-Schlüssel, Pneumatik-Werkzeuge, Federspanner (4900) und Exzenterpresse

- In our specially equipped Service Centre, you can receive the best aftersales service with short response times and the complete HAZET competence.
- Mainly the HAZET Service Centre provides you with the following services:
  - Repair, adjustment, calibration and certification of HAZET torque wrenches
  - All service tasks on HAZET torque wrenches, pneumatic tools, tool trolleys and the rest of the catalogue programme
  - Short response times
  - Contact partner in service matters



Made in Germany

Components and spare parts from page 482 to 490

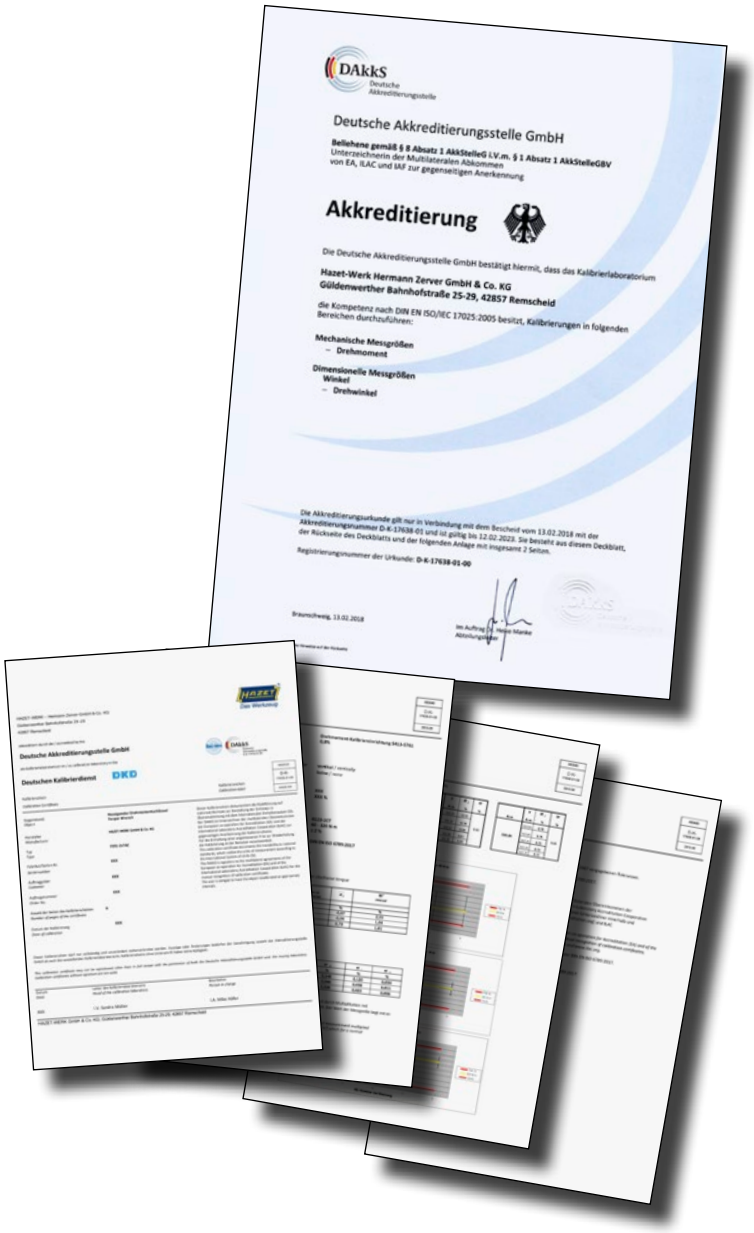
HAZET – Competence for calibration of torque and rotation angles

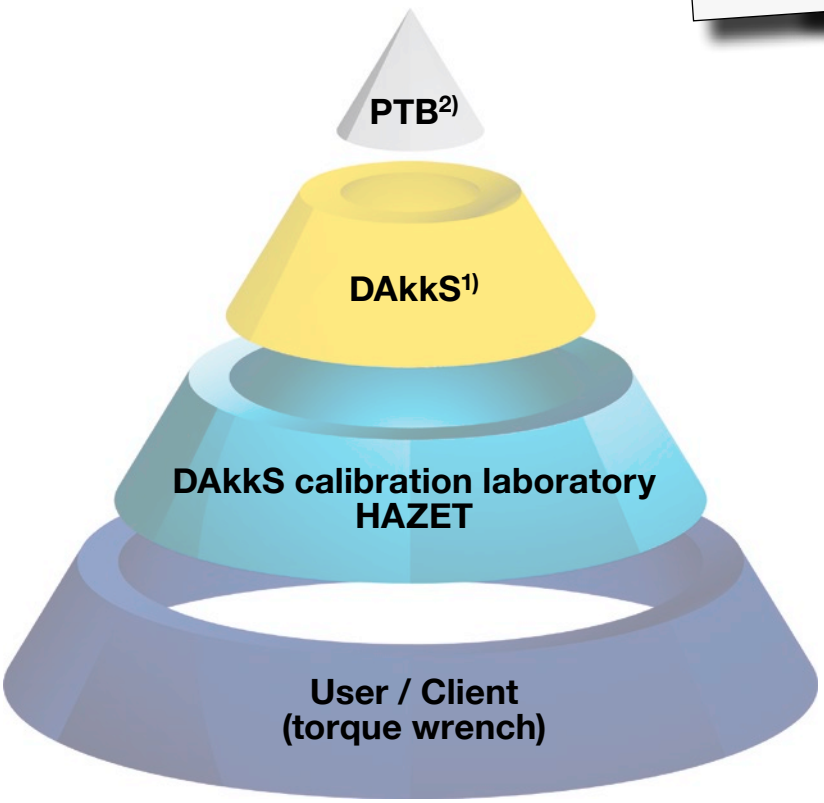
Accredited according to DIN EN ISO/IEC 17025 for measured values:
- Torque (DIN EN ISO 6789-2:2017)
- Rotation angle (VDI/VDE 2648 page 2; without item 4.2)

Complies with special demands of ISO/TS 16949 for calibration laboratories
(mandatory requirement for all suppliers of the automotive industry)

HAZET-owned calibration laboratory guarantees optimal technical **calibration competence** by **accreditation**

Authorised to issue **calibration certificates**





ilac-MRA

DAkkS Deutsche Akkreditierungsstelle D-K-17638-01-00

1) DAkkS: Deutsche Akkreditierungsstelle GmbH (Nat. accreditation body for the Federal Republic of Germany, Berlin)

2) PTB: Physikalisch Technische Bundesanstalt (PTB is the national metrology institute providing scientific and technical services)

Components and spare parts from page 482 to 490

DAkkS calibration laboratory

Competence for calibration of torque and rotation angles

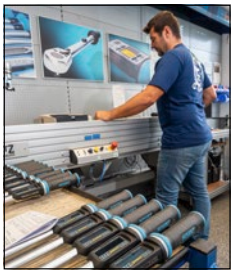


Deutsche Akkreditierungsstelle
D-K-17638-01-00

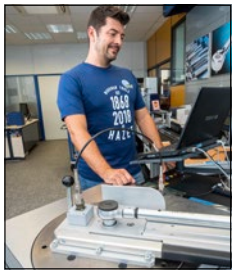


Do you know?

- Accredited according to DIN EN ISO/IEC 17025 for measured values:
  - **Torque** (DIN EN ISO 6789-2:2017)
  - **Rotation angle** (VDI/VDE 2648 page 2; without item 4.2)
- Complies with special demands of ISO/TS 16949 for calibration laboratories
  (mandatory requirement for all suppliers of the automotive industry)
- HAZET-owned calibration laboratory guarantees optimal technical calibration competence by accreditation
- Authorised to issue calibration certificates









Wrenches with DAkkS calibration certificate

6106-1 CT CAL	6143-1 CT CAL	6290-1 CT CAL	7291-1 eTAC CAL	7280-2 sTAC CAL
6108-1 CT CAL	6144-1 CT CAL	6291-2 CT CAL	7292-1 eTAC CAL	7281-2 sTAC CAL
6109-2 CT CAL	6145-1 CT CAL	6291-1 CT CAL	7294-1 eTAC CAL	7290-2 sTAC CAL
6110-1 CT CAL	6150-1 CT CAL	6292-1 CT CAL	7291-2 eTAC CAL	7291-2 sTAC CAL
6111-1 CT CAL	6160-1 CT CAL	6293-1 CT CAL	7292-2 eTAC CAL	7292-2 sTAC CAL
6121-1 CT CAL	6280-1 CT CAL	6294-1 CT CAL	7294-2 eTAC CAL	7294-2 sTAC CAL
6122-1 CT CAL	6282-1 CT CAL	6295-1 CT CAL		7295-2 sTAC CAL
6123-1 CT CAL	6281-2 CT CAL			7250-2 sTAC CAL

- DAkkS calibration for existing wrenches now possible



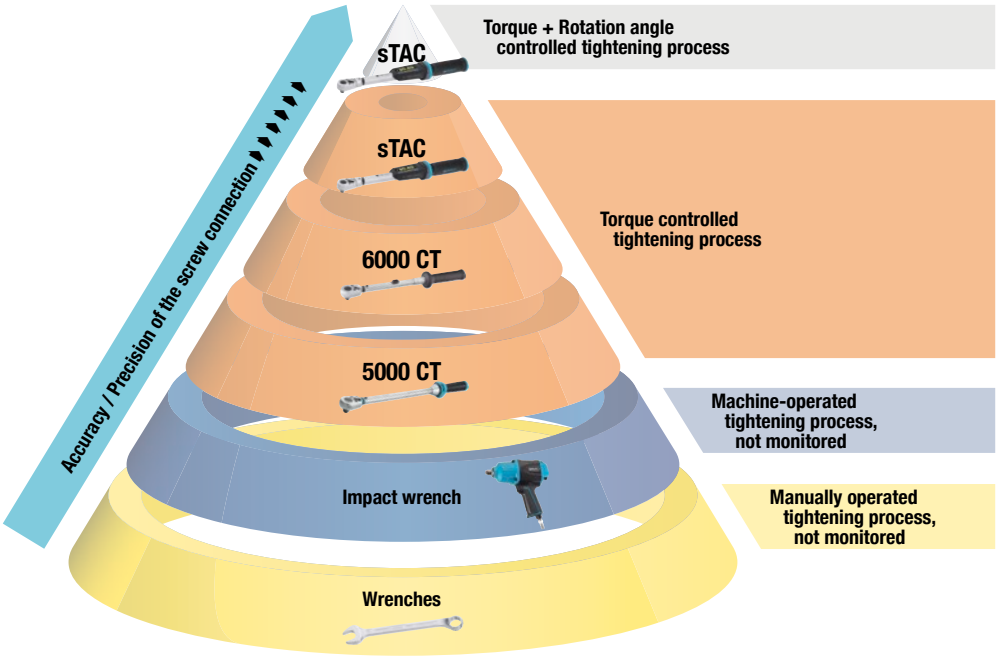
...with the highest safety for the professional user, especially for:

- Aviation industry
- Automobile industry
- New-energy, wind turbines, offshore wind farms
- Petrochemical industry (oil/gas)

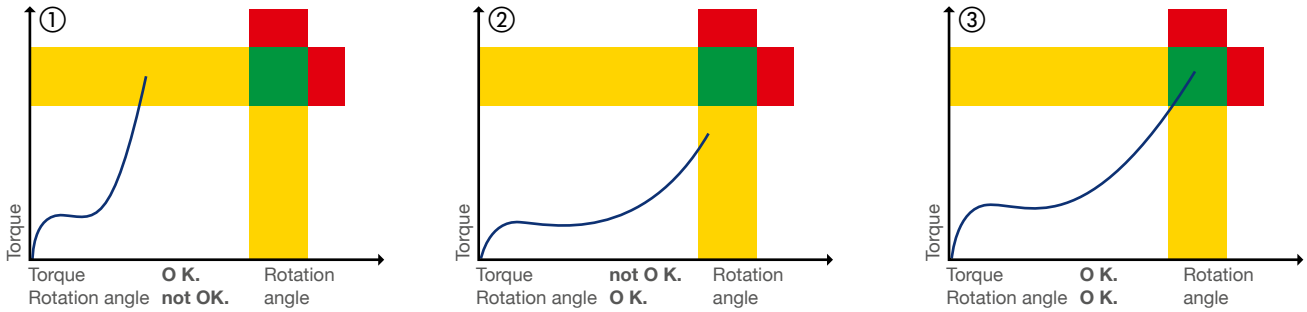
Documented traceability guarantees complete verifiability!

Components and spare parts from page 482 to 490

Increased screw connection quality through improvement in the screw tightening



The complete screw connection is only OK (Fig. ③) if the torque and rotation angle are both OK



Important: In particular for the joints using threaded fasteners of the category A (according to VDI guideline 2862), e.g. belt, airbag or rotor blades for wind energy plants!

Figure 1:
The torque is reached, but the rotation angle isn't. – Possible causes:

- Use of an incorrect screw that is too long.
- The component to be screwed is too thin, screw or nut is stuck in the end of the thread.
- The head and / or thread friction are too high because the surfaces are too rough and the screw has possibly "jammed", for example. The coating of the screw is not correct because a screw with a different coating was used or the coating is incomplete. There is not sufficient lubrication or an incorrect lubricant has been used.
- Screw or thread is damaged.
- Thread is incorrectly cut and not deep enough.
- There are chips from the thread cutting in the blind hole.
- A washer or a seal has been forgotten and the screw is in place.

Figure 2:
The rotation angle is reached, but the torque isn't. – Possible causes:

- Use of an incorrect screw that is too short and the thread has been ripped out.
- Use of an incorrect screw with insufficient strength.
- The head and / or thread friction are too low because the screw coating is incorrect. • Use of an incorrect screw.
- Use of an incorrect lubricant.
- The screw or the thread is damaged or the thread has been ripped out.
- Installation of an incorrect seal that is too soft.

Components and spare parts
from page 482 to 490

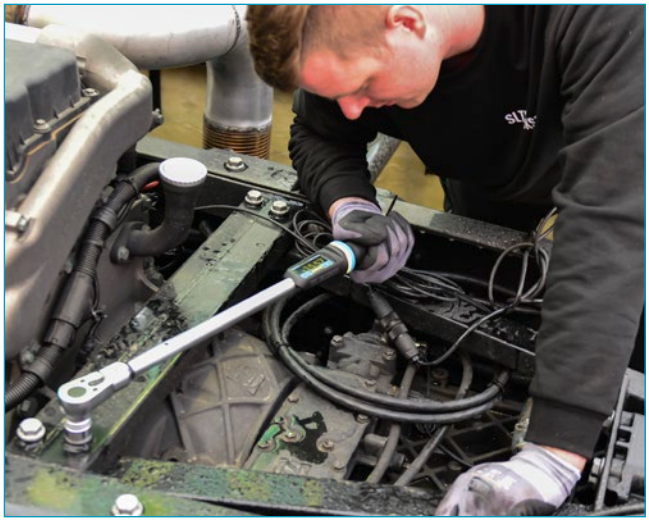
sTAC

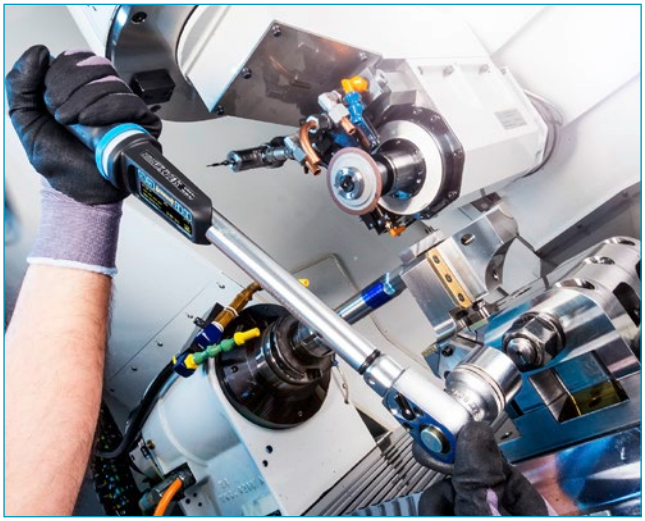
SYSTEM 7000 sTAC

Electronic torque wrench with built-in angle gauge for highly precisescrewing applications with Smart technology – Ready for Industry 4.0



Made in Germany



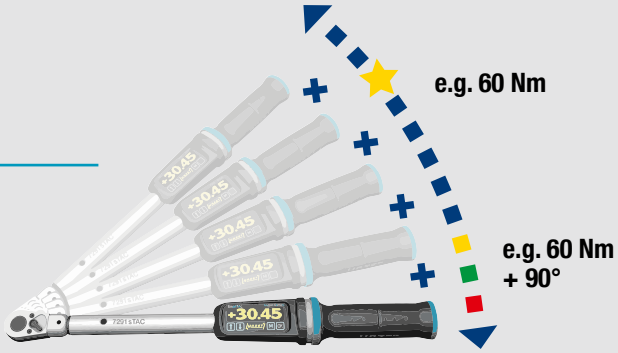


Components and spare parts from page 482 to 490

Torque

⊕ Rotation angle

⊖ One work step!



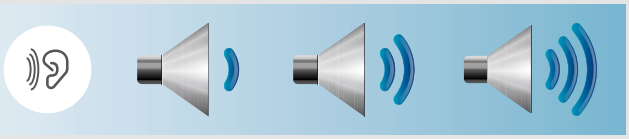
4 times signaling for optimal screwing progress monitoring

Type of signal

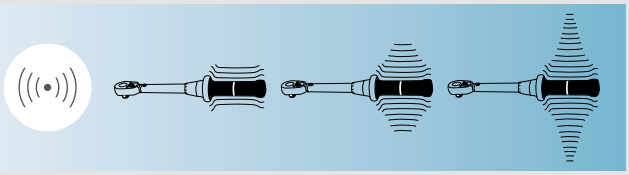
2 x Visual
synchronous numerical display
+ 360° LED display



⊕ **Audible**



⊕ **Vibration**



⊖ **4 times** proven screwing reliability according to the principle of HAZET!

⊖ **Threshold value** (pre-warning level) ✓ **OK** ✗ **not OK**



HAZET YouTube channel

Components and spare parts from page 482 to 490

SmartTAC SYSTEM 7000 sTAC

Electronic torque wrench with built-in angle gauge for highly precise screwing applications with Smart technology – Ready for Industry 4.0

HAZET Smart Technology consisting of SmartTAC app and Bluetooth 4.1 Low Energy Interface (product group 7000-2 sTAC – may be subject to national admission restrictions). Easy live data exchange for displaying the bolting process on mobile devices, such as smartphones (Smartwatch) and tablet PCs. USB-C interface for programming torque wrenches with built-in angle gauge and documenting the screwing data via laptop and PC with SmartTAC tool 7910-sTAC.
All sTAC torque wrenches with built-in angle gauges can also be used autonomously, without SmartTAC app.



SmartTAC Apps

available for:

DESKTOP PC ANDROID iOS



Bluetooth®

USB-C

Components and spare parts from page 482 to 490

Strong features

- For high-precision screw connections with torque/ rotation angle calling for high accuracy or mandatory documentation, e.g. engine components especially cylinder head bolts, machine construction with increased requirements (including robot technology etc.)
- **Unique ergonomic, user-oriented HAZET design of entire tool for professional use**
- **Protection rating IP 40,** Spray-water-proof display and membrane keyboard
- Tested in accordance with DIN EN ISO 6789-2:2017
- **USB-C interface** for programming torque wrenches with built-in angle gauge and for documenting the screwing data via laptop and PC with SmartTAC tool 7910-sTAC
- Including standard **replaceable Li ion rechargeable battery,** type 14650 / 3.7 Volt, can be charged directly on the tool via USB-C connector
- Including 1 metre USB 3.1 / A-C cable





Ergonomic HAZET design

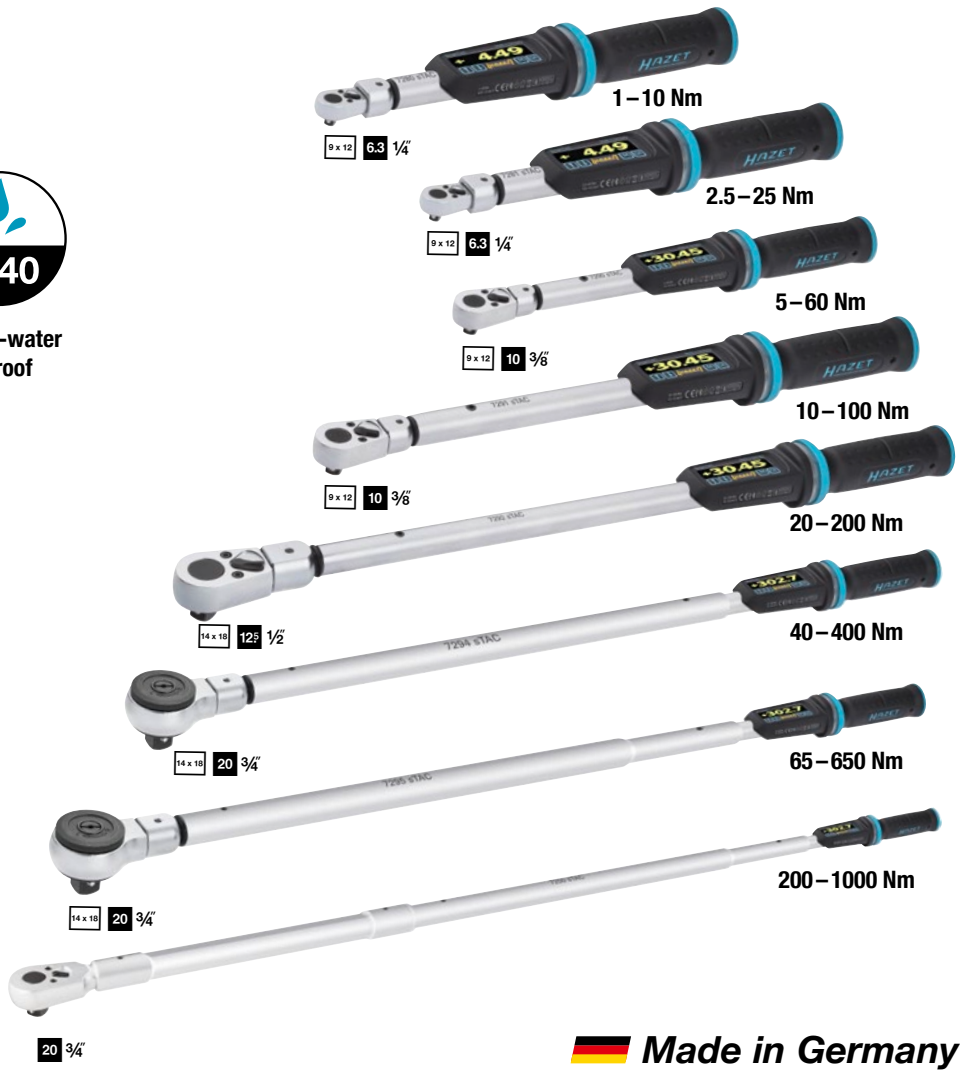


IP 40

Spray-water -proof



8 sizes for torque ranges of 1 – 1,000 Nm



Components and spare parts from page 482 to 490

Made in Germany

Torque wrenches SYSTEM 6000 CT

High-precision premium torque tools – For the highest demands!

- **Torque ranges: 1 – 2000 Nm**
- Accuracy ± 2% of the scale value (in direction of actuation) according to DIN EN ISO 6789-2:2017 (3%: 6150-1 CT, 6160-1 CT / 4%: 6106-1 CT, 6170-1 CT)
  Accuracy ± 3% of the scale value according to US standards:
  6114-1 CT up to 6132-1 CT
- Tested, with calibration certificate and serial number
- Knob for additionally locking the set value
- Square according to DIN 3120, ISO 1174-1
- Reversible ratchets 6.3 ¼″ 10 ⅜″ 12.5 ½″ 20 ¾″ 25 1″
- Ergonomically shaped
- Safety:
  – Haptic (close-gap release)
  – Audible (”click“ sound)
  – Optical (signal transmitter, depending on model)





– Safe in safe box with display window! –

Also available with DAkkS calibration certificate

...with the highest safety for the professional user, especially for:

- Aviation industry
- Automobile industry
- New-energy, wind turbines, offshore wind farms
- Petrochemical industry (oil/gas)

Documented traceability guarantees
Complete verifiability!

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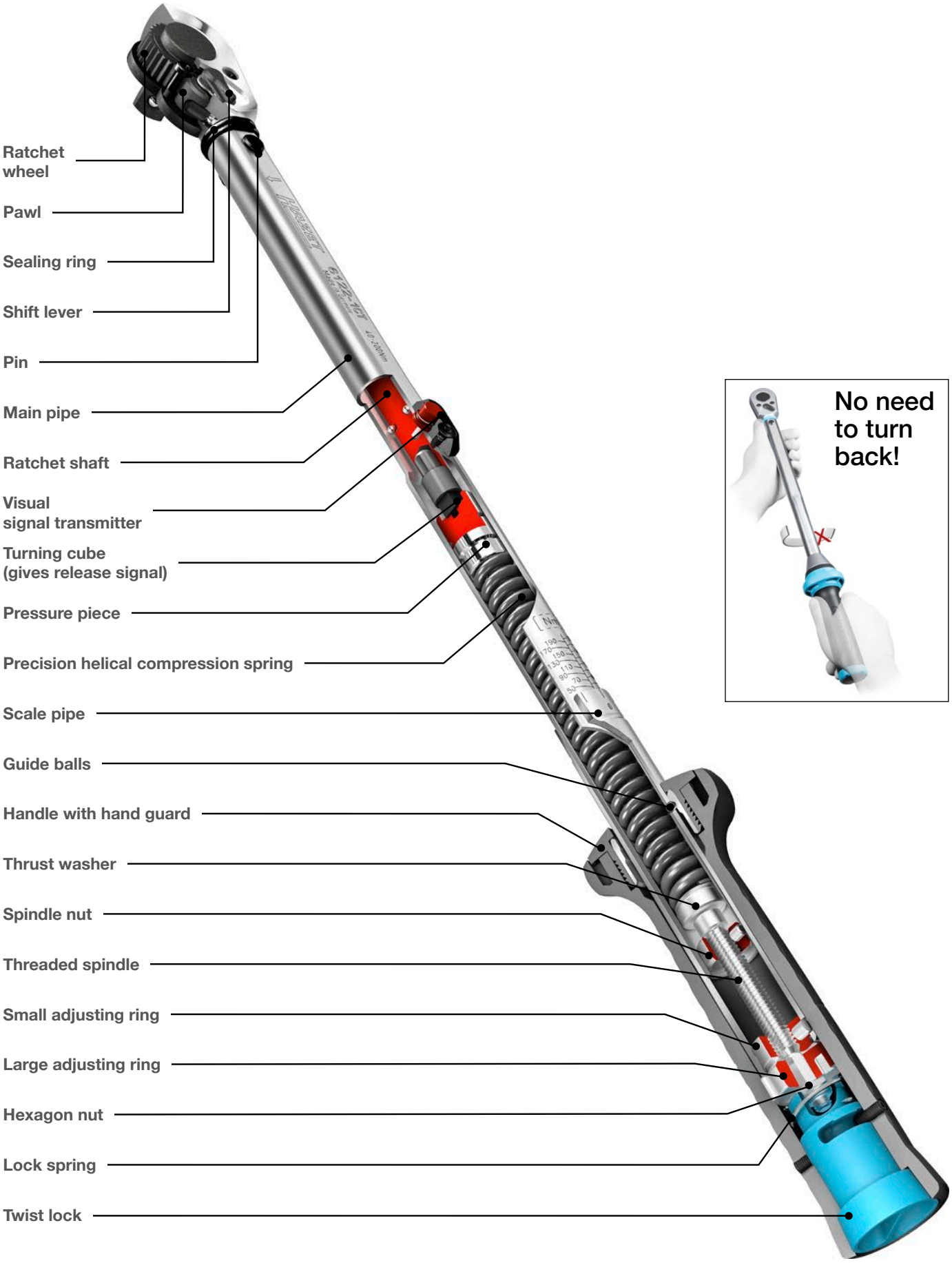
Components and spare parts from page 482 to 490

Quality through and through

Cutaway view of a HAZET torque wrench 6000 CT



Components and spare parts from page 482 to 490

Torque wrenches SYSTEM 5000-3 CT

Our workshop classics – well equipped for the future.

The third generation 5000-3 CT series

- Expanded measuring range of the series through increased market requirements **1 – 800 Nm**
- Square drive of reversible ratchets: 6.3 ¼" 10 ⅜" 12.5 ½" 20 ¾"
- **Accuracy ± 3%** of scale value (in direction of actuation) (5107-3 CT ± 4% release accuracy tolerance)
- Designed for rough workshop use
- Wider range of applications for controlled screw tightening in tyre service, bicycle, passenger car and commercial vehicle applications as well as various applications in trade and industry.
- Optimised sealing ring to protect optimally against debris
- Tested in accordance with DIN EN ISO 6789-2:2017
- Ratchet repair set for customer-oriented self-assembly enables decades of use
- Adjustment aid with detent points for optimised operator guidance ensures safe and fast adjustment of the desired torque value by turning the handle
- Can be attached to the cable loop through openings on the locking rotary assembly
- Integrated shift lever
- With calibration certificate and serial number
- Delivery in sturdy Hexa plastic box



HAZET YouTube channel

5000-3 CT presentation short version

HAZET YouTube channel

5000-3 CT presentation long version

DESIGN AWARD 2021

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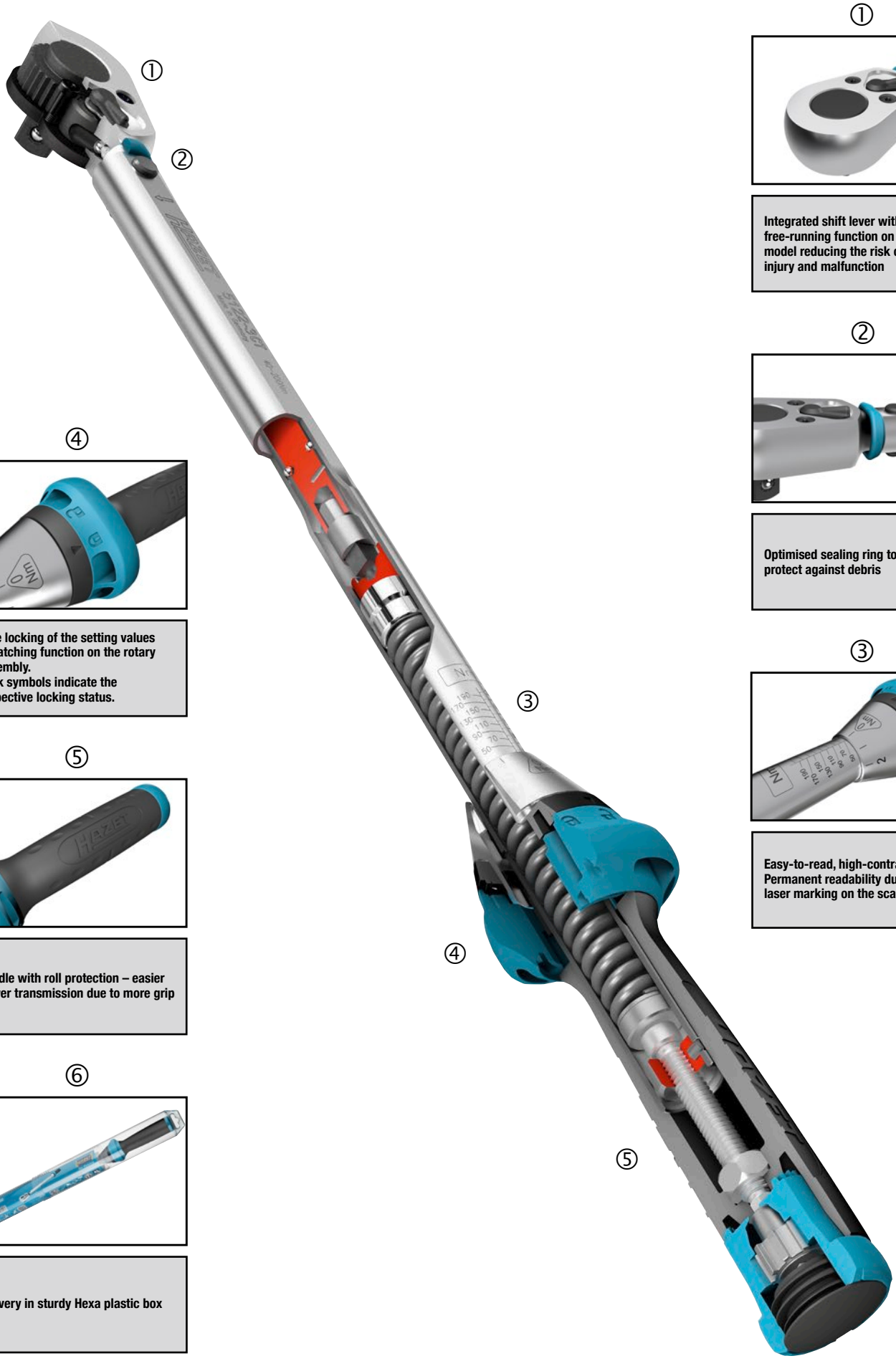
Errors excepted

Components and spare parts from page 482 to 490

Always the right tool for the right ”turn“ at the right ”moment“!



①

Integrated shift lever with free-running function on ½ model reducing the risk of injury and malfunction

②

Optimised sealing ring to protect against debris

③

Easy-to-read, high-contrast scale. Permanent readability due to laser marking on the scale bush

④

Safe locking of the setting values by latching function on the rotary assembly.
Lock symbols indicate the respective locking status.

⑤

Handle with roll protection – easier power transmission due to more grip

⑥

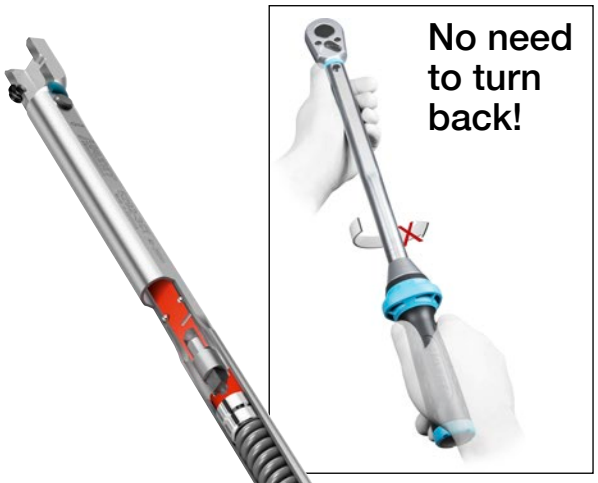
Delivery in sturdy Hexa plastic box

Components and spare parts from page 482 to 490

Insert torque wrenches

Universal in scope – with the best intentions

The use of over 100 insert tools allows any challenge to be mastered!



SYSTEM 5200-3 CT

- Torque ranges: 2.5–200 Nm
- **Accuracy ± 3% of scale value**
- Tested in accordance with DIN EN ISO 6789-2:2017
- With calibration certificate and serial number
- Handle of the 5000-3 CT series
  – Detent point for rapid adjustment of the torque value
  – Can be attached to the cable loop
- Insert square 9 x 12 or 14 x 18 to hold insert tools

SYSTEM 6200-1 CT

- Torque ranges: 2–500 Nm
- **Accuracy ± 2% of scale value**
- Tested in accordance with DIN EN ISO 6789-2:2017
- With calibration certificate and serial number
- All advantages of the 6000 CT series
- Insert square 9 x 12 or 14 x 18 to hold insert tools



SYSTEM 6300

- With permanently adjustable value – especially suitable**for application in industrial series production**
- Without setting scale and signal transmitter
- **Repeat accuracy after 5,000 tightening operations ± 2%** (6391-10 ± 6%)
- Automatic close-gap release – reaching the set value is signaled palpably and audibly
- Adjusting the desired torque value with adjustment wrench 6399 together with torque tester – e.g. HAZET 7901 E, 7902 E or 7903 E Unauthorised adjustment is thereby prevented
- Torque ranges: 1–320 Nm
- Tested in accordance with DIN EN ISO 6789-2:2017
- With calibration certificate and serial number
- Insert square 9 x 12 or 14 x 18 to hold insert tools



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Components and spare parts from page 482 to 490

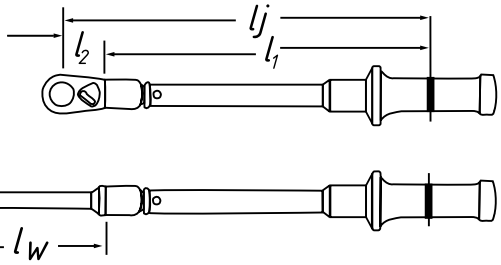
Insert tools



Data for effective length of torque wrenches with (different) insert tools

MDE = Torque to be selected
MDV = Prescribed torque
l_j = Standard length adjustment with adjusting tool
l_1 = Effective torque wrench length
l_2 = Gauge dimension of adjusting tool
l_w = Gauge dimension of extended insert tool holder

$$MDE = \frac{(l_1 + l_2) \times MDV}{l_1 + l_w}$$



Formula: Torque correction factor for change in effective length

HAZET torque wrenches are adjusted/calibrated with the "l_2 insert dimensions".
If other insert tools are used, then the formula must be observed.

Dimensions of the various HAZET torque wrenches:

HAZET No.	l_1 mm	Adjusted with HAZET No.	l_2 mm
5280-3 CT	172	6401-1(S)	19,5
5290-3 CT	245	6402-1(S)	30
5292-3 CT	422	6404-1(S)	38,5
6280-1 CT	140	6401-1 (S)	19,5
6281-2 CT	99	6401 N	17,5
6282-1 CT	200	6401-1 (S)	19,5

HAZET No.	l_1 mm	Adjusted with HAZET No.	l_2 mm
6290-1 CT	245	6402-1 (S)	30
6291-1 CT	330	6404-1 (S)	38,5
6291-2 CT	312	6402-1 (S)	30
6292-1 CT	432	6404-1 (S)	38,5
6293-1 CT	547	6404-1 (S)	38,5
6294-1 CT	649.2	6406	44
6295-1 CT	893.2	6406	44

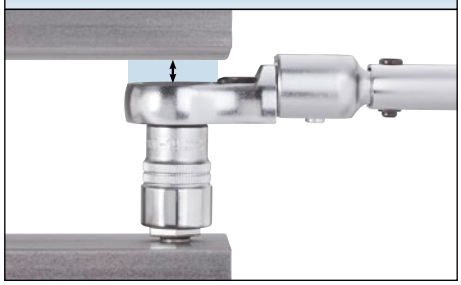
HAZET No.	l_1 mm
6391-10 (V)	102
6391-12 (V)	102
6391-25 (V)	143
6391-35 (V)	143

HAZET No.	l_1 mm
6391- 50 (V)	201
6391- 85 (V)	276
6392-200 (V)	359
6392-320 (V)	589

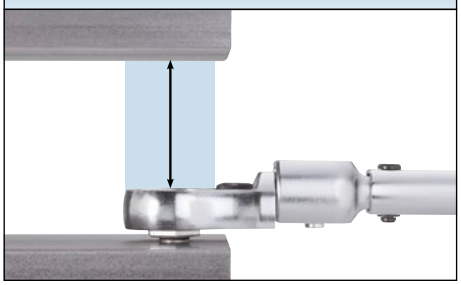
Conventional application



Insert reversible ratchet 6602-1 · 6604-1



Ratcheting insert box-end wrench 6606 D



Torque screwdriver

Fine feeling – for the smallest of torque values

- Application with standard 6.3 ¼" bits (e.g. HAZET 2204 to 2225) as well as by using the 2304 adapter with 6.3 ¼" sockets
- Torque ranges: 0.1–6 Nm
- Accuracy (of scale value) ± 5% (6002 CT and 6003 CT) or ±6–10% for 6001 series





Components and spare parts from page 482 to 490

Torque wrenches SYSTEM 5000 CLT, Click-Lens-Type

The "Classic Workshop Tool", easy to read

- **Torque ranges: 20–320 Nm**
- Click-Lens-Type (CLT) with value readout in the display guarantees security for the user
- Release accuracy tolerance (in direction of actuation) ± 4% of the scale value according to DIN EN ISO 6789-2:2017
- Torque release
  – palpable – by automatic close-gap release
  – audible – by "click" sound

With serial number and calibration certificate





① **User-friendly reversible ratchet**
Service friendly (do-it-yourself repair sets for ratchets available)
No risk of losing the square like there is with the wrench

② **Integrated shift lever with free-running function on 12.5 ½" model reducing the risk of injury and malfunction**

③ **Hard chrome-plated steel tube – slim, but very sturdy and wear-resistant**

④ **Ergonomically shaped handle with collar reducing the risk of slipping-off and injury**
Safe and fast adjustment of the desired torque value by turning the handle

⑤ **Safe locking at the handle**

⑥ **Click-Lens-Type (CLT)**
- **Safe and exact adjustment of the desired release torque. Optimal and easy reading of the torque value**
- **Three large digits for an easy-to-read torque setting**
- **Large convex display (replaceable) prevents reading errors**

Awarded with the

if design award 2005

– Safe in safe box with display window! –

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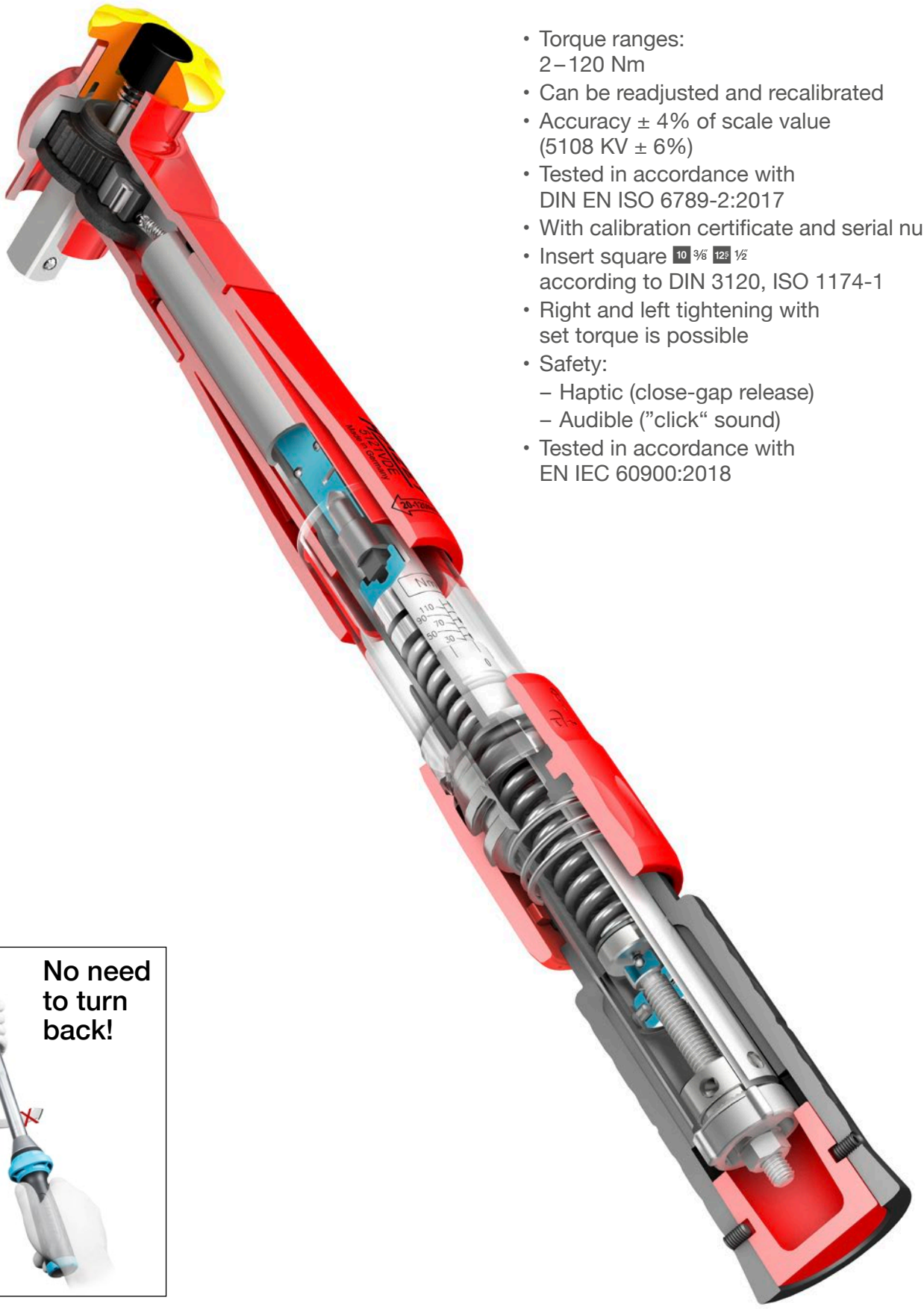
Components and spare parts from page 482 to 490

Torque wrench SYSTEM 5000 KV

With protective insulation – for safe application up to 1000 volts



- Torque ranges:
  2 – 120 Nm
- Can be readjusted and recalibrated
- Accuracy ± 4% of scale value
  (5108 KV ± 6%)
- Tested in accordance with
  DIN EN ISO 6789-2:2017
- With calibration certificate and serial number
- Insert square 10 3/8" 12.5 1/2"
  according to DIN 3120, ISO 1174-1
- Right and left tightening with
  set torque is possible
- Safety:
  – Haptic (close-gap release)
  – Audible (”click“ sound)
- Tested in accordance with
  EN IEC 60900:2018

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Components and spare parts
from page 482 to 490

Conversion

Conversion factors of torque values

Conversion formula:
Given unit x factor = Desired unit

Example:
Conversion from: 20 lbf.ft to Nm
20 x 1.356 = 27.12 Nm

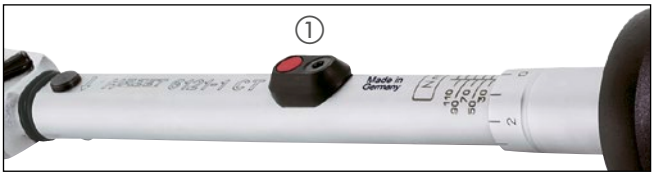
Given unit	Desired unit						
	mNm	cNm	Nm	kpm	ozf.in	lbf.in	lbf.ft
1 mNm	1	0.1	0.001	0.0001	0.142	0.009	0.0007
1 cNm	10	1	0.01	0.001	1.416	0.088	0.007
1 Nm	1000	100	1	0.102	141.6	8.851	0.738
1 kpm	9807	980.7	9.807	1	1389	86.8	7.233
1 ozf.in	7.062	0.706	0.007	0.0007	1	0.0625	0.005
1 lbf.in	113	11.3	0.113	0.0115	16	1	0.083
1 lbf.ft	1356	135.6	1.356	0.138	192	12	1

Design and Function

- In action, a HAZET torque wrench signals when it has attained the set torque
  - audibly by clicking,
  - palpably by automatic close-gap release
  - visibly by the red signal transmitter jutting out ① (depending on model)
- Then the working procedure must be stopped immediately!
- The greater the set torque, the stronger the audible and palpable signals.

Pipes hardened and hard chrome-plated

- Optimised: weight / wall thickness
- Robust and protected surface

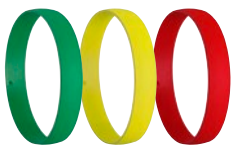


Coding rings application example:

(6132-1 CT – 6170-1 CT and 6294-1 CT – 6295-1 CT)

- **Fast detection of individually set Nm ranges,** e.g green = always 250 Nm
- **Recognition of particular departments, work areas or people**
  e.g. red = maintenance/repair department
- **Fast identification the various torque wrenches**
  e.g. Yellow = HAZET 6160-1CT (2 pieces);
  Red = HAZET 6170-1CT (3 pieces)
- **Clear allocation of defined work,** e.g tools marked with red = work 1,
  Tools marked with green = work 2





3 coloured coding rings for personalisation or identifying workflows

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Functionality of torque wrench handles

(6132-1 CT – 6170-1 CT and 6294-1 CT – 6295-1 CT)

- Unlocking
- Slide the handle forward approximately 8 mm and gently turn it in the desired direction
- After engaging the handle, continue turning it to the desired torque (without pressing)
- Turn the handle back a little bit
- Locking



Twist lock

● = Ready to be set / NOT usable
(Setting not complete)





Twist lock

● = Ready for work / usable



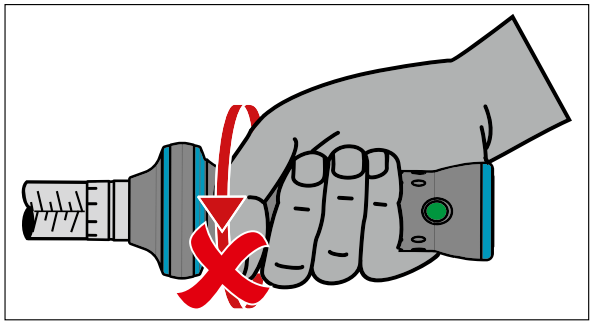


ATTENTION: Twist lock = RED – do not use, unintended torque variation is possible!

Product group	Unlocking	Setting	Locking
5000 VDE	Retracting the locking sleeve	Turn handle until the desired value is reached on the scale	Releasing the locking sleeve
5000-3 CT	Turn rotary assembly to the left	Turn handle until the desired value is reached on the scale	Turn rotary assembly to the right
5000 CLT	Turn lock to the right	Push handle forwards and turn until the desired value is reached in the viewing window	Turn lock to the left
6106-1 CT – 6109-2 CT	Retracting the locking sleeve	Turn handle until the desired value is reached on the scale	Releasing the locking sleeve
6110-1CT – 6170-1 CT	Turn lock to the right	Push handle forwards and turn until the desired value is reached on the scale	Turn lock to the left
6280-1 CT – 6281-2 CT	Retracting the locking sleeve	Turn handle until the desired value is reached on the scale	Releasing the locking sleeve
6290-1 CT – 6295-1 CT	Turn lock to the right	Push handle forwards and turn until the desired value is reached on the scale	Turn lock to the left

No need to turn back

Continuous long-term tests on the 5000 series and 6000 series of HAZET torque wrenches have demonstrated that turning them back to the smallest scale value is not required



Components and spare parts
from page 482 to 490



Tightening torque for DIN 912 screws according to strength classes for coarse thread

Dimension	Wrench size	Insert tools			Pre-loading force (kN)						Tightening torque (Nm)					
					Strength class						Strength class					
					4.6	5.6	6.8	8.8	10.9	12.9	4.6	5.6	6.8	8.8	10.9	12.9
M 2x0,40	4	–	–	–	0,338	0,422	0,675	0,901	1,267	1,52	0,13	0,163	0,261	0,348	0,489	0,587
M 3x0,50	5,5	–	–	–	0,845	1,056	1,689	2,253	3,168	3,801	0,48	0,6	0,961	1,281	1,801	2,161
M 4x0,70	7	9x12	–	–	1,463	1,829	2,927	3,902	5,487	6,585	1,115	1,393	2,229	2,972	4,18	5,016
M 5x0,80	8	9x12	–	–	2,395	2,994	4,79	6,387	8,982	10,778	2,261	2,827	4,523	6,03	8,48	10,176
M 6x1,00	10	9x12	–	–	3,379	4,224	6,758	9,011	12,671	15,205	3,843	4,803	7,685	10,247	14,41	17,292
M 8x1,25	13	9x12	14x18	–	6,202	7,753	12,404	16,539	23,258	27,909	9,349	11,686	18,698	24,931	35,059	42,07
M 10x1,50	17	9x12	14x18	–	9,876	12,345	19,752	26,336	37,034	44,441	18,54	23,18	37,09	49,45	69,54	83,44
M 12x1,75	19	9x12	14x18	–	14,4	18	28,801	38,401	54,001	64,801	32,37	40,46	64,74	86,32	121,38	145,66
M 14x2,00	22	–	14x18	–	19,775	24,719	39,551	52,734	74,158	88,989	51,77	64,71	103,54	138,06	194,14	232,97
M 16x2,00	24	–	14x18	–	27,221	34,027	54,443	72,591	102,08	122,497	80,62	100,77	161,24	214,98	302,32	362,78
M 18x2,50	27	–	14x18	–	33,078	41,347	66,155	88,207	124,041	148,85	111,09	138,86	222,17	296,23	416,58	499,89
M 20x2,50	30	–	14x18	–	42,534	53,167	85,067	113,423	159,501	191,401	157,46	196,82	314,91	419,88	590,46	708,55
M 22x2,50	32	–	14x18	21/26	53,175	66,469	106,35	141,8	199,406	239,288	215,1	268,9	430,2	573,7	806,7	968
M 24x3,00	36	–	14x18	21/26	61,248	76,56	122,497	163,329	229,681	275,617	272,1	340,1	544,2	725,6	1020,3	1224,4
M 27x3,00	41	–	14x18	21/26	80,67	100,837	161,339	215,119	302,512	363,014	399,9	499,9	799,9	1066,5	1499,7	1799,7
M 30x3,50	46	–	–	21/26	98,027	122,533	196,054	261,405	367,6	441,12	541,7	677,2	1083,4	1444,6	2031,5	2437,7
M 33x3,50	50	–	–	–	122,241	152,801	244,482	325,976	458,404	550,084	738,5	923,2	1477,1	1969,4	2769,5	3323,4
M 36x4,00	55	–	–	–	143,413	179,266	286,826	382,434	537,798	645,358	948	1185	1896	2528	3555	4265,9
M 39x4,00	60	–	–	–	172,42	215,525	344,839	459,786	646,574	775,888	1229	1536	2457	3276	4607	5529
M 42x4,50	65	–	–	–	197,407	246,758	394,813	526,417	740,275	888,329	1519	1899	3038	4050	5696	6835
M 45x4,50	70	–	–	–	231,206	289,007	462,412	616,549	867,022	1040,426	1898	2373	3796	5062	7118	8541
M 48x5,00	75	–	–	–	280,008	325,01	520,015	693,354	975,029	1170,035	2282	2853	4565	6086	8559	10271
M 52x5,00	80	–	–	–	312,056	390,07	624,112	832,149	1170,209	1404,251	2954	3692	5907	7876	11076	13292
M 56x5,50	85	–	–	–	359,843	449,804	719,689	959,581	1349,411	1619,293	3672	4591	7345	9793	13772	16526
M 60x5,50	90	–	–	–	420,651	525,813	841,301	1121,735	1577,44	1892,928	4582	5728	9164	12219	17183	20619
M 64x6,00	95	–	–	–	475,86	594,825	951,72	1268,96	1784,476	2141,371	5536	6920	11071	14762	20759	24911
M 68x6,00	100	–	–	–	545,427	681,784	1090,855	1454,473	2045,353	2454,423	6720	8400	13440	17919	25199	30239

Tightening torque for DIN 912 screws according to strength classes for fine pitch thread

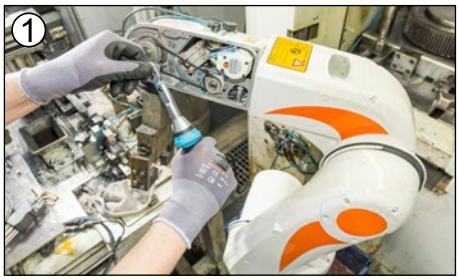
Dimension	Wrench size	Insert tools			Pre-loading force (kN)						Tightening torque (Nm)					
					Strength class						Strength class					
					4.6	5.6	6.8	8.8	10.9	12.9	4.6	5.6	6.8	8.8	10.9	12.9
M 8x1,00	13	9x12	14x18	–	6,805	8,507	13,611	18,148	25,52	30,624	10,08	12,6	20,15	26,87	37,79	45,35
M 10x1,25	17	9x12	14x18	–	11,418	14,272	22,835	30,447	42,816	51,379	20,83	26,04	41,66	55,55	78,11	93,73
M 12x1,50	19	9x12	14x18	–	15,312	19,14	30,624	40,832	57,42	68,904	34,01	42,51	68,02	90,69	127,54	153,05
M 14x1,50	22	–	14x18	–	21,934	27,418	43,868	58,491	82,253	98,703	56,25	70,32	112,51	150,01	210,96	253,15
M 16x1,50	24	–	14x18	–	29,741	37,177	59,483	79,31	111,53	133,836	86,5	108,12	172,99	230,66	324,36	389,23
M 18x1,50	27	–	14x18	–	38,733	48,417	77,467	103,289	145,25	174,3	125,95	157,44	251,91	335,88	472,33	566,8
M 20x1,50	30	–	14x18	–	48,91	61,138	97,82	130,427	183,413	220,096	175,9	219,8	351,7	468,9	659,4	791,3
M 22x1,50	32	–	14x18	21/26	60,272	75,34	120,543	160,724	226,019	271,223	237,4	296,8	474,8	633,1	890,3	890,3
M 24x2,00	36	–	14x18	21/26	72,818	91,022	145,635	194,18	273,066	327,68	311,8	389,8	623,7	831,6	1169,4	1403,3

The specified tightening torques are guide values
All information subject to change

Components and spare parts
from page 482 to 490

Adjustment/calibration

- A HAZET torque wrench should be checked and readjusted regularly. This is recommended after approx. 5,000 screw operations (but no later than after twelve months).
- The time gap between test dates is dependent on the frequency of use. A HAZET torque tester is suitable for this.
- If a suitable torque tester with click point detection is not available, we will accept the HAZET torque wrench via your HAZET specialist dealer for inspection and adjustment at the facility.
- After testing and possible adjustment, the torque wrenches and torque testers sent to HAZET are given back to you with a test certificate.













HAZET SERVICE for torque wrenches and pneumatic tools

All HAZET torque tools and pneumatic tools are serviceable! Along with repairs, we offer factory tests through to calibration in our own DAkkS calibration laboratory for torque wrenches in the HAZET Service Center. Your local HAZET partner will be happy to advise you on all the services provided by the HAZET Service Center as well as local on-site services.

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Components and spare parts
from page 482 to 490

SYSTEM 5000 CT

Torque wrench, with protective insulation

See chapter Tools with protective insulation / Tools for electricians page 260



5000-3 CT Torque wrench SYSTEM 5000-3 CT (with reversible ratchet) · ±3% accuracy · 5107-3 CT 4% · 1–800 Nm

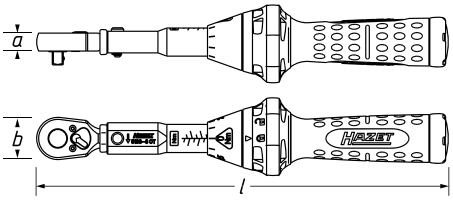
Made in Germany

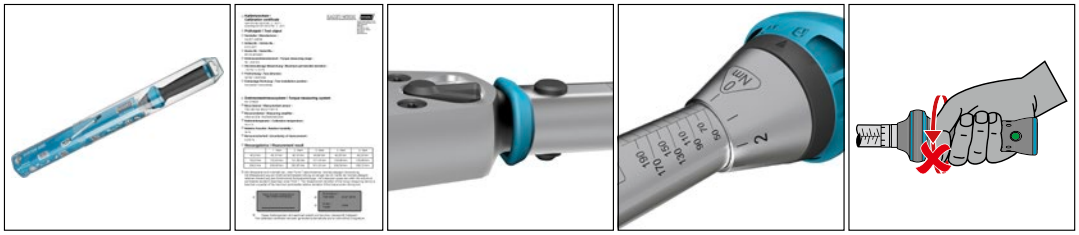
- **User-friendly reversible ratchet**



- **Accuracy ± 3 % of scale value** (in direction of actuation) (5107-3 CT ± 4 % accuracy of scale value)
- Safety:
  – Haptic (close-gap release)
  – Audible (”click“ sound)
- Designed for rough workshop use
- Wide range of applications for controlled screw tightening in tyre service, bicycle, passenger car and commercial vehicle applications as well as various applications in trade and industry.
- Optimised sealing ring to protect against debris
- Ratchet repair set for customer-oriented self-assembly enables decades of use
- Handle with better grip for easier power transmission
- Adjustment aid with detent points for optimised operator guidance ensures safe and fast adjustment of the desired torque value by turning the handle
- Safe locking of the setting values by latching function on the rotary assembly
- Rotary assembly in triangular form prevents uncontrolled rolling
- Lock symbols indicate the respective locking status.
- Can be attached to the cable loop through openings on the locking rotary assembly
- Easy-to-read, high-contrast scale
- Permanent readability due to laser marking on the scale bush
- Integrated shift lever
  5121-3 CT – 5123-3 CT: shift level with idle function – reduces risk of injury and malfunction
- With calibration certificate and serial number
- Delivery in sturdy Hexa plastic box
- DIN 3120, ISO 1174-1, DIN EN ISO 6789-2:2017

YouTube Clip YouTube Clip





HAZET No.	Output	l mm	a mm	b mm	Release accuracy tolerance %	Nm	Nm		EAN-No. 4000896+
• Perfect for working on motorcycles, bicycles and tyre pressure control systems									
5107-3 CT	■ 6.3 = ¼″	234	10.2	24	4	1–9	0.1	0.6–5.5	218875
• Perfect for working on motorcycles and bicycles									
5108-3 CT	■ 6.3 = ¼″	234	10.2	24	3	2.5–25	0.25	1.4–15.3	218882
5110-3 CT	■ 10 = ⅜″	320	14.5	32	3	10–60	0.5	3.9–25.0	218899
• Extra short design – particularly compact • Specifically also for commercial vehicles									
5120-3 CT	■ 12.5 = ½″	320	14.5	32	3	10–60	0.5	3.9–25.0	218905
• Slim ratchet head – ideally suitable for application on motorcycles									
5111-3 CT	■ 10 = ⅜″	375	14.5	32	3	20–120	1	6.9–43.5	235384
5121-3 CT	■ 12.5 = ½″	421	19.6	44	3	20–120	1	6.1–38.0	218912
5122-3 CT	■ 12.5 = ½″	519	19.6	44	3	40–200	1	9.4–49.5	219001
5123-3 CT	■ 12.5 = ½″	628	19.6	44	3	60–320	2	11.3–62.2	218998
• For applications with high torques – **Axle central screws** in **FIAT** Ducato · **MERCEDES-BENZ** Sprinter – **Wheel bearings** in e.g. **OPEL/VAUXHALL** Movano · **PEUGEOT** Boxer – **Bearing blocks** in agricultural machinery and gear blocks in commercial vehicles • Thanks to the possibility of using 12.5 mm (½″) sockets/extensions, torque-controlled screw connections of 100 to 400 Nm can now also be operated in all manual and industrial production areas, e.g. with threads of M12 to M16 (property class 12.9) or M16 to M24 (property class 5.6) with restricted access, e.g. for flange or machine screw connections									
5143-3 CT	■ 12.5 = ½″	790	28.5	64	3	100–400	2.5	14.8–60.3	235407
5145-3 CT	■ 20 = ¾″	1271	28.5	64	3	300–800	2.5	26.2–71.0	218929

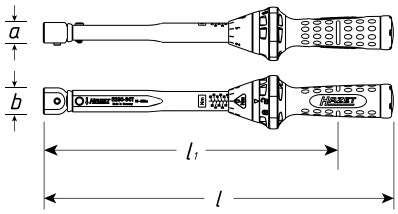
5200-3 CT Torque wrench · SYSTEM 5200-3 CT (with insert square) · ± 3% accuracy · 10–200 Nm

Made in Germany

- **Plug-and-socket connection to hold insert tools**

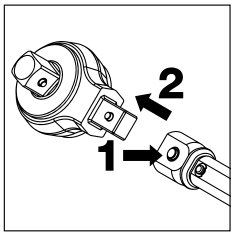
- **Accuracy ± 3% of scale value** (in direction of actuation)
- Safety:
  – Haptic (close-gap release)
  – Audible (“click” sound)
- Designed for rough workshop use
- Wide range of applications for controlled screw tightening in tyre service, bicycle, passenger car and commercial vehicle applications as well as various applications in trade and industry
- Optimised sealing ring to protect against debris
- Handle with better grip for easier power transmission
- Adjustment aid with detent points for optimised operator guidance ensures safe and fast adjustment of the desired torque value by turning the handle
- Safe locking of the setting values by latching function on the rotary assembly
- Rotary assembly in triangular form prevents uncontrolled rolling
- Lock symbols indicate the respective locking status
- Can be attached to the cable loop through openings on the locking rotary assembly
- Easy-to-read, high-contrast scale
- Permanent readability due to laser marking on the scale bush
- Tested in accordance with DIN EN ISO 6789-2:2017
- With calibration certificate and serial number
- Delivery in sturdy Hexa plastic box
- DIN EN ISO 6789-2:2017

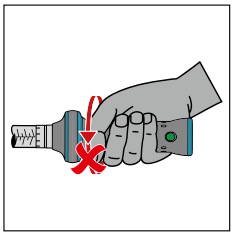




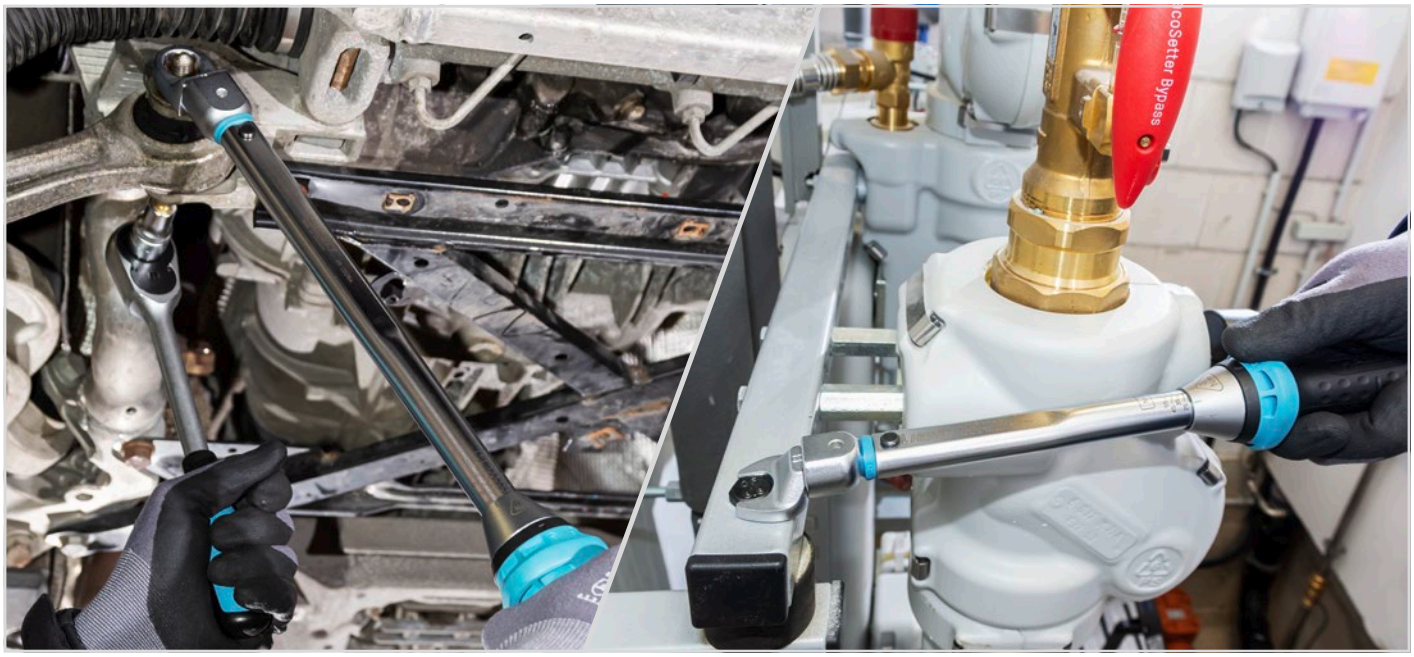
YouTube Clip







HAZET No.	Output	l mm	l_1 mm	a mm	b mm	Release accuracy tolerance %	Nm	Nm	kg	EAN-No. 4000896+
5280-3 CT	□ 9 x 12	218	172	17	22	3	2.5–25	0.25	1.3–14.3	239290
5290-3 CT	□ 9 x 12	291	245	17	22	3	10–60	0.5	3.7–23.4	228904
5292-3 CT	□ 14 x 18	484	422	23	30	3	40–200	1	8.9–46.6	228911



Components and spare parts
from page 482 to 490

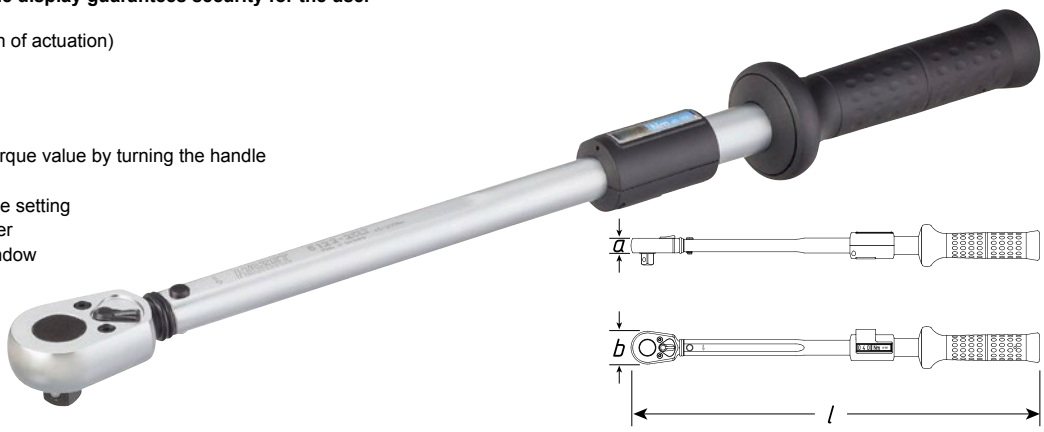
SYSTEM 5000 CLT

5000 CLT Torque wrench · SYSTEM 5000 CLT · ± 4% accuracy · 20–320 Nm

Made in Germany

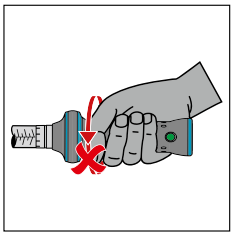
E 12.5 1/2"

- **Click-Lens-Type with value readout in the display guarantees security for the user**
- **± 4 % accuracy of scale value** (in direction of actuation)
- Safety:
  – Haptic (close-gap release)
  – Audible ("click" sound)
- Reversible ratchet
- Easy and safe adjustment of the desired torque value by turning the handle
- Knob for additionally locking the set value
- Three large digits for an easy-to-read torque setting
- With calibration certificate and serial number
- Secure storage in safe box with display window
- Surface: hard chrome plated
- DIN EN ISO 6789-2:2017, DIN 3120, ISO 1174-1







HAZET No.	Output	l mm	a mm	b mm	Release accuracy tolerance %	Nm	Nm	kg	EAN-No. 4000896+
5121-2 CLT	■ 12.5 = ½"	435	19.6	44	4	20–120	1	5.9–37.0	104215
5122-2 CLT	■ 12.5 = ½"	545	19.6	44	4	40–200	1	9.0–47.4	104192
5123-2 CLT	■ 12.5 = ½"	660	19.6	44	4	60–320	2	10.8–59.4	104222

SYSTEM 6000 CT

6000-1 CT Torque wrench · SYSTEM 6000 CT · ± 2% accuracy · 6106-1 CT 4% · 1–40 Nm

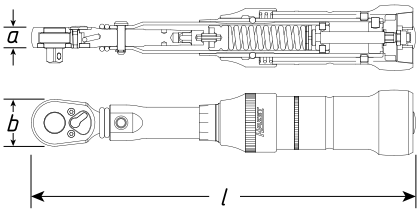
Made in Germany

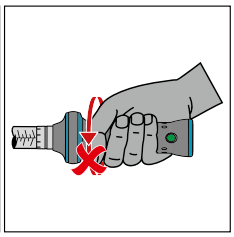
E 6.3 1/4"

- Safety:
  – Haptic (close-gap release)
  – Audible ("click" sound)
- Easy and safe adjustment of the desired torque value by turning the handle
- Especially slim design thanks to spring-loaded puller sleeve for locking the setting values
- **Accuracy ± 2 % of scale value** (in direction of actuation)
  6106-1 CT ± 4 % accuracy of scale value
- Application: engines, gearboxes, machinery, industry, model making
- With calibration certificate and serial number
- DIN EN ISO 6789-2:2017, DIN 3120, ISO 1174-1



360°



* = 6109-2 CT and 6109-2 CT CAL outside the DIN series, as the maximum torque value of the square specified in the standard 6789-1:2017 is exceeded

HAZET No.	Output	l mm	a mm	b mm	Release accuracy tolerance %	Nm	Nm	Signal transmitter	kg	EAN-No. 4000896+
6106-1 CT	■ 6.3 = ¼"	197	10.2	24	4	1–6	0.1	✕	0.7–4.4	173167
6108-1 CT	■ 6.3 = ¼"	198	10.2	24	2	2–10	0.2	✕	1.4–7.3	062218
6109-2 CT *	■ 6.3 = ¼"	256	10.2	24	2	4–40	0.4	✕	2.0–21.4	080564
• Torque wrench **including DAkkS calibration certificate**										
6106-1 CT CAL	■ 6.3 = ¼"	197	10.2	24	4	1–6	0.1	✕	0.7–4.4	192892
6108-1 CT CAL	■ 6.3 = ¼"	198	10.2	24	2	2–10	0.2	✕	1.4–7.3	192908
6109-2 CT CAL *	■ 6.3 = ¼"	256	10.2	24	2	4–40	0.4	✕	2.0–21.4	193318

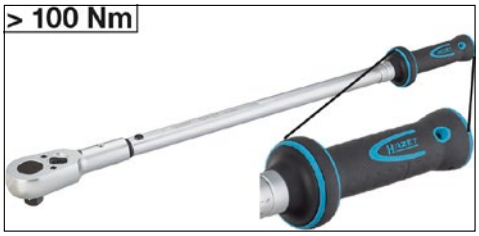
6000-1 CT Torque wrench · SYSTEM 6000 CT · ± 2% accuracy · 5–800 Nm

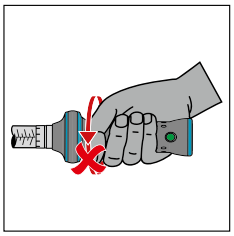
Made in Germany

- **± 2 % accuracy of scale value** (in direction of actuation)
- High-precision premium torque tools – for the highest demands
- **Hard chrome-plated** steel tube – slim, but very sturdy and wear-resistant
- Secure storage in safe box with display window
- Safety:
  – Haptic (close-gap release)
  – Audible ("click" sound)
  – Visual (models with signal transmitter)
- User-friendly reversible ratchet
  Service-friendly (do-it-yourself repair sets for ratchets available)
- Integrated shift lever
- Easy and safe adjustment of the desired torque value by turning the handle
- Knob for additionally locking the set value
- Ergonomically shaped handle with collar **reduces the risk of slipping-off and injury**
- Accuracy – fine scale graduation
- 6121-1 CT – 6123-1 CT: shift lever with idle function
  – reduces risk of injury and malfunction
- With calibration certificate and serial number
- Surface: hard chrome plated
- DIN EN ISO 6789-2:2017, DIN 3120, ISO 1174-1









HAZET No.	Output	l mm	a mm	b mm	Release accuracy tolerance %	Nm	Nm	Signal transmitter	kg	EAN-No. 4000896+
6110-1 CT	■ 10 = ⅜"	335	14.5	32	2	5–60	0.5	✗	1.9–24.7	025022
6111-1 CT	■ 10 = ⅜"	389	14.5	32	2	20–120	1	✓	6.7–42.4	025077
6121-1 CT	■ 12.5 = ½"	435	19.6	44	2	20–120	1	✓	6.0–37.4	025220
6122-1 CT	■ 12.5 = ½"	543	19.6	44	2	40–200	1	✓	9.0–47.5	025268
6123-1 CT	■ 12.5 = ½"	659	19.6	44	2	60–320	2	✓	10.8–59.6	025367
• **2-component handle** for improved feel • Simplified locking for adjusting the torque value • Viewing window for visual checking of the locking • 4 coloured coding rings (red, yellow, green, black) for markings in the case of personalisation or special workflows • Without signal transmitter										
6143-1 CT	■ 20 = ¾"	802	28.5	64	2	100–400	2.5	✗	14.5–59.2	025466
6144-1 CT	■ 20 = ¾"	1046	28.5	64	2	200–500	2.5	✗	21.6–54.6	025541
6145-1 CT	■ 20 = ¾"	1283	28.5	64	2	300–800	2.5	✗	25.9–70.2	025565
• Torque wrench **including DAkkS calibration certificate**										
6110-1 CT CAL	■ 10 = ⅜"	335	14.5	32	2	5–60	0.5	✗	1.9–24.7	192915
6111-1 CT CAL	■ 10 = ⅜"	389	14.5	32	2	20–120	1	✓	6.7–42.4	193011
6121-1 CT CAL	■ 12.5 = ½"	435	19.6	44	2	20–120	1	✓	6.0–37.4	193028
6122-1 CT CAL	■ 12.5 = ½"	543	19.6	44	2	40–200	1	✓	9.0–47.5	193233
6123-1 CT CAL	■ 12.5 = ½"	659	19.6	44	2	60–320	2	✓	10.8–59.6	193240
• Torque wrench **including DAkkS calibration certificate** • **2-component handle** for improved feel • Simplified locking for adjusting the torque value • Viewing window for visual checking of the locking • 4 coloured coding rings (red, yellow, green, black) for markings in the case of personalisation or special workflows										
6143-1 CT CAL	■ 20 = ¾"	802	28.5	64	2	100–400	2.5	✗	14.5–59.2	192922
6144-1 CT CAL	■ 20 = ¾"	1046	28.5	64	2	200–500	2.5	✗	21.6–54.6	193035
6145-1 CT CAL	■ 20 = ¾"	1283	28.5	64	2	300–800	2.5	✗	25.9–70.2	193042

Components and spare parts
from page 482 to 490

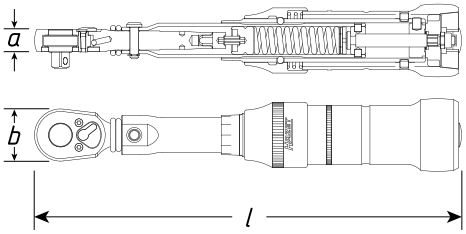
6000-1 CT Torque wrench · SYSTEM 6000 CT · ± 3% accuracy (6170-1 CT 4%) · 400–2000 Nm

Made in Germany

- **For highest torque values**

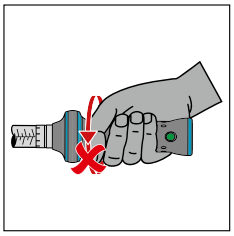
- **± 3% accuracy of scale value** (in direction of actuation) (6170-1 CT ± 4%)
- Ideal for industrial climbers
- Application on wind turbines, dockyards, in the aviation and heavy industries, on commercial vehicles etc.
- To be disassembled in two parts (6170-1 CT: three parts) with release tool
- Bag included for safe storage and for carrying or wearing on your back
- Fast screw tightening also possible with ratchet shaft. For torque tightening always use the complete wrench
- Safety:
  – Haptic (close-gap release)
  – Audible ("click" sound)
  – Visual (models with signal transmitter)
- **2-component handle** for improved feel
- Simplified locking for adjusting the torque value
- Viewing window for visual checking of the locking
- 4 coloured coding rings (red, yellow, green, black) for markings in the case of personalisation or special workflows
- With calibration certificate and serial number
- DIN EN ISO 6789-2:2017, DIN 3120, ISO 1174-1











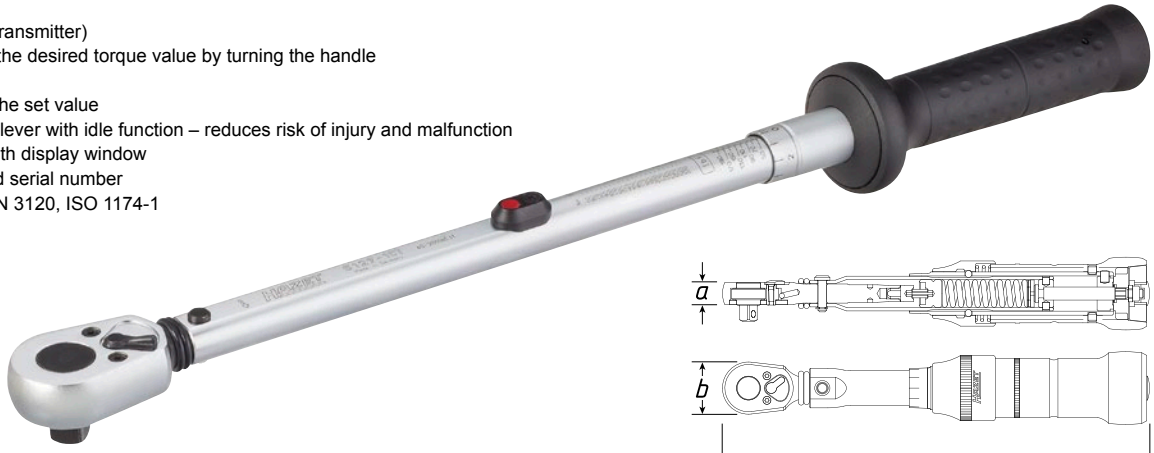
HAZET No.	Output	l mm	a mm	b mm	Release accuracy tolerance %	Nm	Nm	Signal transmitter	kg	EAN-No. 4000896+
1000 Nm Torque wrench **Weight only approx. 10 kg** • Actuating force only 590 N (60 kg) at 1000 Nm • Length of ratchet shaft: 903 mm, handle: 930 mm										
6150-1 CT	■ 20 = ¾″	1789	36	77	3	400–1000	5	✘	24.2–61.0	141067
1600 Nm Torque wrench **Weight only approx. 14 kg** • Actuating force only 685 N (70 kg) at 1600 Nm • Length of ratchet shaft 1205 mm, handle 1320 mm										
6160-1 CT	■ 25 = 1″	2455	36	77	3	600–1600	5	✘	26.1–70.1	155316
2000 Nm Torque wrench **Weight only approx. 18 kg** • Actuating force only 685 N (70 kg) at 2000 Nm • Calibration according to company standards										
6170-1 CT	■ 25 = 1″	3033	36	77	4	800–2000	6	✘	27.9–70.1	177776
• Torque wrench **including DAkkS calibration certificate**										
6150-1 CT CAL	■ 20 = ¾″	1789	36	77	3	400–1000	5	✘	24.2–61.0	193059
6160-1 CT CAL	■ 25 = 1″	2455	36	77	3	600–1600	5	✘	26.1–70.1	193066

Components and spare parts from page 482 to 490

6000-1 CT-US Torque wrench · SYSTEM 6000 CT · US STANDARD · ± 3% accuracy · 5–600 lbf.ft

Made in Germany

- **According to US standards**
- Scale graduation in **lbf.ft**
- **± 3 % accuracy of scale value** (in direction of actuation)
- Safety:
  – Haptic (close-gap release)
  – Audible (”click“ sound)
  – Visual (models with signal transmitter)
- Easy and safe adjustment of the desired torque value by turning the handle
- **Reversible ratchet**
- Knob for additionally locking the set value
- 6127-1 CT – 6128-1 CT: shift lever with idle function – reduces risk of injury and malfunction
- Secure storage in safe box with display window
- With calibration certificate and serial number
- DIN EN ISO 6789-2:2017, DIN 3120, ISO 1174-1

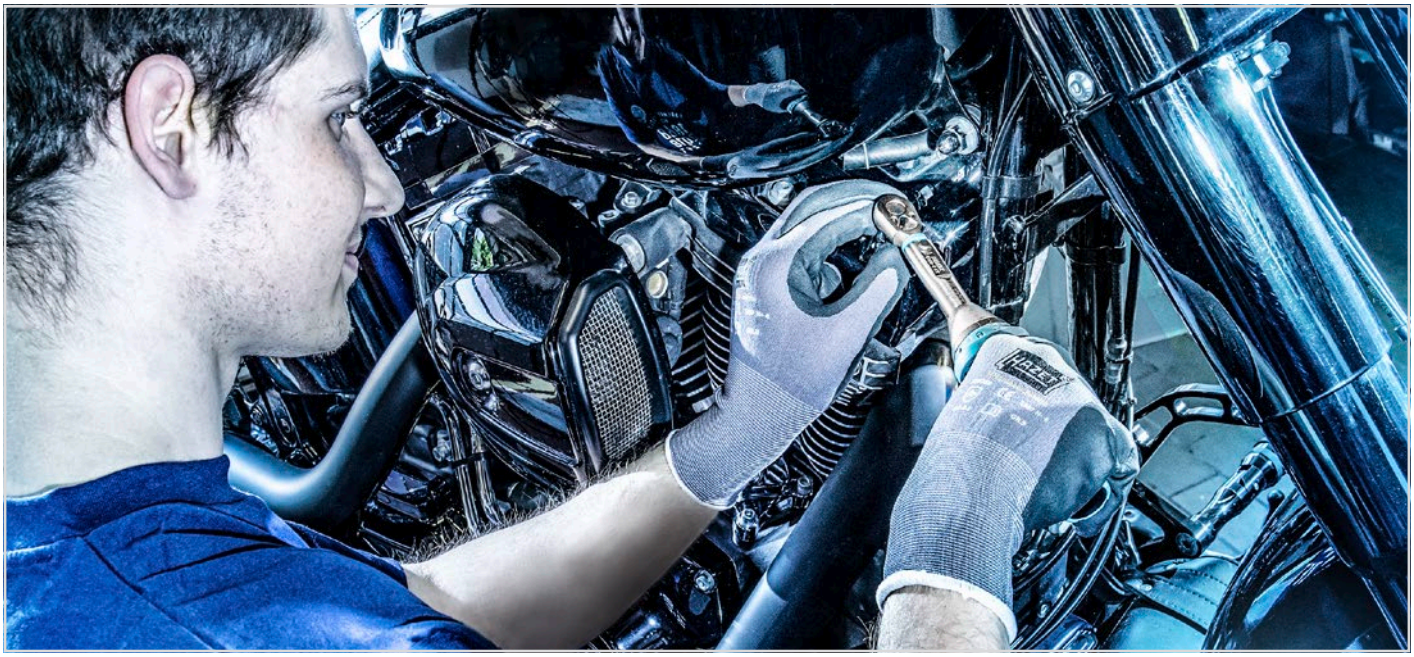




HAZET No.	Output	l mm	a mm	b mm	Release accuracy tolerance %	lbf.ft.	Nm	lbf.ft	Signal transmitter	kg	EAN-No. 4000896+
6114-1 CT	■ 10 = ⅜″	333	14.5	32	3	5–40	6.8–54.2	0.5	✘	2.6–21.8	078424
6115-1 CT	■ 10 = ⅜″	390	14.5	32	3	20–100	27.1–135.6	0.5	✓	9.1–48.2	025084
6127-1 CT	■ 12.5 = ½″	545	19.6	44	3	40–200	54.2–271.2	1	✓	12.3–64.6	025381
6128-1 CT	■ 12.5 = ½″	660	19.6	44	3	50–250	67.8–339	2	✓	12.2–62.6	076116

- **2-component handle** for improved feel
- Simplified locking for adjusting the torque value
- Viewing window for visual checking of the locking
- 4 coloured coding rings (red, yellow, green, black) for markings in the case of personalisation or special workflows
- Without signal transmitter

6132-1 CT	■ 20 = ¾″	1284	28.5	64	3	120–600	162.7–813.5	2	✘	14.0–71.6	078455



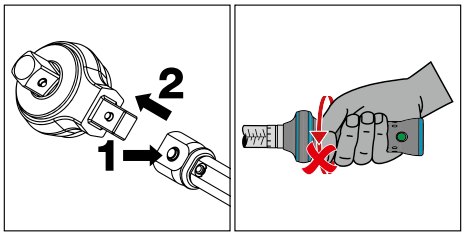
6200-1 CT Torque wrench · SYSTEM 6000 CT · ± 2% accuracy · 2–40 Nm

Made in Germany

Ⓔ 9 x 12

- Plug-and-socket connection to hold insert tools
- **Accuracy ± 2 % of scale value** (in direction of actuation)
- Safety:
  – Haptic (close-gap release)
  – Audible (“click” sound)
- With calibration certificate and serial number
- Especially slim design thanks to spring-loaded puller sleeve for locking the setting values
- Easy and safe adjustment of the desired torque value by turning the handle
- DIN EN ISO 6789-2:2017





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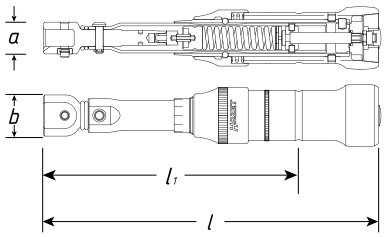


* = 6282-1 CT and 6282-1 CT CAL outside the DIN series, as the maximum torque value of the square specified in the standard 6789-1:2017 is exceeded

HAZET No.	Output	l mm	l_1 mm	a mm	b mm	Release accuracy tolerance %	Nm	Nm	Signal transmitter	kg	EAN-No. 4000896+
6280-1 CT	□ 9x12	181	141	17	22	2	2–10	0.2	✘	1.3–6.6	026005
6282-1 CT *	□ 9x12	240	200	17	22	2	4–40	0.4	✘	1.9–19.8	080540
• Torque wrench **including DAkkS calibration certificate**											
6280-1 CT CAL	□ 9x12	181	141	17	22	2	2–10	0.2	✘	1.3–6.6	193073
6282-1 CT CAL *	□ 9x12	240	200	17	22	2	4–40	0.4	✘	1.9–19.8	193080

6200-1 CT Torque wrench · SYSTEM 6000 CT · ±4% accuracy · 5–13 Nm

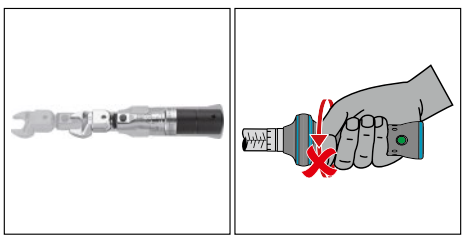
Made in Germany

9 x 12

- **Extra short construction for areas with restricted access**

- Plug-and-socket connection to hold insert tools
- **Accuracy ± 4 % of scale value** (in direction of actuation)
- Safety:
  – Haptic (close-gap release)
  – Audible (“click” sound)
- With calibration certificate and serial number
- Easy and safe adjustment of the desired torque value by turning the handle
- Surface: hard chrome plated
- DIN EN ISO 6789-2:2017





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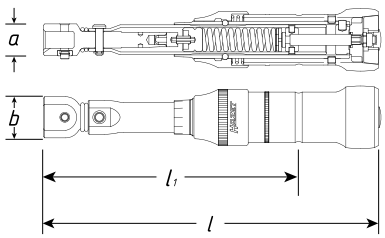


HAZET No.	Output	l mm	l_1 mm	a mm	b mm	Release accuracy tolerance %	Nm	Nm	Signal transmitter	kg	EAN-No. 4000896+
6281-2 CT	□ 9x12	125.4	99	17	22	4	5–13	0.2	✘	4.4–11.8	183326
• Torque wrench **including DAkkS calibration certificate**											
6281-2 CT CAL	□ 9x12	125.4	99	17	22	4	5–13	0.2	✘	4.4–11.8	193295

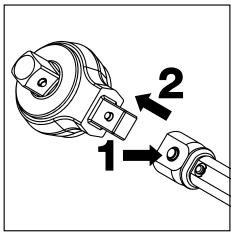
6200-1 CT Torque wrench · SYSTEM 6000 CT · ± 2% accuracy · 5–320 Nm

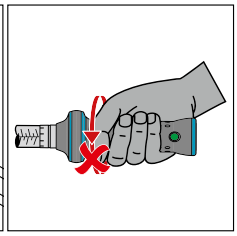
Made in Germany

- Plug-and-socket connection to hold insert tools
- **Accuracy ± 2 % of scale value** (in direction of actuation)
- Safety:
  – Haptic (close-gap release)
  – Audible (”click“ sound)
  – Visual (models with signal transmitter)
- With calibration certificate and serial number
- Easy and safe adjustment of the desired torque value by turning the handle
- Secure storage in safe box with display window
- DIN EN ISO 6789-2:2017









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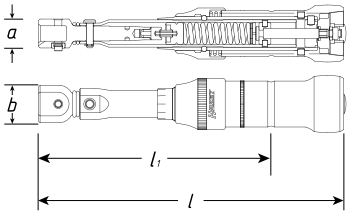


HAZET No.	Output	l mm	l_1 mm	a mm	b mm	Release accuracy tolerance %	Nm	Nm	Signal transmitter	kg	EAN-No. 4000896+
6290-1 CT	□ 9x12	306	252	17	22	2	5–60	0.5	✗	1.8–23.1	026043
6291-2 CT	□ 9x12	389	318	18	23	2	20–120	1	✓	5.9–36.6	026104
6291-1 CT	□ 14x18	401	330	23	30	2	20–120	1	✓	5.5–34.5	026074
6292-1 CT	□ 14x18	511	440	23	30	2	40–200	1	✓	8.5–44.8	026135
6293-1 CT	□ 14x18	625	554	23	30	2	60–320	2	✓	10.3–56.8	026173
• Torque wrench **including DAkkS calibration certificate**											
6290-1 CT CAL	□ 9x12	306	252	17	22	2	5–60	0.5	✗	1.8–23.1	193097
6291-2 CT CAL	□ 9x12	389	318	18	23	2	20–120	1	✓	5.9–36.6	193257
6291-1 CT CAL	□ 14x18	401	330	23	30	2	20–120	1	✓	5.5–34.5	193264
6292-1 CT CAL	□ 14x18	511	440	23	30	2	40–200	1	✓	8.5–44.8	193271
6293-1 CT CAL	□ 14x18	625	554	23	30	2	60–320	2	✓	10.3–56.8	193288

6200-1 CT Torque wrench · SYSTEM 6000 CT · ± 2% accuracy · 100–500 Nm

Made in Germany

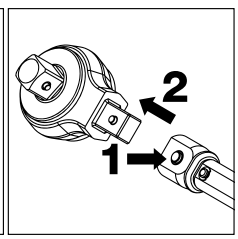
- Plug-and-socket connection to hold insert tools
- **Accuracy ± 2 % of scale value** (in direction of actuation)
- Safety:
  – Haptic (close-gap release)
  – Audible (”click“ sound)
  – Visual (models with signal transmitter)
- With calibration certificate and serial number
- Easy and safe adjustment of the desired torque value by turning the handle
- Secure storage in safe box with display window
- **2-component handle** for improved feel
- Simplified locking for adjusting the torque value
- Viewing window for visual checking of the locking
- Knob for additionally locking the set value
- 4 coloured coding rings (red, yellow, green, black) for markings in the case of personalisation or special workflows
- Without signal transmitter
- DIN EN ISO 6789-2:2017

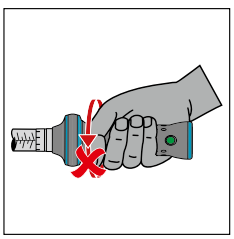


YouTube Clip









HAZET No.	Output	l mm	l_1 mm	b mm	Release accuracy tolerance %	Nm	Nm	Signal transmitter	kg	EAN-No. 4000896+
6294-1 CT	□ 14x18	718	649	35.5	2	100–400	2.5	✗	14.7–59.9	026197
6295-1 CT	□ 14x18	962	893	35.5	2	200–500	2.5	✗	21.8–55.1	026203
• Torque wrench **including DAkkS calibration certificate**										
6294-1 CT CAL	□ 14x18	718	649	35.5	2	100–400	2.5	✗	14.7–59.9	193103
6295-1 CT CAL	□ 14x18	962	893	35.5	2	200–500	2.5	✗	21.8–55.1	193110

Components and spare parts
from page 482 to 490

6290 Torque tool set

Made in Germany

- Sheet metal box (HAZET-blue)
- 2-component soft foam insert

Ⓔ 9 x 12





6200-1 CT • 9 x 12
6290-1 CT



6450 C • ◉ • 9 x 12
7 • 8 • 9 • 10 • 11 • 12
13 • 14 • 15 • 16 • 17



6630 C • ⬣ • 9 x 12
7 • 8 • 10 • 11 • 12
13 • 14 • 15 • 16 • 17



6402-1 • 10 3/8 • 9 x 12



6612 C • ◉ • 9 x 12
10 • 11 • 12 • 13 • 14 • 17

HAZET No.	L x W x H mm		EAN-No. 4000896+
6290-1 CT/29	435x215x62	29	026067

6292 Torque tool set

Made in Germany

- Sheet metal box (HAZET-blue)
- 2-component soft foam insert

Ⓔ 14 x 18





6200-1 CT • 14 x 18
6292-1 CT



6404-1 • 12.5 ½ • 14 x 18



6450 D • ◉ • 14 x 18
13 • 14 • 15 • 16
17 • 18 • 19 • 21
22 • 24 • 27 • 30
32



6630 D • ⬣ • 14 x 18
13 • 14 • 15 • 16
17 • 18 • 19 • 21
22 • 24 • 27 • 30
32

HAZET No.	L x W x H mm		EAN-No. 4000896+
6292-1 CT/28	578x235x88	28	026166

6400 Insert tool set

Made in Germany

◉ ⬣ 6.3 ¼" 10 3/8" 12.5 ½" 14 x 18 9 x 12





6401-1 • 6.3 ¼ • 9 x 12



6413-4 • 12.5 ½ • 10 3/8



6612 C • ◉ • 9 x 12
10 • 14 • 19 • 22



6402-1 • 10 3/8 • 9 x 12



6414 • 12.5 ½ • 14 x 18



6630 C • ⬣ • 9 x 12
8 • 10 • 11 • 12
13 • 14 • 15 • 16



6404-1 • 12.5 ½ • 14 x 18



6423 c • 14 x 18 • 9 x 12



6630 D • ⬣ • 14 x 18
13 • 16 • 17 • 18 • 19
21 • 22 • 24 • 27



6408 • 1/4", ○ • 9 x 12

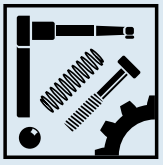


6450 D • ◉ • 14 x 18
24

HAZET No.		EAN-No. 4000896+
6400 CD/29	29	233458

Wear? – No problem!

- **HAZET** tools are manufactured to **the highest quality**. During long intensive loading there is a certain level of wear even for high-quality tools.
- For this reason, there are spare parts and replacement sets available for many of our tools.



Please also see our spare parts shop
www.hazet.de/ersatzteil-shop

Cost-saving – Sustainable – Resource-saving!
For long-term pleasure with your HAZET tools

6100 Replacement set

Made in Germany





Ⓔ

HAZET No.	EAN-No. 4000896+
• **Replacement set for twist lock** consisting of: twist lock · lock spring and threaded pin For HAZET torque wrenches model year 2014 → 6132-1 CT · 6143-1 CT · 6144-1 CT · 6145-1 CT · 6150-1 CT · 6160-1 CT · 6170-1 CT 6243-1 CT · 6244-1 CT · 6245-1 CT · 6146-1 CT · 6246-1 CT 6294-1 CT · 6295-1 CT · 6296-1 CT	
6144-02/3	192557
• **Replacement set for shift lever** consisting of: shift lever · screws · ball · compression spring For HAZET reversible ratchet 1016 · 1016/2 For HAZET torque wrench 5143-3 CT · 5145-3 CT · 6132-1 CT · 6143 CT · 6143-1 CT · 6144 CT · 6144-1 CT · 6145 CT · 6145-1 CT · 6146-1 CT	
1016/6	001972
• **Replacement set for ratchet wheel** 20 = ¾″ ■ consisting of: ratchet wheel · pawl · shift lever · screws · ball · compression spring For HAZET reversible ratchet 1016 · 1016/2 For HAZET torque wrench 5145-3 CT · 6132-1 CT · 6143 CT · 6143-1 CT · 6144 CT · 6144-1 CT · 6145 CT · 6145-1 CT · 6146-1 CT	
1016/8 N	001989
• **Replacement set for shift lever** consisting of: shift lever · screws · ball · compression spring For HAZET reversible ratchet 1116 For HAZET torque wrench 6150-1 CT · 6160-1 CT · 6170-1 CT · 7250-2 sTAC · 7250-5 sTAC	
1116/6	003228
• **Replacement set for ratchet wheel** 25 = 1″ ■ consisting of: shift lever · screws · ball · compression spring · pawl · ratchet wheel For HAZET reversible ratchet 1116 For HAZET torque wrench 6160-1 CT · 6170-1 CT	
1116/8 N	003235
• **Replacement set for shift lever** consisting of: shift lever · screws · ball · compression spring · pawl For HAZET reversible ratchet 8816 G · 8816 GK · 8816 P · 8816 S · 8816 ST 916 K · 2264-1 For HAZET torque wrench 5110-2 CT · 5120-2 CT · 5110-3 CT · 5111-3 CT · 5120-3 CT 6110 CT · 6110-1 CT · 6111-1 CT 6114-1 CT · 6115-1 CT 6402-1 · 6402-1 S · 6408-1	
8816 P/6	144617
• **Replacement set for ratchet wheel** 10 = ⅜″ ■ consisting of: ratchet wheel · pawl · shift lever · screws · ball · compression spring For HAZET reversible ratchet 8816 G · 8816 GK · 8816 P · 8816 ST For HAZET torque wrench 5110-2 CT · 5110-3 CT · 5111-3 CT 6110 CT · 6110-1 CT · 6111-1 CT 6114-1 CT · 6115-1 CT · 6402-1	
8816 P/7 N	042234
• **Replacement set for shift lever · complete** 12.5 = ½″ ■ consisting of: ratchet wheel · pawl · shift lever · screws · ball · compression spring · spring washer · circlip For HAZET torque wrench 5121-2 CT · 5122-2 CT · 5123-2 CT 5121-3 CT · 5122-3 CT · 5123-3 CT 5121-2 CLT · 5122-2 CLT · 5123-2 CLT · 5128-2 CLT 5122 ST-1 6121 CT · 6122 CT · 6123 CT 6121-1 CT · 6122-1 CT · 6123-1 CT · 6127-1 CT · 6128-1 CT 6722 TAC	
6122/9 N	025343
• **Replacement set for ratchet wheel** 12.5 = ½″ ■ consisting of: ratchet wheel · pawl · shift lever · screws · ball · compression spring For torque wrench HAZET 5120-2 CT · 5120-3 CT	
5120/7	235490
• **Replacement set for ratchet wheel** 12.5 = ½″ ■ consisting of: ratchet wheel · pawl · shift lever · screws · ball · compression spring For torque wrench HAZET 5143-3 CT	
5143/8	237142
• **Replacement set for ratchet wheel** 20 = ¾″ ■ consisting of: ratchet wheel · pawl · shift lever · screws · ball · compression spring For 6150-1 CT · 7250-2 sTAC · 7250-5 sTAC	
6150/8	151431
• **Replacement set for shift lever** consisting of: shift lever · screws · ball · compression spring For HAZET torque wrench 5107-2 CT · 5107-3 CT · 5108-2 CT · 5108-3 CT 6106-1 CT · 6108-1 CT · 6109-1 CT · 6109-2 CT · 6401-1 · 6401-1 S · 6408	
6401-1/6	146048

▶

6100 Replacement set

◀

Ⓔ

HAZET No.	EAN-No. 4000896+
• **Replacement set for ratchet wheel** 6.3 = ¼″ ■ consisting of: ratchet wheel · pawl · shift lever · screws · ball · compression spring For HAZET torque wrench 5107-2 CT · 5107-3 CT · 5108-2 CT · 5108-3 CT 6106-1 CT · 6108-1 CT · 6109-1 CT · 6109-2 CT · 6401-1	
6401/7	111169
• **Replacement set for ratchet wheel** 6.3 = ¼″ ■ consisting of: **ratchet wheel with safety lock** · pawl · shift lever · screws · ball · compression spring For 6401-1 S as well as for **retrofitting** insert reversible ratchets 5107-2 CT · 5107-3 CT · 5108-2 CT · 5108-3 CT 6106-1 CT · 6108-1 CT · 6109-2 CT	
6401-1 S/7	111152
• **Replacement set for shift lever** consisting of: shift lever · screws · ball · compression spring · spring washer and circlip For HAZET insert reversible ratchet 6403-1 · 6403-1 S · 6404-1 · 6404-1 S	
6403-1/7	070756
• **Replacement set for ratchet wheel** 12.5 = ½″ ■ consisting of: ratchet wheel · pawl · shift lever · screws · ball · compression spring · spring washer · circlip For 6403-1 · 6404-1	
6403-1/9	070749
• **Replacement set for ratchet wheel** 12.5 = ½″ ■ consisting of: **ratchet wheel with safety lock** · pawl · shift lever · screws · ball · compression spring · spring washer · circlip For 6403-1 S · 6404-1 S	
6403-1 S/9	070817
• **Replacement set for twist lock** consisting of: lock spring · twist lock with 2 headless screws For HAZET torque wrench 6010-1 CT · 6110-1 CT · 6114-1 CT · 6290-1 CT	
6110-27	025053
• **Replacement set for twist lock** consisting of: lock spring · twist lock with 2 headless screws For HAZET torque wrench 5121-2 CLT · 5122-2 CLT · 5123-2 CLT · 5128-2 CLT 6021-1 CT · 6022-1 CT · 6023-1 CT 6111-1 CT · 6115-1 CT · 6121-1 CT · 6122-1 CT · 6123-1 CT · 6127-1 CT · 6128-1 CT 6291-1 CT · 6292-1 CT · 6293-1 CT · 6722 TAC · 6291-2 CT	
6122-27	025299
• **Replacement set for visual signal transmitter** consisting of: red button · compression spring · housing · black · pin · screw For HAZET torque wrench 6021-1 CT · 6022-1 CT · 6023-1 CT 6110 CT · 6110-1 CT · 6111-1 CT 6114-1 CT · 6115-1 CT · 6121 CT · 6121-1 CT · 6122 CT · 6122-1 CT · 6123 CT · 6123-1 CT · 6127-1 CT · 6128-1 CT · 6291-1 CT · 6291-2 CT · 6290-1 CT · 6291 CT · 6292-1 CT · 6293-1 CT	
6122-29	025305
• **Replacement set for shift lever** consisting of: shift lever · screws · ball · compression spring · spring washer · circlip For HAZET torque wrench 5121-2 CLT · 5121-2 CT · 5121-3 CT 5122-2 CLT · 5122-2 CT · 5122-3 CT · 5122 ST-1 5123-2 CLT · 5123-2 CT · 5123-3 CT · 5128-2 CLT 6121-1 CT · 6121 CT · 6122-1 CT · 6122 CT · 6123-1 CT · 6123 CT · 6127-1 CT · 6128-1 CT · 6722 TAC	
6122/7	025329
• **Reversible ratchet with screw** complete replaceable: ■ 20 = ¾″ model year → End 2004 For HAZET torque wrench 6132-1 CT · 6143 CT · 6143-1 CT 6144 CT · 6144-1 CT 6145 CT · 6145-1 CT · 6146-1 CT	
6143-01	111190
• **Replacement set for twist lock** consisting of: twist lock · lock spring and cylinder screw For HAZET torque wrench model year → 2013 6132-1 CT · 6143-1 CT · 6144-1 CT · 6145-1 CT · 6150-1 CT · 6160-1 CT · 6170-1 CT 6243-1 CT · 6244-1 CT · 6245-1 CT · 6146-1 CT · 6246-1 CT, 6294-1 CT · 6295-1 CT · 6296-1 CT	
6144-01/3	025527
• **Reversible ratchet with screw** complete replaceable: ■ 20 = ¾″ model year 2005→ For HAZET torque wrench 5145-3 CT 6132-1 CT · 6144 CT · 6144-1 CT 6145 CT · 6145-1 CT · 6146-1 CT	
6145-01	111206

Components and spare parts
from page 482 to 490

SYSTEM 7000 sTAC

7000 STAC Torque wrench with built-in angle gauge · electronic · SmarTAC SYSTEM 7000 sTAC · 1–1000 Nm

Made in Germany

• Smart technology – Ready for Industry 4.0

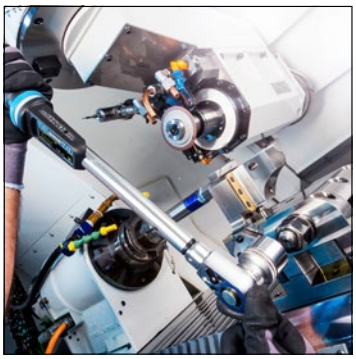
- HAZET Smart Technology consisting of SmartTAC app and Bluetooth 4.1 Low Energy Interface (product group 7000-2 sTAC – may be subject to national admission restrictions). Easy live data exchange for displaying the bolting process on mobile devices, such as smartphones (Smartwatch) and tablet PCs. USB-C interface for programming torque wrenches with built-in angle gauge and documenting the screwing data via laptop and PC with SmartTAC tool 7910-sTAC.
  All sTAC torque wrenches with built-in angle gauges can also be used autonomously, without SmartTAC app
- Unique ergonomic, user-oriented HAZET design of entire tool for professional use
- The reduction in size and integration of the PCB into the main pipe results in dimensions that allow for the small torque wrench with built-in angle gauge from 1 Nm
- Protection rating IP 40
  Spray-water-proof display and membrane keyboard
- USB-C port to directly charge battery when still in tool
- Including standard replaceable Li ion rechargeable battery, type 14650 / 3.7 Volt, can be charged directly on the tool via USB-C connector
- Including 1 metre USB 3.1 / A-C cable

Functions: 7000 sTAC

- Large, high-contrast illuminated, easily readable OLED display, dimmable and 180° rotatable
- Indication of the measuring values in 13 mm font size, including a rating of the screw-joint (OK / not OK)
- Display deviation in right and left torque: from ±1% / ±1 digit
- Display deviation in right and left rotation angle: ±1% / ±1°
- Rotation angle range adding: 0 to 999°
- Torque tolerance for OK display (green): adjustable ±1 to 10%
- Rotation angle tolerance for OK display (green): adjustable 1 to 90°
- Choice of torque measuring units: Nm, lbf ft, lbf in or kgf m
- Lets you select or program the effective length for other insert tools from 0 to 250 m (requirement for correct torque / rotation angle measurements)
- Four signals alert the user during screwing process: audible signal (buzzer), vibration signal, synchronous numerical display, and a 360° LED display with ”traffic light function“ that is visible from all around
- Threshold value, pre-warning level: adjustable 50 to 99%
- Adjustable signaling, On/Off audible signal (buzzer) and vibration
- Reset function, restore to factory setting
- Stand-by time: adjustable 1 to 10 min.
- Indication of battery condition and memory
- Memory capacity, including date and time: up to 3000 measurements
- Offers possibility to program flow charts and sets of parameters: 25 and 25
- 2 control functions: programmable torque control for angle tightening and angle control for torque tightening
- Menu locking against unintentional change, four-digit code is personally selected
- Display of the software version with serial numbers, calibration date and service display / usage counter
- Menu languages: German, English, French, Italian, Chinese
- Programming and evaluation software for laptop and PC 7910-sTAC (at additional cost)
- SmartTAC app for Android and Apple iOS end devices for series 7000-2 sTAC (free download)
- The SmartTAC torque wrenches with built-in angle gauge of the **7000-2 sTAC series with Bluetooth interface** have valid radio licences in all EU countries as well as in Switzerland, Norway, China, India, South Korea, Mexico and Turkey and may be sold there. Radio licences for South Africa, USA and Canada are currently in preparation.
  Other countries on request.
- For all other countries without radio licences, we offer the SmartTAC torque wrench with built-in angle gauge of the **7000-5 sTAC series without a Bluetooth interface**. These can be connected to a laptop and PC via a USB port and to the optional programming and evaluation software. It is not possible to use the SmartTAC app for mobile devices due to the lack of a Bluetooth interface.
- **With Bluetooth function**
- Tested in accordance with DIN EN ISO 6789-2:2017



YouTube Clip YouTube Clip SYSTEM 7000 sTAC YouTube Clip






►

7000 STAC Torque wrench with built-in angle gauge · electronic · SmartTAC SYSTEM 7000 sTAC · 1–1000 Nm

HAZET No.	Output	l mm	Release accuracy tolerance %	lbf.ft.	Nm	kg	Bluetooth interface	EAN-No. 4000896+
• Includes insert reversible ratchet 6401-1 ■ 6.3 = ¼″ • Length with/without insert tool: 290.5 mm / 260 mm								
7280-5 sTAC	□ 9x12, ■ 6.3 = ¼″	260	2	0.75–7.5	1–10	0.5–4.6	✗	223183
7281-5 sTAC	□ 9x12, ■ 6.3 = ¼″	260	2	1.85–18.5	2.5–25	1.1–11.4	✗	223176
• Includes insert reversible ratchet 6402-1 ■ 10 = ⅜″ • Length with/without insert tool: 347 mm / 302 mm								
7290-5 sTAC	□ 9x12, ■ 10 = ⅜″	302	1	3.5–44	5–60	1.8–22.2	✗	223169
• Includes insert reversible ratchet 6402-1 ■ 10 = ⅜″ • Length with/without insert tool: 428 mm / 383 mm								
7291-5 sTAC	□ 9x12, ■ 10 = ⅜″	383	1	7.5–75	10–100	2.9–28.7	✗	223152
• Includes insert reversible ratchet 6404-1 ■ 12.5 = ½″ • Length with/without insert tool: 578.5 mm / 520 mm								
7292-5 sTAC	□ 14x18, ■ 12.5 = ½″	520	1	15–150	20–200	4.1–40.7	✗	223145
• Includes insert reversible ratchet 6406 ■ 20 = ¾″ • Length with/without insert tool: 1021 mm / 945 mm								
7294-5 sTAC	□ 14x18, ■ 20 = ¾″	945	1	30–300	40–400	4.4–43.8	✗	223138
• Includes insert reversible ratchet 6406 ■ 20 = ¾″ • Length with/without insert tool: 1217 mm / 1141 mm								
7295-5 sTAC	□ 14x18, ■ 20 = ¾″	1141	1	48–480	65–650	5.9–58.7	✗	222926
• Integrated reversible ratchet ■ 20 = ¾″								
7250-5 sTAC	■ 20 = ¾″	1772	1	150–750	200–1000	12.2–60.8	✗	222919
• Includes insert reversible ratchet 6401-1 ■ 6.3 = ¼″ • Length with / without insert tool: 290.5 mm / 260 mm								
7280-2 sTAC	□ 9x12, ■ 6.3 = ¼″	260	2	0.75–7.5	1–10	0.5–4.6	✓	215294
7281-2 sTAC	□ 9x12, ■ 6.3 = ¼″	260	2	1.85–18.5	2.5–25	1.1–11.4	✓	215317
• Includes insert reversible ratchet 6402-1 ■ 10 = ⅜″ • Length with / without insert tool: 347 mm / 302 mm								
7290-2 sTAC	□ 9x12, ■ 10 = ⅜″	302	1	3.5–44	5–60	1.8–22.2	✓	215324
• Includes insert reversible ratchet 6402-1 ■ 10 = ⅜″ • Length with / without insert tool: 428 mm / 383 mm								
7291-2 sTAC	□ 9x12, ■ 10 = ⅜″	383	1	7.5–75	10–100	2.9–28.7	✓	215430
• Includes insert reversible ratchet 6404-1 ■ 12.5 = ½″ • Length with / without insert tool: 578.5 mm / 520 mm								
7292-2 sTAC	□ 14x18, ■ 12.5 = ½″	520	1	15–150	20–200	4.1–40.7	✓	215447
• Includes insert reversible ratchet 6406 ■ 20 = ¾″ • Length with / without insert tool: 1021 mm / 945 mm								
7294-2 sTAC	□ 14x18, ■ 20 = ¾″	945	1	30–300	40–400	4.4–43.8	✓	215454
• Includes insert reversible ratchet 6406 ■ 20 = ¾″ • Length with / without insert tool: 1217 mm / 1141 mm								
7295-2 sTAC	□ 14x18, ■ 20 = ¾″	1141	1	48–480	65–650	5.9–58.7	✓	215461
• Integrated reversible ratchet ■ 20 = ¾″								
7250-2 sTAC	■ 20 = ¾″	1772	1	150–750	200–1000	12.2–60.8	✓	215478
• Torque wrench **including DAkkS calibration certificate** • Includes insert reversible ratchet 6401-1 ■ 6.3 = ¼″ • Length with / without insert tool: 290.5 mm / 260 mm								
7280-2 sTAC CAL	□ 9x12, ■ 6.3 = ¼″	260	2	0.75–7.5	1–10	0.5–4.6	✓	220359
7281-2 sTAC CAL	□ 9x12, ■ 6.3 = ¼″	260	2	1.85–18.5	2.5–25	1.1–11.4	✓	220366
• Torque wrench **including DAkkS calibration certificate** • Includes insert reversible ratchet 6402-1 ■ 10 = ⅜″ • Length with / without insert tool: 347 mm / 302 mm								
7290-2 sTAC CAL	□ 9x12, ■ 10 = ⅜″	302	1	3.5–44	5–60	1.8–22.2	✓	220373
• Torque wrench **including DAkkS calibration certificate** • Includes insert reversible ratchet 6402-1 ■ 10 = ⅜″ • Length with / without insert tool: 428 mm / 383 mm								
7291-2 sTAC CAL	□ 9x12, ■ 10 = ⅜″	383	1	7.5–75	10–100	2.9–28.7	✓	220380
• Torque wrench **including DAkkS calibration certificate** • Includes insert reversible ratchet 6404-1 ■ 12.5 = ½″ • Length with / without insert tool: 578.5 mm / 520 mm								
7292-2 sTAC CAL	□ 14x18, ■ 12.5 = ½″	520	1	15–150	20–200	4.1–40.7	✓	220397
• Torque wrench **including DAkkS calibration certificate** • Includes insert reversible ratchet 6406 ■ 20 = ¾″ • Length with / without insert tool: 1021 mm / 945 mm								
7294-2 sTAC CAL	□ 14x18, ■ 20 = ¾″	945	1	30–300	40–400	4.4–43.8	✓	220403
• Torque wrench **including DAkkS calibration certificate** • Includes insert reversible ratchet 6406 ■ 20 = ¾″ • Length with / without insert tool: 1217 mm / 1141 mm								
7295-2 sTAC CAL	□ 14x18, ■ 20 = ¾″	1141	1	48–480	65–650	5.9–58.7	✓	220410
• Torque wrench **including DAkkS calibration certificate** • Integrated reversible ratchet ■ 20 = ¾″								
7250-2 sTAC CAL	■ 20 = ¾″	1772	1	150–750	200–1000	12.2–60.8	✓	220342
• **SmartTAC-Tool** · SmartTAC programming and evaluation software for HAZET torque wrench with built-in angle gauge of the 7000 sTAC series, also as download at "www.hazet.de"								
7910-sTAC	–	–	–	–	–	–	–	221875

Components and spare parts from page 482 to 490

Torque screwdrivers

6001 Torque screwdriver · 6001 · 0.4–5.4 Nm

Made in Germany

6.3 ¼"

- **For all fittings with low torque e.g. disc brakes on bicycles**

- Torque release clearly palpable and audible when torque setting is reached by ratcheting
- Loosening without torque function possible
- Fast and precise setting of torque values with hex-head wrench (HAZET 2100-06, included in delivery)
- Insert tool holder for bits with magnet for all bits with 6.3 ¼" drive or HAZET Adapter 2304 for connecting to 6.3 ¼" HAZET 850 sockets
- Accuracy (tolerance) according to EN ISO 6789
- Contents:
  Torque handle with insert tool holder for bits 2239-7, offset screwdriver 2100-06
- Plastic handle





HAZET No.	Output	l mm	Release accuracy tolerance %	Nm		EAN-No. 4000896+
• For all screw connections with low torque e.g. valve cores on tyre pressure control systems • For tightening torques from 0.4 to 1.4 Nm						
6001-1.4/3	⬡ 6.3 = ¼"	–	15	0.4–1.4	3	190980
• For tightening torque values from 0.6 up to 1.5 Nm						
6001-1.5/3	⬡ 6.3 = ¼"	–	10	0.6–1.5	3	141678
• **According to VW Service Information** e.g. for the fastening screws at the air-filter housing on 1.4 l engine with turbocharger on **VW** Eos, Golf, Golf Plus and Passat						
6001-3.0/3	⬡ 6.3 = ¼"	–	6	1.5–3	3	141685
6001-5.4/3	⬡ 6.3 = ¼"	–	6	3–5.4	3	141692
• Adapter ⬢ 6.3 = ¼" → ■ 6.3 = ¼"						
2304N	–	25	–	–	–	238071

6000 CT Torque screwdriver · SYSTEM 6000 CT · ± 5% accuracy · 0.1–6 Nm

6.3 ¼"

- **Accuracy ± 5% of scale value** (in direction of actuation)
- For bits with 6.3 = ¼" outside hexagon drive
- Operation of sockets (☐ drive 6.3 = ¼") with HAZET 2304 adapter
- Plastic handle
- DIN EN ISO 6789



HAZET No.	Output	l mm	Release accuracy tolerance %	Nm	cNm	Nm	EAN-No. 4000896+
6002 CT	⬡ 6.3 = ¼"	170	5	0.1–1.2	10–120	0.01	023004
6003 CT	⬡ 6.3 = ¼"	230	5	1–6	100–600	0.1	023011
• Adapter ⬢ 6.3 = ¼" → ■ 6.3 = ¼"							
2304N	–	25	–	–	–	–	238071

Components and spare parts from page 482 to 490

SYSTEM 6300 CT

- **With lockable torque setting**
- Especially suitable for application in industrial series production

Adjusting the desired torque value with adjustment wrench 6399 in conjunction with HAZET torque tester 7901 E, 7902 E, 7903 E or any other suitable device.
All torque wrenches of this line (HAZET 6391-6392) are without scale and without signal transmitter

6300 Torque wrench · ±2% accuracy · 6391-10 6% · 1–12 Nm

Made in Germany

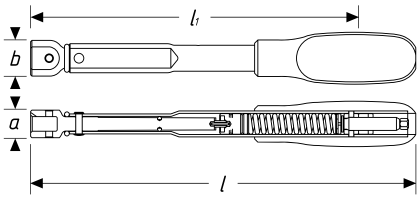
9 x 12

- **Particularly easy to use thanks to short design**
- **Universal application thanks to connection for insert tools**

- **Accuracy ± 2% (6391-10: 6%) of set value** (in direction of actuation)
  Left tightening with same accuracy possible by reversing the wrench
- Plug-and-socket connection to hold insert tools
- **Permanently adjustable value**
- Especially suitable for application in industrial series production
- Setting the desired torque value with adjustment wrench 6399 together with HAZET torque tester 7901 E, 7902 E, 7903 E or any other suitable device.
  All wrenches of this series (HAZET 6391-6392) are without a scale and a signal transmitter
- With calibration certificate and serial number
- DIN EN ISO 6789-2:2017







HAZET No.	Output	l mm	l_1 mm	a mm	b mm	Release accuracy tolerance %	Nm	kg	EAN-No. 4000896+
6391-10	□ 9x12	124	102	17	22	6	1–10	0.8–8.4	208951
6391-12	□ 9x12	124	102	17	22	2	2–12	1.7–10.1	027026
• Factory preset triggering value as requested									
6391-12 V	□ 9x12	124	102	17	22	2	2–12	1.7–10.1	145850

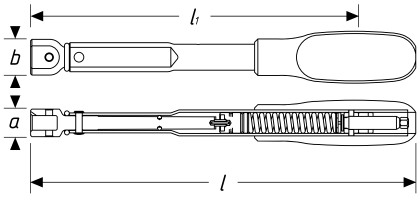
6300 Torque wrench · ±2% accuracy · 2–35 Nm

Made in Germany

E 9 x 12

- **Accuracy ± 2% of set value** (in direction of actuation)
  Left tightening with same accuracy possible by reversing the wrench
- Plug-and-socket connection to hold insert tools
- **Permanently adjustable value**
- Especially suitable for application in industrial series production
- Setting the desired torque value with adjustment wrench 6399 together with HAZET torque tester 7901 E, 7902 E, 7903 E or any other suitable device
- **All wrenches of this series (HAZET 6391-6392) are without a scale and a signal transmitter**
- With calibration certificate and serial number
- DIN EN ISO 6789-2:2017





HAZET No.	Output	l mm	l_1 mm	a mm	b mm	Release accuracy tolerance %	Nm	kg	EAN-No. 4000896+
6391-25	□ 9x12	183	143	17	22	2	2–25	1.2–14.7	027040
6391-35	□ 9x12	183	143	17	22	2	15–35	8.8–20.6	027057
• Factory preset triggering value as requested									
6391-25 V	□ 9x12	183	143	17	22	2	2–25	1.2–14.7	145867
6391-35 V	□ 9x12	183	143	17	22	2	15–35	8.8–20.6	145874

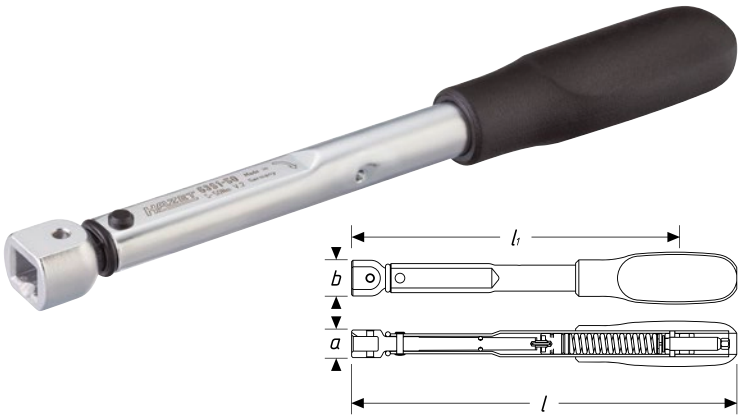
Components and spare parts
from page 482 to 490

6300 Torque wrench · ±2% accuracy · 5–85 Nm

Made in Germany

- **Accuracy ± 2 % of set value** (in direction of actuation)
  Left tightening with same accuracy possible by reversing the wrench
- Plug-and-socket connection to hold insert tools
- **Permanently adjustable value**
- Especially suitable for application in industrial series production
- Setting the desired torque value with adjustment wrench 6399 together with HAZET torque tester 7901 E, 7902 E, 7903 E or any other suitable device
- **All wrenches of this series (HAZET 6391-6392) are without a scale and a signal transmitter**
- With calibration certificate and serial number
- DIN EN ISO 6789-2:2017

Ⓔ 9 x 12



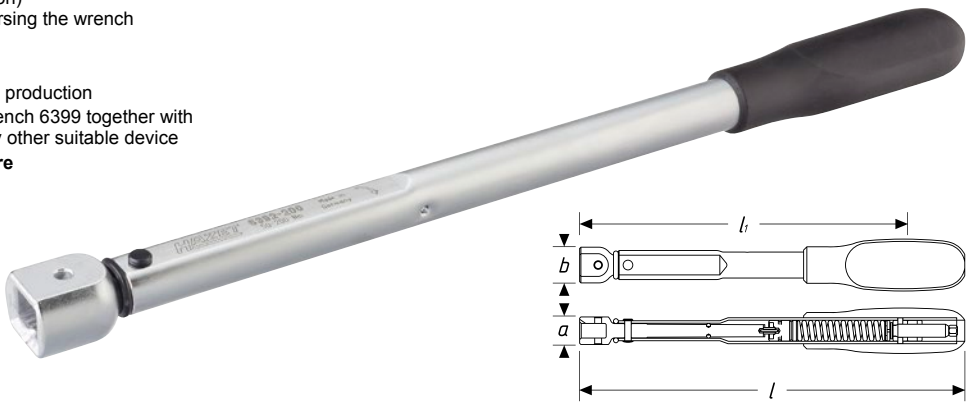
HAZET No.	Output	l mm	l_1 mm	a mm	b mm	Release accuracy tolerance %	Nm	kg	EAN-No. 4000896+
6391-50	□ 9x12	241	201	17	22	2	5–50	2.2–22.1	027064
6391-85	□ 9x12	316	276	17	22	2	15–85	5.0–28.3	027071
• Factory preset triggering value as requested									
6391-50 V	□ 9x12	241	201	17	22	2	5–50	2.2–22.1	145881
6391-85 V	□ 9x12	316	276	17	22	2	15–85	5.0–28.3	145898

6300 Torque wrench · ±2% accuracy · 50–320 Nm

Made in Germany

- **Accuracy ± 2 % of set value** (in direction of actuation)
  Left tightening with same accuracy possible by reversing the wrench
- Plug-and-socket connection to hold insert tools
- **Permanently adjustable value**
- Especially suitable for application in industrial series production
- Setting the desired torque value with adjustment wrench 6399 together with HAZET torque tester 7901 E, 7902 E, 7903 E or any other suitable device
- **All wrenches of this series (HAZET 6391-6392) are without a scale and a signal transmitter**
- With calibration certificate and serial number
- DIN EN ISO 6789-2:2017

Ⓔ 14 x 18



HAZET No.	Output	l mm	l_1 mm	a mm	b mm	Release accuracy tolerance %	Nm	kg	EAN-No. 4000896+
6392-200	□ 14x18	401	359	23	30	2	50–200	12.8–51.4	027118
6392-320	□ 14x18	631	589	23	30	2	60–320	9.8–52.0	027125
• Factory preset triggering value as requested									
6392-200 V	□ 14x18	401	359	23	30	2	50–200	12.8–51.4	145904
6392-320 V	□ 14x18	631	589	23	30	2	60–320	9.8–52.0	145911

6399 Adjustment wrench

Made in Germany

- For HAZET torque wrenches 6391 to 6392 (V)



HAZET No.	l mm	EAN-No. 4000896+
6399	167	027170

Components and spare parts from page 482 to 490

Insert tools

6396 Tool holder

Made in Germany

- **Forged from solid steel**
- **Plug-and-socket connection** to accommodate insert tools
- **Without any torque function**



HAZET No.	Output	l mm	EAN-No. 4000896+
6396	□ 9x12	405	027132
6397	□ 14x18	635	027149

6602 Insert reversible ratchet

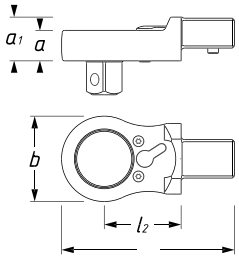
Made in Germany

14 x 18

- 40 teeth
- maximum 200 Nm (6602-1)
  maximum 320 Nm (6604-1)
- Surface: chrome-plated
- DIN 3120, ISO 1174-1



YouTube Clip





HAZET No.	Drive	Output	l mm	l2 mm	a mm	a1 mm	b mm	EAN-No. 4000896+
6602-1	■ 14x18	■ 10 = ⅜"	81	36	14.3	20.5	40	179695
6604-1	■ 14x18	■ 12.5 = ½"	81	36	14.3	20.5	40	179701

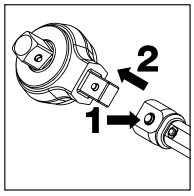
6401-1 Insert reversible ratchet

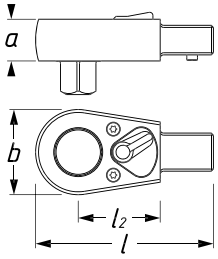
Made in Germany

Ⓔ

- 6401-1 20 teeth – maximum 40 Nm
  6402-1 30 teeth – maximum 120 Nm
  6403-1 32 teeth – maximum 120 Nm
  6404-1 32 teeth – maximum 300 Nm
- Drop forged
- Surface: chrome-plated
- DIN 3120, ISO 1174-1







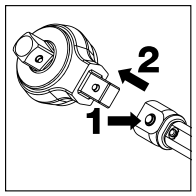
HAZET No.	Drive	Output	l mm	l2 mm	a mm	b mm	EAN-No. 4000896+
6401-1	■ 9x12	■ 6.3 = ¼"	46.5	19.5	9.9	21.8	027439
6402-1	■ 9x12	■ 10 = ⅜"	61	30	15	30	027460
6403-1	■ 9x12	■ 12.5 = ½"	74.5	38.5	19.6	40	027521
6404-1	■ 14x18	■ 12.5 = ½"	83.5	38.5	19.6	40	027552

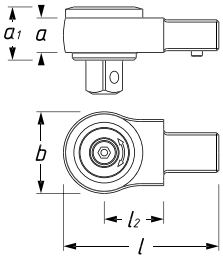
6401 Insert reversible ratchet

Made in Germany

- Fine tooth, **72 teeth,** rotation angle 5°
- Drop-forged
- Surface: chrome-plated
- DIN 3120, ISO 1174-1







HAZET No.	Drive	Output	l mm	l2 mm	a mm	a1 mm	b mm	EAN-No. 4000896+
6401 N	■ 9x12	■ 6.3 = ¼"	46	17.5	11	16.5	25	115204
6402	■ 9x12	■ 10 = ⅜"	58.5	26	14.5	22.7	34.5	027453
6403	■ 9x12	■ 12.5 = ½"	58.5	26	14.5	22.5	34.5	027514
6404	■ 14x18	■ 12.5 = ½"	70.5	27	15.7	24.1	37	027545
6406	■ 14x18	■ 20 = ¾"	101	44	24	35.6	64	027576

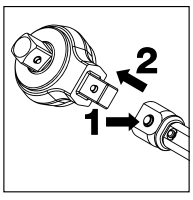
6401 S Insert reversible ratchet

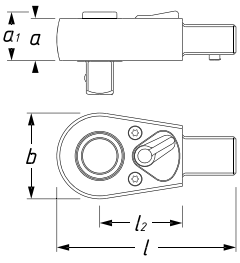
Made in Germany

Ⓔ

- **Quick-release safety lock**
- 6401-1 S 20 teeth
  6402-1 S 30 teeth
  6403-1 S 32 teeth
  6404-1 S 32 teeth
- Drop forged
- Surface: chrome-plated
- DIN 3120, ISO 1174-1







HAZET No.	Drive	Output	l mm	l2 mm	a mm	a1 mm	b mm	EAN-No. 4000896+
6401-1 S	■ 9x12	■ 6.3 = ¼"	46.5	19.5	9.9	12.2	21.8	027446
6402-1 S	■ 9x12	■ 10 = ⅜"	61	30	15	17.2	30	027477
6403-1 S	■ 9x12	■ 12.5 = ½"	74.5	38.5	19.6	22.7	40	027538
6404-1 S	■ 14x18	■ 12.5 = ½"	83.5	38.5	19.6	22.7	40	027569

Components and spare parts
from page 482 to 490

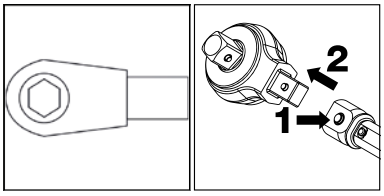
6408 Insert reversible ratchet for bits

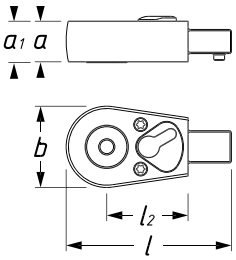
Made in Germany

- Screwdriver bit socket
- Drop forged
- Surface: chrome-plated

YouTube Clip



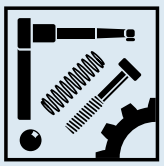




HAZET No.	Drive	Output	l mm	l2 mm	a mm	a1 mm	b mm	EAN-No. 4000896+
6408	■ 9x12	⬡ 6.3 = ¼″, ○	46.5	19.5	9.9	11.7	21.8	027583
	• ⬡ drive 8 = 5⁄16″							
	• 30 teeth							
6408-1	■ 9x12	⬡ 8 = 5⁄16″, ○	46.5	30	15	15.3	30	027590

Wear? – No problem!

- **HAZET** tools are manufactured to **the highest quality**. During long intensive loading there is a certain level of wear even for high-quality tools.
- For this reason, there are spare parts and replacement sets available for many of our tools.

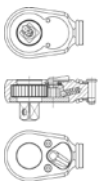


Please also see our spare parts shop
www.hazet.de/ersatzteil-shop

Cost-saving – Sustainable – Resource-saving!
For long-term pleasure with your HAZET tools

8816 Replacement set

Made in Germany





HAZET No.	EAN-No. 4000896+
• **Replacement set for shift lever** consisting of: shift lever · screws · ball · compression spring · pawl For HAZET reversible ratchet 8816 G · 8816 GK · 8816 P · 8816 S · 8816 ST 916 K · 2264-1 For HAZET torque wrench 5110-2 CT · 5120-2 CT · 5110-3 CT · 5111-3 CT · 5120-3 CT 6110 CT · 6110-1 CT · 6111-1 CT 6114-1 CT · 6115-1 CT 6402-1 · 6402-1 S · 6408-1	
8816 P/6	144617
• **Replacement set for ratchet wheel** 10 = ⅜″ ■ consisting of: ratchet wheel · pawl · shift lever · screws · ball · compression spring For HAZET reversible ratchet 8816 G · 8816 GK · 8816 P · 8816 ST For HAZET torque wrench 5110-2 CT · 5110-3 CT · 5111-3 CT 6110 CT · 6110-1 CT · 6111-1 CT 6114-1 CT · 6115-1 CT · 6402-1	
8816 P/7 N	042234

▶

8816 Replacement set

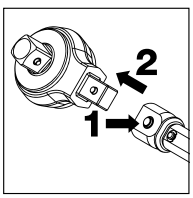
◀

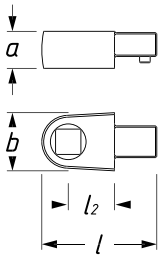
HAZET No.	EAN-No. 4000896+
• **Replacement set for shift lever** consisting of: shift lever · screws · ball · compression spring For HAZET torque wrench 5107-2 CT · 5107-3 CT · 5108-2 CT · 5108-3 CT 6106-1 CT · 6108-1 CT · 6109-1 CT · 6109-2 CT · 6401-1 · 6401-1 S · 6408	
6401-1/6	146048
• **Replacement set for ratchet wheel** 6.3 = ¼″ ■ consisting of: ratchet wheel · pawl · shift lever · screws · ball · compression spring For HAZET torque wrench 5107-2 CT · 5107-3 CT · 5108-2 CT · 5108-3 CT 6106-1 CT · 6108-1 CT · 6109-1 CT · 6109-2 CT · 6401-1	
6401/7	111169
• **Replacement set for ratchet wheel** 6.3 = ¼″ ■ consisting of: **ratchet wheel with safety lock** · pawl · shift lever · screws · ball · compression spring For 6401-1 S as well as for **retrofitting** insert reversible ratchets 5107-2 CT · 5107-3 CT · 5108-2 CT · 5108-3 CT 6106-1 CT · 6108-1 CT · 6109-2 CT	
6401-1 S/7	111152
• **Replacement set for shift lever** consisting of: shift lever · screws · ball · compression spring · spring washer and circlip For HAZET insert reversible ratchet 6403-1 · 6403-1 S · 6404-1 · 6404-1 S	
6403-1/7	070756
• **Replacement set for ratchet wheel** 12.5 = ½″ ■ consisting of: ratchet wheel · pawl · shift lever · screws · ball · compression spring · spring washer · circlip For 6403-1 · 6404-1	
6403-1/9	070749
• **Replacement set for ratchet wheel** 12.5 = ½″ ■ consisting of: **ratchet wheel with safety lock** · pawl · shift lever · screws · ball · compression spring · spring washer · circlip For 6403-1 S · 6404-1 S	
6403-1 S/9	070817
• **Replacement set for ratchet wheel with safety lock** 10 = ⅜″ ■ consisting of: Ratchet wheel **with safety lock** · pawl · shift lever · screws · ball · compression spring For HAZET reversible ratchets 8816 S · 6402-1 S as well as for retrofitting HAZET reversible ratchets 8816 P · 8816 G · 8816 GK · 8816 ST · 6110 CT · 6110-1 CT · 6111-1 CT · 6114-1 CT · 6115-1 CT · 6402-1	
8816 S/7	048465

6413 Insert tool holder with square drives

Made in Germany



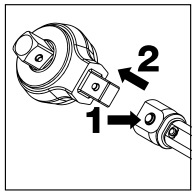
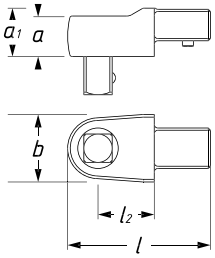




HAZET No.	Drive	Output	l mm	l2 mm	a mm	b mm	EAN-No. 4000896+
• **Tool holder** insert square 9x12 • ☐ Drive 10 = ⅜″							
6413-1	■ 9x12	☐ 10 = ⅜″	43.5	17.5	14	22	027644
• Sliding square							
6413-2	■ 10 = ⅜″	■ 6.3 = ¼″	22	–	–	–	048908
6413-3	■ 10 = ⅜″	■ 10 = ⅜″	25	–	–	–	048892
6413-4	■ 10 = ⅜″	■ 12.5 = ½″	30.2	–	–	–	048885

6414 Insert square drives

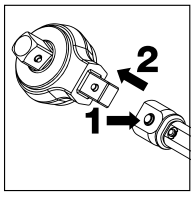
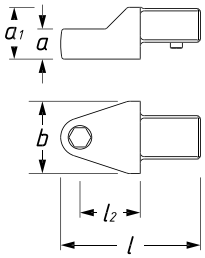
Made in Germany
• Surface: chrome-plated
• DIN 3120, ISO 1174-1

HAZET No.	Drive	Output	l mm	l2 mm	a mm	a1 mm	b mm	EAN-No. 4000896+
6414	■ 14x18	■ 12.5 = ½"	63.5	25	18	21.5	30	027668

6420 Insert tool holder for bits

Made in Germany
• Surface: chrome-plated
• ISO 1173

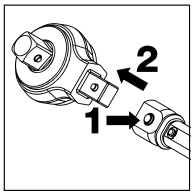
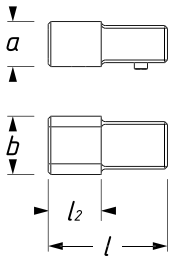




HAZET No.	Drive	Output	l mm	l2 mm	a mm	a1 mm	b mm	EAN-No. 4000896+
6420 b	■ 9x12	⬡ 6.3 = ¼"	40.5	17.5	10	14.5	20	027903
6420 c	■ 9x12	⬡ 8 = 5/16"	41.5	17.5	12.5	14.5	20	027910
6420 d	■ 14x18	⬡ 8 = 5/16"	58	25	12.5	21.5	30	027927

6423 Insert adapter

Made in Germany
• Surface: chrome-plated

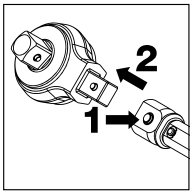
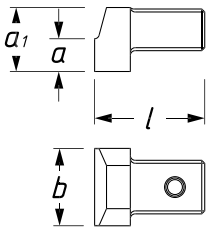


HAZET No.	Drive	Output	l mm	l2 mm	a mm	b mm	EAN-No. 4000896+
• Amplifier for square insert 9x12 → 14x18							
6423 c	■ 9x12	□ 14x18	50	34	22.9	30	027934
• Reducer for square insert 14x18 → 9x12							
6423 d	■ 14x18	□ 9x12	45	20	17	22	057559

6430 Blank-end insert

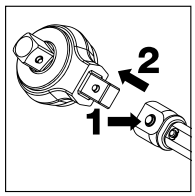
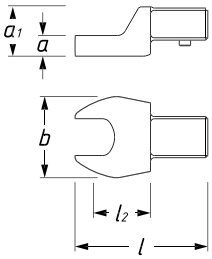
Made in Germany
• Spring, bolt and cover included in delivery
Caution: when welding-on tools, the release torque values may change. Observe effective lengths (see conversion table on page 279)



YouTube Clip


HAZET No.	Drive	l mm	a mm	a1 mm	b mm	EAN-No. 4000896+
6430 c	■ 9x12	25	10	14.5	19	027958
6430 d	■ 14x18	38	11	21.5	26	027965

6450 C Insert open-end wrench

Made in Germany
• Surface: chrome-plated

HAZET No.	s mm	Drive	Output	l mm	l2 mm	a mm	a1 mm	b mm	EAN-No. 4000896+
6450 c- 7	7	■ 9x12	◉	36.5	17.5	5.5	14.5	20	028429
6450 c- 8	8	■ 9x12	◉	37	17.5	5.5	14.5	21.5	028436
6450 c- 9	9	■ 9x12	◉	37.5	17.5	5.5	14.5	23	028443
6450 c-10	10	■ 9x12	◉	38	17.5	5.5	14.5	24.5	028320
6450 c-11	11	■ 9x12	◉	38.5	17.5	5.5	14.5	26	028337
6450 c-12	12	■ 9x12	◉	38.5	17.5	5.5	14.5	27.5	028344
6450 c-13	13	■ 9x12	◉	39	17.5	5.5	14.5	29	028351
6450 c-14	14	■ 9x12	◉	42	20	7.5	14.5	31	028368
6450 c-15	15	■ 9x12	◉	42.5	20	7.5	14.5	33	028375
6450 c-16	16	■ 9x12	◉	43	20	7.5	14.5	35	028382
6450 c-17	17	■ 9x12	◉	43.5	20	7.5	14.5	37	028399
6450 c-18	18	■ 9x12	◉	44	20	7.5	14.5	39	028405
6450 c-19	19	■ 9x12	◉	45	20	7.5	14.5	41	028412
6450 d-13	13	■ 14x18	◉	56.5	25	7	21.5	30	028450
6450 d-14	14	■ 14x18	◉	57	25	7	21.5	32	028467
6450 d-15	15	■ 14x18	◉	57.5	25	7	21.5	34	028474
6450 d-16	16	■ 14x18	◉	58	25	9	21.5	35.5	028481
6450 d-17	17	■ 14x18	◉	58.5	25	9	21.5	37	028498
6450 d-18	18	■ 14x18	◉	59	25	9	21.5	39	028504
6450 d-19	19	■ 14x18	◉	59.5	25	9	21.5	41	028511
6450 d-21	21	■ 14x18	◉	60.5	25	11	21.5	45	028528
6450 d-22	22	■ 14x18	◉	61	25	11	21.5	47	028535
6450 d-24	24	■ 14x18	◉	62	25	11	21.5	51	028542
6450 d-27	27	■ 14x18	◉	68.5	32.5	13	22.5	58.5	028559
6450 d-30	30	■ 14x18	◉	70	32.5	13	22.2	63	028566
6450 d-32	32	■ 14x18	◉	71.5	32.5	13	22.2	65	028573
6450 d-34	34	■ 14x18	◉	73.2	32.5	13	22.2	68.5	050178
6450 d-36	36	■ 14x18	◉	70	32.5	13	22.2	67	072507
6450 d-38	38	■ 14x18	◉	70	32.5	13	22.2	67	072514
6450 d-41	41	■ 14x18	◉	79	40	12.4	22.5	82	028580

Components and spare parts
from page 482 to 490

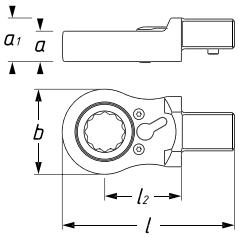
6606 D Ratcheting insert box-end wrench

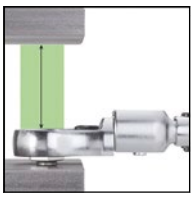
Made in Germany

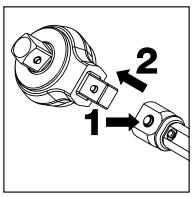
- **Switching function**
- 40 teeth
- Max.: 320 Nm
- Drop forged
- Deep-set reversing switch prevents unintentional change-over
- Specially for HAZET torque wrenches 6291-1CT – 6293-1CT
- Extra flat design with deep offset allows application in areas with restricted access
- Surface: chrome-plated



YouTube Clip







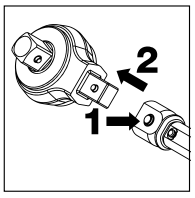
HAZET No.	s mm	Drive	Output	l mm	l2 mm	a mm	a1 mm	b mm	EAN-No. 4000896+
6606 D-16	16	■ 14x18	◉	81	36	14.3	20.5	40	179923
6606 D-17	17	■ 14x18	◉	81	36	14.3	20.5	40	179886
6606 D-18	18	■ 14x18	◉	81	36	14.3	20.5	40	179893
6606 D-19	19	■ 14x18	◉	81	36	14.3	20.5	40	179909
6606 D-21	21	■ 14x18	◉	81	36	14.3	20.5	40	179916

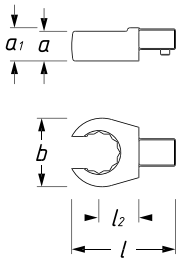
6612 C Insert box-end wrench · open

Made in Germany

- Surface: chrome-plated







HAZET No.	s mm	Drive	Output	l mm	l2 mm	a mm	a1 mm	b mm	EAN-No. 4000896+
6612 c-10	10	■ 9x12	◉	42.3	17.5	12	14.5	22	028726
6612 c-11	11	■ 9x12	◉	42.8	17.5	12	14.5	22.5	028733
6612 c-12	12	■ 9x12	◉	43.4	17.5	12	14.5	24	028740

6612 C Insert box-end wrench · open



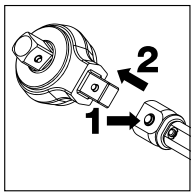
HAZET No.	s mm	Drive	Output	l mm	l2 mm	a mm	a1 mm	b mm	EAN-No. 4000896+
6612 c-13	13	■ 9x12	◉	43.7	17.5	12	14.5	25	028757
6612 c-14	14	■ 9x12	◉	44.4	17.5	13	14.5	27	028764
6612 c-16	16	■ 9x12	◉	45.4	17.5	13	14.5	30	028771
6612 c-17	17	■ 9x12	◉	45.9	17.5	13	14.5	31.5	028788
6612 c-18	18	■ 9x12	◉	46.1	17.5	15	15	33	028795
6612 c-19	19	■ 9x12	◉	46.8	17.5	15	15	34.5	028801
6612 c-21	21	■ 9x12	◉	48	17.5	15	15	37.5	028818
6612 c-22	22	■ 9x12	◉	48.8	17.5	15	15	39	028825

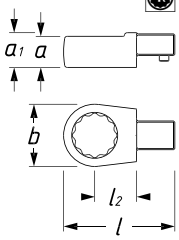
6630 C Insert box-end wrench

Made in Germany

- Surface: chrome-plated







HAZET No.	s mm	Drive	Output	l mm	l2 mm	a mm	a1 mm	b mm	EAN-No. 4000896+
6630 c- 7	7	■ 9x12	◉	40	17.5	8	14.5	20	028955
6630 c- 8	8	■ 9x12	◉	40.6	17.5	8	14.5	20	028962
6630 c-10	10	■ 9x12	◉	42.1	17.5	8	14.5	20	028832
6630 c-11	11	■ 9x12	◉	42.8	17.5	8	14.5	20	028849
6630 c-12	12	■ 9x12	◉	43.5	17.5	12	14.5	22	028856
6630 c-13	13	■ 9x12	◉	44.3	17.5	12	14.5	22	028863
6630 c-14	14	■ 9x12	◉	45	17.5	12	14.5	23	028870
6630 c-15	15	■ 9x12	◉	45.5	17.5	12	14.5	24	028887
6630 c-16	16	■ 9x12	◉	46.5	17.5	13	14.5	26	028894
6630 c-17	17	■ 9x12	◉	47	17.5	13	14.5	27	028900
6630 c-18	18	■ 9x12	◉	47.8	17.5	13	14.5	28.5	028917
6630 c-19	19	■ 9x12	◉	48.8	17.5	13	14.5	30.5	028924
6630 c-21	21	■ 9x12	◉	50	17.5	15	15	33	028931
6630 c-22	22	■ 9x12	◉	50.8	17.5	15	15	34.5	028948
6630 d-13	13	■ 14x18	◉	60.8	25	12	21.5	30	028979
6630 d-14	14	■ 14x18	◉	61.5	25	12	21.5	30	028986
6630 d-15	15	■ 14x18	◉	62	25	12	21.5	30	028993
6630 d-16	16	■ 14x18	◉	62.9	25	12	21.5	30	029006
6630 d-17	17	■ 14x18	◉	63.6	25	12	21.5	30	029013
6630 d-18	18	■ 14x18	◉	64.3	25	12	21.5	30	029020
6630 d-19	19	■ 14x18	◉	65.3	25	12	21.5	30.5	029037
6630 d-21	21	■ 14x18	◉	66.5	25	15	21.5	33	029044
6630 d-22	22	■ 14x18	◉	67.3	25	15	21.5	34.5	029051
6630 d-24	24	■ 14x18	◉	68.8	25	15	21.5	37.5	029068
6630 d-27	27	■ 14x18	◉	76.8	31	17.5	21.5	41.5	029075
6630 d-30	30	■ 14x18	◉	78.5	31	17.5	21.5	45	029082
6630 d-32	32	■ 14x18	◉	79.8	31	17.5	21.5	47.5	029099
6630 d-34	34	■ 14x18	◉	81.3	31	19	21.5	50.5	029105
6630 d-36	36	■ 14x18	◉	82.5	31	19	21.5	53	029112
6630 d-41	41	■ 14x18	◉	85.5	31	19	21.5	59	029129

Torque testers and Accessories

6690 Mechanical angle dial

Made in Germany

- **Flexible, magnetic holder for the fixed point**
- To be used with operating tools with ■ drive 12.5 = ½″ (or 20 = ¾″) and tools with □ drive 12.5 = ½″ (or 20 = ¾″)
- Range 0–360°, graduation 1°, 95 mm ∅



HAZET No.	Drive	Output	EAN-No. 4000896+
6690	□ 12.5 = ½″	■ 12.5 = ½″	029266
6690-1	□ 20 = ¾″	■ 20 = ¾″	029273

Components and spare parts from page 482 to 490

7900 E Torque tester · electronic · 1–25 Nm

- **Measuring range 1–25 Nm (maximum torque)**
- **Fixed hexagon socket, ⬢ ISO 1173 C-6.3 = 1/4" adapters included 6.3 1/4" – 6.3 1/4" and 6.3 1/4" – 10 3/8"**

- **Accuracy ±1 %**
- 3 operation modes:
  – Tracking mode (track)
  – Click point detection (first peak)
  – DIAL mode for peak value indication (final peak)
- Delivery includes mains adapter and RS-232C connection cable to computer and/or printer
- Compatible with HAZET testing software 7901 E-D
- Big and easy to read **LED status display** with 3 LED
- Quick wall or table fixation with 4 screws
- Simple handling
- Calibration in Nm, torque units lbf.ft and lbf.in may also be selected
- Possibility to enter target torque setting and percentage tolerance setting
- Including test certificate
- Weight device: 3.28 kg
  Weight including case and mains adapter: 4.66 kg
- H 97.5 x ∅ 160 mm





HAZET No.	Drive	Nm	EAN-No. 4000896+
7903 E	⬢ 6.3 = 1/4"	1–25	167425

7900 E Torque tester · electronic · 10–350 Nm

- **Measuring range 10–350 Nm (maximum torque)**
- **Fixed square socket, 12.5 = 1/2"**

- **Accuracy ±1 %**
- 3 operation modes:
  – Tracking mode (track)
  – Click point detection (first peak)
  – DIAL mode for peak value indication (final peak)
- Delivery includes mains adapter and RS-232C connection cable to computer and/or printer
- Compatible with HAZET testing software 7901 E-D
- Big and easy to read **LED status display** with 3 LED
- Quick wall or table fixation with 4 screws
- Simple handling
- Calibration in Nm, torque units lbf.ft and lbf.in may also be selected
- Possibility to enter target torque setting and percentage tolerance setting
- Including test certificate
- Weight device: 3.28 kg
  Weight including case and mains adapter: 4.66 kg
- H 97.5 x ∅ 160 mm





HAZET No.	Drive	Nm	EAN-No. 4000896+
7901 E	□ 12.5 = 1/2"	10–350	140671

7900 E Torque tester · electronic · 100–1000 Nm

- **Measuring range 100–1000 Nm (maximum torque)**
- **Fixed hexagon socket, *s* 27 mm**

- **Accuracy ±1 %**
- 3 operation modes:
  – Tracking mode (track)
  – Click point detection (first peak)
  – DIAL mode for peak value indication (final peak)
- Delivery includes mains adapter and RS-232C connection cable to computer and/or printer
- Compatible with HAZET testing software 7901 E-D
- Big and easy to read **LED status display** with 3 LED
- Quick wall or table fixation with 4 screws
- Simple handling
- Calibration in Nm, torque units lbf.ft and lbf.in may also be selected
- Possibility to enter target torque setting and percentage tolerance setting
- Including test certificate
- Weight device: 3.28 kg
  Weight including case and mains adapter: 4.66 kg
- H 97.5 x ∅ 160 mm (182 mm including testing hexagon)





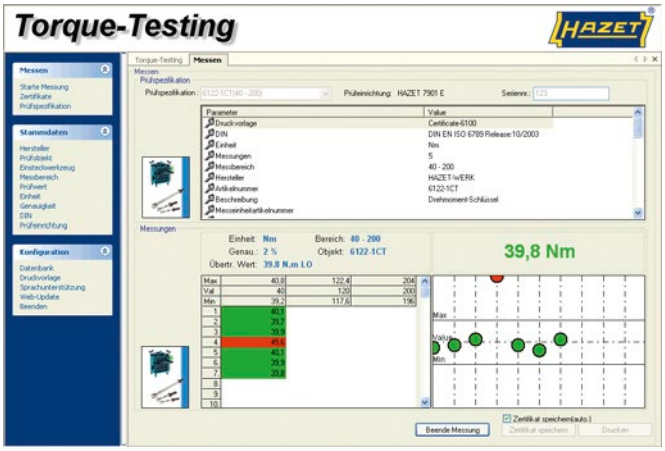
HAZET No.	Drive	Nm	EAN-No. 4000896+
7902 E	⬢ 27 mm	100–1000	150229

Components and spare parts
from page 482 to 490

7900 E Torque testing software

Made in Germany

• For the electronic torque testers 7901 E, 7902 E and 7903 E



- Database (updates will be available) of all current HAZET torque wrenches (whose test values are in the range of 1–1000 Nm) and insert tools included
- Optional expansion of the database to include data of other manufacturers, further release torque wrenches (click-type), insert tool holders, measuring ranges, test values, units, tolerances and standards
- Software for creating user-own certificate layouts and optional integration of company logos
- Language tool included. German and English is already available. By means of the language tool, the user creates the operating surface, tables and designation of boxes in any required language
- Internet update function
- Detailed documentation included

System prerequisite
Operating system: Windows 7® / Windows 8® / Windows 10® (64 Bit)
Memory requirement: minimum 50 MB free hard disk memory
Working memory: min. 256 MB
Ports: 1. USB port for software
2. Ports for test devices
COM port (connecting cable included in delivery of the electronic torque test device)
Graphics resolution: minimum 1024 x 768
Important:
If the hardware does not have a COM port, the test device can also be connected with an adapter USB to the COM port (RS 232) (not included in delivery)

HAZET No.	EAN-No. 4000896+
7901 E-D	148202

7920 E Torque calibration unit

Made in Germany

6.3 ¼″ 10 ⅜″ 12.5 ½″ 20 ¾″ 25 1″

• Modular system with high-quality, replaceable torque sensors

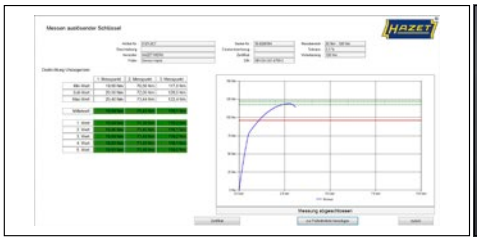


- Application: Calibration of indicating and releasing torque wrenches according to DIN EN ISO 6789-1:2017 and -2:2017

Motor-operated torque calibration unit controlled by integrated PC.
High-quality torque sensors:

- Replaceable torque sensors in 2 accuracy classes determine the torque range:
  – 0.25% – for indicating and setting torque wrenches with an accuracy of ± 1% (e.g. for product group 7000 sTAC · 7000 eTAC)
  – 0.50% – for indicating and setting torque wrenches with an accuracy of ± 2% (e.g. for product group 6000 CT)
- Quick-change system for nominal size sockets 6.3 ¼ 10 ⅜ 12.5 ½ 20 ¾ 25 1
- Automatic sensor recognition
- Extendable arm up to 1.20 m, including height adjustment
- Directions of actuation right/left can be calibrated
- Integrated PC (Windows 10 operating system)
  Connection options for monitor, keyboard and mouse (not included in scope of delivery) as well as remote access via remote desktop
- Software included
  – Test stand control
  – Measurement data logging
  – Calibration certificate, declaration of conformity or combination of the two (like HAZET) also with customised company data
  – Parts management – HAZET data pool including all parameters for consideration of uncertainty of measurement
  – Tool management
  – Online update and remote maintenance service
- Dimensions Length: approx. 1140 mm (1680 mm extended) Width x Height: approx. 570 x 600 mm
- Power supply: 200–250 V / PE-N / 50–60 Hz
- 3 height-adjustable feet for horizontal alignment
- Price on request, delivery time to be coordinated













7920 E-200-1 · -2
7920 E-800-1 · -2

►

7920 E Torque calibration unit

◀

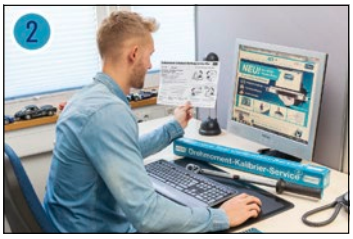
6.3 ¼" 10 ⅜" 12.5 ½" 20 ¾" 25 1"

HAZET No.	EAN-No. 4000896+
• **Torque calibration unit** without sensors **7920 E**	223756
• **Torque sensor** for calibration unit 7920 E • 1 – 200 Nm · accuracy class 0.25 % **7920 E-200-1**	219230
• **Torque sensor** for calibration unit 7920 E • 1 – 200 Nm · accuracy class 0.50 % **7920 E-200-2**	219247
• **Torque sensor** for calibration unit 7920 E • 60 – 800 Nm · accuracy class 0.25 % **7920 E-800-1**	219254
• **Torque sensor** for calibration unit 7920 E • 60 – 800 Nm · accuracy class 0.50 % **7920 E-800-2**	219223

SP-10 – 30 HAZET SERVICE for torque wrenches and pneumatic tools

Made in Germany









All HAZET torque tools and pneumatic tools are serviceable! Along with repairs, we offer factory tests through to calibration in our own DAkkS calibration laboratory for torque wrenches in the HAZET Service Center. Your local HAZET partner will be happy to advise you on all the services provided by the HAZET Service Center as well as local on-site services.



Components and spare parts
from page 482 to 490


HAZET
HAZET
HAZET
9212M-1
HAZET

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Pictogram key

	High performance pin clutch mechanism
	Powerful twin hammer striking mechanism
	Single hammer striking mechanism
	Direct hammer striking mechanism
	Twin Turbo technology
mini TOOL	Mini tool
	Output
	Air inlet thread
Nm	Recommended torque
max. Nm	Max. torque
max. Nm	Max. loosening torque

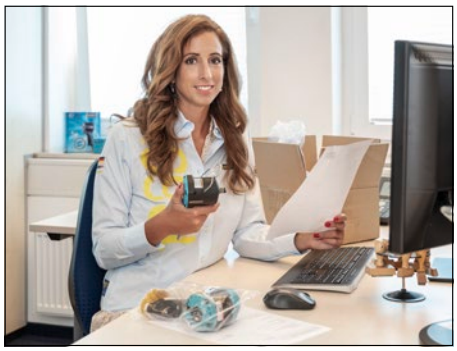
1/min.	Max. rotation speed, rpm
Hub/mm	Stroke
R L 1/min	Max. rotation speed, rpm Forward/reverse
kg	Weight (net) [without nipples]
Ø mm	Pressure hose
l/min.	Air requirement
bar	Working pressure
dB(A)	Sound pressure level (Lp A)
dB(A)	Sound power level (Lp W)
m/s²	Vibration acceleration
M	Screw size

mm	Collet chuck
mm	Grinding disc Ø
mm	Saw stroke
Stahl mm	Cutting capacity: sheet steel
Alu mm	Cutting capacity: aluminium
bar	Measuring range (manometer)
bar	Scale graduation
°C	Temperature range
	Cold-insulated handle
	Number of pieces in set / assortment

All pneumatic machines are operated with 6.3 bar.

HAZET SERVICE for torque wrenches and pneumatic tools

All HAZET torque tools and pneumatic tools are serviceable! Along with repairs, we offer factory tests through to calibration in our own DAkkS calibration laboratory for torque wrenches in the HAZET Service Center. Your local HAZET partner will be happy to advise you on all the services provided by the HAZET Service Center as well as local on-site services.



The HAZET Service Centre

Direct contact and coordination point for services for all of our products

☎ +49(0)2191/792-355
FAX +49(0)2191/792-523
e-mail service-center@hazet.de

- In our specially equipped Service Centre, you can receive the best aftersales service with short response times and the complete HAZET competence.



Components and spare parts from page 482 to 490

When using pneumatic tools, there are various different parameters to consider to achieve the best possible result.

Our operating instructions contain technical information, e.g. details on working pressure, hose diameter, etc.
These details must be observed at all costs, since they have a considerable impact on the pneumatic tool's performance.

Working pressure

- Reducing the recommended working pressure by 1 bar results in a performance reduction of up to 25%.
- Too narrow or too long a hose reduces the air flow rate and with it the performance of the product.
- A higher than specified working pressure accelerates wear and tear of the tool.

Compressor

- A pneumatic tool is powered by compressed air. A compressor is needed to generate the compressed air. The compressor has to be chosen in such way that it can continuously generate the required amount of compressed air.
- With our pneumatic tools we specify in the operating instructions how much air is needed to achieve the required output. Depending on the model, our impact wrenches require between 70 and 283 litres of compressed air per minute at a working pressure of approx. 6.3 bar.
- Often the specifications on the compressor are stated "without pressure".
  This means that when "150 litres per minute" can be found as a specification on a compressor, this is the amount of compressed air produced by the compressor **without** pressure in the tank.
- If the required working pressure increases, the amount of air produced decreases drastically. For the production and storage of 150 litres of compressed air per minute at a working pressure of 6.3 bar, a large workshop compressor is required. An "ordinary household compressor" with a compressed air tank of 25 litres produces an average of 200 litres of compressed air per minute. In doing so, the motor (usually approx. 1.5 kW / 2 PS) works against a pressure of at least 6.3 bar in the compressed air tank. This means that often only an effective potential of one tenth, i.e. approx. 15 litres per minute is left over.
- Therefore it is advisable to align the specifications of the compressor and the tool which is to be used.

Air hose

- The hose diameter and length are both decisive factors for the full performance of the compressed air devices. The **internal** hose diameter should not exceed 10 mm in order to ensure the required air flow rate. The shorter the hose from the compressor to the device is, the lower the friction loss and the full pressure produced by the compressor is available to the device.

Maintenance and care

- Clean, dry air and oiling daily are guarantors for your pneumatic devices' long service life
- The long service life of the pneumatic tool is critically dependent on maintenance.
- Note the specifications in the operating instructions regarding storage and maintenance.



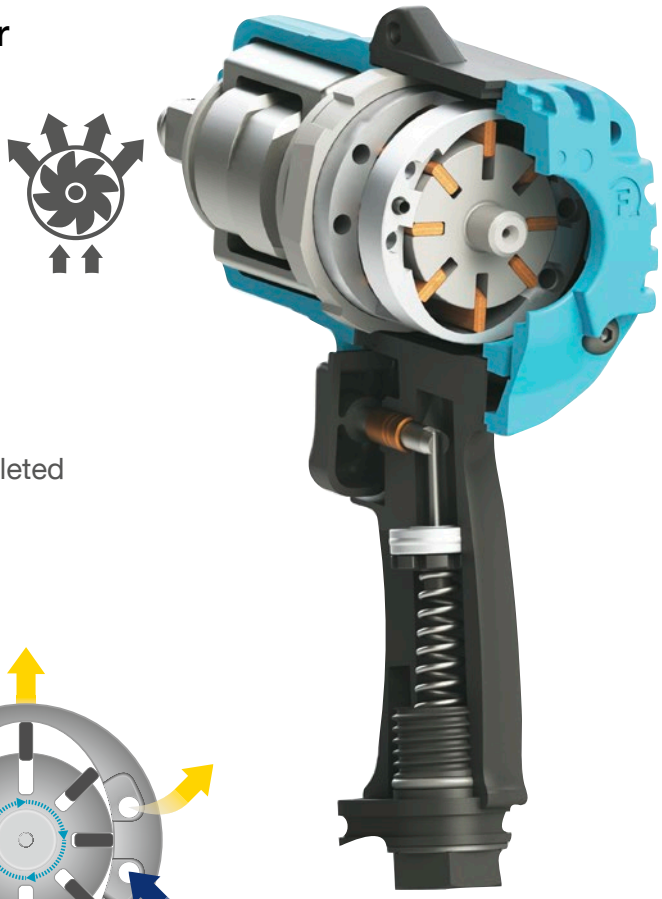


Components and spare parts
from page 482 to 490

Twin Turbo technology by HAZET

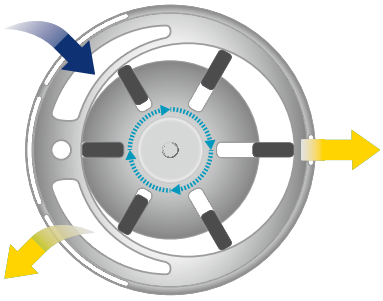
Strongest HAZET impact wrench series ever
Exclusively at HAZET

- Maximum efficiency due to the ground-breaking ”HAZET Twin Turbo technology“ enables high torques with compact design
- Innovative 8-slat air motor with 25% higher impact performance ensures maximum torque
- Long service life and high efficiency in industrial and automotive applications
- Significantly higher performance results in faster loosening of the screw connection during the screwing procedure and is thereby twice as efficient.
- Advantage: time saving, as the work procedure is completed faster, thereby consuming less air = cost savings!



Standard

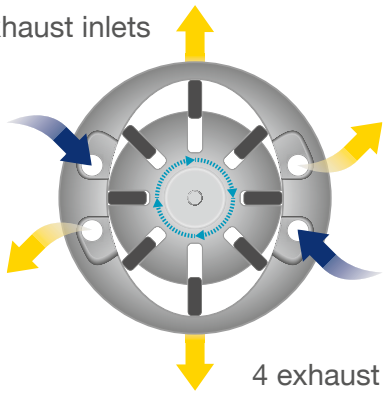
1 exhaust inlet



2 exhaust outlets

Twin Turbo

2 exhaust inlets

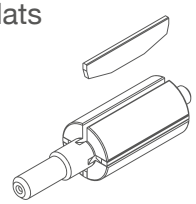


4 exhaust outlets

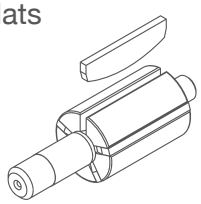
Range of mini pneumatic tools

- Extremely small and handy
- High reliability and continuous operation
- Includes safety operating lever (except 9023 M-1)
- Innovative 5-slat concept for even more power than conventional drives

Standard:
4 slats



Mini tool:
5 slats







Errors excepted

Components and spare parts
from page 482 to 490

Overview of HAZET impact wrenches

		■	max. Nm	Nm	max. Nm	db (A) LpA	db (A) LpW	l/min.	kg	Striking mechanism	m/s²
	9011 M	10 3/8″	461	375	461	90.3	101.3	85.2	1.24		7.78
	9012 M	12.5 1/2″	1100	610	678	97.1	108.1	127	1.242		9.57
	9012 M-1	12.5 1/2″	1200	610	678	92.2	103.2	127.4	1.27		13.49
	9012 MT	12.5 1/2″	1400	620	745	92.7	102	135	1.32		8.74
	9012 A TT	12.5 1/2″	550	450	500	90.1	101.1	113	1.3		4.89
	9012 SPC	12.5 1/2″	850	550	750	92.1	103.1	127.4	2.6		7.42
	9012 EL-SPC	12.5 1/2″	1700	881	1054	98	109	139	1.98		10.23
	9012 TT	12.5 1/2″	2200	948	1356	99.7	110.7	147.2	1.6		8.69
	9013 M	20 3/4″	1890	922	1085	104	93	153	2.1		7.47
	9013 Lg TT	20 3/4″	3800	1758	2020	102.5	113.5	243	5.5		9.017
	9013 TT	20 3/4″	4100	1890	2170	99.5	110.5	243.5	4.5		10.69
	9014 TT	25 1″	4100	1898	2170	101.9	112.9	235	4.6		19.11
	9014 Lg TT	25 1″	3850	1627	1762	102.5	113.5	235	5.9		17.31
	9014 PS-1	25 1″	3400	2400	2712	103.5	114.5	283	7.8		15.94
	9014 P-1	25 1″	3400	2400	2712	103.5	114.5	283	8.58		15.94

Components and spare parts
from page 482 to 490



Overview of HAZET air ratchets

		■	max. Nm	db (A) LpA	db (A) LpW	l/min.	kg	Striking mechanism	m/s²
	9020-2	6.3 1/4"	35	83	89	180	0.5		3.3
	9020 P-2	6.3 1/4"	40	90	101	72	0.5		3.3
	9023 M-1	6.3 1/4" 10 3/8" 6.3 1/4"	54	82.8	93.8	84	0.48		3.2
	9021-3	10 3/8"	35	83	89	180	0.5		3.3
	9021 P-2	10 3/8"	54	92	103	103	0.5		3.9
	9021 SR-1	10 3/8"	68	82	93	68	0.67		9.84
	9022-2	12.5 1/2"	70	88	95	180	1.2		8.5
	9022 P-2	12.5 1/2"	108	99	110	113	1.24		9.1
	9022 P-1	12.5 1/2"	95	88.3	99.3	77	1.39		3
	9022-360	12.5 1/2"	120	91.2	102.2	107.6	1.55		4.87
	9022 SR-1	12.5 1/2"	102	91	98	113	1.28		4.53
	9022 P-X Lg	12.5 1/2"	94.8	93.7	104.7	99.12	2.1		5.6

 High performance pin clutch mechanism

 Single hammer striking mechanism

 Powerful twin hammer striking mechanism

 Direct hammer striking mechanism

Components and spare parts from page 482 to 490

Overview of HAZET drilling and grinding machines

		db (A) LpA	db (A) LpW	l/min.	kg	m/s²
	9030 N-1	88.7	99.7	113	1	2.1
	9030 N-5	85	96	113	1.2	0.5
	9030 P-1	88.4	99.4	113	1.3	1.2
	9032 M	80.4	86.4	75	0.23	0.8
	9032 M-36	78.7	85.8	43.7	0.38	1.8
	9032 N-1	79	85	74	0.4	0.4
	9032 N-5	78	82	74	0.5	0.5
	9032 P-1	87	98	150	0.8	0.46
	9032 Lg-1	81	78	99	0.6	0.5
	9032 M-1	82.4	93.4	84	0.33	1.8
	9032 M-5	81.9	92.9	84	0.48	5.1
	9033-2	88.8		57	0.9	
	9033 N-4	83.8	94.8	94	0.81	1.88
	9033 N-5	80	93	79	0.64	0.77
	9033 N-6	79	82	102	1.2	0.8

Components and spare parts
from page 482 to 490

Overview of HAZET drilling and grinding machines

		db (A) LpA	db (A) LpW	l/min.	kg	m/s²
	9033 N-9	85.76	96.76	91	0.72	2.43
	9033 N-7	85	96	113	2	6.5
	9033 P-8	89.5	100.5	113	1.7	3.65
	9033-10	88	88	114	0.9	1.8
	9033-11/17	75	86	79	0.54	3.11
	9033 M-7	85.8	96.8	84	0.53	1.9
	9033 M-9	83.6	94.4	84	0.6	1.9
	9033 M-11	84.2	95.2	84	0.44	1.8
	9034 P-2	86.7	97.7	99	0.4	6.13
	9035-5	97		170	2.6	
	9035 M-5	87.9	98.8	48.1	0.48	
	9035 H/6	92–105		57–594	2.5	
	9035 V/6	92–105		57–594	2.5	
	9036 N-1	80	87	104	1	1.9
	9036 N-5	80	86	104	1	1.6

Components and spare parts
from page 482 to 490

Overview of HAZET blind rivet guns

		db (A) LpA	db (A) LpW	l/stroke	kg	m/s²
	9037 SPC	73		1	1.5	
	9037 N-2			2.64	2.11	

Overview of HAZET air blow tools

		db (A) LpA	db (A) LpW	l/min.	kg	m/s²
	9040 P-1	84		290	0.105	
	9040 P-2	84		290	0.19	
	9040 P-3	76.8		245	0.1	
	9040 P-4	83.7		235	0.165	
	9040 P-5	78		450	0.095	
	9040-3					
	9040-4	86		330	0.205	
	9040 Lg-3/2			450	0.313	

Do you know – Li-Ion batteries:

- Do not have any memory effect
- Consist of cells with 3.6 V each
- After full charge they have a higher voltage than 3.6 V i.e. 5 cells with 3.6 V each = 18 V – but after full charge a peak voltage of up to 20 V is possible
- Attention: For a longer lifetime of the battery please store it charged up to 50 to 80 % only
- Have an energy density which is twice as high as nickel cadmium batteries, for example
- Have a nominal voltage three times higher than a nickel metal hydride battery
- Require multiple complete charging cycles to reach full capacity

Components and spare parts
from page 482 to 490

Overview of HAZET grease gun, spray gun, air blow and suction gun

		db (A) LpA	db (A) LpW	l/min.	kg	m/s²
	9042 N-1			230	2	
	9042 P-4					
	9043 N-10	92	97	96	0.403	0.4
	9045 P-1			280	0.46	

Overview of HAZET cordless impact wrenches

		■	max. Nm	Nm	max. Nm	db (A) LpA	db (A) LpW	kg	m/s²
	9212 SPC-1	12.5 1/2"	260	200	200	100	111	1.45	14.912
	9212 M-1	12.5 1/2"	270	220	220	99.6	110.6	1.34	15.4
	9212-3	12.5 1/2"	700	500	500	99.4	110.4	1.857	20.3
	9212-1000	12.5 1/2"	1400		1000	101	112	3.64	17.8
	9213-1000	20 3/4"	1400		1000	101	112	3.7	17.8

Overview of HAZET cordless drilling machine / right-angle grinder / reciprocating saw

		Stroke/min.	max. Nm	rpm 1	rpm 2	db (A) LpA	db (A) LpW	kg	m/s²
	9230-2		60	0–560	0–1900	68		1.68	79
	9233-7			8000		89		2.28	7.9
	9234-1	9500				86,13	97.13		32,18

Components and spare parts from page 482 to 490

Impact wrenches

9011 M Impact wrench · extra short

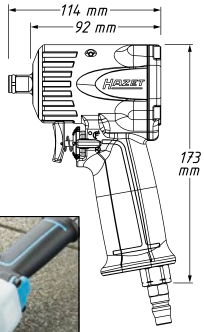
- **Loosening torque: 461 Nm**

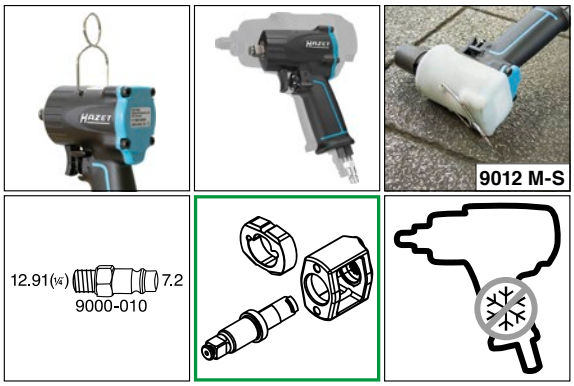
Ⓔ 10 3/8"

- Exhaust air is guided through the handle downwards
- Reduced vibrations
- Easy handling
- **Extra short – only 92 mm**
- Single hammer striking mechanism
- Air connection inlet: inside thread 12.91 mm (¼")
- Coupler plug: Nominal size 7.2 (included)
- Recommended torque: 375 Nm
- Hose diameter (recommended): 10 mm
- Working pressure (bar): 6.3
- Sound power level: 101.3 db(A) Lp W
- Vibration acceleration: 7.78 m/s²
- Loosening torque (max) determined with screw size M: 13
- Forward and reverse: three-stage (forward), single-stage (reverse)
- Cold insulated handle
- **Extremely compact construction enables working in areas with restricted access**
- One-hand operation for right and left handed operators



YouTube Clip 360°





HAZET No.	max. Nm	max. Nm	l/min.	rpm	db (A) LpA	g	EAN-No. 4000896+
9011 M	461	461	85.2	6500	90.3	1240	201570
Silicone protective cover for 9011 M and 9012 M							
9012 M-S	–	–	–	–	–	–	202232

9012 M Impact wrench · extra short

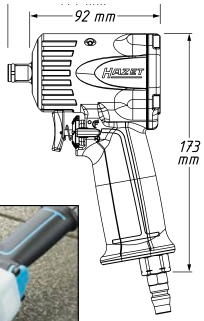
- **Loosening torque: 1100 Nm**

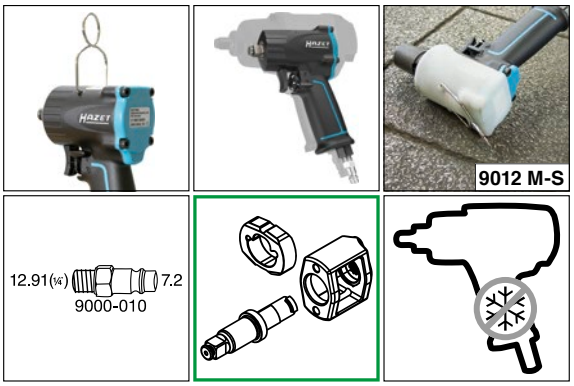
Ⓔ 12.5 1/2"

- Exhaust air is guided through the handle downwards
- Reduced vibrations
- Easy handling
- **Extra short – only 92 mm**
- Single hammer striking mechanism
- Air connection inlet: inside thread 12.91 mm (¼")
- Coupler plug: Nominal size 7.2 (included)
- Recommended torque: 610 Nm
- Hose diameter (recommended): 10 mm
- Working pressure (bar): 6.3
- Sound power level: 108.1 db(A) Lp W
- Vibration acceleration: 9.57 m/s²
- Loosening torque (max) determined with screw size M: 16
- Forward and reverse: three-stage (forward), single-stage (reverse)
- Cold insulated handle
- **Extremely compact construction enables working in areas with restricted access**
- One-hand operation for right and left handed operators



YouTube Clip





HAZET No.	max. Nm	max. Nm	l/min.	rpm	db (A) LpA	g	EAN-No. 4000896+
9012 M	1100	678	127	10000	97.1	1242	188987
Silicone protective cover for 9011 M and 9012 M							
9012 M-S	–	–	–	–	–	–	202232



Components and spare parts from page 482 to 490



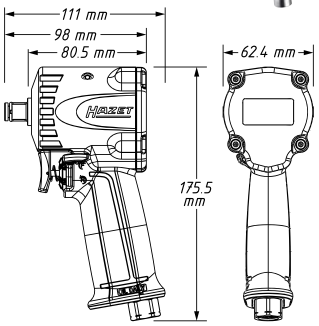
9012 M Impact wrench · extra short

- **Loosening torque: 1200 Nm**

12.5 1/2"

- Exhaust air is guided through the handle downwards
- Reduced vibrations
- Easy handling
- **Extra short – only 80 mm**
- Single hammer striking mechanism
- Air connection inlet: inside thread 12.91 mm (1/4")
- Coupler plug: Nominal size 7.2 (included)
- Recommended torque: 610 Nm
- Hose diameter (recommended): 10 mm
- Working pressure (bar): 6.3
- Sound power level: 103.2 db(A) Lp W
- Vibration acceleration: 13.49 m/s²
- Loosening torque (max) determined with screw size M: 16
- Forward and reverse: three-stage (forward), single-stage (reverse)
- Cold insulated handle
- One-hand operation for right and left-handed operators

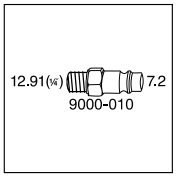


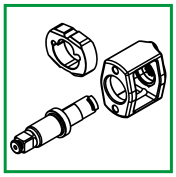


YouTube Clip











HAZET No.	max. Nm	max. Nm	l/min.	rpm	db (A) LpA	g	EAN-No. 4000896+
9012 M-1	1200	678	127.4	8800	92.2	1270	218356
Silicone protective cover for 9012 M-1							
9012 M-1-S	–	–	–	–	–	–	222735

- **Loosening torque: 1400 Nm**

12.5 1/2"

- Exhaust air is guided through the handle downwards
- Reduced vibrations
- Easy handling
- **Extra short – only 100 mm**
- Powerful twin hammer mechanism
- Air connection inlet: inside thread 16.41 mm (3/8")
- Coupler plug: Nominal size 7.2 (included)
- Recommended torque: 620 Nm
- Hose diameter (recommended): 10 mm
- Working pressure (bar): 6.3
- Sound power level: 102 db(A) Lp W
- Vibration acceleration: 8.74 m/s²
- Loosening torque (max) determined with screw size M: 16
- Forward and reverse: three-stage (forward and reverse)
- Cold insulated handle
- Mounting bracket
- One-hand operation – for right and left handed operators equally usable



YouTube Clip



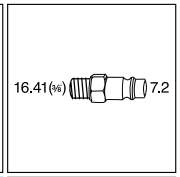


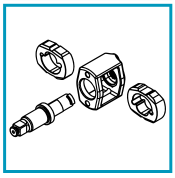


9012 Impact wrench · extra short

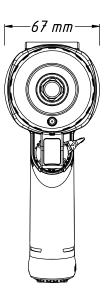
12.5 1/2"

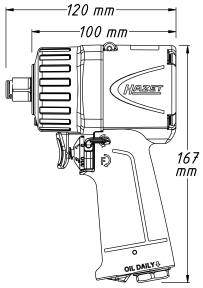












HAZET No.	max. Nm	max. Nm	l/min.	rpm	db (A) LpA	g	EAN-No. 4000896+
9012 MT	1400	745	135	9000	92.7	1320	203598

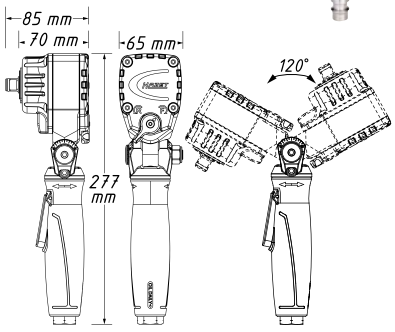
9012 ATT Twin Turbo impact wrench

- **Loosening torque: 550 Nm**

12.5 1/2"

- Exhaust air is guided through the handle downwards
- Reduced vibrations
- Easy handling
- Handle / trigger adjustable around its own axis for optimal handling allows operation in any position
- Swivel mechanism for extended application range guarantees best accessibility
- Short, compact, angled design – only 70 mm
- One-hand operation for left- and right-handed users
- Powerful twin hammer mechanism
- Air connection inlet: inside thread 12.91 mm (1/4")
- Coupler plug: Nominal size 7.2 (included)
- Recommended torque: 450 Nm
- Hose diameter (recommended): 10 mm
- Working pressure (bar): 6.3
- Sound power level: 101.1 db(A) Lp W
- Vibration acceleration: 4.89 m/s²
- Loosening torque (max) determined with screw size M: 16
- Forward and reverse: single-stage (right/left)
- Cold insulated handle



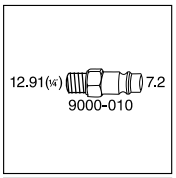


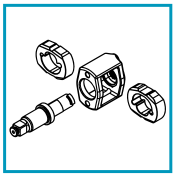
YouTube Clip



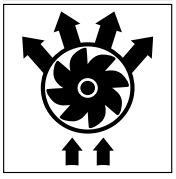


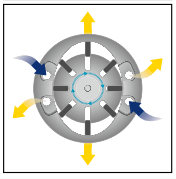












HAZET No.	max. Nm	max. Nm	l/min.	rpm	db (A) LpA	g	EAN-No. 4000896+
9012 A TT	550	500	113	8000	90.1	1300	234738

9012 Impact wrench

• Loosening torque: 850 Nm

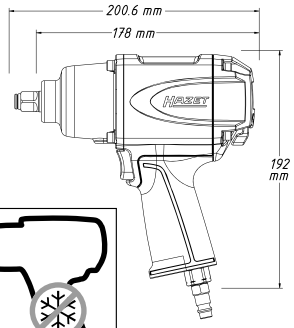
Ⓔ 12.5 1/2″

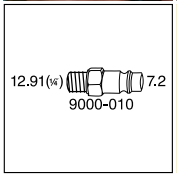
- Exhaust air is guided through the handle downwards
- Reduced vibrations
- Easy handling
- Powerful pin clutch mechanism
- Air connection inlet: inside thread 12.91 mm (¼″)
- Coupler plug: Nominal size 7.2 (included)
- Recommended torque: 550 Nm
- Hose diameter (recommended): 10 mm
- Working pressure (bar): 6.3
- Sound power level: 103.1 db(A) Lp W
- Vibration acceleration: 7.42 m/s²
- Loosening torque (max) determined with screw size M: 16
- Forward and reverse: three-stage (forward), single-stage (reverse)
- Cold insulated handle
- Enhanced power characteristics due to new, specially developed air motor as well as efficient air guide and improved pull-up torque of the air motor
- Specially heat-treated inner parts for minimised wear

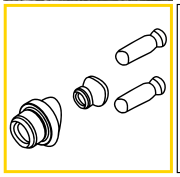














HAZET No.	max. Nm	max. Nm	l/min.	rpm	db(A) LpA	g	EAN-No. 4000896+
9012 SPC	850	750	127.4	7000	92.1	2600	119639
Silicone protective cover for 9012 SPC · 9012-1 SPC · 9012 P-1							
9012 SPC-S	–	–	–	–	–	–	222476

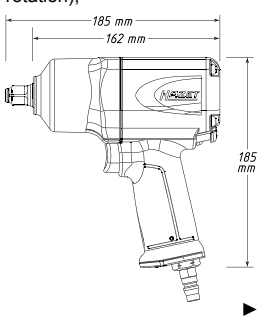
9012 EL-SPC Impact wrench

• Loosening torque: 1700 Nm

Ⓔ 12.5 1/2″

- Exhaust air is guided through the handle downwards
- Reduced vibrations
- Easy handling
- Powerful twin hammer mechanism
- Air connection inlet: inside thread 12.91 mm (¼″)
- Coupler plug: Nominal size 7.2 (included)
- Recommended torque: 881 Nm
- Hose diameter (recommended): 10 mm
- Working pressure (bar): 6.3
- Sound power level: 109 db(A) Lp W
- Vibration acceleration: 10.23 m/s²
- Loosening torque (max) determined with screw size M: 16
- Forward and reverse: four-stage (counterclockwise rotation), single-stage (clockwise rotation)
- Cold insulated handle
- **One-hand operation by changeover on rear of device**





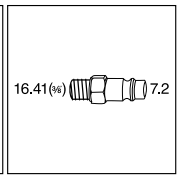


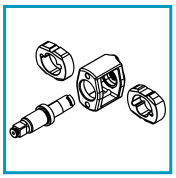


9012 EL-SPC Impact wrench

Ⓔ 12.5 1/2″







HAZET No.	max. Nm	max. Nm	l/min.	rpm	db(A) LpA	g	EAN-No. 4000896+
9012 EL-SPC	1700	1054	139	8000	98	1980	188444
Silicone protective cover for 9012 EL-SPC							
9012 EL-SPC-S	–	–	–	–	–	–	222520

9012 TT Twin Turbo impact wrench

• Loosening torque: 2200 Nm

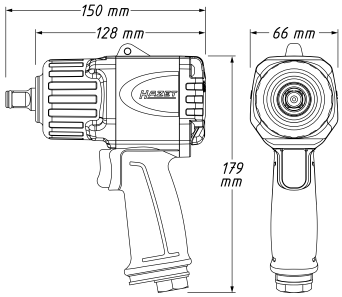
12.5 1/2″

- Exhaust air is guided through the handle downwards
- Reduced vibrations
- Easy handling
- Short design – only 128 mm
- HAZET Twin Turbo technology – high torques with compact design
- 8-blade air motor with 25% higher impact performance ensures maximum torque
- One-hand operation for right- and left-handed users
- Powerful twin hammer mechanism
- Air connection inlet: inside thread 12.91 mm (¼″)
- Coupler plug: Nominal size 7.2 (included)
- Recommended torque: 948 Nm
- Hose diameter (recommended): 10 mm
- Working pressure (bar): 6.3
- Sound power level: 110.7 db(A) Lp W
- Vibration acceleration: 8.69 m/s²
- Loosening torque (max) determined with screw size M: 16
- Forward and reverse: two-stage (forward), single-stage (reverse)
- Cold insulated handle

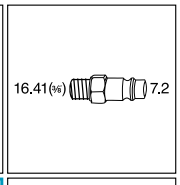


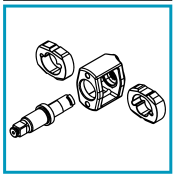
YouTube Clip



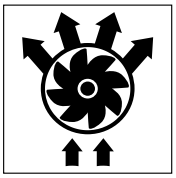


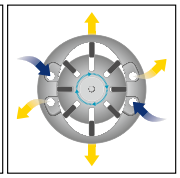












HAZET No.	max. Nm	max. Nm	l/min.	rpm	db(A) LpA	g	EAN-No. 4000896+
9012 TT	2200	1356	147.2	8300	99.7	1600	226924
Low noise hose for noise reduction of the HAZET Twin Turbo impact wrenches 9012 MTT · 9012 TT Spring clamp for fixing the hose to the handle							
9040-012	–	–	–	–	–	–	232987

Components and spare parts from page 482 to 490



9013 M Impact wrench

- **Loosening torque: 1890 Nm**

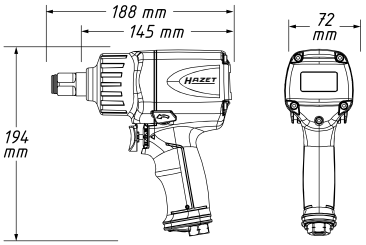
20 ¾″

- Exhaust air is guided through the handle downwards
- Reduced vibrations
- Easy handling
- **20 mm (¾") impact wrench in 12.5 mm (½") housing size**
- Powerful twin hammer mechanism
- Air connection inlet: inside thread 16.41 mm (⅜")
- Coupler plug: Nominal size 7.2 (included)
- Recommended torque: 922 Nm
- Hose diameter (recommended): 10 mm
- Working pressure (bar): 6.3
- Sound power level: 93 db(A) Lp W
- Vibration acceleration: 7.47 m/s²
- Loosening torque (max) determined with screw size M: 32
- Forward and reverse: three-stage (forward), single-stage (reverse)
- Cold insulated handle

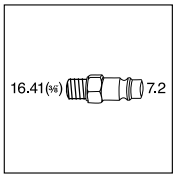
YouTube Clip

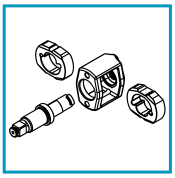














HAZET No.	max. Nm	max. Nm	l/min.	rpm	db (A) LpA	g	EAN-No. 4000896+
9013 M	1890	1085	153	7300	104	2100	212347

9013 TT Twin Turbo impact wrench

- **Loosening torque: 4100 Nm**

20 ¾″

- Exhaust air is guided through the handle downwards
- Reduced vibrations
- Easy handling
- Short design – only 184 mm
- Strongest HAZET impact wrench ever
- Removable handle, 360° adjustable
- HAZET Twin Turbo technology – high torques with compact design
- 8-blade air motor with 25% higher impact performance ensures maximum torque
- One-hand operation for right- and left-handed users
- Powerful twin hammer mechanism
- Air connection inlet: inside thread 16.41 mm (⅜")
- Coupler plug: Nominal size 7.2 (included)
- Recommended torque: 1890 Nm
- Hose diameter (recommended): 13 mm
- Working pressure (bar): 6.3
- Sound power level: 110.5 db(A) Lp W
- Vibration acceleration: 10.69 m/s²
- Loosening torque (max) determined with screw size M: 32
- Forward and reverse: two-stage (forward), single-stage (reverse)
- Cold insulated handle



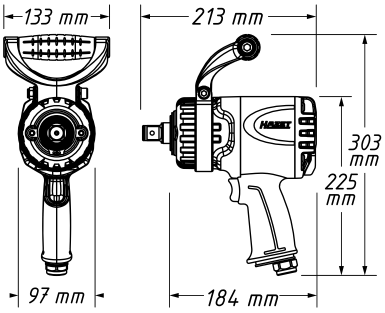
►

9013 TT Twin Turbo impact wrench

◄

20 ¾″

YouTube Clip

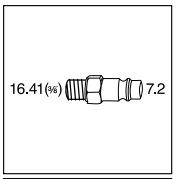


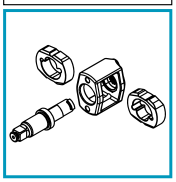




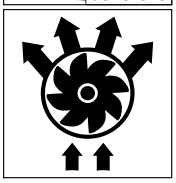


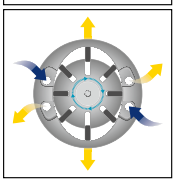












HAZET No.	max. Nm	max. Nm	l/min.	rpm	db (A) LpA	g	EAN-No. 4000896+
9013 TT	4100	2170	243.5	5200	99.5	4500	227143
Low noise hose for noise reduction of the HAZET Twin Turbo impact wrenches 9013 TT · 9013 Lg TT Spring clamp for fixing the hose to the handle							
9040-013	–	–	–	–	–	–	232994

9013 TT Twin Turbo impact wrench · long spindle

- **Loosening torque: 3800 Nm**

20 ¾″

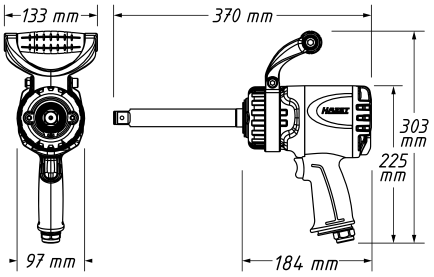
- Exhaust air is guided through the handle downwards
- Reduced vibrations
- Easy handling
- Spindle length 186 mm – for reaching deeply located screw connections
- Strongest HAZET impact wrench ever
- Removable mounting bracket, 360° adjustable
- HAZET Twin Turbo technology – high torques with compact design
- 8-blade air motor with 25% higher impact performance ensures maximum torque
- One-hand operation for right- and left-handed users
- Powerful twin hammer mechanism
- Air connection inlet: inside thread 16.41 mm (⅜")
- Coupler plug: Nominal size 7.2 (included)
- Recommended torque: 1758 Nm
- Hose diameter (recommended): 13 mm
- Working pressure (bar): 6.3
- Sound power level: 113.5 db(A) Lp W
- Vibration acceleration: 9.02 m/s²
- Loosening torque (max) determined with screw size M: 32
- Forward and reverse: two-stage (forward), single-stage (reverse)
- Cold insulated handle

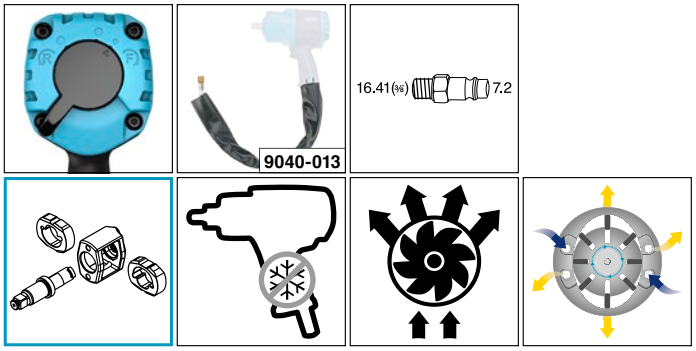


►

9013 TT Twin Turbo impact wrench · long spindle

20 ¾″





HAZET No.	max. Nm	max. Nm	l/min.	rpm	db (A) LpA	g	EAN-No. 4000896+
9013 Lg TT	3800	2020	243	5200	102.5	5500	232277
Low noise hose for noise reduction of the HAZET Twin Turbo impact wrenches 9013 TT · 9013 Lg TT Spring clamp for fixing the hose to the handle							
9040-013	–	–	–	–	–	–	232994

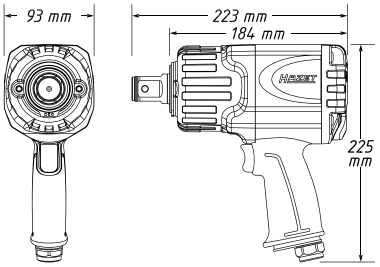
9014 TT Twin Turbo impact wrench

• Loosening torque: 4100 Nm

25 1″

- Exhaust air is guided through the handle downwards
- Reduced vibrations
- Easy handling
- Short, compact design
- One-hand operation for left and right handers
- Removable handle, 360° adjustable
- Connecting socket for low noise hose
- HAZET Twin Turbo technology – high torques with compact design
- 8-blade air motor with 25% higher impact performance ensures maximum torque
- Powerful twin hammer mechanism
- Air connection inlet: inside thread 20.67 mm (½″)
- Coupler plug: nominal size 10 (included)
- Recommended torque: 1898 Nm
- Hose diameter (recommended): 19 mm
- Working pressure (bar): 6.3
- Sound power level: 112.9 db(A) Lp W
- Vibration acceleration: 19.11 m/s²
- Loosening torque (max) determined with screw size M: 32
- Forward and reverse: two-stage (forward), single-stage (reverse)
- Cold insulated handle

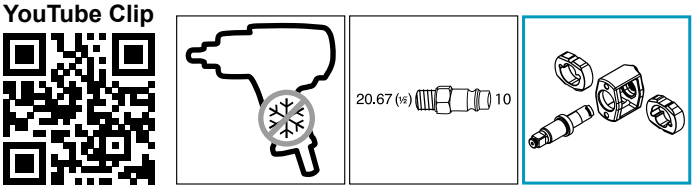




9014 TT Twin Turbo impact wrench

25 1″

YouTube Clip



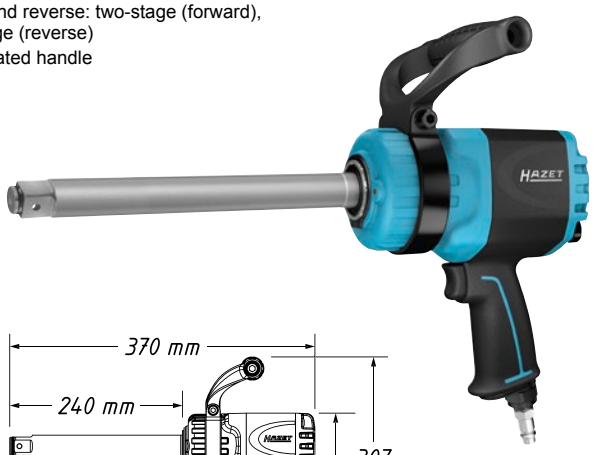
HAZET No.	max. Nm	max. Nm	l/min.	rpm	db (A) LpA	g	EAN-No. 4000896+
9014 TT	4100	2170	235	5200	101.9	4600	234684

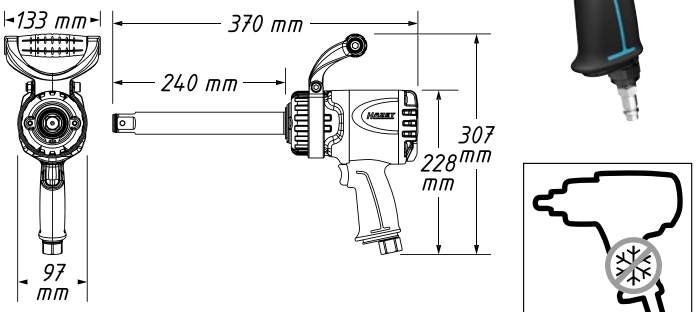
9014 TT Twin Turbo impact wrench · long spindle

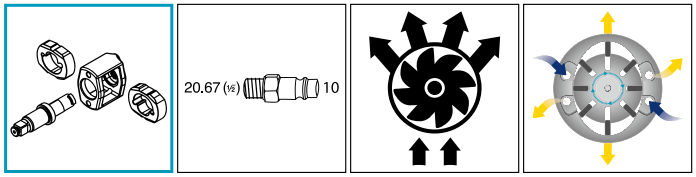
• Loosening torque: 3850 Nm

25 1″

- Exhaust air is guided through the handle downwards
- Reduced vibrations
- Easy handling
- Short, compact design with 240 mm long spindle
- One-hand operation for left- and right-handed users
- Removable handle, 360° adjustable
- Connecting socket for low noise hose
- HAZET Twin Turbo technology – high torques with compact design
- 8-blade air motor with 25% higher impact performance ensures maximum torque
- Powerful twin hammer mechanism
- Air connection inlet: inside thread 20.67 mm (½″)
- Coupler plug: nominal size 10 (included)
- Recommended torque: 1627 Nm
- Hose diameter (recommended): 19 mm
- Working pressure (bar): 6.3
- Sound power level: 113.5 db(A) Lp W
- Vibration acceleration: 17.31 m/s²
- Loosening torque (max) determined with screw size M: 32
- Forward and reverse: two-stage (forward), single-stage (reverse)
- Cold insulated handle







HAZET No.	max. Nm	max. Nm	l/min.	rpm	db (A) LpA	g	EAN-No. 4000896+
9014 Lg TT	3850	1762	235	4600	102.5	5900	234677

Components and spare parts from page 482 to 490



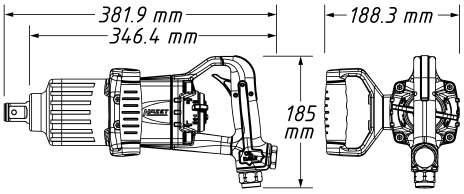
9014 P Impact wrench

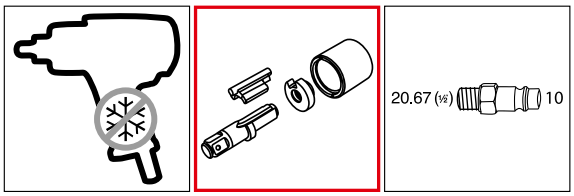
- **Loosening torque: 3400 Nm**

25 1″

- Exhaust air is guided through the handle downwards
- Reduced vibrations
- Easy handling
- Direct hammer striking mechanism
- Air connection inlet: inside thread 20.67 mm (½″)
- Coupler plug: nominal size 10 (included)
- Recommended torque: 2400 Nm
- Hose diameter (recommended): 19 mm
- Working pressure (bar): 6.3
- Sound power level: 114.5 db(A) Lp W
- Vibration acceleration: 15.94 m/s²
- Loosening torque (max) determined with screw size M: 36
- Forward and reverse: three-stage (forward and reverse)
- Cold insulated handle
- Output designed with hole for pinning as well as a nut-driver holder ring
- Operation optimised on both sides for left and right handed users
- One-hand reversing switch
- Extremely powerful tool
- Optimised feel
- Air inlet on the handle at the bottom and rear







HAZET No.	max. Nm	max. Nm	l/min.	rpm	db (A) LpA	g	EAN-No. 4000896+
9014 PS-1	3400	2712	283	5500	103.5	7800	222490

9014 P Impact wrench · long spindle

- **Loosening torque: 3400 Nm**

25 1″

- Exhaust air is guided through the handle downwards
- Reduced vibrations
- Easy handling
- **Long spindle (240 mm)** for optimal accessibility of wheel bolts
- Direct hammer striking mechanism
- Air connection inlet: inside thread 20.67 mm (½″)
- Coupler plug: nominal size 10 (included)
- Recommended torque: 2400 Nm
- Hose diameter (recommended): 19 mm
- Working pressure (bar): 6.3
- Sound power level: 114.5 db(A) Lp W
- Vibration acceleration: 15.94 m/s²
- Loosening torque (max) determined with screw size M: 36
- Forward and reverse: three-stage (forward and reverse)
- Cold insulated handle
- Output designed with hole for pinning as well as a nut-driver holder ring
- Operation optimised on both sides for left and right handed users
- One-hand reversing switch
- Extremely powerful tool
- Optimised feel
- Air inlet on the handle at the bottom and rear

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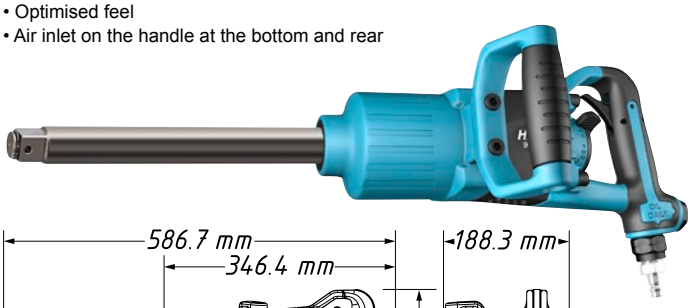
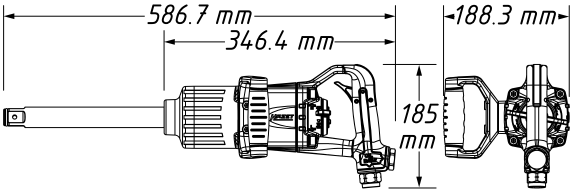
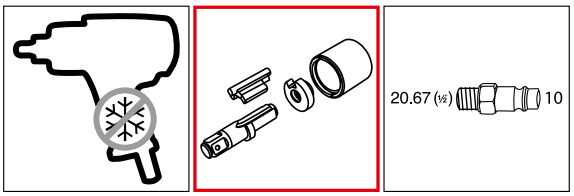






HAZET No.	max. Nm	max. Nm	l/min.	rpm	db (A) LpA	g	EAN-No. 4000896+
9014 P-1	3400	2712	283	5500	103.5	8580	218332

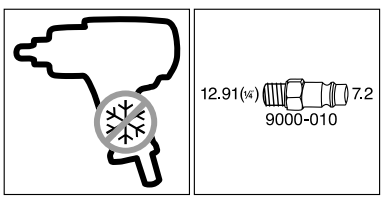
Air ratchets

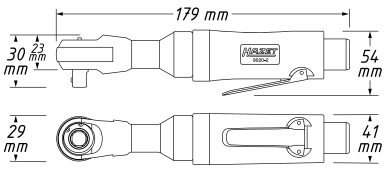
9020 Air ratchet

- Reduced vibrations
- Air connection inlet: inside thread 12.91 mm (¼″)
- Coupler plug: Nominal size 7.2 (included)
- Working pressure (bar): 6.3
- Sound power level: 89 db(A) Lp W
- Vibration acceleration: 3.30 m/s²
- Forward and reverse: single-stage (right/left)
- Cold insulated handle

Ⓔ 6.3 ¼″







HAZET No.	max. Nm	l/min.	rpm	db (A) LpA	g	EAN-No. 4000896+
9020-2	35	180	170	83	500	109432

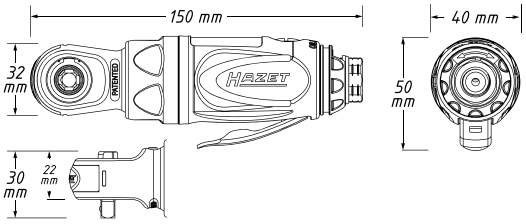
9020 Mini air ratchet

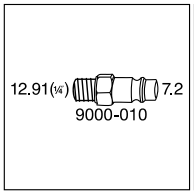
- **Short design**
- **For hand retightening with torque values > 60 Nm**

Ⓔ 6.3 1/4"

- Completely closed head avoids the entry of swarf etc.
- Reduced vibrations
- Air connection inlet: inside thread 12.91 mm (¼")
- Coupler plug: Nominal size 7.2 (included)
- Hose diameter (recommended): 10 mm
- Working pressure (bar): 6.3
- Sound power level: 101 db(A) Lp W
- Vibration acceleration: 3.30 m/s²
- Forward and reverse: single-stage (right/left)
- Cold insulated handle









YouTube Clip

HAZET No.	max. Nm	l/min.	rpm	db(A) LpA	g	EAN-No. 4000896+
9020 P-2	40	72	250	90	500	184323

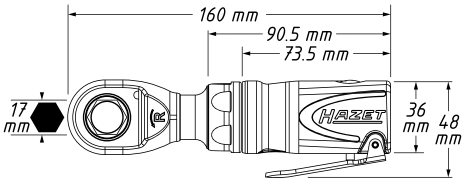
9023 M Mini multifunctional air ratchet

- **Can be used for 6.3 ¼ 10 ⅜ and 6.3 ¼ by replacing the ratchet heads**

6.3 1/4" 10 3/8" 6.3 1/4"

- Application: With the open 17 mm inside hexagon it is also possible to work on extra long threads
- Short design
- Reduced vibrations
- Exhaust air is guided through the handle
- For manual retightening with torque values 70 Nm
- Air connection inlet: inside thread 12.91 mm (¼")
- Coupler plug: Nominal size 7.2 (included)
- Hose diameter (recommended): 10 mm
- Working pressure (bar): 6.3
- Sound power level: 93.8 db(A) Lp W
- Vibration acceleration: 3.20 m/s²
- Forward and reverse: single-stage (right/left)
- Cold insulated handle



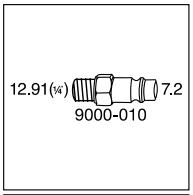


►

9023 M Mini multifunctional air ratchet

◄

6.3 1/4" 10 3/8" 6.3 1/4"





YouTube Clip


9023 M-1-020


9023 M-1-021


9023 M-1-B

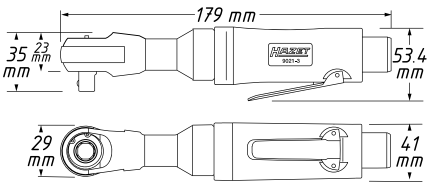
HAZET No.	max. Nm	l mm	l/min.	rpm	db(A) LpA	g		EAN-No. 4000896+
• Contents: Push-through ratchet Square socket 6.3 mm (¼ inch) Square socket 10 mm (⅜ inch) hexagon screwdriver bit socket 6.3 mm (¼ inch)								
9023 M-1	54	159	84	400	82.8	480	4	227112
• Square socket 6.3 mm (1/4")								
9023 M-1-020	–	–	–	–	–	–	–	228225
• Square socket 10 mm (3/8")								
9023 M-1-021	–	–	–	–	–	–	–	228232
• Hexagon bit socket 6.3 mm (1/4 inch)								
9023 M-1-B	–	–	–	–	–	–	–	228249

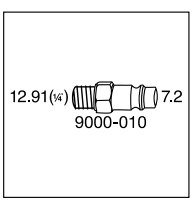
9021 Air ratchet

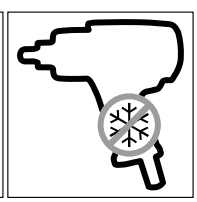
- Reduced vibrations
- Air connection inlet: inside thread 12.91 mm (1/4")
- Coupler plug: Nominal size 7.2 (included)
- Working pressure (bar): 6.3
- Sound power level: 89 db(A) Lp W
- Vibration acceleration: 3.30 m/s²
- Forward and reverse: single-stage (right/left)
- Cold insulated handle

Ⓔ 10 3/8"









HAZET No.	max. Nm	l/min.	rpm	db(A) LpA	g	EAN-No. 4000896+
9021-3	35	180	170	83	500	116614

Components and spare parts from page 482 to 490



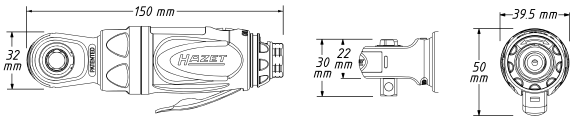
9021 Mini air ratchet

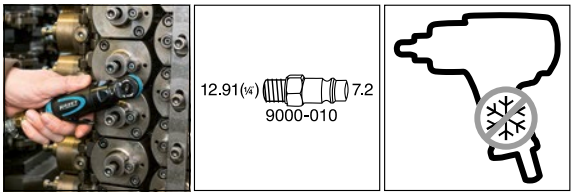
- **Short design**
- **For hand retightening with torque values > 260 Nm**

Ⓔ 10 3/8″

- Completely closed head avoids the entry of swarf etc.
- Reduced vibrations
- Air connection inlet: inside thread 12.91 mm (¼″)
- Coupler plug: Nominal size 7.2 (included)
- Hose diameter (recommended): 10 mm
- Working pressure (bar): 6.3
- Sound power level: 103 db(A) Lp W
- Vibration acceleration: 3.90 m/s²
- Forward and reverse: single-stage (right/left)
- Cold insulated handle







HAZET No.	max. Nm	l/min.	rpm	db(A) LpA	g	EAN-No. 4000896+
9021 P-2	54	103	300	92	500	184545

9022 Impact ratchet

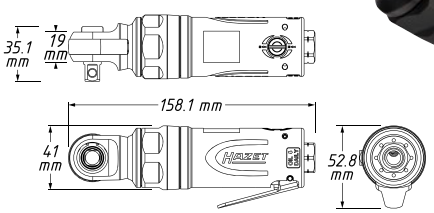
- **Maximum occupational safety thanks to reaction-free striking mechanism**
- **Low-impact**
- **Rubber ratchet head protective cover to protect against shocks and penetration by dirt**

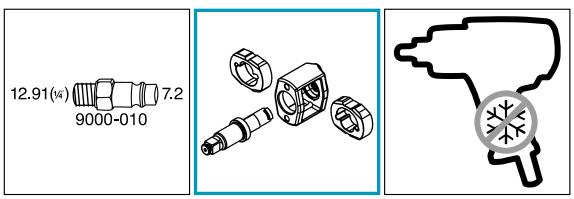
Ⓔ 10 3/8″

- Application: Use in constricted spaces
- For hand retightening with torque values: 260 Nm
- Powerful twin hammer mechanism
- Air connection inlet: inside thread 12.91 mm (¼″)
- Coupler plug: Nominal size 7.2 (included)
- Hose diameter (recommended): 10 mm
- Working pressure (bar): 6.3
- Sound power level: 93 db(A) Lp W
- Vibration acceleration: 9.84 m/s²
- Forward and reverse: single-stage (right/left)
- Cold insulated handle

YouTube Clip







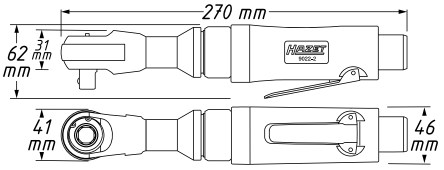
HAZET No.	max. Nm	l mm	l/min.	rpm	db(A) LpA	g	EAN-No. 4000896+
9021 SR-1	68	158	68	500	82	670	218295

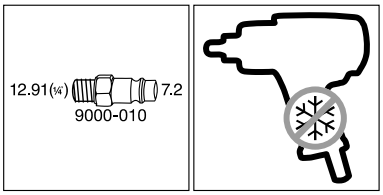
9022 Air ratchet

- Reduced vibrations
- Air connection inlet: inside thread 12.91 mm (¼″)
- Coupler plug: Nominal size 7.2 (included)
- Working pressure (bar): 6.3
- Sound power level: 95 db(A) Lp W
- Vibration acceleration: 8.50 m/s²
- Forward and reverse: single-stage (right/left)
- Cold insulated handle

Ⓔ 12⁵ ½″







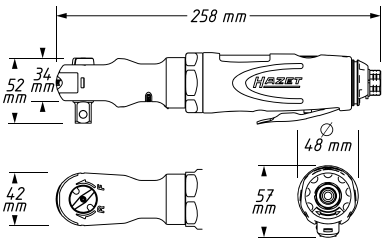
HAZET No.	max. Nm	l/min.	rpm	db(A) LpA	g	EAN-No. 4000896+
9022-2	70	180	160	88	1200	109456

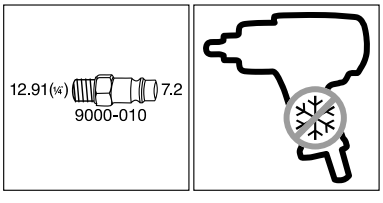
- **For hand retightening with torque values > 400 Nm**

Ⓔ 12⁵ ½″

- Completely closed head avoids the entry of swarf etc.
- Reduced vibrations
- Air connection inlet: inside thread 12.91 mm (¼″)
- Coupler plug: Nominal size 7.2 (included)
- Hose diameter (recommended): 10 mm
- Working pressure (bar): 6.3
- Sound power level: 110 db(A) Lp W
- Vibration acceleration: 9.10 m/s²
- Forward and reverse: single-stage (right/left)
- Cold insulated handle







HAZET No.	max. Nm	l/min.	rpm	db(A) LpA	g	EAN-No. 4000896+
9022 P-2	108	113	280	99	1240	184538

9022 High performance air ratchet

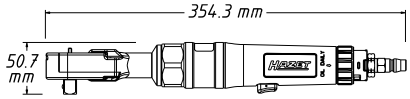
- **Sturdy workshop construction – especially suitable for continuous operation in industrial production processes**

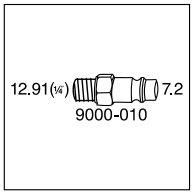
Ⓔ 12.5 1/2″

- **Extra-strong head** made of especially heat-treated special steel
- Sturdy ratchet head suitable for **high permanent stress** (series production and the like)
- Completely closed head avoids the entry of swarf etc.
- **Long service life** and high power rating of the device (long service life = long operational availability)
- For hand retightening with torque values: 350 Nm (competing products have approx. 250 Nm)
- Air connection inlet: inside thread 12.91 mm (¼″)
- Coupler plug: Nominal size 7.2 (included)
- Sound power level: 99.3 db(A) Lp W
- Vibration acceleration: 3.00 m/s²
- Forward and reverse: single-stage (right/left)









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HAZET No.	max. Nm	l/min.	rpm	db (A) LpA	g	EAN-No. 4000896+
9022 P-1	95	77	160	88.3	1390	172269

- **360° rotatable trigger lever**
- **30% less noise thanks to the ability to reduce operating noise / Quiet Mode**
- **Extremely flat head without an interfering edge thanks to the shift lever**
- **Switching between left and right via the adjusting ring on the handle**

12.5 1/2″

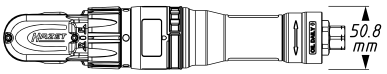
- Extremely powerful item for applications in areas with very restricted access
- Sturdy workshop design
- Strong head made of especially heat-treated special steel
- **Long service life** and high power rating of the device (long service life = long operational availability)
- Selector valve for reduction of the noise emissions to approx. 10 db (Quiet Mode):
  – Sound power level: 92.5 db(A) Lp W
  – Sound pressure level: 81.5 db(A) Lp A
- For hand retightening with torque values: 500 Nm (competing products have approx. 250 Nm)
- Air connection inlet: inside thread 12.91 mm (¼″)
- Coupler plug: Nominal size 7.2 (included)
- Hose diameter (recommended): 10 mm
- Working pressure (bar): 6.3
- Sound power level: 102.2 db(A) Lp W
- Vibration acceleration: 4.87 m/s²
- Forward and reverse: single-stage (right/left)
- Cold insulated handle

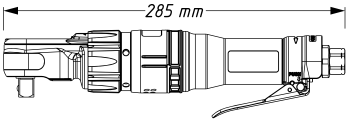


Components and spare parts from page 482 to 490

9022 High performance air ratchet

12.5 1/2″









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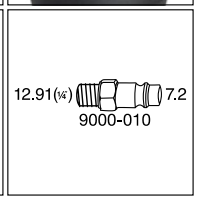




HAZET No.	max. Nm	l mm	l/min.	rpm	db (A) LpA	g	EAN-No. 4000896+
9022-360	120	285	107.6	200	91.2	1550	209781

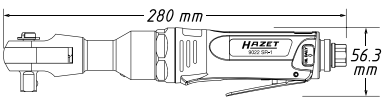
9022 Impact ratchet

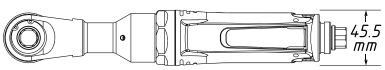
- **Maximum occupational safety thanks to reaction-free striking mechanism**
- **Low-impact**

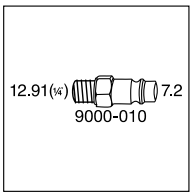
Ⓔ 12.5 1/2″

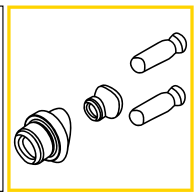
- High torque values – approx. 30% above standard products
- Speed level – approx. 3 x higher than standard products
- Suitable for hand retightening with torque values → 270 Nm (competitive product with approx. 250 Nm only)
- Powerful pin clutch mechanism
- Air connection inlet: inside thread 12.91 mm (¼″)
- Coupler plug: Nominal size 7.2 (included)
- Hose diameter (recommended): 10 mm
- Working pressure (bar): 6.3
- Sound power level: 98 db(A) Lp W
- Vibration acceleration: 4.53 m/s²
- Forward and reverse: single-stage (right/left)
- Cold insulated handle













HAZET No.	max. Nm	l mm	l/min.	rpm	db (A) LpA	g	EAN-No. 4000896+
9022 SR-1	102	280	113	400	91	1280	170593



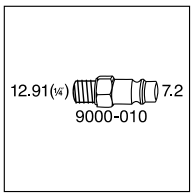
9022 Air ratchet · extra long

• Reaches even extremely hard to reach spaces and tolerates high manual retightening forces

12.5 ½"

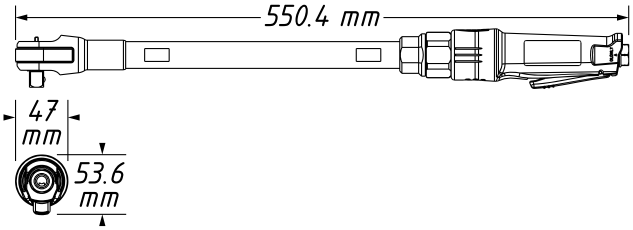
• Application: Slim design, e.g. for the installation and removal of timing chain covers
• For manual retightening with torque values up to 400 Nm
• Reduced vibrations
• Air connection inlet: inside thread 12.91 mm (¼")
• Coupler plug: Nominal size 7.2 (included)
• Hose diameter (recommended): 10 mm
• Working pressure (bar): 6.3
• Sound power level: 104.7 db(A) Lp W
• Vibration acceleration: 5.60 m/s²
• Forward and reverse: single-stage (right/left)
• Cold insulated handle







YouTube Clip



HAZET No.	max. Nm	l mm	l/min.	rpm	db(A) LpA	g	EAN-No. 4000896+
9022 P-X Lg	94.8	551	99.12	160	93.7	2100	222513

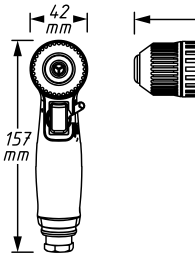
Drilling and grinding machines

9030 Drilling machine

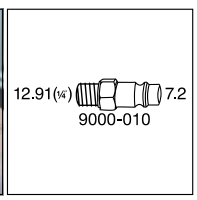
• Exhaust air is guided downwards through the handle

• Application: Practical tool especially for car body works and industry
• Tool-free quick-clamping drill chuck
• Robust machine housing
• Suitable for continuous operation
• Air connection inlet: inside thread 12.91 mm (¼")
• Coupler plug: Nominal size 7.2 (included)
• Hose diameter (recommended): 10 mm
• Working pressure (bar): 6.3
• Sound power level: 99.7 db(A) Lp W
• Vibration acceleration: 2.10 m/s²
• Collet chuck: 1 – 10
• Forward and reverse: single-stage (right/left)
• Power in watts: 373 watts
• Cold insulated handle











HAZET No.	l/min.	rpm	db(A) LpA	g	EAN-No. 4000896+
9030 N-1	113	2000	88.7	1000	206377

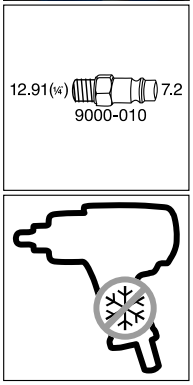
9030 Angle drill

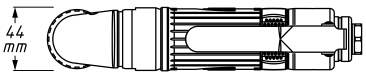
• For working in areas with difficult access

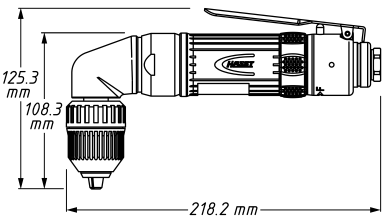
• Keyless drill chuck
• Exhaust air is guided through the handle backwards
• Air connection inlet: inside thread 12.91 mm (¼")
• Coupler plug: Nominal size 7.2 (included)
• Hose diameter (recommended): 10 mm
• Working pressure (bar): 6.3
• Sound power level: 96 db(A) Lp W
• Vibration acceleration: 0.50 m/s²
• Collet chuck: 1 – 10
• Forward and reverse: single-stage (right/left)
• Power in watts: 373 watts
• Cold insulated handle











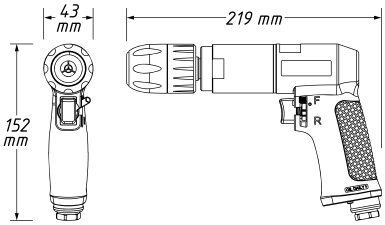
HAZET No.	l/min.	rpm	db(A) LpA	g	EAN-No. 4000896+
9030 N-5	113	1400	85	1200	205554

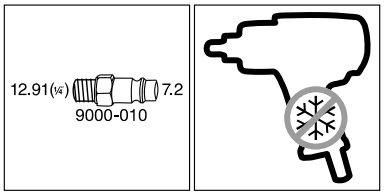
9030 Drilling machine

• Handy tool with 1–13 mm drill chuck

- Application: Bodywork and industry
- Exhaust air is guided downwards through the handle
- Tool-free quick-clamping drill chuck
- Robust machine housing
- Suitable for continuous operation
- Air connection inlet: inside thread 12.91 mm (¼")
- Coupler plug: Nominal size 7.2 (included)
- Hose diameter (recommended): 10 mm
- Working pressure (bar): 6.3
- Sound power level: 99.4 db(A) Lp W
- Vibration acceleration: 1.20 m/s²
- Collet chuck: 1 – 13
- Forward and reverse: single-stage (right/left)
- Power in watts: 373 watts
- Cold insulated handle







HAZET No.	l/min.	rpm	db (A) LpA	g		EAN-No. 4000896+
9030 P-1	113	800	88.4	1300		212354

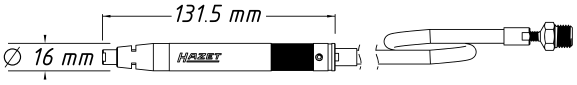
9032 Micro die grinder

• Precise processing of workpieces even in areas with very restricted access

- Hose length: 1500 mm
- Air connection inlet: inside thread 12.91 mm (¼")
- Coupler plug: Nominal size 7.2 (included)
- Hose diameter (recommended): 5 mm
- Working pressure (bar): 6.3
- Sound power level: 86.4 db(A) Lp W
- Vibration acceleration: 0.80 m/s²
- Collet chuck: 3 mm
- Power in watts: 190 watts

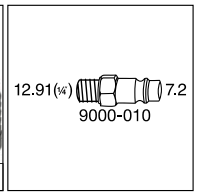
YouTube Clip





9032 Micro die grinder



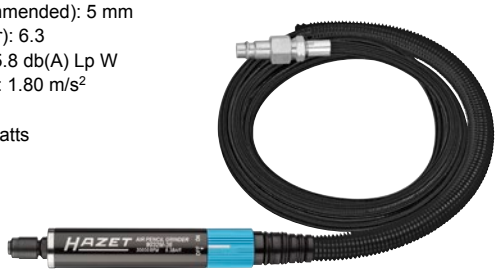


HAZET No.	l/min.	rpm	db (A) LpA	g		EAN-No. 4000896+
9032 M	75	60000	80.4	230	–	195152
• Set with 5 different milling cutters (3 mm shaft) in cylindrical, tapered and spherical shape • Head diameter (cylindrical shape): 3 / 6 mm • Head diameter (spherical shape): approx. 3 / 6 mm						
9032-03/5	–	–	–	–	5	222483

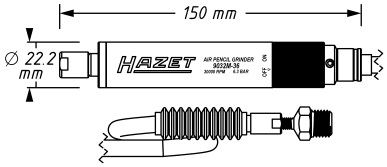
9032 Mini die grinder

• Quiet operation: integrated exhaust hose removes exhaust air from the workpiece and dampens the sound

- Application: Precise work with 3 mm and 6 mm grinding pads even in areas with restricted access
- Slim design
- 6 mm collet chuck with 3 mm adapter to accommodate both grinding pad dimensions
- Tool length: 150 mm
- Tool diameter: 22.2 mm
- Hose length: 1500 mm
- Air connection inlet: inside thread 12.91 mm (¼")
- Coupler plug: Nominal size 7.2 (included)
- Hose diameter (recommended): 5 mm
- Working pressure (bar): 6.3
- Sound power level: 85.8 db(A) Lp W
- Vibration acceleration: 1.80 m/s²
- Collet chuck: 6
- Power in watts: 224 watts

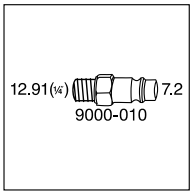












HAZET No.	l/min.	rpm	db (A) LpA	g		EAN-No. 4000896+
9032 M-36	43.7	30000	78.7	380	–	209606
• Set with 5 different milling cutters (3 mm shaft) in cylindrical, tapered and spherical shape • Head diameter (cylindrical shape): 3 / 6 mm • Head diameter (spherical shape): approx. 3 / 6 mm						
9032-03/5	–	–	–	–	5	222483
• Set with 3 different milling cutters (6 mm shaft) in cylindrical, tapered and spherical shape • Head diameter (cylindrical shape): 10 mm • Head diameter (spherical shape): approx. 9 mm						
9032-06/3	–	–	–	–	3	222667

Components and spare parts from page 482 to 490



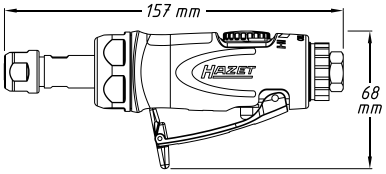
9032 Die grinder · straight design

- **Lightweight, handy device for grinding, polishing, burnishing and deburring**

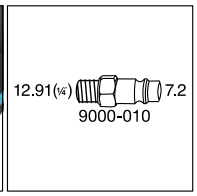
- **Straight design**
- Continuous speed regulation via setting wheel on the upper side of the device
- 360° exhaust (adjustable)
- Air connection inlet: inside thread 12.91 mm (¼")
- Coupler plug: Nominal size 7.2 (included)
- Hose diameter (recommended): 10 mm
- Working pressure (bar): 6.3
- Sound power level: 85 db(A) Lp W
- Vibration acceleration: 0.40 m/s²
- Collet chuck: 6 mm
- Power in watts: 224 watts
- Cold insulated handle



YouTube Clip









HAZET No.	l/min.	rpm	db(A) LpA	g		EAN-No. 4000896+
9032 N-1	74	2000–25000	79	400	–	189359
• **Spare collet chuck** for 9032 M-1 · 9032 M-5 · 9032 N-1 · 9032 N-5 · 9032 P-1 • 3 mm ∅						
9032-03 S	–	–	–	–	–	228928
• Set with 3 different milling cutters (6 mm shaft) in cylindrical, tapered and spherical shape • Head diameter (cylindrical shape): 10 mm • Head diameter (spherical shape): approx. 9 mm						
9032-06/3	–	–	–	–	3	222667

9032 Die grinder · angled

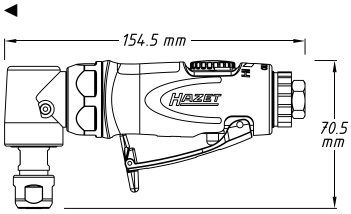
- **Sanding, buffing, polishing and deburring, particularly in areas that are difficult to access**

- **Angled design**
- Continuous speed regulation via setting wheel on the upper side of the device
- 360° exhaust (adjustable)
- Air connection inlet: inside thread 12.91 mm (¼")
- Coupler plug: Nominal size 7.2 (included)
- Hose diameter (recommended): 10 mm
- Working pressure (bar): 6.3
- Sound power level: 82 db(A) Lp W
- Vibration acceleration: 0.50 m/s²
- Collet chuck: 6 mm
- Power in watts: 224 watts
- Cold insulated handle

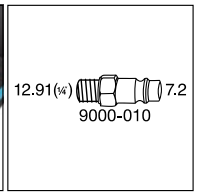


YouTube Clip

9032 Die grinder · angled









HAZET No.	l/min.	rpm	db(A) LpA	g		EAN-No. 4000896+
9032 N-5	74	2000–20000	78	500	–	198788
• **Spare collet chuck** for 9032 M-1 · 9032 M-5 · 9032 N-1 · 9032 N-5 · 9032 P-1 • 3 mm ∅						
9032-03 S	–	–	–	–	–	228928
• Set with 3 different milling cutters (6 mm shaft) in cylindrical, tapered and spherical shape • Head diameter (cylindrical shape): 10 mm • Head diameter (spherical shape): approx. 9 mm						
9032-06/3	–	–	–	–	3	222667

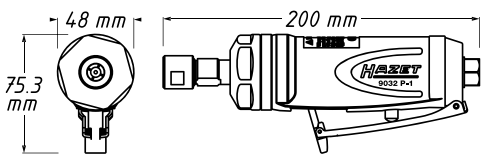
9032 Die grinder · straight design

- **Extremely powerful device (700 watts)**

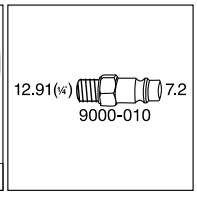
- Application: Sanding, buffing, polishing and deburring
- **Straight design**
- High ease of use
- Ergonomic design
- Air connection inlet: inside thread 12.91 mm (¼")
- Coupler plug: Nominal size 7.2 (included)
- Hose diameter (recommended): 10 mm
- Working pressure (bar): 6.3
- Sound power level: 98 db(A) Lp W
- Vibration acceleration: 0.46 m/s²
- Collet chuck: 6
- Power in watts: 700 watts
- Cold insulated handle



YouTube Clip









HAZET No.	l/min.	rpm	db(A) LpA	g		EAN-No. 4000896+
9032 P-1	150	22000	87	800	–	190508
• **Spare collet chuck** for 9032 M-1 · 9032 M-5 · 9032 N-1 · 9032 N-5 · 9032 P-1 • 3 mm ∅						
9032-03 S	–	–	–	–	–	228928

9032 Die grinder · straight design

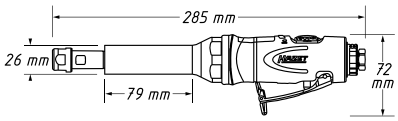
HAZET No.	l/min.	rpm	db (A) LpA	g		EAN-No. 4000896+
• **360° rotatable hinge on 2 axes** • **Air flow regulation by means of setting wheel**						
9000-040	–	–	–	88	–	195350
• Set with 3 different milling cutters (6 mm shaft) in cylindrical, tapered and spherical shape • Head diameter (cylindrical shape): 10 mm • Head diameter (spherical shape): approx. 9 mm						
9032-06/3	–	–	–	–	3	222667

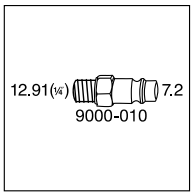
9032 Die grinder · straight design · long

- **Straight, long design for improved handling / guidance**

- Application: Handy device for grinding, polishing, burnishing, deburring
- Continuous speed regulation via setting wheel on the upper side of the device
- Four–jaw chuck
- Wide contact surface of the trigger for easy handling
- Optimised transmission of the trigger provides optimal dosage
- Air connection inlet: inside thread 12.91 mm (¼")
- Coupler plug: Nominal size 7.2 (included)
- Hose diameter (recommended): 10 mm
- Working pressure (bar): 6.3
- Sound power level: 78 db(A) Lp W
- Vibration acceleration: 0.50 m/s²
- Collet chuck: 6 mm
- Power in watts: 360 watts
- Cold insulated handle









HAZET No.	l/min.	rpm	db (A) LpA	g		EAN-No. 4000896+
9032 Lg-1	99	2000–22000	81	600	–	209675
• Set with 3 different milling cutters (6 mm shaft) in cylindrical, tapered and spherical shape • Head diameter (cylindrical shape): 10 mm • Head diameter (spherical shape): approx. 9 mm						
9032-06/3	–	–	–	–	3	222667

9032 Mini die grinder · straight design

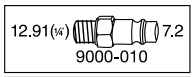
- **For working in areas with difficult access**

- Application: Extremely lightweight, handy device for grinding, polishing, burnishing and deburring
- **Straight design**
- Exhaust air is guided through the handle
- Air connection inlet: inside thread 12.91 mm (¼")
- Coupler plug: Nominal size 7.2 (included)
- Hose diameter (recommended): 10 mm
- Working pressure (bar): 6.3
- Sound power level: 93.4 db(A) Lp W
- Vibration acceleration: 1.80 m/s²
- Collet chuck: 6 mm
- Power in watts: 224 watts
- Cold insulated handle

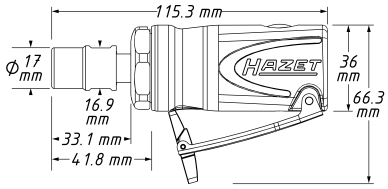
YouTube Clip



9032 Mini die grinder · straight design







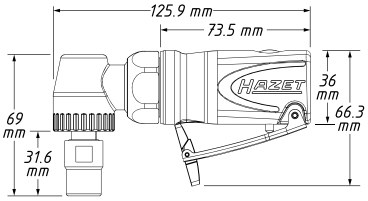
HAZET No.	l/min.	rpm	db (A) LpA	g		EAN-No. 4000896+
9032 M-1	84	25000	82.4	330	–	227099
• **Spare collet chuck** for 9032 M-1 · 9032 M-5 · 9032 N-1 · 9032 N-5 · 9032 P-1 • 3 mm ∅						
9032-03 S	–	–	–	–	–	228928
• Set with 3 different milling cutters (6 mm shaft) in cylindrical, tapered and spherical shape • Head diameter (cylindrical shape): 10 mm • Head diameter (spherical shape): approx. 9 mm						
9032-06/3	–	–	–	–	3	222667

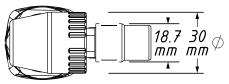
9032 Mini die grinder · angled

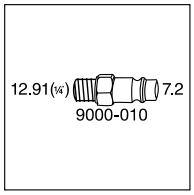
- **Heavy-duty multi-bearing gearbox with a 2.5-times longer service life compared to conventional gearboxes**

- Application: Extremely lightweight, handy device for grinding, polishing, burnishing and deburring
- **Angled design** for working in tight areas
- Exhaust air is guided through the handle
- Air connection inlet: inside thread 12.91 mm (¼")
- Coupler plug: Nominal size 7.2 (included)
- Hose diameter (recommended): 10 mm
- Working pressure (bar): 6.3
- Sound power level: 92.9 db(A) Lp W
- Vibration acceleration: 5.10 m/s²
- Collet chuck: 6 mm
- Power in watts: 224 watts
- Cold insulated handle











YouTube Clip

HAZET No.	l/min.	rpm	db (A) LpA	g		EAN-No. 4000896+
9032 M-5	84	18000	81.9	480	–	227105
• **Spare collet chuck** for 9032 M-1 · 9032 M-5 · 9032 N-1 · 9032 N-5 · 9032 P-1 • 3 mm ∅						
9032-03 S	–	–	–	–	–	228928
• Set with 3 different milling cutters (6 mm shaft) in cylindrical, tapered and spherical shape • Head diameter (cylindrical shape): 10 mm • Head diameter (spherical shape): approx. 9 mm						
9032-06/3	–	–	–	–	3	222667

Components and spare parts
from page 482 to 490

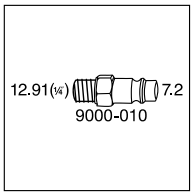


9033 Orbital sander

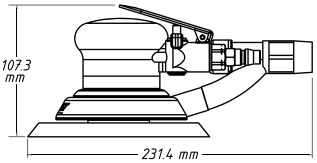
• Dust extraction

- Suction hose (2.0 m) and collection bag included
- Continuous speed regulation
- Low height and light composite housing
- Grinding disc with 15 bore holes, ∅ 150 mm with hook and loop fastener
- Anti-slip handle
- Air connection inlet: inside thread 12.91 mm (¼")
- Coupler plug: Nominal size 7.2 (included)
- Working pressure (bar): 6.3
- Sound power level: 93.8 db(A) Lp W
- Vibration acceleration: 5.35 m/s²
- Stroke: 5 mm
- Power in watts: 375 watts





360°



HAZET No.	l/min.	rpm	db(A) LpA	g	EAN-No. 4000896+
9033-2	57	12000	88.8	900	156337
Grinding pads For orbital sander 9033-1 and -2 6 holes For metalworking. ∅ 150 mm. **Pack contents 10 pieces** **Grain size 80**					
9033-180/10	–	–	–	161	139330
Grain size 100					
9033-1100/10	–	–	–	133	139347
Grain size 120					
9033-1120/10	–	–	–	139	139354
Grain size 150					
9033-1150/10	–	–	–	123	139361
15-hole grinding disc For Orbital sander 9033-2 • Medium hard with fiber-reinforced rear side • With hook and loop fastener • ∅ 150 mm with 5/16" thread					
9033-020	–	–	–	170	156351

9033 Belt sanders

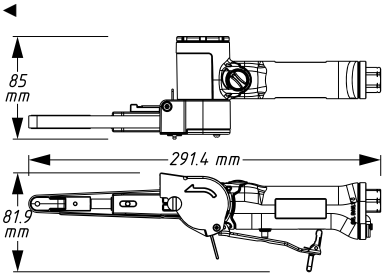
• Continuous speed regulation via speed regulator on back of handle

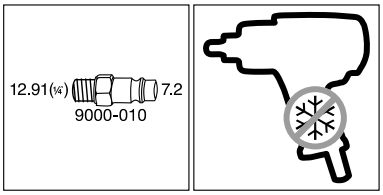
- Application: For narrow surfaces (belt width 10 mm)
- Locking device for quick belt changing
- For abrasive belts 10 x 330 mm
- Automatic belt adjustment
- Fine adjustment of belt
- 360° rotatable belt run
- Belt speed: 1370 m / min
- Incl. hex-head wrench for fine adjustment of the belt and angle setting in the handle
- Air connection inlet: inside thread 12.91 mm (¼")
- Coupler plug: Nominal size 7.2 (included)
- Hose diameter (recommended): 10 mm
- Working pressure (bar): 6.3
- Sound power level: 94.8 db(A) Lp W
- Vibration acceleration: 1.88 m/s²
- Power in watts: 417.6 watts
- Cold insulated handle



►

9033 Belt sanders





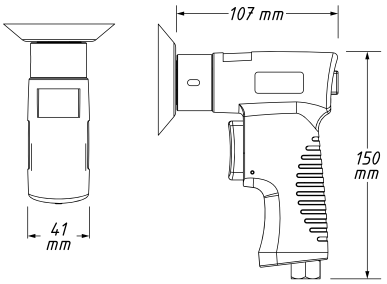
HAZET No.	l/min.	rpm	db(A) LpA	g	EAN-No. 4000896+
9033 N-4	94	19000	83.8	810	210183
Abrasive belts For belt sander 9033-4 330 x 10 mm. Pack contents 10 pieces. **Grain size 80**					
9033-480/10	–	–	–	39	139101
Grain size 100					
9033-4100/10	–	–	–	35	139118
Grain size 120					
9033-4120/10	–	–	–	32	139125

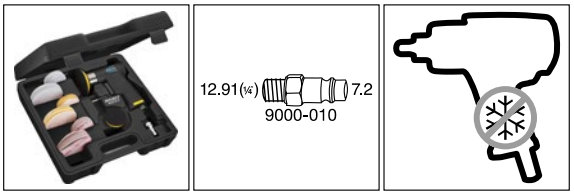
9033 Mini orbital sander set

• For working in areas with restricted access and repair work

- 36-piece set, contents:
  - 1 orbital sander
  - 2 grinding discs **50 mm** (2") and **76.2 mm** (3")
  - 10 grinding pads each, grain size 320 / 400 / 600
  - 1 adjusting wrench
- With hook and loop fastener
- Grinding disc thread: M 6
- Air connection inlet: inside thread 12.91 mm (¼")
- Coupler plug: Nominal size 7.2 (included)
- Hose diameter (recommended): 10 mm
- Working pressure (bar): 6.3
- Sound power level: 93 db(A) Lp W
- Vibration acceleration: 0.77 m/s²
- Power in watts: 238 watts
- Cold insulated handle







►

9033 Mini orbital sander set

HAZET No.	l/min.	rpm	db (A) LpA	g	EAN-No. 4000896+
9033 N-5	79	15000	80	640	205585
• 10 **spare grinding pads**, 320 grain size, ∅ 50 mm					
9033-5-01/10	–	–	–	10	160525
• 10 **spare grinding pads**, 400 grain size, ∅ 50 mm					
9033-5-02/10	–	–	–	7	160730
• 10 **spare grinding pads**, 600 grain size, ∅ 50 mm					
9033-5-03/10	–	–	–	18	160747
• 10 **spare grinding pads**, 320 grain size, ∅ 75 mm					
9033-5-04/10	–	–	–	21	160754
• 10 **spare grinding pads**, 400 grain size, ∅ 75 mm					
9033-5-05/10	–	–	–	14	160761
• 10 **spare grinding pads**, 600 grain size, ∅ 75 mm					
9033-5-06/10	–	–	–	20	160778

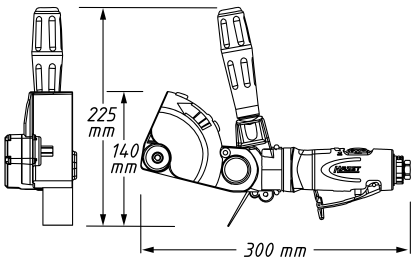
9033 Multi sander

• Multi sander for use with brush belts, strip wheels and foil erasers

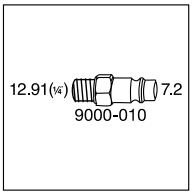
- Application: Removal of underseal, sealing compound, rust, corrosion, paint, plastic film, labels as well as for paint stripping
- Continuous speed regulation via speed regulator on back of handle
- 180° adjustable handle
- Spindle size: 9 mm (Hex)
- Delivery without accessories
- Air connection inlet: inside thread 12.91 mm (¼")
- Coupler plug: Nominal size 7.2 (included)
- Hose diameter (recommended): 10 mm
- Working pressure (bar): 6.3
- Sound power level: 82 db(A) Lp W
- Vibration acceleration: 0.80 m/s²
- Power in watts: 370 watts
- Cold insulated handle











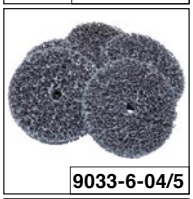


9033 Multi sander























HAZET No.	l/min.	rpm	db (A) LpA	g	EAN-No. 4000896+
9033 N-6	102	4000	79	1200	209743
• 5 **foil erasers** (lighter design) • Adapter 9033-6-010 is required					
9033-6-01/5	–	–	–	1290	160167
• 5 **foil erasers** (darker version) • For water-based paints • Adapter 9033-6-010 is required					
9033-6-01 A/5	–	–	–	1280	160228
• 5 **brush belts** 23 mm wide, coarse, bent tips • Removing underbody protection and sealing putty, as well as paint stripping with rough sand-blasting effect • Adapter 9033-6-010 is required					
9033-6-02/5	–	–	–	280	160174
• 5 **brush belts** 11 mm wide, coarse, bent tips • Removing underbody protection and sealing putty, as well as paint stripping with rough sand-blasting effect • Adapter 9033-6-011 is required					
9033-6-03/5	–	–	–	140	160181
• 5 **strip wheels** • Adapter 9033-6-041 or 9033-6-040 is required					
9033-6-04/5	–	–	–	150	160198
• 5 **brush belts** 11 mm wide, fine, straight tips • Removing paint and rust, without sand-blasting effect • Adapter 9033-6-011 is required					
9033-6-05/5	–	–	–	120	160204
• 5 **brush belts** 23 mm wide, fine, straight tips • Removing paint and rust, without sand-blasting effect • Adapter 9033-6-010 is required					
9033-6-06/5	–	–	–	260	160211
• 1 piece **adapter, 23 mm wide** for brush belts 9033-6-02/5 · 9033-6-06/5 and foil erasers 9033-6-01/5 · 9033-6-01 A/5					
9033-6-010	–	–	–	–	213672
• 1 piece **adapter, 11 mm wide** for brush belts (9033-6-03/5 · 9033-6-05/5)					
9033-6-011	–	–	–	–	213665
• 1 piece **adapter** for double strip wheels 9033-6-04/5					
9033-6-040	–	–	–	–	213641
• 1 piece **adapter** for single strip wheels 9033-6-04/5					
9033-6-041	–	–	–	–	213658

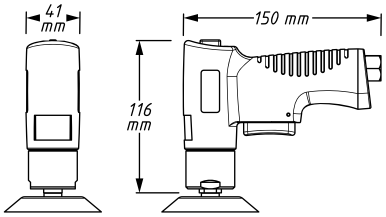
Components and spare parts
from page 482 to 490

9033 Mini polisher set

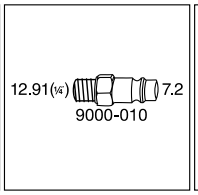
• For working in areas with restricted access and repair work



- 6-piece set, contents:
  1 polisher
  1 wet grinding pad, 75 mm ∅
  1 hard plastic pad (yellow),
  1 soft plastic pad (white),
  1 lambskin
  1 adjusting wrench
- Grinding disc thread M 6
- Air connection inlet: inside thread 12.91 mm (¼")
- Coupler plug: Nominal size 7.2 (included)
- Hose diameter (recommended): 10 mm
- Working pressure (bar): 6.3
- Sound power level: 96.76 db(A) Lp W
- Vibration acceleration: 2.43 m/s²
- Power in watts: 238 watts
- Cold insulated handle



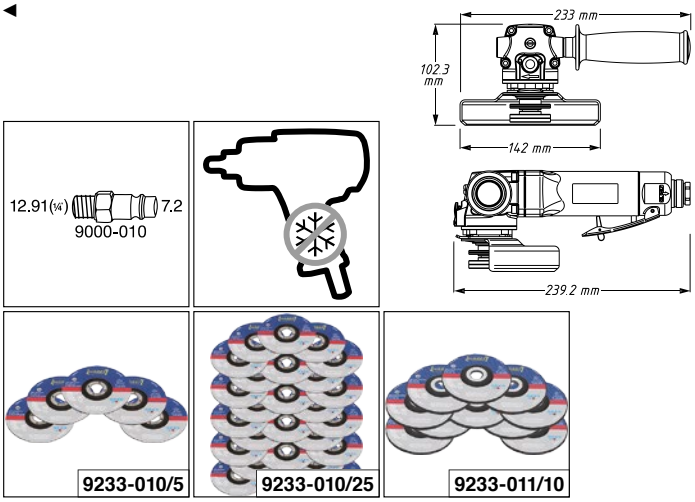






HAZET No.	l/min.	rpm	db(A) LpA	g		EAN-No. 4000896+
9033 N-9	91	3200	85.76	720		205561
• 5 **plastic pads** yellow hard, foam pad for polishing in the first work step						
9033-9-02/5	–	–	–	50		160556
• 5 **plastic pads** white soft, for polishing in the second work step						
9033-9-03/5	–	–	–	80		160563
• **Lambskin** 5 items For 9033-9						
9033-9-04/5	–	–	–	80		160570

9033 Right-angle grinder



HAZET No.	l/min.	rpm	db(A) LpA	g		EAN-No. 4000896+
9033 N-7	113	12000	85	2000	–	205547
5 cut-off wheels 125x1x22.23 mm (5x0.40x⅞") • For cordless right-angle grinders 9233-7 · 9233-7/4 • 41 AS 60 PBF-RCF80 • Also suitable for stainless steel • Standards: DIN EN 12413 and oSa • Maximum rotation speed 12200 rpm • Maximum cutting speed 80 m/s						
9233-010/5	–	–	–	–	5	219063
25 cut-off wheels 125x1x22.23 mm (5x0.40x⅞") • For cordless right-angle grinders 9233-7 · 9233-7/4 • 41 AS 60 PBF-RCF80 • Also suitable for stainless steel • Standards: DIN EN 12413 and oSa • Maximum rotation speed 12200 rpm • Maximum cutting speed 80 m/s						
9233-010/25	–	–	–	–	25	219070
10 rough grinding wheels 125x6x22.23 mm (5x¼x⅞") • For cordless right-angle grinders 9233-7 · 9233-7/4 • 27 AS 24 O7 BF • Also suitable for stainless steel • Standards: DIN EN 12413 and oSa • Maximum rotation speed 12200 rpm • Maximum cutting speed 80 m/s						
9233-011/10	–	–	–	–	10	219087

9033 Right-angle grinder

- Lateral handle, to be used on left or right side
- Quick adjustment of protection cover without tools
- For grinding discs up to a thickness of 0.8–6 mm
- Spindle thread: M 14x2
- **For grinding wheels 125x22 mm**
- Spindle lock
- Air connection inlet: inside thread 12.91 mm (¼")
- Coupler plug: Nominal size 7.2 (included)
- Hose diameter (recommended): 10 mm
- Working pressure (bar): 6.3
- Sound power level: 96 db(A) Lp W
- Vibration acceleration: 6.50 m/s²
- Power in watts: 671 watts
- Cold insulated handle



9033 Angle grinder

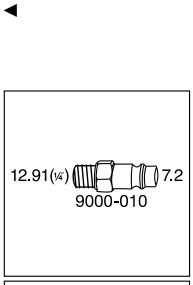
• Extra flat grinding head – only 46 mm

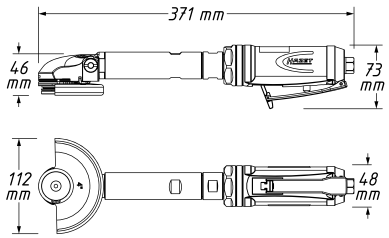
- Application: For working areas with restricted access, suitable for cutting metal sheet and steel
- Especially suitable for application in areas with restricted access, e.g. cutting of exhaust pipe clamps when installed
- Reduced vibrations
- Quick adjustment (without tools) of protective cover
- Pressure key for locking the output (spindle locking) enables easy changing of cut-off wheels
- Diameter of the wheel holder: 10 mm (⅜")
- Including 1 cut-off wheel 100x0.8x9.53 mm
- Air connection inlet: inside thread 12.91 mm (¼")
- Coupler plug: Nominal size 7.2 (included)
- Hose diameter (recommended): 10 mm
- Working pressure (bar): 6.3
- Sound power level: 100.5 db(A) Lp W
- Vibration acceleration: 3.65 m/s²
- Power in watts: 700 watts
- Cold insulated handle

YouTube Clip

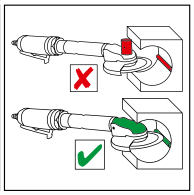


9033 Angle grinder











HAZET No.	l/min.	rpm	db(A) LpA	g		EAN-No. 4000896+
9033 P-8	113	14000	89.5	1700	–	190515
5 cut-off wheels 100 x 1 x 9.53 mm • For angle grinder 9033 P-8 • Standards: EN 12413 and OSA • Also suitable for stainless steel						
9033 P-08/5	–	–	–	–	5	201549
25 cut-off wheels 100 x 1 x 9.53 mm • For angle grinder 9033 P-8 • Standards: EN 12413 and OSA • Also suitable for stainless steel						
9033 P-08/25	–	–	–	–	25	201402

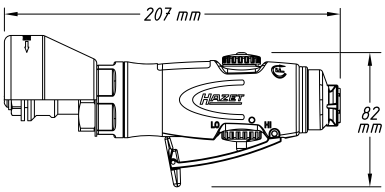
9033 Angle grinder

- **Processing of workpieces even in areas with very restricted access**

- **For cut-off wheels 76 x 2.1 x 10 mm**
- Wheel holder: 10 mm
- Continuous speed regulation on the underside of the device
- Direction of movement (right/left) on the upper side of the device can be selected for controlling the flying sparks as well as for improving the ergonomic working posture
- Including 1 cut-off wheel
- Air connection inlet: inside thread 12.91 mm (¼")
- Coupler plug: Nominal size 7.2 (included)
- Hose diameter (recommended): 10 mm
- Working pressure (bar): 6.3
- Sound power level: 88 db(A) Lp W
- Vibration acceleration: 1.80 m/s²
- Power in watts: 522 watts
- Cold insulated handle

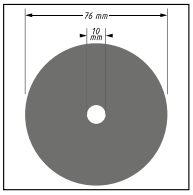


YouTube Clip



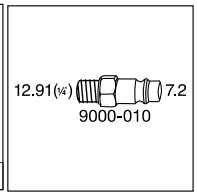






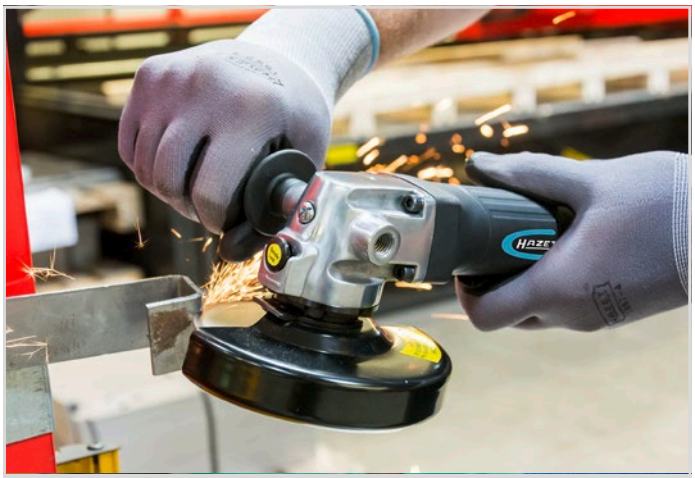
9033 Angle grinder







HAZET No.	l/min.	rpm	db(A) LpA	g		EAN-No. 4000896+
9033-10	114	2000–18000	88	900	–	196371
5 cut-off wheels 76 x 2.1 x 10.0 mm • For angle grinder 9033-10 • Standards: EN12413 and OSA • Also suitable for stainless steel • Maximum rotation speed 20100 rpm Maximum cutting speed 80 m/s						
9033-010/5	–	–	–	–	5	199969







Components and spare parts
from page 482 to 490



9033 Bristle grinder set

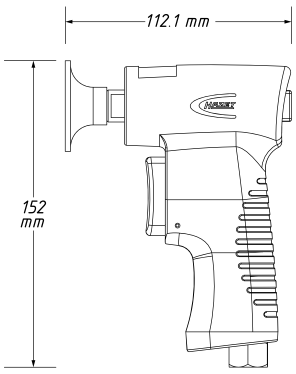
- **Gentle, effective cleaning of surfaces**
- **Roloc™ quick-change system allows the abrasive media to be changed quickly and easily without needing to use any extra tools**

Ⓔ

- Application: For using with various grinding media to remove rust, paint, adhesive and sealing residues or to clean metal surfaces and weld seams when using various abrasive media
- Grinding disc thread **¼ inch – 20 UNC**
- Dimensions: 112.1 x 152 x 45 mm
- Contents:
  1 basic unit including air connection nipple
  1 Roloc® System bristle grinding disc (50 mm ∅)
  4 violet strip wheels (hard)
  4 black strip wheels (soft)
  2 violet high-performance disc bristle grinders (grain size 36)
  2 green high-performance disc bristle grinders (grain size 50)
  2 white high-performance disc bristle grinders (grain size 120)
  1 assembly tool
- Air connection inlet: inside thread 12.91 mm (¼")
- Coupler plug: Nominal size 7.2 (included)
- Hose diameter (recommended): 10 mm
- Working pressure (bar): 6.3
- Sound power level: 86 db(A) Lp W
- Vibration acceleration: 3.11 m/s²
- Power in watts: 224 watts
- Cold insulated handle



YouTube Clip






9033-11-015


9033-11-020/4


9033-11-030/4

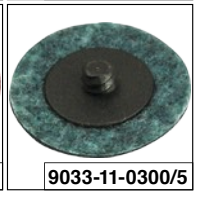

9033-11-036/2


9033-11-050/2


9033-11-0120/2


9033-11-080/5


9033-11-0150/5


9033-11-0300/5


9033-11-S 060
9033-11-S 080
9033-11-S 120

►

9033 Bristle grinder set

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HAZET No.	l/min.	rpm	db (A) LpA	g		EAN-No. 4000896+
9033-11/17	79	15000	75	540	17	222575
Bristle grinding disc For adaptation of abrasive substances such as strip wheel and brush wheels with Roloc™ quick-change system • Roloc® quick-change system for quick, tool-free assembly • Diameter: 50 mm • Thread: ¼" – 20 UNC						
9033-11-015	–	–	–	–	–	222841
Strip wheel set, 4-piece Ideal for work on tough surfaces of materials such as stainless steel, ferrous metal, non-ferrous metal, aluminium or for workpieces such as sheet metals, pipes, welding seams • Hard variant • Suitable for rust removal, paint stripping, cleaning welding seams, removing severe surface contamination and coatings • Use on larger surfaces • High edge strength • High durability • Set consisting of 4 discs • Reinforced Clean + Strip construction • Tough nylon fibre fleece • Coarse fibre fleece construction • Roloc® quick-change system • Diameter: 50.8 mm • Recommended rpm: 8000–10000 • Max. rpm: 18000						
9033-11-020/4	–	–	–	–	–	222834
Strip wheel set, 4-piece Ideal for work on tough surfaces • Soft variant • Flexible coarse cleaning disc for universal cleaning applications for use on larger surfaces • Set consisting of 4 discs • Reinforced Clean + Strip construction • Tough nylon fibre fleece • Open fleece structure • Roloc® quick-change system • Diameter: 50.8 mm • Recommended rpm: 8000–10000 • Max. rpm: 18000						
9033-11-030/4	–	–	–	–	–	222728
Replacement bristle grinder set, purple, 2 pieces Ideal for cleaning and gentle deburring • Enables consistent results and cleaning effect throughout the entire service life as no pressure is applied when working • Roloc® quick-change system allows the plastic brush to be changed quickly and easily without any extra tool • Disc can be loosened and tightened at the base plate by simple twisting • Solid plastic brush offset with ceramic grit • Adapts to contours and shape of the workpiece • Bristle length: approx. 16 mm • Max. rpm: 25000 • Diameter: 50 mm • Grain size: 36						
9033-11-036/2	–	–	–	–	–	222872
Replacement bristle grinder set, green, 2 pieces Ideal for cleaning and gentle deburring • Enables consistent results and cleaning effect throughout the entire service life as no pressure is applied when working • Roloc® quick-change system allows the plastic brush to be changed quickly and easily without any extra tool • Disc can be loosened and tightened at the base plate by simple twisting • Solid plastic brush offset with ceramic grit • Adapts to contours and shape of the workpiece • Bristle length: approx. 16 mm • Max. rpm: 25000 • Diameter: 50 mm • Grain size: 50						
9033-11-050/2	–	–	–	–	–	222865

►

9033 Bristle grinder set

◀

Ⓔ

HAZET No.	l/min.	rpm	db(A) LpA	g		EAN-No. 4000896+
Replacement bristle grinder set, white, 2 pieces Ideal for cleaning and gentle deburring • Enables consistent results and cleaning effect throughout the entire service life as no pressure is applied when working • Roloc® quick-change system allows the plastic brush to be changed quickly and easily without any extra tool • Disc can be loosened and tightened at the base plate by simple twisting • Solid plastic brush offset with ceramic grit • Adapts to contours and shape of the workpiece • Bristle length: approx. 16 mm • Max. rpm: 25000 • Diameter: 50 mm • Grain size: 120						
9033-11-0120/2	–	–	–	–	–	222858

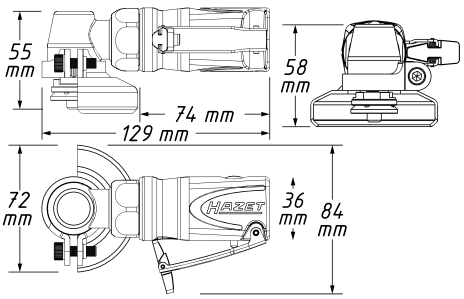
9033 Mini right-angle grinder

- **Heavy-duty multi-bearing gearbox with a 2.5-times longer service life compared to conventional gearboxes**

- Application: Handy and light tool for working in areas with difficult access
- For grinding wheels: 50 – 59 mm
- For grinding wheel thickness: 1 – 4 mm
- Adjustable protection cover
- Spindle thread: ⅜ inch 24 UNF
- Exhaust air is guided through the handle
- Air connection inlet: inside thread 12.91 mm (¼")
- Coupler plug: Nominal size 7.2 (included)
- Hose diameter (recommended): 10 mm
- Working pressure (bar): 6.3
- Sound power level: 96.8 db(A) Lp W
- Vibration acceleration: 1.90 m/s²
- Power in watts: 224 watts
- Cold insulated handle



YouTube Clip







mini TOOL

12.91(¼) 7.2
9000-010

HAZET No.	l/min.	rpm	db(A) LpA	g		EAN-No. 4000896+
9033 M-7	84	18000	85.8	530	–	227242
• **10 cut-off wheels 50 x 1 x 10 mm** • For steel and stainless steel • Maximum cutting speed 100 m/s						
9033 M-07/10	–	–	–	–	10	229680

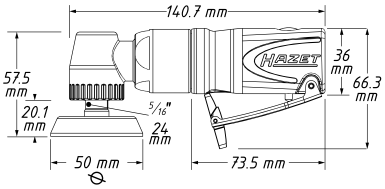
9033 Mini polisher

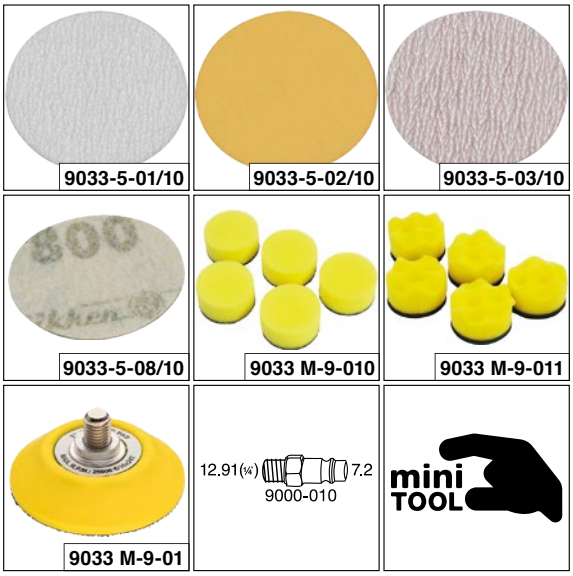
- **Heavy-duty multi-bearing gearbox with a 2.5-times longer service life compared to conventional gearboxes**
- **Optimised for spot repairs**

- Application: For working in areas with difficult access and repair work
- Extremely light, handy tool
- Grinding disc diameter: 50 mm
- Grinding disc thread: 5/16 inch UNF
- Exhaust air is guided through the handle
- Air connection inlet: inside thread 12.91 mm (¼")
- Coupler plug: Nominal size 7.2 (included)
- Hose diameter (recommended): 10 mm
- Working pressure (bar): 6.3
- Sound power level: 94.4 db(A) Lp W
- Vibration acceleration: 1.90 m/s²
- Power in watts: 224 watts
- Cold insulated handle



YouTube Clip





HAZET No.	l/min.	rpm	db(A) LpA	g	EAN-No. 4000896+
9033 M-9	84	4500	83.6	600	227235
• 10 **spare grinding pads**, 320 grain size, ∅ 50 mm					
9033-5-01/10	–	–	–	10	160525
• 10 **spare grinding pads**, 400 grain size, ∅ 50 mm					
9033-5-02/10	–	–	–	7	160730
• 10 **spare grinding pads**, 600 grain size, ∅ 50 mm					
9033-5-03/10	–	–	–	18	160747
• 10 **spare grinding pads**, 800 grain size, ∅ 75 mm					
9033-5-08/10	–	–	–	–	228317
• **Spare polishing disc**, ∅ 50 mm					
9033 M-9-01	–	–	–	–	228362
• 5 **spare polishing pads**, flat, ∅ 50 mm					
9033 M-9-010	–	–	–	–	228324
• 5 **spare polishing pads**, curved, ∅ 50 mm					
9033 M-9-011	–	–	–	–	228331

Components and spare parts
from page 482 to 490

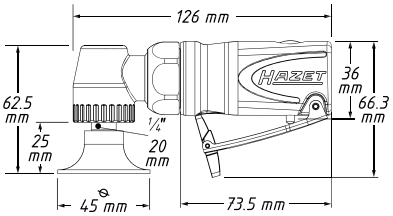


9033 Mini disc sander · angled

- **Heavy-duty multi-bearing gearbox with a 2.5-times longer service life compared to conventional gearboxes**
- **Optimised for spot repairs**

- Application: For processing surfaces even in hard to reach work areas, e.g. for removing rust, stripping paint, removing adhesive and sealing residues, as well as for cleaning/processing surfaces, weld seams, etc. using various abrasive media
- Roloc® quick-change system:
  Combine with many abrasive media
  Fast, tool-free, easy change of abrasives
- Grinding disc diameter: 50 mm
- Grinding disc thread: ¼ inch–20 UNF
- Exhaust air is guided through the handle
- Air connection inlet: inside thread 12.91 mm (¼")
- Coupler plug: Nominal size 7.2 (included)
- Hose diameter (recommended): 10 mm
- Working pressure (bar): 6.3
- Sound power level: 95.2 db(A) Lp W
- Vibration acceleration: 1.80 m/s²
- Power in watts: 224 watts
- Cold insulated handle





YouTube Clip


9033-11-020/4


9033-11-030/4


9033-11-036/2


9033-11-050/2


9033-11-080/5

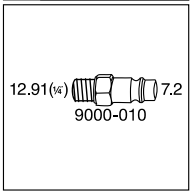

9033-11-0120/2


9033-11-0150/5


9033-11-0300/5


9033-11-S 060
9033-11-S 080
9033-11-S 120


9033 M-11-015





HAZET No.	l/min.	rpm	db (A) LpA	g		EAN-No. 4000896+
9033 M-11	84	18000	84.2	440	–	227129
• 1 piece **Replacement grinding disc** • Roloc® connection with ¼ inch UNF thread (inside thread)						
9033 M-11-015	–	–	–	–	–	228355

9033 Mini disc sander · angled

HAZET No.	l/min.	rpm	db (A) LpA	g		EAN-No. 4000896+
• 5 pieces **Abrasive material, red**, ∅ 50 mm, 150 grain size • Base component: nylon, Abrasive: resin • Roloc® connection						
9033-11-0150/5	–	–	–	–	5	228256
Strip wheel set, 4-piece Ideal for work on tough surfaces of materials such as stainless steel, ferrous metal, non-ferrous metal, aluminium or for workpieces such as sheet metals, pipes, welding seams • Hard variant • Suitable for rust removal, paint stripping, cleaning welding seams, removing severe surface contamination and coatings • Use on larger surfaces • High edge strength • High durability • Set consisting of 4 discs • Reinforced Clean + Strip construction • Tough nylon fibre fleece • Coarse fibre fleece construction • Roloc® quick-change system • Diameter: 50.8 mm • Recommended rpm: 8000–10000 • Max. rpm: 18000						
9033-11-020/4	–	–	–	–	–	222834
• 5 pieces **Abrasive material, blue**, ∅ 50 mm, 300 grain size • Base component: nylon, Abrasive: resin • Roloc® connection						
9033-11-0300/5	–	–	–	–	5	228263
Strip wheel set, 4-piece Ideal for work on tough surfaces • Soft variant • Flexible coarse cleaning disc for universal cleaning applications for use on larger surfaces • Set consisting of 4 discs • Reinforced Clean + Strip construction • Tough nylon fibre fleece • Open fleece structure • Roloc® quick-change system • Diameter: 50.8 mm • Recommended rpm: 8000–10000 • Max. rpm: 18000						
9033-11-030/4	–	–	–	–	–	222728
Replacement bristle grinder set, purple, 2 pieces Ideal for cleaning and gentle deburring • Enables consistent results and cleaning effect throughout the entire service life as no pressure is applied when working • Roloc® quick-change system allows the plastic brush to be changed quickly and easily without any extra tool • Disc can be loosened and tightened at the base plate by simple twisting • Solid plastic brush offset with ceramic grit • Adapts to contours and shape of the workpiece • Bristle length: approx. 16 mm • Max. rpm: 25000 • Diameter: 50 mm • Grain size: 36						
9033-11-036/2	–	–	–	–	–	222872
• 5 pieces **Abrasive material, brown**, ∅ 50 mm, 80 grain size • Base component: nylon, Abrasive: resin • Roloc® connection						
9033-11-080/5	–	–	–	–	5	228270
Replacement bristle grinder set, green, 2 pieces Ideal for cleaning and gentle deburring • Enables consistent results and cleaning effect throughout the entire service life as no pressure is applied when working • Roloc® quick-change system allows the plastic brush to be changed quickly and easily without any extra tool • Disc can be loosened and tightened at the base plate by simple twisting • Solid plastic brush offset with ceramic grit • Adapts to contours and shape of the workpiece • Bristle length: approx. 16 mm • Max. rpm: 25000 • Diameter: 50 mm • Grain size: 50						
9033-11-050/2	–	–	–	–	–	222865

9033 Mini disc sander · angled

◄

HAZET No.	l/min.	rpm	db (A) LpA	g		EAN-No. 4000896+
Replacement bristle grinder set, white, 2 pieces Ideal for cleaning and gentle deburring • Enables consistent results and cleaning effect throughout the entire service life as no pressure is applied when working • Roloc® quick-change system allows the plastic brush to be changed quickly and easily without any extra tool • Disc can be loosened and tightened at the base plate by simple twisting • Solid plastic brush offset with ceramic grit • Adapts to contours and shape of the workpiece • Bristle length: approx. 16 mm • Max. rpm: 25000 • Diameter: 50 mm • Grain size: 120						
9033-11-0120/2	–	–	–	–	–	222858
• 5 pieces **Grinding pads**, ∅ 50 mm, 60 grain size • Base component: paper, Abrasive: resin, stearic acid metal salt • Roloc® connection						
9033-11-S 060	–	–	–	–	5	228287
• 5 pieces **Grinding pads**, ∅ 50 mm, 80 grain size • Base component: paper, Abrasive: resin, stearic acid metal salt • Roloc® connection						
9033-11-S 080	–	–	–	–	5	228294
• 5 pieces **Grinding pads**, ∅ 50 mm, 120 grain size • Base component: paper, Abrasive: resin, stearic acid metal salt • Roloc® connection						
9033-11-S 120	–	–	–	–	5	228300

9032 Carbide milling pin set · 3 mm

Made in Germany

- **Long service life and good cutting performance when used on diverse materials**

- Suitable for hand-guided or stationary drive machines
- According to DIN 8032

HAZET application tip:

- **Use as high speeds as possible**
- Contact surface between milling pin and workpiece should never exceed 30 % of the complete milling circumference
- Milling pins with 3 mm shaft
- Working length: approx. 13 mm (cylindrical and cone-shaped)
- Set with 5 different milling cutters (3 mm shaft) in cylindrical, tapered and spherical shape
- Head diameter (cylindrical shape): 3 / 6 mm
- Head diameter (spherical shape): approx. 3 / 6 mm

YouTube Clip















►

9032 Carbide milling pin set · 3 mm

◄

9032-03 KE

9032-03 KU 6

9032-03 ZY 6

9032-03 KU 3

9032-03 ZY 3

HAZET No.		EAN-No. 4000896+
• Set with 5 different milling cutters (3 mm shaft) in cylindrical, tapered and spherical shape • Head diameter (cylindrical shape): 3 / 6 mm • Head diameter (spherical shape): approx. 3 / 6 mm		
9032-03/5	5	222483
• Milling pin, cone-shaped		
9032-03 KE	–	226771
• Milling pin, cone-shaped, ∅ 3 mm		
9032-03 KU 3	–	226405
• Milling pin, cone-shaped, ∅ 6 mm		
9032-03 KU 6	–	226764
• Milling pin, cylinder shape, ∅ 3 mm		
9032-03 ZY 3	–	226788
• Milling pin, cylinder shape, ∅ 6 mm		
9032-03 ZY 6	–	226795

9032 Carbide milling pin set · 6 mm

Made in Germany

- **Long service life and good cutting performance when used on diverse materials**

- Suitable for hand-guided or stationary drive machines
- According to DIN 8032

HAZET application tip:

- **Use as high speeds as possible**
- Contact surface between milling pin and workpiece should never exceed 30 % of the complete milling circumference
- Milling pin with 6 mm shaft
- Working length: approx. 19 mm (cylindrical and cone-shaped)
- Set with 3 different milling cutters (6 mm shaft) in cylindrical, tapered and spherical shape
- Head diameter (cylindrical shape): 10 mm
- Head diameter (spherical shape): approx. 9 mm

YouTube Clip














9032-06 KE


9032-06 KU


9032-06 ZY

HAZET No.		EAN-No. 4000896+
• Set with 3 different milling cutters (6 mm shaft) in cylindrical, tapered and spherical shape • Head diameter (cylindrical shape): 10 mm • Head diameter (spherical shape): approx. 9 mm		
9032-06/3	3	222667
• Milling pin, cone-shaped		
9032-06 KE	–	226825
• Milling pin, cone-shaped, ∅ 9 mm		
9032-06 KU	–	226801
• Milling pin, cylinder shape, ∅ 10 mm		
9032-06 ZY	–	226818

Components and spare parts
from page 482 to 490

9034 P Sabre saw

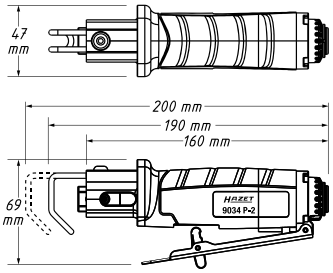
• Increased efficiency with reduction of weight, air consumption, noise generation and vibration

- Direction of air exhaust adjustable
- Suitable for cutting small radii
- Cutting capacity aluminium: 4 mm
- Cutting capacity sheet steel: 3 mm
- Strokes/min.: 9500
- Particularly suitable for cleaning sensor modules etc. due to file blade socket (included in delivery)

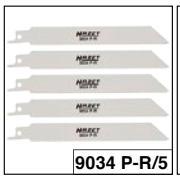
Contents:
1 sabre saw
3 saw blades, 18 / 24 / 32 teeth each (overall length: 93 mm)
1 reciprocating saw blade, 18 teeth (overall length: 153 mm)
5 files (overall length: ~135 mm)
1 inside hexagon socket wrench (in the handle)

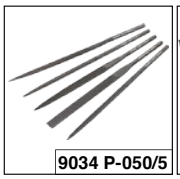
- Air connection inlet: inside thread 12.91 mm (¼")
- Coupler plug: Nominal size 7.2 (included)
- Hose diameter (recommended): 10 mm
- Working pressure (bar): 6.3
- Sound power level: 97.7 db(A) Lp W
- Vibration acceleration: 6.13 m/s²
- Saw stroke: 10 mm

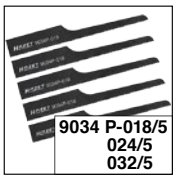
YouTube Clip






9034 P-R/5


9034 P-050/5


9034 P-018/5
024/5
032/5

HAZET No.	l mm	l/min.	db(A) LpA	g	EAN-No. 4000896+
9034 P-2	160	99	86.7	400	218288
Reziprok sabre saw blades suitable for sabre saw 9034 P-2 • 5 pieces per package • Bevelled, corrugated teeth • For all metals including non-iron pipes, sheets and stainless steel, material thickness 1.5 – 3 mm • Total length: 153 mm • Bi-metal					
9034 P-R/5	153	–	–	175	218318
File set suitable for sabre saw 9034 P-2 • 5 pieces per package • Contents: 1 round file 1 triangular file 1 half-round file 1 flat file 1 square file • Suitable for numerous materials • Total length: approx. 135 mm					
9034 P-050/5	135	–	–	115	218349
Saw blades suitable for 9034-1 · 9034 P-1 · 9034 P-2 sabre saws • 5 pieces per package • 93 mm total length • Socket 1 x 13 mm • **18 teeth**					
9034 P-018/5	93	–	–	–	225958
Saw blades suitable for 9034-1 · 9034 P-1 · 9034 P-2 sabre saws • 5 pieces per package • 93 mm total length • Socket 1 x 13 mm • **24 teeth**					
9034 P-024/5	93	–	–	–	225965

▶

9034 P Sabre saw

◀

HAZET No.	l mm	l/min.	db(A) LpA	g	EAN-No. 4000896+
Saw blades suitable for 9034-1 · 9034 P-1 · 9034 P-2 sabre saws • 5 pieces per package • 93 mm total length • Socket 1 x 13 mm • **32 teeth**					
9034 P-032/5	93	–	–	–	225989

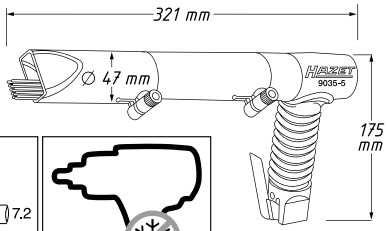
9035 Needle scaler

• Pistol shape

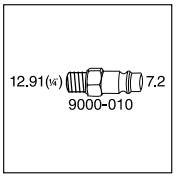
- Adjustable needle cover enables maximum utilisation of needles
- Two-piece housing design for easy maintenance
- 19 needles, ∅ 3 mm
- 3,200 impacts/min
- Air connection inlet: inside thread 12.91 mm (¼")
- Coupler plug: Nominal size 7.2 (included)
- Working pressure (bar): 6.3
- Vibration acceleration: 8.70 m/s²
- Cold insulated handle



360°




9035-050



HAZET No.	l/min.	db(A) LpA	g	EAN-No. 4000896+
9035-5	170	97	2600	132355
• **Spare needles** For needle scaler 9035-5 19 needles, ∅ 3 mm				
9035-050	–	–	202	139385

9035 Needle scaler

• Extremely slim / short pin form and free needles allow you to reach difficult to access areas as well.

- 28 mm slim handle guarantees best haptics
- 235.6 mm short device even reaches restricted spaces
- 13 thin needles (∅ 1.3 mm) ensure damage-free processing and highly fine surface structure
- Powerful and efficient tool
- Only 480 g – very lightweight and easy to handle
- 3000 impacts/min
- Safety lever
- Infinite adjustable power
- Air connection inlet: inside thread 12.91 mm (¼")
- Coupler plug: Nominal size 7.2 (included)
- Working pressure (bar): 6.3
- Sound power level: 98.8 db(A) Lp W
- Vibration acceleration: 6.90 m/s²
- Cold insulated handle



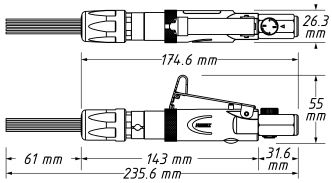
▶

Components and spare parts from page 482 to 490

9035 Needle scaler





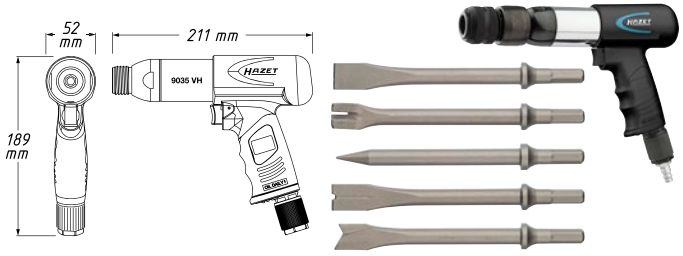


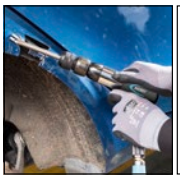
HAZET No.	l mm	l/min.	db(A) LpA	g	EAN-No. 4000896+
9035 M-5	235.6	48.1	87.9	480	232284
• **Spare needles** For needle scaler 9035 M-5 13 needles, ∅ 1.3 mm					
9035 M-050	–	–	–	–	233205

9035 H Chisel hammer set

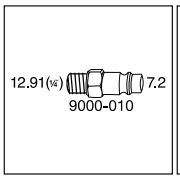
- Strike rate adjustable in 9 levels up to 2600 strikes/min
- Chisel collet: ⬡ 10 mm
- Shaft collet length: 73 mm
- Plastic case
- Air connection inlet: inside thread 12.91 mm (¼")
- Coupler plug: Nominal size 7.2 (included)
- Working pressure (bar): 6.3
- Cold insulated handle

YouTube Clip











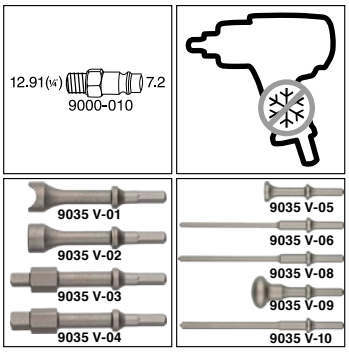
HAZET No.	l mm	g		EAN-No. 4000896+
• **Chisel hammer set** • Air requirement: 57 – 594 l/min • Sound pressure level: 92 – 105 dB(A) Lp A				
9035 H/6	–	2500	6	214655
• **Combination basic unit** with vibration and hammer function • Plastic case • Air requirement: 57 – 594 l/min • Sound pressure level: 92 – 105 dB(A) Lp A				
9035 VH	–	2500	–	214020
• **Keyless drill chuck** • For 9035 VH · 9035 H/6 · 9035 V/5				
9035 VH-01	–	–	–	214242
• **Spare chisel set** for 9035 H/6 • Contents: 9035 H-01 · 02 · 03 · 04				
9035 H/5	–	–	5	214006
• Flat chisel				
9035 H-01	175	–	–	214136
• Sheet cutting chisel				
9035 H-02	177.5	–	–	213924
• Pointed chisel				
9035 H-03	174	–	–	214198
• Rivet cutting chisel				
9035 H-04	174	–	–	214143
• Curve cutting chisel				
9035 H-05	176.5	–	–	214525

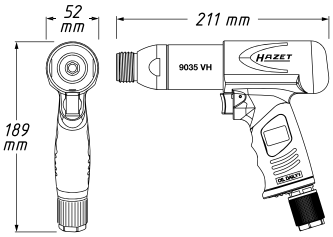
9035 V Vibration chisel set

- Strike rate adjustable in 9 levels up to 2600 strikes/min
- Chisel collet: ⬡ 10 mm
- Shaft collet length: 73 mm
- Plastic case
- Air connection inlet: inside thread 12.91 mm (¼")
- Coupler plug: Nominal size 7.2 (included)
- Working pressure (bar): 6.3
- Cold insulated handle

YouTube Clip







HAZET No.	l mm	g		EAN-No. 4000896+
• **Vibration chisel set** • Air requirement: 57 – 594 l/min • Sound pressure level: 92 – 105 dB(A) Lp A				
9035 V/5	–	2500	5	213368
• **Combination basic unit** with vibration and hammer function • Plastic case • Air requirement: 57 – 594 l/min • Sound pressure level: 92 – 105 dB(A) Lp A				
9035 VH	–	2500	–	214020
• **Keyless drill chuck** • For 9035 VH · 9035 H/6 · 9035 V/5				
9035 VH-01	–	–	–	214242
• **Spare chisel set** for 9035 V/5 • Contents: 9035 V-01 · 02 · 03 · 04				
9035 V/4	–	–	4	214013
• Semi-circular vibration chisel				
9035 V-01	114	–	–	214181
• Circular vibration chisel				
9035 V-02	112	–	–	214174
• Vibration chisel ■ 10 = ⅜" / ⬢ s 19 mm				
9035 V-03	127.5	–	–	214167
• Vibration chisel ■ 12.5 = ½" / ⬢ s 19 mm				
9035 V-04	128	–	–	214150
• Vibration chisel, flat				
9035 V-05	91.5	–	–	227266
• Vibration drift pin 6 mm				
9035 V-06	197	–	–	227259
• Vibration drift pin 8 mm				
9035 V-08	197	–	–	227297
• Curved vibration chisel				
9035 V-09	110	–	–	227280
• Vibration drift pin 10 mm				
9035 V-010	197	–	–	227273

Components and spare parts
from page 482 to 490

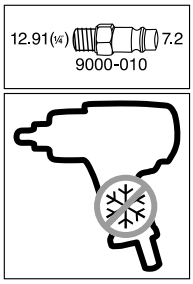


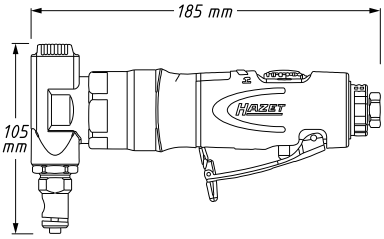
9036 Air nibbler

- **Continuous speed regulation via speed regulator on back of handle**

- Application: Ideal for cutting small radii (**min. 4.5 mm**). Also suitable for cutting plastic
- Cutting capacity: steel 1.2 mm / aluminium 1.6 mm
- Cutting width: 4.5 mm
- Air connection inlet: inside thread 12.91 mm (¼")
- Coupler plug: Nominal size 7.2 (included)
- Hose diameter (recommended): 10 mm
- Working pressure (bar): 6.3
- Sound power level: 87 db(A) Lp W
- Vibration acceleration: 1.90 m/s²
- Power in watts: 370 watts
- Cold insulated handle







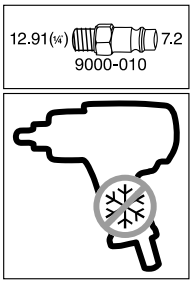
HAZET No.	l/min.	rpm	db (A) LpA	g	EAN-No. 4000896+
9036 N-1	104	2600	80	1000	209668

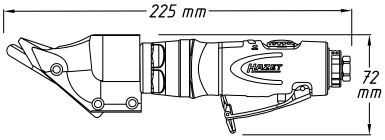
9036 Metal shear

- **Heavy-duty cutting blade for maximum cutting capacity: steel 1.2 mm / aluminium 1.6 mm**

- Application: For highly precise cutting of all aluminium and steel sheets
- Ideal for straight cuts
- Also appropriate for contour cuts
- Continuous speed regulation via speed regulator on back of handle
- Vibration damped
- Cutting width: 4.5 mm
- Air connection inlet: inside thread 12.91 mm (¼")
- Coupler plug: Nominal size 7.2 (included)
- Hose diameter (recommended): 10 mm
- Working pressure (bar): 6.3
- Sound power level: 86 db(A) Lp W
- Vibration acceleration: 1.60 m/s²
- Power in watts: 370 watts
- Cold insulated handle







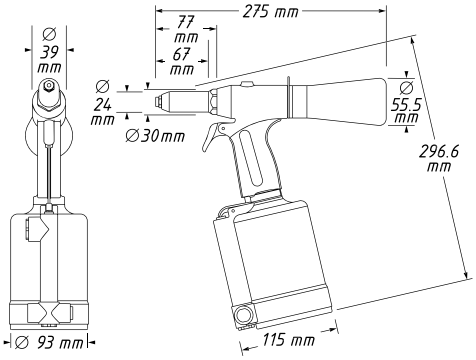
HAZET No.	l/min.	db (A) LpA	g	EAN-No. 4000896+
9036 N-5	104	80	1000	209651

Blind rivet guns

9037 Blind rivet gun

- **Pneumatic / hydraulic**
  Suitable for stainless steel rivets up to 6.4 mm

- Professional riveting, suitable for continuous operation with rivets of up to 6.4 mm made of steel, stainless steel, aluminium and copper
- Possible rivet sizes: 3.0 · 3.2 · 4.0 · 4.8 · 5.0 · 6.0 and 6.4 mm
- 5 nose pieces (one pre-installed)
- Thread size of nose pieces: M10 x 1.25
- Total stroke: 15.8 mm
- High tractive power: 14700 N
- Particularly low noise level
- Rotary joint for flexible use
- Rivet and nose piece template on the underside of the rivet gun
- Storage of the different nose pieces on the underside of the rivet gun
- Top up simple oil using special design of the rivet gun
- Includes maintenance set for oil control (oil-supported pressure build-up)
- Air requirement: 2.64 l/stroke
- Air connection inlet: inside thread 12.91 mm (¼")
- Coupler plug: Nominal size 7.2 (included)
- Hose diameter (recommended): 10 mm
- Working pressure (bar): 6.3
- Cold insulated handle



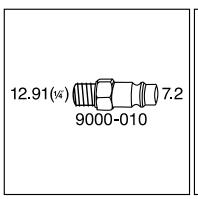














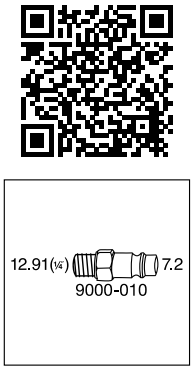
HAZET No.	g	EAN-No. 4000896+
9037 N-2	2110	205578

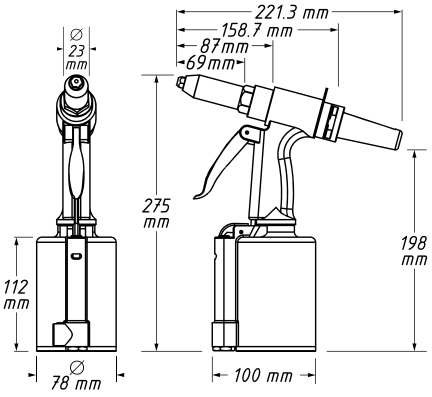
9037 Blind rivet gun

- **Pneumatic / hydraulic**
  For blind rivets up to 4.8 mm

- Possible rivet sizes: 2.4–3.0–3.2–4.0–4.8 mm
  Aluminium rivets: 2.4–4.8 mm
  Steel rivets: 2.4–4.8 mm
  Stainless steel rivets: 2.4–3.2 mm
- 4 nose pieces (one pre-installed): 2.4 · 3.2 · 4 · 4.8 mm
- With sturdy metal housing
- Tractive power: 8700 N
- Coupler plug with rotary joint for flexible operation
- Air requirement: 1 l/stroke
- Air connection inlet: inside thread 12.91 mm (¼")
- Coupler plug: Nominal size 7.2 (included)
- Working pressure (bar): 6.3

360°







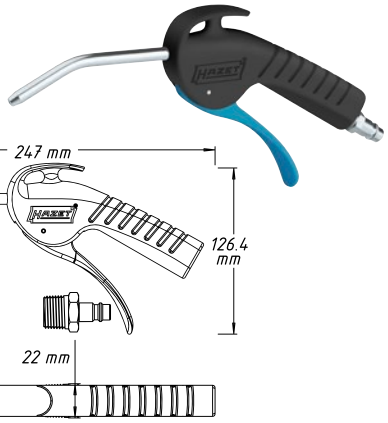
HAZET No.	db (A) LpA	g	EAN-No. 4000896+
9037 SPC	73	1500	150168

Air blow tools

9040 Air blow gun · 100 mm

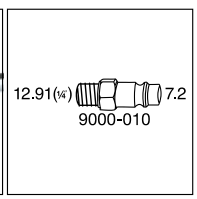
- **Standard nozzle**
- **Curved tube**

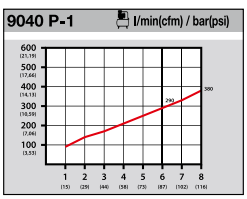
- Application: Fast removal of shavings or other foreign objects, especially in areas that are difficult to access
- To be used on machinery, in workshops, for wood work, in hobby workshops and in the home
- Handle, trigger and valve made of acetal plastic
- Seals and O-rings made of nitrile
- Spring made of hardened spring steel
- Air connection inlet: inside thread 12.91 mm (¼")
- Coupler plug: Nominal size 7.2 (included)
- Working pressure (bar): 6
- Max. working pressure [bar]: 16 bar
- Pipe ∅: 8 mm
- Blast pipe and shaft made of steel
- 2003/10/CE Max 85 dB
- OSHA 1910.95 (b) Max 90 dB 8 hr
- Temperature range: -10°C – 80°C



YouTube Clip







HAZET No.	l mm	l/min.	db (A) LpA	g	EAN-No. 4000896+
9040 P-1	247	290	84	105	209545

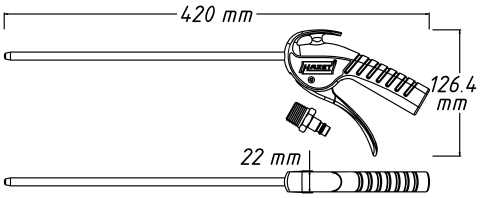
9040 Air blow gun · 300 mm

- **Long nozzle**
- **Straight tube**

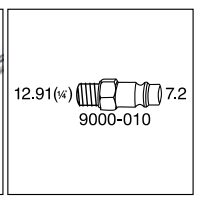
- Application: Fast removal of shavings or other foreign objects, especially in areas that are difficult to access
- To be used on machinery, in workshops, for wood work, in hobby workshops and in the home
- Handle, trigger and valve made of acetal plastic
- Seals and O-rings made of nitrile
- Spring made of hardened spring steel
- Air connection inlet: inside thread 12.91 mm (¼")
- Coupler plug: Nominal size 7.2 (included)
- Hose diameter (recommended): 10 mm
- Working pressure (bar): 6
- Max. working pressure [bar]: 16 bar
- Pipe ∅: 8 mm
- Blast pipe and shaft made of steel
- Blast pipe length ~ 280 mm
- 2003/10/CE Max 85 dB
- OSHA 1910.95 (b) Max 90 dB 8 hr
- Temperature range: -10°C – 80°C

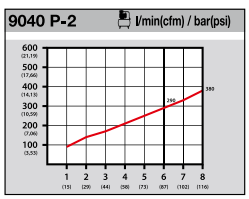


YouTube Clip









HAZET No.	l mm	l/min.	db (A) LpA	g	EAN-No. 4000896+
9040 P-2	420	290	84	190	209552

Components and spare parts
from page 482 to 490



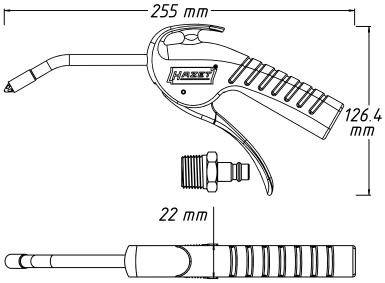
9040 Air blow gun · 100 mm · quiet · with bent pipe

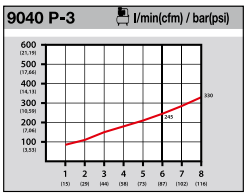
- **Extreme reduction of noise**
- **Strong blowing force**
- **Non-blocking**

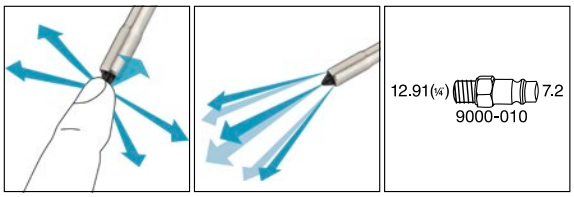
- Application: Fast removal of shavings or other foreign objects, especially in areas that are difficult to access
- To be used on machinery, in workshops, for wood work, in hobby workshops and in the home
- Handle, trigger and valve made of acetal plastic
- Seals and O-rings made of nitrile
- Spring made of hardened spring steel
- Air connection inlet: inside thread 12.91 mm (¼")
- Coupler plug: Nominal size 7.2 (included)
- Working pressure (bar): 6
- Max. working pressure [bar]: 12 bar
- Pipe ∅: 8 mm
- Blast pipe and shaft made of steel
- 2003/10/CE Max 85 dB
- OSHA 1910.95 (b) Max 90 dB 8 hr
- OSHA STD 1-13.1, Max 30 PSI if blocked
- Temperature range: -10°C – 80°C

YouTube Clip









HAZET No.	l mm	l/min.	db (A) LpA	g	EAN-No. 4000896+
9040 P-3	255	245	76.8	100	209644

9040 Air blow gun · 100 mm · with Venturi nozzle and bent pipe

- **100% increase in air outlet quantity thanks to Venturi nozzle**
- **Extreme blowing force**
- **Non-blocking**

- Application: Fast removal of shavings or other foreign objects, especially in areas that are difficult to access
- To be used on machinery, in workshops, for wood work, in hobby workshops and in the home
- Handle, trigger and valve made of acetal plastic
- Seals and O-rings made of nitrile
- Spring made of hardened spring steel
- Air connection inlet: inside thread 12.91 mm (¼")
- Coupler plug: Nominal size 7.2 (included)
- Working pressure (bar): 6
- Max. working pressure [bar]: 16 bar
- Pipe ∅: 8 mm
- Blast pipe and shaft made of anodised steel
- OSHA 1910.95 (b) Max 90 dB 8 hr
- OSHA STD 1-13.1, Max 30 PSI if blocked
- Temperature range: -10°C – 80°C

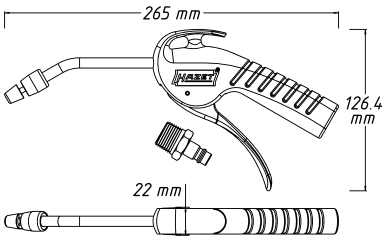
YouTube Clip

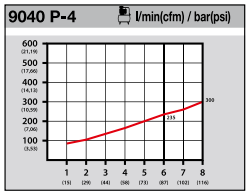


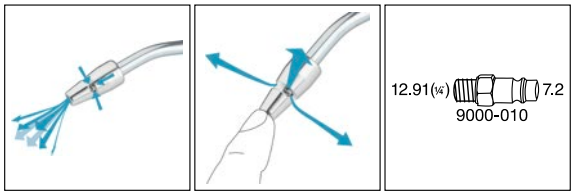
►

9040 Air blow gun · 100 mm · with Venturi nozzle and bent pipe

◄







HAZET No.	l mm	l/min.	db (A) LpA	g	EAN-No. 4000896+
9040 P-4	265	235	83.7	165	209569

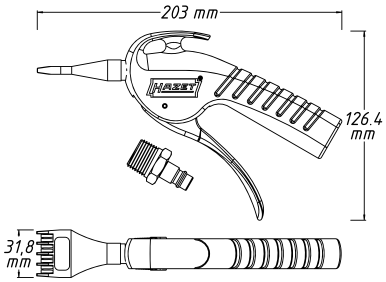
9040 Air blow gun · quiet · with wide flat nozzle

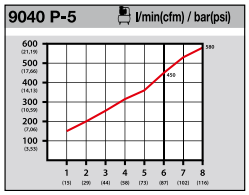
- **Wide flat nozzle for cleaning surfaces**
- **Considerable blowing force**
- **Non-blocking**

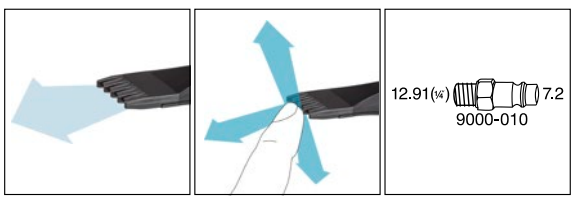
- Application: Fast removal of shavings or other foreign objects, especially in areas that are difficult to access
- To be used on machinery, in workshops, for wood work, in hobby workshops and in the home
- Handle, trigger and valve made of acetal plastic
- Seals and O-rings made of nitrile
- Spring made of hardened spring steel
- Air connection inlet: inside thread 12.91 mm (¼")
- Coupler plug: Nominal size 7.2 (included)
- Working pressure (bar): 6
- Max. working pressure [bar]: 8 bar
- 2003/10/CE Max 85 dB
- OSHA 1910.95 (b) Max 90 dB 8 hr
- OSHA STD 1-13.1, Max 30 PSI if blocked
- Temperature range: -10°C – 80°C

YouTube Clip









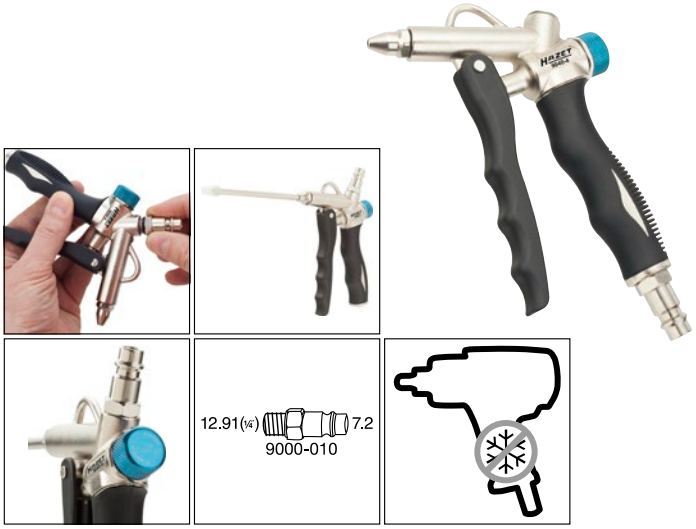
HAZET No.	l mm	l/min.	db (A) LpA	g	EAN-No. 4000896+
9040 P-5	203	450	78	95	209576

9040 2-way air blow gun

• Choice of air supply at tool head or handle

- Application: Fast removal of chips or other foreign objects
- Exchangeable nozzles:
  – Short nozzle for areas with restricted access
  – Long nozzle (112 mm) with safety nozzle tip (scratch protection)
- Maximum pressure: 10 bar
- Pressure regulator
- To be used on machinery, in workshops, for wood work, in hobby workshops and in the home
- Aluminium housing
- Thread nozzles: 1/8 inch PF 28 (9.728 mm outside ∅ / 0.907 mm pitch)
- Air connection inlet: inside thread 12.91 mm (¼")
- Coupler plug: Nominal size 7.2 (included)
- Working pressure (bar): 6.3
- Anti-slip, cold insulated handle

360°



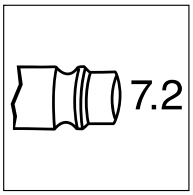
HAZET No.	l/min.	db (A) LpA	g	EAN-No. 4000896+
9040-4	330	86	205	176236

9040 Blow pen

• Practical and compact design with clip for fixation e.g. in pockets

- Turn to adjust air flow
- Nozzle: 3 mm ∅
- Easy handling, clicks directly on air coupling 7.2 mm
- Inlet pressure: 12 bar
- Max. airflow at 6 bar: 360 l/min
- Perbunan seal (NBR)
- Duraluminium housing
- Coupler plug: integrated, nominal size 7.2





360°

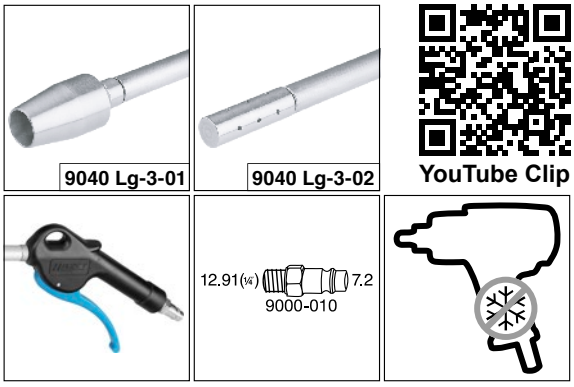
HAZET No.	EAN-No. 4000896+
9040-3	109500



9040 LG Air blow gun · long

• With 90° side nozzle and Venturi nozzle

- Application: Cleaning areas with restricted access on vehicles, machinery and agricultural machinery
  Especially suitable for cleaning cooling fins
- Grip area with insulated lance to protect it from cold
- Increased efficiency due to Venturi nozzle (54 mm / 35 gram)
- 90° side nozzle (32 mm / 8.4 gram) for cleaning cooling fins
- Maximum pressure: 12 bar
- Ergonomic handle
- Air connection inlet: inside thread 12.91 mm (¼")
- Coupler plug: Nominal size 7.2 (included)
- Hose diameter (recommended): 10 mm
- Working pressure (bar): 6.3
- Cold insulated handle



YouTube Clip



HAZET No.	l mm	l/min.	g		EAN-No. 4000896+
9040 Lg-3/2	1085	450	313	2	206339

Components and spare parts from page 482 to 490

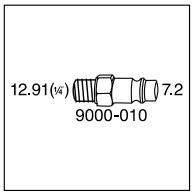
Tyre filling devices and measurement devices

9041 Tyre inflator

• Special rubber housing protects manometer against light impacts

- Handle with operating lever and discharge knob (for one-hand use)
- Tube with plug-in nipple
- Max. pressure: 8 bar
- Handle with integrated suspension hook
- Manometer measuring range: 0 – 12 bar
  Graduation: 0.1 bar
- Flexible tube, length: 400 mm
- Manometer diameter: 63 mm
- Air connection inlet: inside
  thread 12.91 mm (¼")
- Coupler plug: Nominal size 7.2 (included)





HAZET No.	g	EAN-No. 4000896+
9041-1	411	147076

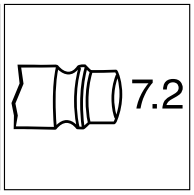
9041 Tyre inflator · digital

• Easy and optimal readability also in poor light conditions

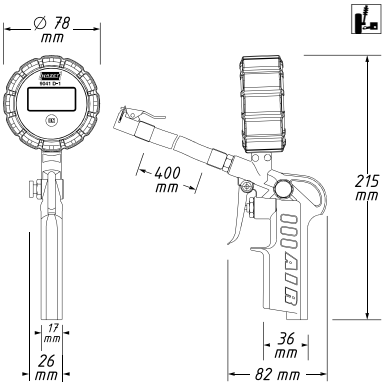
- Application: Filling tyres and checking the air pressure
- Special rubber housing protects manometer against light impacts
- Handle with operating lever for filling as well as deflating button for one-hand use
- Hose with plug-in nipple
- Handle with integrated suspension hook
- Manometer measuring range: 0 – 12 bar, graduation: 0.01 bar
- Measuring tolerance: ±1%
- Blue lighting of the display
- Flexible tube, length: 400 mm
- Manometer diameter: 63 mm
- Device dimensions: 262 x 105 x 40 mm
- Display toggles between bar / PSI / kg/cm²
- Max. pressure: 12 bar
- Application air humidity: 60%
- Power supply: 2 x 1.5V lithium batteries type AAA
- Air connection inlet: inside thread 12.91 mm (¼")
- Coupler plug: integrated, nominal size 7.2
- Temperature range: -20°C – 50°C







9041 Tyre inflator · digital



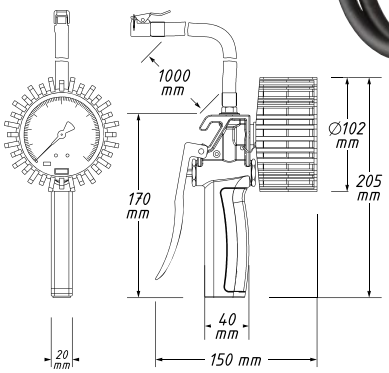
HAZET No.	g	EAN-No. 4000896+
9041 D-1	385	212378

9041 Tyre inflator · calibrated

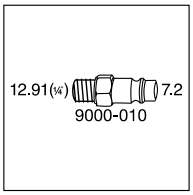
• Calibrated device with optimally readable, large manometer

- Application: Precise filling of tyres and checking the air pressure
- Special rubber housing protects manometer against light impacts
- Handle with operating lever for filling and deflating (for one-hand use)
- Hose with plug-in nipple
- Handle with integrated suspension hook
- Manometer measuring range: 0 – 12 bar, graduation: 0.1 bar
- Flexible tube, length: 1000 mm
- Manometer diameter: 80 mm
- Device dimensions: 220 x 150 x 90 mm
- Max. pressure: 10 bar
- Application air humidity: 60%
- Air connection inlet: inside thread 12.91 mm (¼")
- Coupler plug: integrated, nominal size 7.2
- Temperature range: -20°C – 60°C









HAZET No.	g	EAN-No. 4000896+
9041 G-1	585	212385

Grease gun, spray gun, air blow and suction gun

9042 N Grease gun

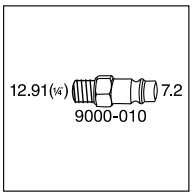
- **Grease gun adjustable to 360° with continuous pumping of grease and bleeder valve**

- Gun-filling with grease cartridges, loose grease
- Metal tube length: 172 mm
- Nylon hose length: 230 mm
- Filling capacity: 400 ml
- Compaction: 40:1
- Coupler thread metal tube / nylon hose: M10 x 1 (conical)
- Air connection inlet: inside thread 12.91 mm (¼")
- Coupler plug: Nominal size 7.2 (included)
- Working pressure (bar): 6.3









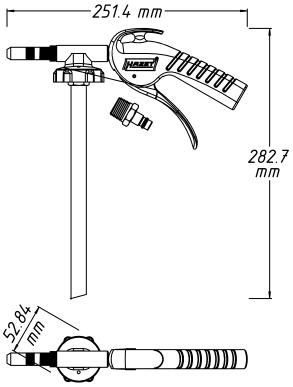
HAZET No.	l/min.	g	EAN-No. 4000896+
9042 N-1	230	2000	176472

9042 Car body gun for underbody protection and cavity sealing

- **Easy replacement of nozzle and hose**
- **Including metal suction pipe**
- **Fluid throughflow can be easily regulated by removal**

- Application: Maintenance and cleaning of passenger cars and other vehicles Suitable for aqueous and oily liquids
- Including nozzle and cavity tube
- Air requirement with nozzle 380 l/min at 8 bar
- Air requirement with nozzle 255 l/min at 6 bar
- Air requirement with cavity tube: 180 l/min at 8 bar
- Air requirement with cavity tube: 165 l/min at 6 bar
- Thread: BSP/NPT
- Incl. cavity tube: 920 mm usable length
- Handle, trigger and valve made of acetal plastic
- Seals and O-rings made of nitrile
- Nozzles made of steel / plastic
- Spring made of hardened spring steel
- Net weight with nozzle 350 gram
- Net weight with cavity tube 338 gram
- Cartridge coupler thread: M 41 x 3
- Air connection inlet: inside thread 12.91 mm (¼")
- Coupler plug: Nominal size 7.2 (included)
- Working pressure (bar): 6
- Max. working pressure [bar]: 16 bar
- Temperature range: -10°C – 80°C





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9042 Car body gun for underbody protection and cavity sealing

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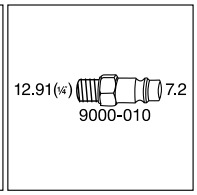

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HAZET No.	l mm	EAN-No. 4000896+
9042 P-4	251	209613

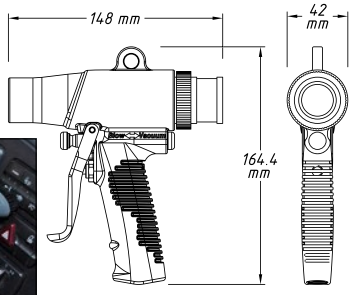
9043 Air blow and suction gun · switchable

- **One-hand reversing switch**

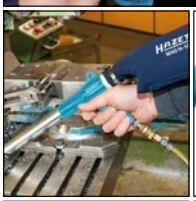
- Application: Sucking up dirt into the collection bag as well as for blowing surfaces clean
- Metal housing
- Deflector special bag insert protects the bag against damage, e. g. due to swarfs, by preventing direct impact of the accelerated swarfs
- Vacuum level: 7.5 mmHg
- Air connection inlet: inside thread 12.91 mm (¼")
- Coupler plug: Nominal size 7.2 (included)
- Hose diameter (recommended): 10 mm
- Working pressure (bar): 6.3
- Sound power level: 97 db(A) Lp W
- Vibration acceleration: 0.40 m/s²
- Max. working pressure [bar]: 10.34 bar

YouTube Clip







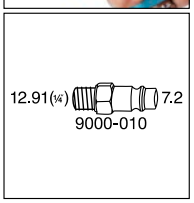












HAZET No.	l/min.	db(A) LpA	g	EAN-No. 4000896+
9043 N-10	96	92	403	198382

Components and spare parts from page 482 to 490



9045 Soda spray gun

- **Does not damage rubber, glass or plastic parts**
- **No heating / deformation of sheets during blasting**

- Application: Mineral spray gun for gentle, damage-free and environment-friendly cleaning and removal of paint with NaHCO3 (sodium bicarbonate)
- Application fields:
  – Removing graffiti
  – Facade and monument cleaning
  – Removing paint from wooden objects
  – Removing paint on glass surfaces and window frames without causing damage to glass and seals
  – Removing boot coatings, without attacking hull
- 1 preset metal precision nozzle for optimum performance
- 3 high performance wide-jet nozzles
- Refillable container with 1.2 l volume
- Including 1 kg soda blast-cleaning agent
- Working pressure: 6-12 bar
- Handle, trigger and valve made of acetal plastic
- Seals and O-rings made of nitrile
- Spring made of hardened spring steel
- Container made of PEHD
- Air connection inlet: inside thread 12.91 mm (¼")
- Coupler plug: Nominal size 7.2 (included)
- Working pressure (bar): 6



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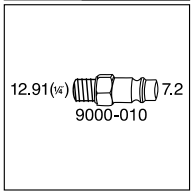
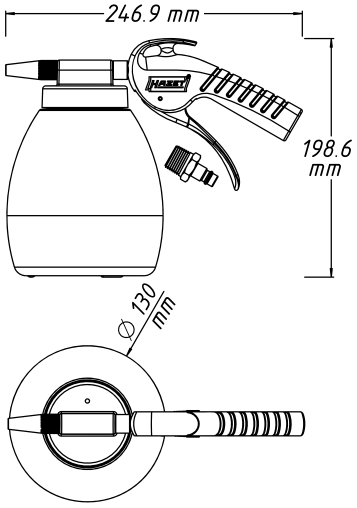
9045 P-5 S





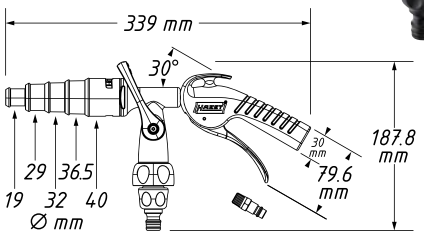
HAZET No.	l mm	l/min.	g	EAN-No. 4000896+
9045 P-1	247	280	460	209590
• Soda blast-cleaning agent consists of sodium bicarbonate • Application – material-friendly removal of paints, contaminants, etc. – Stripping of car body parts and cleaning of components careful removal of graffiti as well as for facades and cleaning landmarks – Cleaning mouldings and extruder tools • In a practical 5 l canister with carrying handle • Optimal flow properties • Angular powder with medium grain size ~ 25 µm³				
9045 P-5 S	–	–	–	210404

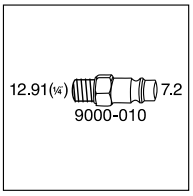
9048 P Wash-gun set

- **Cleaning without the use of aggressive chemicals or solvents**

- Application: Effective, powerful and solvent-free cleaning of e.g. cooling systems with graded system cleaning nozzle
  No splashback, effective cleaning of machines, units and vehicle parts with jet wash nozzle
- Swivel joint at the water connection, helps to avoid "hose spaghetti"
- Continuous independent regulation of water and compressed air supply
- Washing and system cleaning nozzle included
- No splashback even when cleaning with combined water/compressed air jet at short distance
- Damage-free cleaning thanks to water / air operation
- Quick, easy and gentle cleaning
- High-quality materials
- Including:
  – Water connection variants: 13 mm (1/2") nipple for water coupling (Gardena system compatible) or 20 mm (3/4") GHT thread
  – Graded system cleaning nozzles
  – Jet washing nozzle
- Working pressure (bar) air: 6-10
- Temperature range -10 / +40 °C
- Hose diameter air recommended: 10 mm
- Hose diameter water recommended: 13 mm
- Air connection inlet: inside thread 12.91 mm (¼")
- Coupler plug: Nominal size 7.2 (included)
- Hose diameter (recommended): 10 mm







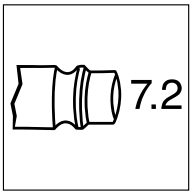
HAZET No.	l/min.	g	EAN-No. 4000896+
9048 P-2/3	200	400	234608

Pneumatic adaptors

9040 Spiral hose

- **High flexible polyurethane hose with length of 7.62 m and 6.35 mm inside ∅**

- **Inside diameter of the hose: 6.35 mm**
- Length: 7.62 m
- Connecting pieces with 360° swivel joints
- Burst pressure according to DIN: 55.1 bar / 800 PSI
- Working pressure: 10 bar
- Air connection inlet: inside thread 12.91 mm (¼"), coupler plug 7.2 mm type 1 (DE/AT/SI/HU/CN/IN/PT/RU/PL/RO/TR)
- Air connection outlet: outside thread (AG) 12.91 mm (¼"), coupler bushing 7.2 mm type 1
- Coupler plug: Nominal size 7.2 (included)



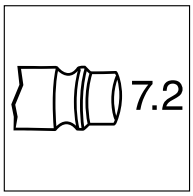


HAZET No.	l m	g	EAN-No. 4000896+
9040-7	7.62	630	153404

9040 Spiral hose

- **High flexible polyurethane hose with length of 7.62 m and 10 mm inside ∅**

- **Inside diameter of the hose: 10 mm**
- Connecting pieces with 360° swivel joints
- Burst pressure according to DIN: 60 bar
- Working pressure: 10 bar
- Air inlet thread: ⅜″
- Working length: 50% to 80% of the hose length
- 100% silicone-free EPDM VK60FA
- Maximum flexibility
- Highly abrasion-resistant
- Dimensional stable
- Length: 7.62 m
- Air connection inlet: outside thread (AG) 16.41 mm (⅜″)
- Air connection outlet: outside thread (AG) 16.41 mm (⅜″)
- Temperature range: -20°C – 60°C





HAZET No.	l m	EAN-No. 4000896+
9040 S-10	7.62	212361

9040 Hose reel

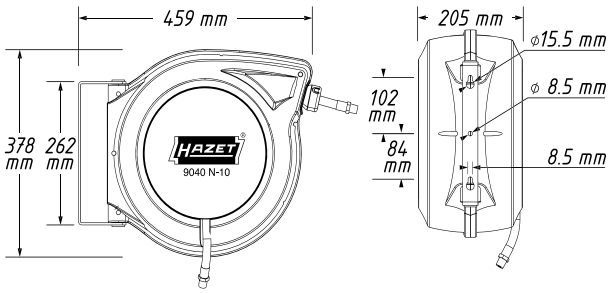
- **Hose stop at any point with “Stop at any point” function**
- **Neat winding of the hose thanks to automatic guidance**
- **Braked winding to prevent risk of accidents**

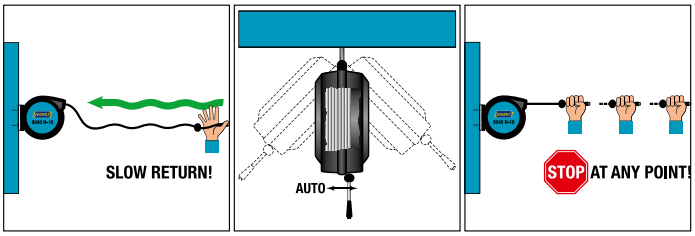
- **Inside diameter of the hose: 10 mm**
- Suitable for compressed air or water
- Dimensions: 459 x 378 x 205 mm
- Dimensions (packed): 465 x 400 x 220 mm
- Hybrid polymer hose, black
- Hose length: 15 m
- Length of connection hose: 0.9 m
- Integrated drill template for mounting on cardboard packaging
- Thread BSPT
- Meets all relevant requirements defined in the European Directives for Machinery 2006/42/EC
- Optionally usable with HAZET safety coupling 9000-061
- Closed special plastic case, supplied with rotating metal mounting bracket made for separate installation at the workplace
- Borehole spacing of the mounting bracket: 186 mm
- Air connection inlet: outside thread (AG) 16.41 mm (⅜″)
- Air connection outlet: outside thread (AG) 16.41 mm (⅜″)
- Max. working pressure [bar]: 20 bar
- Automatic hose reel offers tidiness in the workshop – hose not left lying around, thus reducing the risk of accidents

YouTube Clip



9040 Hose reel





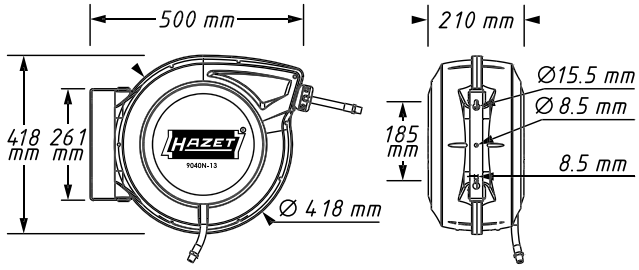
HAZET No.	l m	g	EAN-No. 4000896+
9040 N-10	15	6450	206445

- **Hose stop at any point with “Stop at any point” function**
- **Automatic guidance winds the hose neatly**
- **Braked winding to prevent risk of accidents**

- **Inside diameter of the hose: 13 mm (½″)**
- Suitable for compressed air or water
- Dimensions: 500 x 418 x 210 mm
- Hybrid polymer hose, black
- Hose length: 15 m
- Length of connection hose: 1 m
- Integrated drill template for mounting on cardboard packaging
- Meets all relevant requirements defined in the European Directives for Machinery 2006/42/EC
- Closed special plastic case, supplied with rotating metal mounting bracket made for separate installation at the workplace Borehole spacing of the mounting bracket: 186 mm
- Air connection inlet: Outside thread 20.96 mm (½″)
- Air connection outlet: Outside thread 20.96 mm (½″)
- Max. working pressure [bar]: 20 bar
- Temperature range: -40°C – 80°C

YouTube Clip





HAZET No.	l m	g	EAN-No. 4000896+
9040 N-13	15	9500	214648

Components and spare parts from page 482 to 490



9000-040 Rotary joint · with continuous air flow rate reducer

- Maximum pressure: 16 bar
- Release of the rotating function through compressed air supply, rigid in unpressurised condition
- 12.91 mm / 1/4" thread (inside thread)
- 12.91 mm / 1/4" thread (outside thread)
- Air connection inlet: inside thread 12.91 mm (¼")
- Air connection outlet: outside thread (AG) 12.91 mm (¼")
- **360° rotatable hinge on 2 axes**
- **Air flow regulation by means of setting wheel**

YouTube Clip



HAZET No.	g	EAN-No. 4000896+
9000-040	88	195350

9000-041 Rotary joint

- **Pneumatic rotary joint can be rotated 360°**
- Sealing material: NBR
- Maximum pressure: 16 bar
- Air connection inlet: inside thread 12.91 mm (¼")
- Air connection outlet: outside thread (AG) 12.91 mm (¼")
- Surface: nickel-plated

YouTube Clip



HAZET No.	g	EAN-No. 4000896+
9000-041	72	204441

9000-010-014 Air inlet nipple set

- **Adaptation of country-specific connection standards to HAZET pneumatic tools**

- 12.91 mm / 1/4" thread
- Steel, nickel-plated
- Design with sealant on the thread
- Air connection inlet: coupler plug 7.2 mm type 1 (DE/AT/SI/HU/CN/IN/PT/RU/PL/RO/TR)
- Air connection outlet: outside thread (AG) 12.91 mm (¼")
- Surface: nickel-plated











YouTube Clip

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9000-010-014 Air inlet nipple set

◄

HAZET No.	g		EAN-No. 4000896+
• Used in Germany (standard), Austria, Slovenia, Hungary, China, India, Portugal, Russia, Poland, Romania, Turkey			
9000-010/3	17	3	195015
• Used in Belgium, France, Netherlands, Switzerland • Orion type			
9000-011/3	16	3	195022
• Used in Arab countries, Italy, Spain			
9000-012/3	20	3	195237
• Used in Israel / USA			
9000-013/3	20	3	198139
• Used in Japan, China, Korea			
9000-014/3	20	3	198160

9000-020-022 Hose connection nipple set

- **Adaptation of country-specific connections to compressed air hoses**

- Hose clip: 10 mm ∅
- Steel, nickel-plated
- Air connection inlet: coupler plug 7.2 mm type 1 (DE/AT/SI/HU/CN/IN/PT/RU/PL/RO/TR)
- Air connection outlet: hose nipple ∅ 10 mm
- Surface: nickel-plated
- Used in Germany (standard), Austria, Slovenia, Hungary, China, India, Portugal, Russia, Poland, Romania, Turkey

YouTube Clip



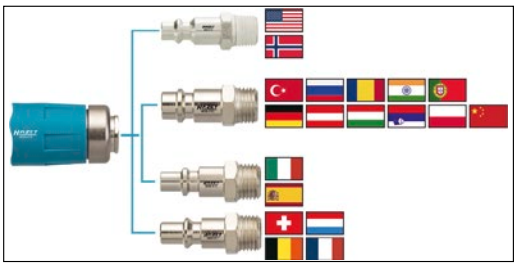
HAZET No.	g		EAN-No. 4000896+
9000-020/3	17	3	195244

9000-050-080 Safety coupling

- **Suitable for all air inlet nipples (9000-062 only for air inlet nipples 10 mm)**

- Safe disconnection of the connection (unwanted disconnection is excluded)
- No risk of injury from hose impact
- Safety coupling depressurizes the connection before decoupling
- One-hand operation
- Little effort during coupling and decoupling
- Omission of loud popping during coupling process
- Easy operation, even with gloves
- 9000-050 to 070 brass, nickel-plated
  9000-062: hardened steel, galvanized
- Air connection outlet: coupler bushing for type 1, 2, 3, 4
- Surface: nickel-plated





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9000-050-080 Safety coupling



HAZET No.	g	EAN-No. 4000896+
• Outside thread 12.91 mm / 1/4″		
9000-050	129	195275
• Outside thread 16.41 mm / 3/8″		
9000-051	129	195282
• Inside thread 12.91 mm / 1/4″		
9000-060	122	195312
• Inside thread 16.41 mm / 3/8″		
9000-061	122	195299
• For air connection nipple 10 mm • For large 12.5 mm (½ inch) cables • Air inlet thread (inside thread) 20.95 mm (½″)		
9000-062	–	218936
• Hose nipple: ∅ 10 mm		
9000-070	129	195305
• **Gasket set** for safety couplings 9000-050 · 9000-051 · 9000-060 · 9000-061 · 9000-070 • Easy installation		
9000-01/5	–	234691

Pneumatic accessories

2162 Mini grease gun

- Filling capacity: 80 g
- Creates pressure up to 1,000 PSI / 69 bar
- Filling with loose grease
- Including lubricating nipple in 50° and 90° versions





HAZET No.	l mm	EAN-No. 4000896+
2162 M	145	185634
• Rapid and clean filling of the HAZET 2162 M mini grease gun • Improved mechanical stability prevents loss of lubrication performance in vibrating environment • Good water washout resistance • High oxidative stability • High corrosion protection and excellent adhesion on metallic surfaces • Grease cushion 60 ml		
9300 N-60	–	203406

9012 ELSPCS Silicone protective cover

- **Protects the impact wrench housing against damage during tough day-to-day workshop operations**

- Semi-transparent protective cover
- Tool-free assembly



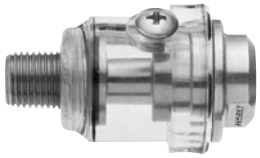


HAZET No.	EAN-No. 4000896+
Silicone protective cover for 9012 EL-SPC	
9012 EL-SPC-S	222520
Silicone protective cover for 9012 M-1	
9012 M-1-S	222735
Silicone protective cover for 9011 M and 9012 M	
9012 M-S	202232
Silicone protective cover for 9012 SPC · 9012-1 SPC · 9012 P-1	
9012 SPC-S	222476

9070 Mini oiler

- **Automatic oiling for extending the service life of your pneumatic tools**

- Application: Suitable for use with nearly all engine-driven pneumatic tools
- Refillable, filling capacity 28 ml
- Compact design – to be fixed directly to the tool
- Particularly lightweight design
- Threaded insert (1/4“ PT/NPT/G) in the filling nozzle
- Max. air flow: 2612 l/min
- Air connection inlet: coupler bushing 7.2 mm type 1
- Air connection outlet: inside thread 12.91 mm (¼″)
- Max. working pressure [bar]: 10 bar



HAZET No.	EAN-No. 4000896+
9070 N-1	206407

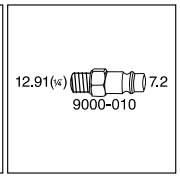
9000 Compressed air reducer

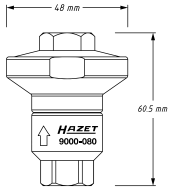
- **Inline pressure regulator for integration in the compressed air line or direct connection to motorised pneumatic equipment**

- Max. inlet pressure: 10 bar
- Outlet pressure 6.3 bar
- Max. air flow: 1,300 l/min
- Weight including air connection nipple: 140 g
- Including:
  – Adapter from outside thread 12.91 mm (¼″) to outside thread 12.91 mm (¼″) for connecting to the device
  – Air connection nipple 7.2 Type 1 for connection to compressed air coupling
- For safe operation on compressed air lines to 10 bar
- Air connection inlet: inside thread 12.91 mm (¼″)
- Air connection outlet: inside thread 12.91 mm (¼″)









HAZET No.	g	EAN-No. 4000896+
9000-080	100	214709

Components and spare parts
from page 482 to 490

9070 Maintenance unit

- **Dual, consisting of filter-pressure reducer, oil-mist lubricator and manometer**

Ⓔ

- Connection manometer: 3.2 mm (1/8″)
- Max. pressure: 16 bar (1/2″ and 3/8″) 12 bar (1/4″), Maximum working pressure: 12 bar (1/2″ and 3/8″) 10 bar (1/4″)
- Pressure indication: 0.5–12 bar
- Filter grade: 10 µm
- Recommended lubricant: class F (Sprinter ADVP 22)





HAZET No.	g	EAN-No. 4000896+
• Air inlet thread 20.67 mm (½″) • Air flow at 6.3 bar: 5000 Nl/min • Capacity of filter-pressure reducer: 50 ml Capacity of oil-mist lubricator: 170 ml		
9070-2	1380	153343
• Air inlet thread 12.91 mm (¼″) • Air flow at 6.3 bar: 1800 Nl/min • Capacity of filter-pressure reducer: 30 ml Capacity of oil-mist lubricator: 40 ml		
9070-4	580	153367

9070 Filter-pressure reducer

- **Consisting of filter-pressure reducer and manometer**

Ⓔ

- Connection manometer: 3.2 mm (1/8″)
- Max. pressure: 16 bar (1/2″ and 3/8″) 12 bar (1/4″), Maximum working pressure: 12 bar (1/2″ and 3/8″) 10 bar (1/4″)
- Pressure indication: 0.5–12 bar
- Filter grade: 10 µm
- Capacity filter-pressure reducer: 50 ml



HAZET No.	g	EAN-No. 4000896+
• Air inlet thread 20.67 mm (½″) • Air flow at 6.3 bar: 5000 Nl/min		
9070-5	890	153374
• Air inlet thread 12.91 mm (¼″) • Air flow at 6.3 bar: 1800 Nl/min		
9070-7	380	153398

9400 Special pneumatic tool oil

Made in Germany

- **Reduces wear of the air motor**

- **Silicon-free** special oil
- Guarantees high performance in daily use
- Extending machine service lives

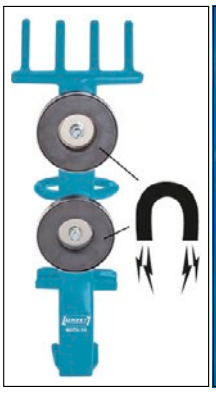




HAZET No.	g	EAN-No. 4000896+
• Filling capacity: 100 ml • Spout for direct use • With locking cap • Use in engine-driven pneumatic tools such as impact wrenches, grinders etc.		
9400-100	11	191390
• Filling capacity: 1000 ml • Transparent filling level indicator • Use in engine-driven pneumatic tools such as impact wrenches, grinders etc.		
9400-1000	838	191406

9070 Magnetic holder

- Two strong magnets to hold one impact wrench and four sockets
- Loading capacity: 10 kg







HAZET No.	g	EAN-No. 4000896+
9070-10	1510	158157

HAZET SERVICE for torque wrenches and pneumatic tools

SP1 – 4 HAZET SERVICE for torque wrenches and pneumatic tools

Made in Germany



All HAZET torque tools and pneumatic tools are serviceable! Along with repairs, we offer factory tests through to calibration in our own DAkkS calibration laboratory for torque wrenches in the HAZET Service Center. Your local HAZET partner will be happy to advise you on all the services provided by the HAZET Service Center as well as local on-site services.

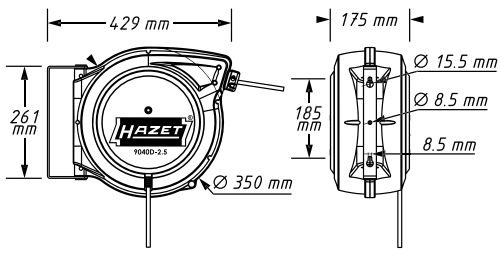
9040 D Cable reel

- **Hose stop at any point with "Stop at any point" function**
- **Automatic guidance winds the hose neatly**
- **Braked winding to prevent risk of accidents**

- Including in-line circuit breaker
- 230 V AC
- Only suitable for indoor use
- Cable: H07RN-F 3 x 2.5 mm²
- Cable length: 20 m
- Connecting cable length: 1.5 m
- Integrated drill template for mounting on cardboard packaging
- Closed special plastic case
- Rotating metal mounting bracket made for separate installation at the workplace
- Borehole spacing of the mounting bracket: 186 mm
- Resilient when wound up with 1600 watts
- Resilient when unwound with 3200 watts
- Meets all relevant requirements defined in the European Directives for Machinery 2006/42/EC
- Type of protection (IP): IP20
- Temperature range: -20°C – 45°C



YouTube Clip



HAZET No.	g	EAN-No. 4000896+
9040 D-2.5	9200	214631

Components and spare parts from page 482 to 490

HAZET cordless tool system 18 V

Using battery power for perfect work results!

Cordless tools should be part of any professional workshop's basic equipment. HAZET offers a high-performance cordless tool system in various sets for the two 2 Ah and 5 Ah rechargeable batteries. As well as cordless impact wrenches, this includes a drilling machine and a right-angle grinder. All these tools are available as a **set of 3 pieces** with charger and **a rechargeable battery,** as a **set of 4 pieces** with charger and **two rechargeable batteries** or even just as a **basic unit without accessories** for those who already have the matching HAZET rechargeable batteries.

The respective product details are on the following pages.



9230-2

Cordless drilling machine set

- **Contents** (3-piece set):
  1 cordless drill
  1 quick charger
  1 Li-ion rechargeable battery 18 V, 2.0 Ah
  Delivery in plastic case
- **Optional:**
  1 more 2.0 Ah or 5.0 Ah rechargeable battery





9233-7

Right-angle grinder set

- **Contents** (3-piece set):
  1 cordless right-angle grinder
  1 quick charger
  1 Li-ion rechargeable battery 18 V, 5.0 Ah
  Delivery in plastic case
- **Optional:**
  1 more 2.0 Ah or 5.0 Ah rechargeable battery
  Cut-off and rough grinding wheel sets



9234-1

Cordless reciprocating saw set

- **Contents** (3-piece set):
  1 cordless reciprocating saw
  1 quick charger
  1 Li-ion rechargeable battery 18 V, 5.0 Ah
  delivery in HAZET L-Boxx 136 with soft foam insert
- **Optional:**
  1 more 2.0 Ah or 5.0 Ah rechargeable battery
  Cut-off and rough grinding wheel sets



Components and spare parts
from page 482 to 490

Cordless impact wrench sets

- **Contents** (3-piece set):
  1 cordless impact wrench
  1 quick charger
  1 Li-Ion rechargeable battery 18 V, 5.0 Ah or 2.0 Ah
- **Optional:**
  1 more 2.0 Ah or 5.0 Ah rechargeable battery



12.5 1/2″
9212 SPC-1



12.5 1/2″
9212 M-1



12.5 1/2″
9212-3

Every battery fits every device!

Full HAZET power, full compatibility!

No matter whether 2 or 5 Ah!





12.5 1/2″
9212-1000



20 3/4″
9213-1000

Components and spare parts
from page 482 to 490



Cordless impact wrenches

9212 SPC Cordless impact wrench · 18 V

- **Illumination of the work area before the output begins to move**

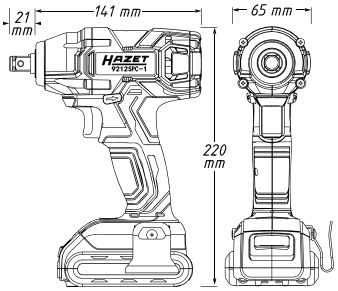
12.5 1/2"

- Extremely handy tool
- Light weight design
- Amperage without load: 5 A
- Li-Ion battery with very low self-discharge (only 2%) compared to a standard NiMH battery (15–25%)
- Replacement battery: 9212-02
- Net weight: 1,060 kg (without battery pack)
- Battery net weight: 0.390 kg
- Battery charger net weight: 0.66 kg
- Including belt clip, attachable on both sides, and hand strap
- Total length: 167 mm
- Height: 187 mm
- Width: 65 mm
- Recommended torque: 200 Nm
- Sound power level: 111 db(A) Lp W
- Vibration acceleration: 14.91 m/s²
- Loosening torque (max) determined with screw size M: 16

YouTube Clip







HAZET No.	max. Nm	max. Nm	rpm	db (A) LpA	g		EAN-No. 4000896+
• **3-piece set,** contents: cordless impact wrench, battery charger, Li-ion battery 9212-02 **(1x)**							
9212 SPC-1	260	200	0–2700	100	1450	3	212439
• **4-piece set,** contents: cordless impact wrench, battery charger, Li-ion battery 9212-02 **(2x)**							
9212 SPC-1/4	260	200	0–2700	100	–	4	214259
• **Basic unit Cordless impact wrench set**, without battery							
9212 SPC-010	260	200	0–2700	100	1060	–	214273
• **Battery pack** • **Li-ion, 18 V, 2 Ah** • For 9212-3 · 9212 M-1 · 9212 M-1/4 · 9212 SPC-1 · 9212 SPC-1/4 9230-2 · 9230-2/4 · 9233-7 · 9233-7/4							
9212-02	–	–	–	–	390	–	213788
• **Battery pack** • **Li-ion, 18 V, 5 Ah** • For 9212-3 · 9212 M-1 · 9212 M-1/4 · 9212 SPC-1 · 9212 SPC-1/4 9230-2 · 9230-2/4 · 9233-7 · 9233-7/4							
9212-05	–	–	–	–	700	–	210367
• **Battery charger** • For 9212-3 · 9212 M-1 · 9212 M-1/4 · 9212 SPC-1 · 9212 SPC-1/4 9230-2 · 9230-2/4 · 9233-7 · 9233-7/4							
9212-03	–	–	–	–	660	–	204823

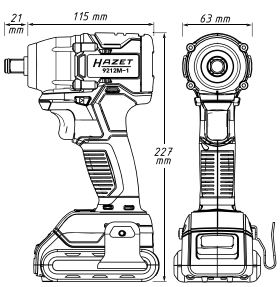
9212 M Mini cordless impact wrench · 18 V

- **High efficiency thanks to brushless motor**
- **Handy, short and lightweight tool**

12.5 1/2"

- There are three power stages to choose from for torque acceleration
  Stage 1: approx. 80 Nm at 700 rpm
  Stage 2: approx. 150 Nm at 1600 rpm
  Stage 3: approx. 220 Nm at 2500 rpm
- Amperage without load: 4.5 A
- Charging time ~ 35 minutes
- **Brushless DC motor (BLDC)**:
  – Longer service life, less wear, no need to change the carbon brushes
  – High efficiency and hence less battery consumption
  – More compact motor enables smaller dimensions
- Illumination of the work area before the output begins to move
- Li-Ion battery with very low self-discharge (only 2%) compared to a standard NiMH battery (15–25%)
- Net weight: 0.954 kg (without rechargeable battery)
- Battery net weight: 0.365 kg
- Battery charger net weight: 0.66 kg
- Dimensions including rechargeable battery: 228 x 63 x 135 mm
- Including belt clip, attachable on both sides, and hand strap
- Recommended torque: 220 Nm
- Sound power level: 110.6 db(A) Lp W
- Vibration acceleration: 15.40 m/s²
- Loosening torque (max) determined with screw size M: 16

YouTube Clip











HAZET No.	max. Nm	max. Nm	rpm	db (A) LpA	g		EAN-No. 4000896+
• **3-piece set,** contents: cordless impact wrench, battery charger, Li-ion battery 9212-02 **(1x)**							
9212 M-1	270	220	0–2500	99.6	1340	3	212446
• **4-piece set,** contents: cordless impact wrench, battery charger, Li-ion battery 9212-02 **(2x)**							
9212 M-1/4	270	220	0–2500	99.6	–	4	214266
• **Basic unit Mini cordless impact wrench set**, without battery							
9212 M-010	270	220	0–2500	99.6	950	–	214280
• **Battery pack** • **Li-ion, 18 V, 2 Ah** • For 9212-3 · 9212 M-1 · 9212 M-1/4 · 9212 SPC-1 · 9212 SPC-1/4 9230-2 · 9230-2/4 · 9233-7 · 9233-7/4							
9212-02	–	–	–	–	390	–	213788
• **Battery pack** • **Li-ion, 18 V, 5 Ah** • For 9212-3 · 9212 M-1 · 9212 M-1/4 · 9212 SPC-1 · 9212 SPC-1/4 9230-2 · 9230-2/4 · 9233-7 · 9233-7/4							
9212-05	–	–	–	–	700	–	210367
• **Battery charger** • For 9212-3 · 9212 M-1 · 9212 M-1/4 · 9212 SPC-1 · 9212 SPC-1/4 9230-2 · 9230-2/4 · 9233-7 · 9233-7/4							
9212-03	–	–	–	–	660	–	204823

9212 Cordless impact wrench set

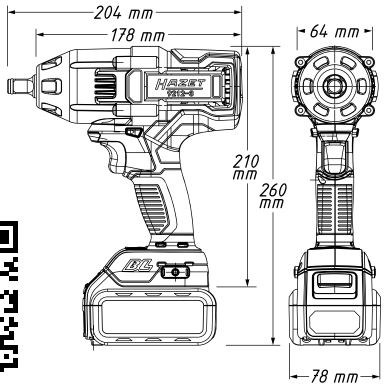
- **High efficiency thanks to brushless motor**

12.5 1/2"

- **18 V, 5 Ah**
- There are three power stages to choose from for torque acceleration
  Stage 1: approx. 80 Nm at 600 rpm and ~1700 beats per minute
  Stage 2: approx. 300 Nm at 1400 rpm and ~2500 beats per minute
  Stage 3: approx. 500 Nm at 2000 rpm and ~3400 beats per minute
- Illumination of the work area before the output begins to move
- Li-Ion rechargeable battery with very low self-discharge (only 2%) compared to a standard NiMH rechargeable battery (15–25%)
- Amperage without load: 5.5 A
- Replacement battery: 9212-05
- Net weight: 1.857 kg (without rechargeable battery)
- Battery net weight: 0.659 kg
- Battery charger net weight: 0.66 kg
- Case net weight: 4.352 kg
- Dimensions including rechargeable battery: 204 x 64 x 259 mm
- Including belt clip, attachable on both sides
- **Brushless DC motor (BLDC)**
  – Longer service life, less wear, no need to change the carbon brushes
  – High efficiency and hence less battery consumption
  – More compact motor enables smaller dimensions
- Recommended torque: 500 Nm
- Sound power level: 110.4 db(A) Lp W
- Vibration acceleration: 20.30 m/s²
- Loosening torque (max) determined with screw size M: 16
- Forward and reverse: multi-stage (right/left)
- Plastic box







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360°







HAZET No.	max. Nm	max. Nm	rpm	db (A) LpA	g		EAN-No. 4000896+
• **3-piece set,** contents: cordless impact wrench, battery charger, Li-ion battery **(1x)**							
9212-3	700	500	0–2000	99.4	1857	3	203444
• **Basic unit Cordless impact wrench set**, without battery							
9212-010	700	500	0–2000	99.4	–	–	221790
• **Battery charger** • For 9212-3 · 9212 M-1 · 9212 M-1/4 · 9212 SPC-1 · 9212 SPC-1/4 9230-2 · 9230-2/4 · 9233-7 · 9233-7/4							
9212-03	–	–	–	–	660	–	204823
• **Battery pack** • **Li-ion, 18 V, 5 Ah** • For 9212-3 · 9212 M-1 · 9212 M-1/4 · 9212 SPC-1 · 9212 SPC-1/4 9230-2 · 9230-2/4 · 9233-7 · 9233-7/4							
9212-05	–	–	–	–	700	–	210367

9212-1000 Cordless impact wrench

- **High efficiency thanks to brushless motor**

12.5 1/2"

- **18 V, 5 Ah**
- Suitable for continuous operation
- Robust machine housing
- There are three power stages to choose from for torque acceleration
  Stage 1: approx. 180 Nm at 0-400 rpm
  Stage 2: approx. 400 Nm at 0-800 rpm
  Stage 3: approx. 1000 Nm at 0-1800 rpm
- Illumination of the work area before the output begins to move
- Li-Ion rechargeable battery with very low self-discharge (only 2%) compared to a standard NiMH rechargeable battery (15–25%)
- Replacement battery: 9212-05
- Battery net weight: 0.659 kg
- Battery charger net weight: 0.66 kg
- Case net weight: 2.15 kg
- Dimensions including rechargeable battery: 278 x 230 x 89.5 mm
- Including belt clip, attachable on both sides
- **Brushless DC motor (BLDC)**
  – Longer service life, less wear, no need to change the carbon brushes
  – High efficiency and hence less battery consumption
  – More compact motor enables smaller dimensions
- Charging time with 5 Ah rechargeable battery approx. 80 min
- Sound power level: 112 db(A) Lp W
- Vibration acceleration: 17.80 m/s²
- Loosening torque (max) determined with screw size M: 24
- Forward and reverse: multi-stage (right/left)



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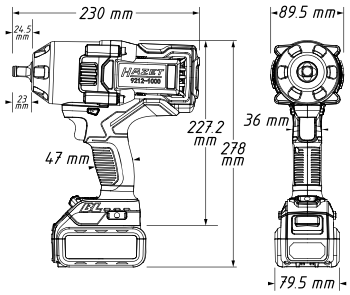

HAZET No.	max. Nm	max. Nm	rpm	db (A) LpA	g		EAN-No. 4000896+
• **3-piece set,** contents: cordless impact wrench, battery charger, Li-ion rechargeable battery **(1x)**							
9212-1000/3	1400	1000	0–1800	101	3640	3	222674
• **4-piece set,** contents: cordless impact wrench, battery charger, Li-ion rechargeable battery **(2x)**							
9212-1000/4	1400	1000	0–1800	101	3640	4	222681
• **Basic unit cordless impact wrench,** without battery							
9212-1000	1400	1000	0–1800	101	3640	–	222711
• **Battery pack** • **Li-ion, 18 V, 2 Ah** • For 9212-3 · 9212 M-1 · 9212 M-1/4 · 9212 SPC-1 · 9212 SPC-1/4 9230-2 · 9230-2/4 · 9233-7 · 9233-7/4							
9212-02	–	–	–	–	390	–	213788
• **Battery pack** • **Li-ion, 18 V, 5 Ah** • For 9212-3 · 9212 M-1 · 9212 M-1/4 · 9212 SPC-1 · 9212 SPC-1/4 9230-2 · 9230-2/4 · 9233-7 · 9233-7/4							
9212-05	–	–	–	–	700	–	210367
• **Battery charger** • For 9212-3 · 9212 M-1 · 9212 M-1/4 · 9212 SPC-1 · 9212 SPC-1/4 9230-2 · 9230-2/4 · 9233-7 · 9233-7/4							
9212-03	–	–	–	–	660	–	204823

Components and spare parts
from page 482 to 490

9213-1000 Cordless impact wrench

• **High efficiency thanks to brushless motor**

20 3/4"

18 V, 5 Ah

- Suitable for continuous operation
- Robust machine housing
- There are three power stages to choose from for torque acceleration
  Stage 1: approx. 180 Nm at 0-400 rpm
  Stage 2: approx. 400 Nm at 0-800 rpm
  Stage 3: approx. 1000 Nm at 0-1800 rpm
- Illumination of the work area before the output begins to move
- Li-Ion battery with very low self-discharge (only 2%) compared to a standard NiMH battery (15–25%)
- Replacement battery: 9212-05
- Battery net weight: 0.659 kg
- Battery charger net weight: 0.66 kg
- Case net weight: 2.15 kg
- Dimensions including rechargeable battery: 278 x 230 x 89.5 mm
- Including belt clip, attachable on both sides
- **Brushless DC motor (BLDC)**
  – Longer service life, less wear, no need to change the carbon brushes
  – High efficiency and hence less battery consumption
  – More compact motor enables smaller dimensions
- Charging time with 5 Ah rechargeable battery approx. 80 min
- Sound power level: 112 db(A) Lp W
- Vibration acceleration: 17.80 m/s²
- Loosening torque (max) determined with screw size M: 24
- Forward and reverse: multi-stage (right/left)



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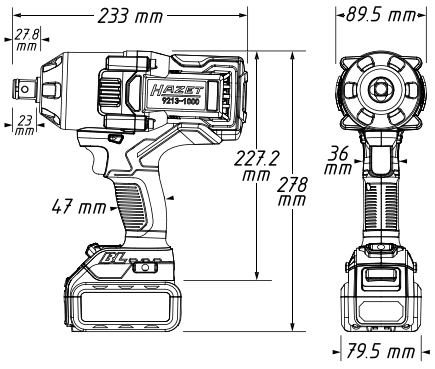






►

9213-1000 Cordless impact wrench

◄

20 3/4"

HAZET No.	max. Nm	max. Nm	rpm	db (A) LpA	g		EAN-No. 4000896+
• **3-piece set,** contents: cordless impact wrench, battery charger, Li-ion battery **(1x)**							
9213-1000/3	1400	1000	0–1800	101	3700	3	222704
• **4-piece set,** contents: cordless impact wrench, battery charger, Li-ion battery **(2x)**							
9213-1000/4	1400	1000	0–1800	101	3700	4	222797
• **Basic unit cordless impact wrench,** without battery							
9213-1000	1400	1000	0–1800	101	3700	–	222698
• **Battery pack** • **Li-ion, 18 V, 2 Ah** • For 9212-3 · 9212 M-1 · 9212 M-1/4 · 9212 SPC-1 · 9212 SPC-1/4 9230-2 · 9230-2/4 · 9233-7 · 9233-7/4							
9212-02	–	–	–	–	390	–	213788
• **Battery pack** • **Li-ion, 18 V, 5 Ah** • For 9212-3 · 9212 M-1 · 9212 M-1/4 · 9212 SPC-1 · 9212 SPC-1/4 9230-2 · 9230-2/4 · 9233-7 · 9233-7/4							
9212-05	–	–	–	–	700	–	210367
• **Battery charger** • For 9212-3 · 9212 M-1 · 9212 M-1/4 · 9212 SPC-1 · 9212 SPC-1/4 9230-2 · 9230-2/4 · 9233-7 · 9233-7/4							
9212-03	–	–	–	–	660	–	204823

Cordless drilling machine / right-angle grinder / reciprocating saw

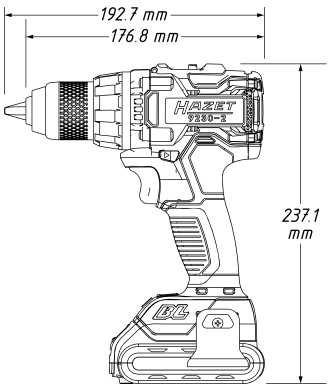
9230 Cordless drilling machine

• **High efficiency thanks to brushless motor**

YouTube Clip

- **18 V, 2 Ah**
- Compatible with HAZET rechargeable batteries 9212-02 and 9212-05
- Tool-free metal quick-clamping drill chuck 1-13 mm
- Selectable torque stages 15 + 1 drilling
- Revolutions per minute Step 1: 0–560
  Revolutions per minute Step 2: 0–1900
- Vibration acceleration screwing: 0.8 m/s²
  Vibration acceleration drilling: 2.3 m/s²
- Robust machine housing
- Suitable for continuous operation
- Including belt clip, attachable on both sides
- Weight with battery: 1.68 kg
  Weight without rechargeable battery: 1.27 kg
- **Brushless DC motor (BLDC):**
  – Longer lifetime, less wear, no change of the carbon brushes required
  – Greater efficiency and thus less battery consumption – More compact motor allows for smaller installation dimensions
- Plastic roll







►

9230 Cordless drilling machine

◄

HAZET No.	max. Nm	db (A) LpA	g		EAN-No. 4000896+
• **3-piece set** 1 cordless drilling machine 1 quick charger (40 minutes) 1 Li-ion rechargeable batteries 18 V, 2 Ah • Delivered in a robust bag					
9230-2	60	68	–	3	218370
• **4-piece set** 1 cordless drilling machine 1 quick charger (40 minutes) 2 Li-ion rechargeable batteries 18 V, 2 Ah • Delivered in a robust bag					
9230-2/4	60	68	–	4	218967
• **Basic unit cordless drilling machine**, without rechargeable battery, without charger					
9230-010	60	68	–	–	218974
• **Battery pack** • **Li-ion, 18 V, 2 Ah** • For 9212-3 · 9212 M-1 · 9212 M-1/4 · 9212 SPC-1 · 9212 SPC-1/4 9230-2 · 9230-2/4 · 9233-7 · 9233-7/4					
9212-02	–	–	390	–	213788
• **Battery pack** • **Li-ion, 18 V, 5 Ah** • For 9212-3 · 9212 M-1 · 9212 M-1/4 · 9212 SPC-1 · 9212 SPC-1/4 9230-2 · 9230-2/4 · 9233-7 · 9233-7/4					
9212-05	–	–	700	–	210367
• **Battery charger** • For 9212-3 · 9212 M-1 · 9212 M-1/4 · 9212 SPC-1 · 9212 SPC-1/4 9230-2 · 9230-2/4 · 9233-7 · 9233-7/4					
9212-03	–	–	660	–	204823

9233 Cordless right-angle grinder

- **High efficiency thanks to brushless motor**

- Compatible with HAZET rechargeable batteries 9212-02 and 9212-05
- Ergonomic and compact housing design
- Device stops if the speed drops sharply due to canting
- Function against unintentional motor start when changing the battery
- Mesh fabric protects motor from dirt
- Motor stop 2 seconds after switch-off
- Extremely flat head with low angle
- Constant speed even during difficult work
- Soft startup for greater comfort
- Safety release lever
- Lateral handle, to be used on left or right side
- Including 1 protection cover each
  – for cut-off wheels
  – for rough grinding wheels
- Quick adjustment of protection cover without tools
- Spindle thread: M 14
- Spindle lock
- Weight with battery: 2.28 kg
- Weight without battery: 1.53 kg
- Vibration acceleration: 7.90 m/s²

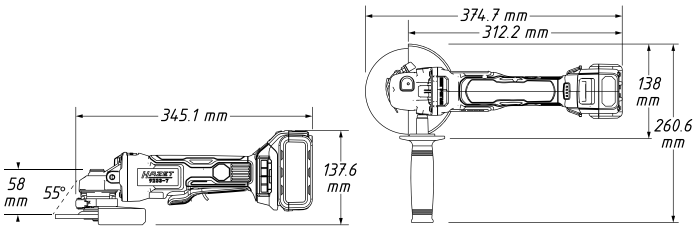
YouTube Clip



►

9233 Cordless right-angle grinder

◄




9233-010/5


9233-010/25


9233-011/10

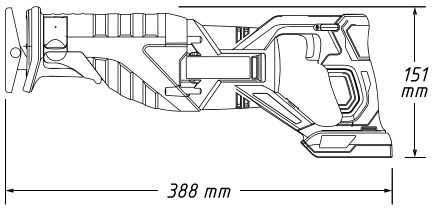
HAZET No.	l mm	rpm	db (A) LpA	g		EAN-No. 4000896+
• **3-piece set** 1 cordless right-angle grinder 1 quick charger 1 Li-ion rechargeable battery 18 V, 5 Ah						
9233-7	345.1	8000	89	–	–	218325
• **4-piece set** 1 cordless right-angle grinder 1 quick charger 2 Li-ion rechargeable batteries 18 V, 5 Ah						
9233-7/4	345.1	8000	89	–	4	218950
5 cut-off wheels 125 x 1 x 22.23 mm (5 x 0.40 x 7/8") • For cordless right-angle grinders 9233-7 · 9233-7/4 • 41 AS 60 PBF-RCF80 • Also suitable for stainless steel • Standards: DIN EN 12413 and oSa • Maximum rotation speed 12200 rpm • Maximum cutting speed 80 m/s						
9233-010/5	–	–	–	–	5	219063
25 cut-off wheels 125 x 1 x 22.23 mm (5 x 0.40 x 7/8") • For cordless right-angle grinders 9233-7 · 9233-7/4 • 41 AS 60 PBF-RCF80 • Also suitable for stainless steel • Standards: DIN EN 12413 and oSa • Maximum rotation speed 12200 rpm • Maximum cutting speed 80 m/s						
9233-010/25	–	–	–	–	25	219070
10 rough grinding wheels 125 x 6 x 22.23 mm (5 x 1/4 x 7/8") • For cordless right-angle grinders 9233-7 · 9233-7/4 • 27 AS 24 O7 BF • Also suitable for stainless steel • Standards: DIN EN 12413 and oSa • Maximum rotation speed 12200 rpm • Maximum cutting speed 80 m/s						
9233-011/10	–	–	–	–	10	219087
• **Basic unit cordless right-angle grinder**, without rechargeable battery						
9233-010	345.1	8000	89	–	–	218943
• **Battery pack** • **Li-ion, 18 V, 2 Ah** • For 9212-3 · 9212 M-1 · 9212 M-1/4 · 9212 SPC-1 · 9212 SPC-1/4 9230-2 · 9230-2/4 · 9233-7 · 9233-7/4						
9212-02	–	–	–	390	–	213788
• **Battery pack** • **Li-ion, 18 V, 5 Ah** • For 9212-3 · 9212 M-1 · 9212 M-1/4 · 9212 SPC-1 · 9212 SPC-1/4 9230-2 · 9230-2/4 · 9233-7 · 9233-7/4						
9212-05	–	–	–	700	–	210367
• **Battery charger** • For 9212-3 · 9212 M-1 · 9212 M-1/4 · 9212 SPC-1 · 9212 SPC-1/4 9230-2 · 9230-2/4 · 9233-7 · 9233-7/4						
9212-03	–	–	–	660	–	204823

9234 Cordless reciprocating saw

- High efficiency thanks to brushless motor
- Compatible with HAZET rechargeable batteries 9212-02 and 9212-05
- Strokes/min.: 9500
- Tool-free saw blade quick-change system
- Tool-free quick bracket adjustment
- Composite housing
- Brushless DC motor (BLDC):
  – Longer lifetime, less wear, no change of the carbon brushes required
  – Greater efficiency and thus less battery consumption – More compact motor allows for smaller installation dimensions
- Integrated battery status indication (4 LEDs)
- Soft handle for optimum feel
- Can be used for double-walled sheet steel
- Sound power level: 97.13 db(A) Lp W
- Vibration acceleration: 32.18 m/s²
- Saw stroke: 28.5 mm

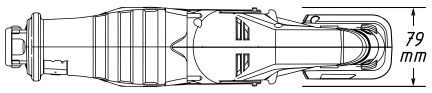








9234 W-225/5





9234 P-225/5



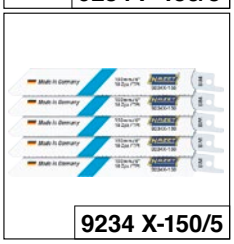
9234 P-150/5



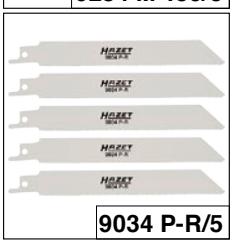
9234 M-150/5



9234-010



9234 X-150/5



9034 P-R/5

HAZET No.	l mm	rpm	db(A) LpA	g		EAN-No. 4000896+
• **3-piece cordless reciprocating saw set**, in HAZET L-Boxx 136 and soft foam insert 1 cordless reciprocating saw 1 quick charger 1 Li-ion rechargeable battery 18 V, 5 Ah						
9234-1	–	3100	86.13	2260	–	234714

▶

9234 Cordless reciprocating saw

◀

HAZET No.	l mm	rpm	db(A) LpA	g		EAN-No. 4000896+
• **4-piece cordless reciprocating saw set**, in HAZET L-Boxx 136 and soft foam insert 1 cordless reciprocating saw, 1 quick charger 2 Li-ion rechargeable batteries 18 V, 5 Ah						
9234-1/4	–	3100	86.13	2260	–	234721
• **Basic unit cordless reciprocating saw**, (without rechargeable battery, without charger)						
9234-010	–	3100	86.13	2260	–	234707
• **Battery pack** • **Li-ion, 18 V, 2 Ah** • For 9212-3 · 9212 M-1 · 9212 M-1/4 · 9212 SPC-1 · 9212 SPC-1/4 9230-2 · 9230-2/4 · 9233-7 · 9233-7/4						
9212-02	–	–	–	390	–	213788
• **Battery charger** • For 9212-3 · 9212 M-1 · 9212 M-1/4 · 9212 SPC-1 · 9212 SPC-1/4 9230-2 · 9230-2/4 · 9233-7 · 9233-7/4						
9212-03	–	–	–	660	–	204823
• **Battery pack** • **Li-ion, 18 V, 5 Ah** • For 9212-3 · 9212 M-1 · 9212 M-1/4 · 9212 SPC-1 · 9212 SPC-1/4 9230-2 · 9230-2/4 · 9233-7 · 9233-7/4						
9212-05	–	–	–	700	–	210367
5 flexible reciprocating saw blades for steel and nonferrous metal from 2 – 8 mm • For cordless reciprocating saw 9234 • Length of serration: 130 mm						
9234 M-150/5	150	–	–	–	5	239382
5 flexible reciprocating saw blades for wood with nails and faster sawing progress in metal 2 – 10 mm • For cordless reciprocating saw 9234 • Serration for long service life • Length of serration: 130 mm						
9234 P-150/5	150	–	–	–	5	239405
5 flexible reciprocating saw blades for steel and stainless steel (Inox) from 1.5 – 4 mm • For cordless reciprocating saw 9234 • Length of serration: 130 mm						
9234 X-150/5	225	–	–	–	5	239597
5 flexible reciprocating saw blades for wood with nails and faster sawing progress in metal 2 – 10 mm • For cordless reciprocating saw 9234 • Serration for long service life • Length of serration: 205 mm						
9234 P-225/5	225	–	–	–	5	239412
5 rigid reciprocating saw blades for all wood, plastics as well as plasterboard 6 – 100 mm • For cordless reciprocating saw 9234 • Length of serration: 205 mm						
9234 W-225/5	150	–	–	–	5	239429
Reziprok sabre saw blades suitable for sabre saw 9034 P-2 • 5 pieces per package • Bevelled, corrugated teeth • For all metals including non-iron pipes, sheets and stainless steel, material thickness 1.5 – 3 mm • Total length: 153 mm • Bi-metal						
9034 P-R/5	153	–	–	175	–	218318



Heat guns

1990 Heat gun

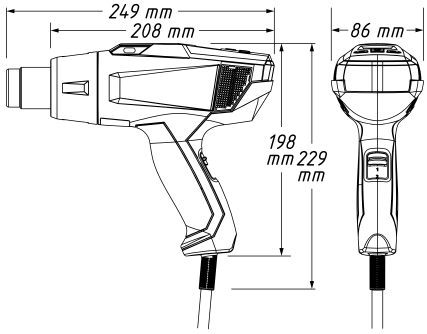
- Power: 2,300 watts
- 5 storage functions (air stage / temperature)
- Optimised flow guidance
- Digital temperature control (integrated temperature probe)
- Configurable Power Safety function (eco mode)
  − Eco 1 movement-triggered eco function
  − Eco 2 position-triggered eco function (saves up to 40 % energy and reduces the noise level up to 50 %)
- Ceramic heating element
- Temperature control concept (Close Loop)
- Soft touch handle area
- Best ergonomics, even distribution of weight
- Standby position (standby key):
  When the hash key is pressed, the device swivels to the standby function
- Long life engine class: 1 kh
- Temperature range (electronically controlled and continuously adjustable): 80–650°C
- Air flow range (l/min at 20°C: 200–550 l/min),electronically controlled and continuously adjustable
- Complete unit tested for 1,000 h
- L-Boxx 190 L-136











HAZET No.		EAN-No. 4000896+
• **6-piece set** in L-Boxx 136 · contents: basic unit 4 nozzles (spoon reflector nozzle angled at 90° · solder reflector nozzle, pipe nozzle wide slot nozzle angled at 15°) presurre roller 30 mm width		
1990 N/6	6	241378
• **Basic unit**		
1990 N-010	–	241088
• **Protective ring** for heat gun 1990 N/6 and 1990 N-010 • Can be easily inserted into the standard case insert of the L-Boxx when assembled or disassembled.		
1990 N-01	–	241118
• **Accessories set** for heat gun 1990 N • Spoon reflector nozzle angled at 90° • Solder reflector nozzle • Wide slot nozzle angled at 15° • Pipe nozzle • Pressure roller with 30 mm width		
1990 N-020/5	–	241101

1990 Heat gun

- **Basic design – excellent price-quality ratio**

- Power: **1600 watts**
- 2 air volume ranges: **350 / 500 l/min (two-stage switch)**
- High-quality ceramic heater, optimal device cooling and powerful motor ensure a long service life
- Sucked in air is not blown through the motor – preventing dirt from contaminating the motor
- Optimal, well balanced ergonomics
- Can be placed upright (readiness storage)
- Including heating element protection
- Electronics: Flicker-compliant
- Temperature range: 350°C – 500°C



YouTube Clip

HAZET No.	EAN-No. 4000896+
1990-10	218271



Components and spare parts
from page 482 to 490


HAZET
1979FC-60
HAZET
1979W-82
HAZET
1979W-11

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Innovative wireless charging

Charging by placing it on top – wireless charging

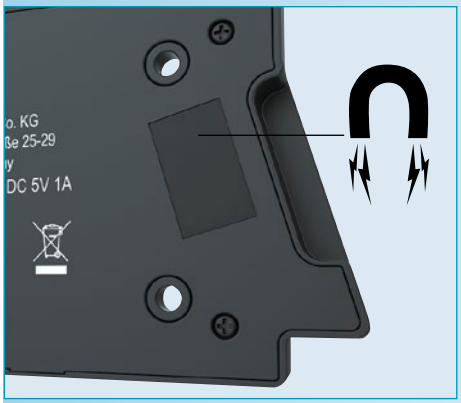
Same charging capacity as with conventional charging via cable





No mess of cables

Wireless charging improves safety by eliminating tripping hazards due to various charging cables. Your workshop looks neat and tidy when you get rid of the jumble of cables.



Magnetic holder

The magnetic holder enables flexible positioning on magnetic surfaces. The support base which is attached to the pad is not damaged by screwing or similar.



Self-positioning

The self-positioning feature allows for reliable and easy placement of the lamp. This prevents the lamp from not charging due to misplacement.



Additional charging source

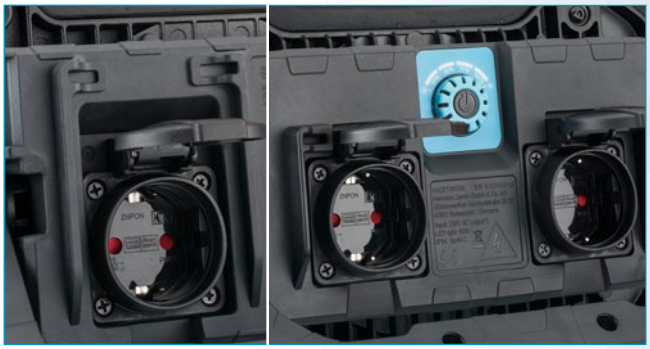
In addition to wireless charging, HAZET charging pads also allow traditional charging. There is a USB port on the bottom of the pad where cables can be plugged in.

First-rate lighting – for first-rate work:

LED work spotlight







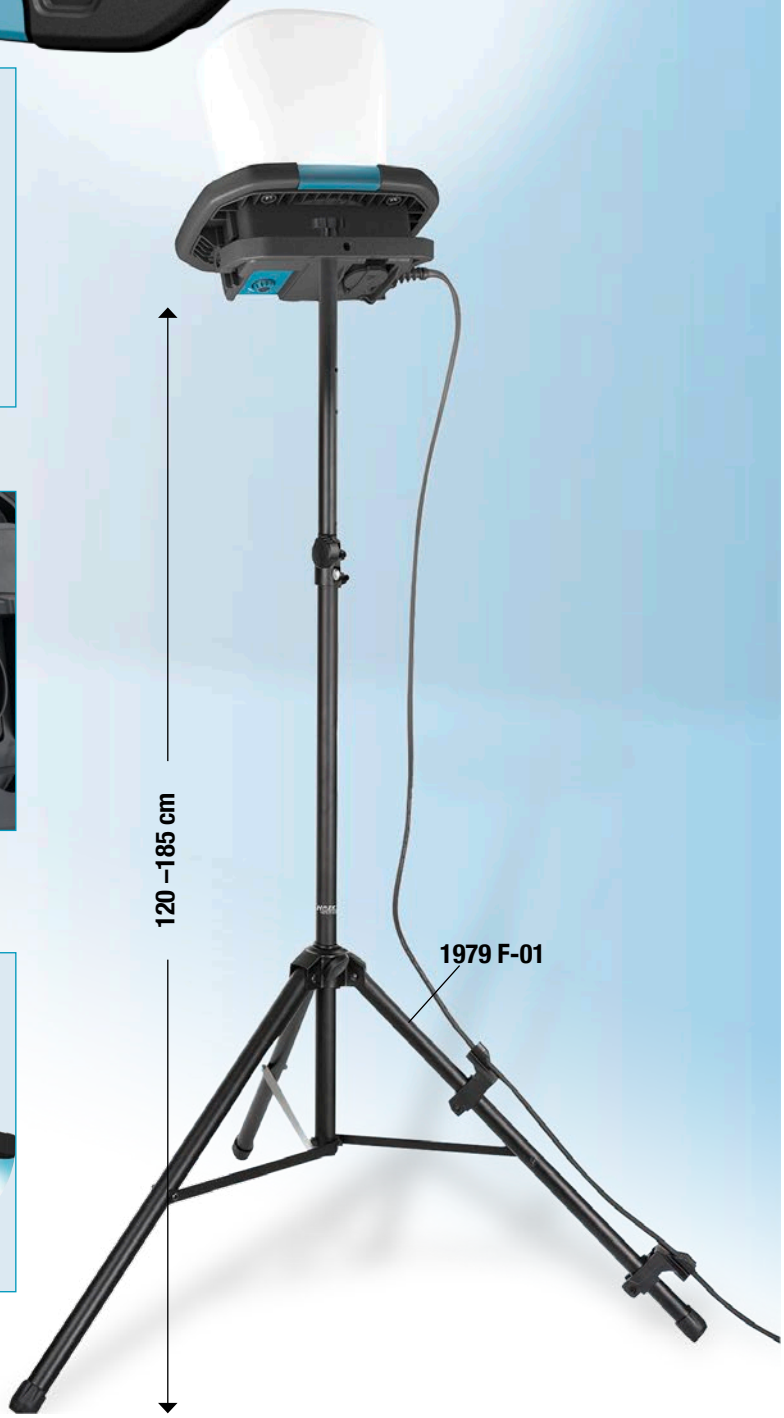
1x or 2x 230 V socket
(depending on model)



Magnetic holder



Base,
90° adjustable



Components and spare parts
from page 482 to 490

		Luminous flux 100%	Operating time 100%	Protection rating (IP)	Protection rating (IK)	Battery/ rechargeable battery designation	Power supply	LED technology
	1979 N-71	130 lm	4 h	IP54	IK07	2x 1.5 V Micro / AAA / (L)R03	Battery	SMD
	1979 N-72	200 lm	4.5 h	IP54	IK07	3x 1.5 V Micro / AAA / (L)R03	Battery	SMD
	1979-11	200 lm	2.5 h	IP65	IK09	3.7 V 1050 mAh lithium-ion rechargeable battery	USB cable (USB C)	COB/SMD
	1979 N-82	300 lm	2 h	IP65	IK09	3.7 V 1200 mAh lithium-ion rechargeable battery	USB cable (USB C)	COB/SMD
	1979 N-85	600 lm	3 h	IP65	IK09	3.7 V 2600 mAh lithium-ion rechargeable battery	USB cable (USB C)	COB/SMD
	1979 N-92	1100 lm	3 h	IP65	IK08	3.6 V 4500 mAh lithium-ion rechargeable battery	USB cable (USB C)	COB/SMD
	1979 W-11	200 lm	2.5 h	IP65	IK09	3.7 V 1050 mAh lithium-ion rechargeable battery	Wireless charging	COB/SMD
	1979 W-82	300 lm	2 h	IP65	IK09	3.7 V 1200 mAh lithium-ion rechargeable battery	Wireless charging	COB/SMD
	1979 W-11/3	200 lm	2.5 h	IP65	IK09	3.7 V 1050 mAh lithium-ion rechargeable battery	Wireless charging	COB/SMD
	1979 NW/3	200 lm 300 lm	2 h 2.5 h	IP65 IP65	IK09 IK09	3.7 V 1050 mAh 3.7 V 1200 mAh lithium-ion rechargeable battery	Wireless charging	COB/SMD
	1979 W-85	600 lm	3 h	IP65	IK09	3.7 V 2600 mAh lithium-ion rechargeable battery	Wireless charging	COB/SMD
	1979 W-92	1100 lm	3 h	IP65	IK08	3.6 V 4500 mAh lithium-ion rechargeable battery	Wireless charging	COB/SMD
	1979 W 1/3	300 lm 1100 lm	2 h 3 h	IP65 IP65	IK08 IK09	3.7 V 1200 mAh 3.6 V 4500 mAh lithium-ion rechargeable battery	Wireless charging	COB/SMD
	1979 WP-1						USB cable (USB C)	
	1979 WP-2						USB cable (USB C)	
	1979 FC-40	4000 lm		IP54	IK07		230 V safety plug	COB
	1979 FC-60	6000 lm		IP54	IK07		230 V safety plug	SMD

Components and spare parts from page 482 to 490

Diagnostics / Borescope Technology

4812 Video borescope

• 4.9 mm ∅ micro lens

- Switching function viewing direction 90° + 0°
- Instant replay of video or photos at TFT monitor
- Show and hide date and time easily
- Automatic switch-off to save energy
- Image resolution: 640 x 480 pixels
- Improved connection between probe and housing (metal) adapter for using older probes: 4812-20
- One-hand operation

2nd generation probe:

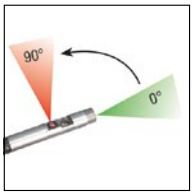
- Improved illumination with the 90° function
- Improved illumination power of LED
- Simplified application
- Improved quality of the probe coating
- Probe protection rating IP 67

Included in delivery

- 1 m probe cable with 4.9 mm ∅ micro lens and LED light sources
- Operating panel
- Hook including magnet
- SD card: 4 GB storage capacity
- 4 x AA batteries



YouTube Clip







HAZET No.		EAN-No. 4000896+
4812-10/4 S	4	181742

4812 N Video borescope

• Swivel probe

- Swivel range: 1 x 180°
- Camera head only 11 mm long (-50% compared to conventional versions), enabling swivelling even in the tightest spaces
- Bending radius only approx. 35 mm (-30% compared to conventional versions)
- Light boost and integrated reflection reduction
- Light source: 5 dimming LEDs for optimum lighting
- 4 x 90° image rotation at the press of a button (no need to turn the probe)
- Micro-lens: 4.5 mm ∅ – Front view with a resolution of 640 x 480 pixels
- Depth of field: 10 to 100 mm
- Casing made from steel mesh
- Metal connector between probe and housing
- Probe tip: IP 67
- Automatic switch-off to save energy
- Contents:
  1 m probe cable with 4.5 mm ∅ micro-lens and LED light source
  1 operating panel
  1 SD card: 4 GB storage capacity
  4 AA batteries



►

4812 N Video borescope

◄



HAZET No.		EAN-No. 4000896+
4812 N-10/3 AF	3	219131

4812 Video borescope

Video probe:

- Improved accuracy of detail
- Image resolution 1024 x 768 pixels
- Compression format: H.264
- Operating temperature: -10°C up to 60 °C
- Protection rating probe: IP67 (when connected)
- 1 m probe cable

Basic unit:

- Easy to read even in sunlight
- Touch display · diagonal 147 mm (5 inch)
- Compact design
- Easy to handle
- Swivelling magnetic base, 180° adjustable
- 127 mm (5 inch) touch display, readable in sunlight
- Display resolution 800x480 pixels
- 8-level brightness setting (5 + 3 boost)
- Zoom: 3-step
- Display of battery capacity
- Timestamp can be shown
- Record videos (MOV format) and photos (Jpeg format)
- Mirroring of the camera image
- Negative display of the camera image
- Designation of photos
- Data transfer: USB-C (USB-C for USB-A cable included in the set)
- HDMI port for video output
- Rechargeable battery: li-ion battery
- Operating time when fully charged 4 hours
- Charging time 3.5 hours
- Charger: USB charging adapter DC-5 V / 3 A
- Operating temperature: 0°C up to 45 °C
- Operating humidity of up to 90 % (non-condensing)
- IP protection rating (basic unit): IP54
- IP protection rating with probe connected: IP67
- **4.5 mm ∅ micro lens**
- High mobility due to bilateral articulation
- Full swivel up to 180° on both sides enables e.g. a real reverse view onto valves in the cylinder head
- Bending radius only approx. 38 mm (-30 % compared to conventional designs)
- Front camera
- Focus range: 10 to 100 mm
- Focus angle: 90°
- 5-way LED luminous source



HAZET No.		EAN-No. 4000896+
4812-21/5 AF	5	239283

Components and spare parts from page 482 to 490

4812 Video borescope

Video probe:
- Improved accuracy of detail
- Image resolution 1024 x 768 pixels
- Compression format: H.264
- Operating temperature: -10°C up to 60 °C
- Protection rating probe: IP67 (when connected)
- 1 m probe cable

Basic unit:
- Easy to read even in sunlight
- Touch display · diagonal 147 mm (5 inch)
- Compact design
- Easy to handle
- Swivelling magnetic base, 180° adjustable
- 127 mm (5 inch) touch display, readable in sunlight
- Display resolution 800x480 pixels
- 8-level brightness setting (5 + 3 boost)
- Zoom: 3-step
- Display of battery capacity
- Timestamp can be shown
- Record videos (MOV format) and photos (Jpeg format)
- Mirroring of the camera image
- Negative display of the camera image
- Designation of photos
- Data transfer: USB-C (USB-C for USB-A cable included in the set)
- HDMI port for video output
- Rechargeable battery: li-ion battery
- Operating time when fully charged 4 hours
- Charging time 3.5 hours
- Charger: USB charging adapter DC-5 V / 3 A
- Operating temperature: 0°C up to 45 °C
- Operating humidity of up to 90 % (non-condensing)
- IP protection rating (basic unit): IP54
- IP protection rating with probe connected: IP67
- Set of 5 pieces in aluminium case
- **5.5 mm ∅ micro lens**
- Semi-flexible probe
- Front camera: 0°
- Focus range: 10 to 60 mm
- Focus angle: 56°
- 4-way LED luminous source



HAZET No.		EAN-No. 4000896+
4812-21/5S	5	238811

4812 Probe for video borescope

- For probes with improved connection (4812 N) to be used in conjunction with the operating panels of the sets 4812-10/4 S · 4812-1/7 · 4812-1/6 · 4812-1/8
- Camera resolution: 325 (H) x 250 (v) = 76800 pixels
- Aperture angle of the camera: horizontal 46°, vertical: 34°, diagonal: 56°
- Depth of field: 10 to 60 mm
- Probe length: 1000 mm
- Weight: 220 g




4812 N-1 F


4812 N-5.5


4812-16

HAZET No.	l mm	∅ mm	EAN-No. 4000896+
• **3.9 mm** ∅ • Viewing direction of the camera: 90° – permanently installed mirror (Side-View) sharp image up to the edge of the field • Light source: 2 dimmable LED in 90° direction No reflection in the mirror • Temperature range: 0°C – 55°C			
4812 N-1 S	1000	3.9	187102

▶

4812 Probe for video borescope

◀

HAZET No.	l mm	∅ mm	EAN-No. 4000896+
• **3.9 mm** ∅ • Viewing direction of the camera: straight view (Front-View) • Luminous source: 3 dimmable LEDs • Temperature range: 0°C – 55°C			
4812 N-1 F	1000	3.9	187096
• **5.5 mm** ∅ • Viewing direction of the camera: straight view (Front-View) • Luminous source: 4 dimmable LEDs • Temperature range: 0°C – 55°C			
4812 N-5.5	1000	5.5	187065
• **4.9 mm** ∅ • Visual angle switching function 90° + 0° • Dimmable LED • Metal connector • Probe protection rating IP 67 • Temperature range: 0°C – 55°C			
4812-16	1000	4.9	181841

4812 Probe for borescope







HAZET No.	∅ mm	EAN-No. 4000896+
• **4.5 mm ∅ micro lens** • 1 m probe cable • LED light source • Probe protection rating: IP67 · Handle: IP57		
4812 N-2 AF	4.5	218868

4812 Probe for video borescope

- **Improved accuracy of detail**
- **Optimally suited to the basic unit 4812-21**

- Compatible with basic unit 4812-21
- Image resolution 1024 x 768 pixels
- Image format: Jpeg
- Video format: MOV
- Compression format: H.264
- Operating temperature: -10°C up to 60 °C
- Protection rating probe: IP67 (when connected)
- 1 m probe cable
- **4.5 mm ∅ micro lens**
- High mobility due to bilateral articulation
- Full swivel up to 180° on both sides enables e.g. a real reverse view onto valves in the cylinder head
- Bending radius only approx. 38 mm (-30 % compared to conventional designs)
- Front camera
- Focus range: 10 to 100 mm
- Focus angle: 90°
- 5-way LED luminous source



HAZET No.	l mm	∅ mm	EAN-No. 4000896+
4812-21 AF	1000	4.5	237630

Components and spare parts from page 482 to 490

4812 Probe for video borescope

- **Improved accuracy of detail**
- **Optimally suited to the basic unit 4812-21**

- Compatible with basic unit 4812-21
- Image resolution 1024 x 768 pixels
- Image format: Jpeg
- Video format: MOV
- Compression format: H.264
- Operating temperature: -10°C up to 60 °C
- Protection rating probe: IP67 (when connected)
- 1 m probe cable
- **5.5 mm ∅ micro lens**
- Semi-flexible probe
- Front camera: 0°
- Focus range: 10 to 60 mm
- Focus angle: 56°
- 4-way LED light source



HAZET No.	l mm	∅ mm	EAN-No. 4000896+
4812-21 S	1000	5.5	237623

2151 Borescope

Made in Germany

- **Diaphragm with efficient transmission rate**

- Steel tip: 180 mm



HAZET No.	l mm	EAN-No. 4000896+
2151	1080	013043
• **Ear tips** for HAZET stethoscope 2151		
2151-02/2	–	062287

1991 Non-contact infrared thermometer

- **For non-contact temperature measurements. Integrated laser pointer**

- Wide range application, e.g. automotive sector (radiator/cooling systems, brakes, air conditioning, engines, exhaust systems), chemical and food controls, HVAC/R
- Rapid detection function
- Precise non-contact measurements
- Automatic data holding
- Display of max. temperature, trigger lock
- 9 V block battery (6LR61)
- Backlight LCD display
- Dual laser sighting
- D : S = 12 : 1
- Emissivity digitally adjustable from 0.1 to 1.0
- Set high and low alarms
- In artificial leather pouch with hook-and-loop fastener and belt loop
- Temperature range: -50°C – 550°C





360°

HAZET No.	EAN-No. 4000896+
1991-1	156054

1977 Telescopic inspection mirror set

- Telescopic rod, double hinge joint with tension spring
- Replaceable mirror (clear mirror glass) with 4 mm stainless steel threaded bar
- Mirror won't tarnish as polished "metal mirrors" do
- Mirror glass encased in rugged stainless steel

4-piece set, contents:
Telescopic rod, extension length: 300 – 740 mm
Round mirror: 30 mm ∅
Round mirror: 50 mm ∅
Rectangular mirror: 65 x 43 mm



HAZET No.	l_1 mm	l_2 mm	EAN-No. 4000896+
1977-2/4	300	740	150144

1975 Pick-up tool with claws

- **Flexible**

- Surface: chrome-plated





HAZET No.	l mm	EAN-No. 4000896+
1975	540	009725

1976 Magnetic pick-up tool

Made in Germany

- Magnetic bit retention
- Flexible shank
- Plastic handle



HAZET No.	l mm	∅ mm		EAN-No. 4000896+
1976	545	15	4500	009732
1976-1	545	19	7500	009749
1976-2	475	8	1100	009763

Components and spare parts from page 482 to 490

Lights

1979 LED penlight

- **Highly efficient reflector system: light yield of up to 130 lumen – range of light up to 75 metres**

- Improved design:
  approx. 100% brighter
  approx. 40% longer operating time
- Well-balanced housing proportions
- Surface with a good grip
- Operation of the on/off switch is possible and easy with gloves
- Aluminium housing (black anodised) protects inner parts from the entrance of dust and splash water (IP54)
- 3 watt LED
- Including sales display for a purchase of at least 12 pieces
- Number of batteries: 2 x 1.5 V Micro / AAA / (L)R03
- Power supply: Battery
- LED technology: SMD
- Luminous flux 100%: 130 lm
- Operating time 100%: 4 h
- Range of light: 75 m
- Type of protection (IP): IP54
- Protection rating (IK): IK07





IK 07

AAA – 1.5 V
AAA – 1.5 V

IP 54

130
Lumen
3 W

4 h

HAZET No.	l mm	EAN-No. 4000896+
1979 N-71	139	208470

1979 LED torch light · small design

- **Continuous one-hand focusing enables precise spotlight up to homogeneous floodlight**

- Improved design:
  – Focusability
  – Approx. 33% brighter
- Professional penlight in small design always provides optimal handling through well balanced housing proportions and a surface with good grip
- Stable design protects against dust and splash water (IP54)
- Shock-resistant up to a height of fall of 1 m
- 3 watt LED
- 2 levels of brightness: 30% and 100% (regulation by On / Off switch)
- Range of light at 30%: 100 m
- Operating time at 30% (Energy Saving Mode) up to 13 h
- Luminous flux at 30% (Energy Saving Mode) 80 lumens
- Including practical carrying loop
- Including sales display for a purchase of at least 8 pieces
- Number of batteries: 3 x 1.5 V Micro / AAA / (L)R03
- Power supply: Battery
- LED technology: SMD
- Luminous flux 100%: 200 lm
- Operating time 100%: 4.5 h
- Range of light: 175 m
- Type of protection (IP): IP54
- Protection rating (IK): IK07



►

1979 LED torch light · small design

◄





IK 07

100%
200 Lumen
30%
80 Lumen

100% 4.5 h
30% 13 h

IP 54

HAZET No.	l mm	EAN-No. 4000896+
1979 N-72	135	208487

1979 LED pen light

- **USB-C charging port**

- Small compact LED lamp with high lighting power
- Progressively dimmable – optimal light adjustment
- Simple and quick diagnosis by main light (surface illumination) or top light (punctual illumination) for dialogue reception among other applications
- Should be in any tool bag
- 2-component plastic housing with rubberised surface
- Battery status and state-of-charge display
- Switching on / off as well as switching between top and main light via main button
- Including 100 cm USB-C charging cable
- Battery capacity: 1050 mAh
- Extendable clip holder
- Battery charge display
- Top light operating time: 2.5 h
- Top light luminous flux: 120 lm
- Highly integrated holding magnets on the rear of the housing
- Power supply: USB cable (USB C)
- LED technology: COB/SMD
- Luminous flux 100%: 200 lm
- Operating time 100%: 2.5 h
- Charging time: 2 h
- Type of protection (IP): IP65
- Protection rating (IK): IK09



IP 65

IK 09

COB-LED
200
Lumen

USB-C

HAZET No.	l mm	EAN-No. 4000896+
1979-11	180	235254

Components and spare parts from page 482 to 490

1979 LED pocket light

- **180° adjustable and 8-step lockable base for adjustment of work area illumination**

- 2-component plastic housing with rubberised surface
- Progressively dimmable – optimal light adjustment
- 4-stage battery status and state-of-charge display
- Switching on / off as well as switching between top and main light via main button
- Strong rubberised holding magnet on the underside
- 360° movable retaining hook
- Impact resistance (EN62262): IK09
- **Main light:** operating time: 2 – 10 h luminous flux 30 – 300 Lumen 3 Watt COB LED
- **Top light:** operating time 5 h Luminous flux: 100 Lumen
- Including 100 cm USB-C charging cable (without USB adapter)
- Possible to charge the battery via a standard USB adapter 5 V maximum 1 A
- Power supply: USB cable (USB C)
- LED technology: COB/SMD
- Luminous flux 100%: 300 lm
- Operating time 100%: 2 h
- Charging time: 1.5 h
- Type of protection (IP): IP65
- Protection rating (IK): IK09



YouTube Clip



IP 65 · USB-C · IK 09 · 100% 300 Lumen

HAZET No.	l mm	EAN-No. 4000896+
1979 N-82	133	227211

1979 LED light

- Including 100 cm USB-C charging cable (without USB adapter)
- Possible to charge the battery via a standard USB adapter 5 V maximum 1 A
- Battery status and state-of-charge display
- Main light operating time: approx. 3–20 h
- Top light operating time: 4.5 h
- Top light luminous flux: 60–600 lm
- Top light luminous flux: 300 lm
- Dimmer switch for optimal light adjustment. Switching between top and main light
- Dimmer switch on the rear side of the lamp – optimal light adjustment
- Strong rubberised holding magnet on the underside
- Fold-out and 360° rotatable hanging hook
- 180° adjustable and 5-stage lockable foot
- Power supply: USB cable (USB C)
- LED technology: COB/SMD
- Luminous flux 100%: 600 lm
- Operating time 100%: 3 h
- Charging time: 3 h
- Type of protection (IP): IP65
- Protection rating (IK): IK09



IP 65 · IK 09

HAZET No.	l mm	EAN-No. 4000896+
1979 N-85	255	241491

1979 LED slim light

- Charging / power supply via USB-C port 5 V, maximum 1 A 1000 mA
- Including 100 cm USB-C charging cable (without USB adapter)
- 2-component plastic housing with rubberised surface
- 4-stage battery status and state-of-charge display
- 120° adjustable and 5-step lockable aluminium head for adjustment of work area illumination
- Battery capacity: 4500 mAh (+30% compared to previous model)
- Main light operating time: approx. 3–14 h
- Top light operating time: 11 h
- Top light luminous flux: 110–1100 lm (+10% compared to previous model)
- Top light luminous flux: 150 lm
- Full-surface, homogenous illumination
- Dimmer switch on the rear side of the lamp – optimal light adjustment
- Switching between top and main light via main button
- Strong rubberised holding magnet on the underside
- Fold-out and 360° rotatable hanging hook
- Solid base for good stability even on non-metallic substrates
- Power supply: USB cable (USB C)
- LED technology: COB/SMD
- Luminous flux 100%: 1100 lm
- Operating time 100%: 3 h
- Charging time: 4.5 h
- Type of protection (IP): IP65
- Protection rating (IK): IK08



IP 65 · IK 09

HAZET No.	l mm	EAN-No. 4000896+
1979 N-92	367	241415

1979 LED pen light · wireless charging

- **Wireless charging**
- **Efficient and comfortable charging function due to optimised self-positioning of the lamp on the pad**

- Small compact LED lamp with high lighting power
- Progressively dimmable – optimal light adjustment
- Simple and quick diagnosis by main light (surface illumination) or top light (punctual illumination) for dialogue reception among other applications
- Should be in any tool bag
- Charging starts immediately after the light is fitted
- 2-component plastic housing with rubberised surface
- Battery status and state-of-charge display
- Switching on / off as well as switching between top and main light via main button
- Wireless charging pad 1979 WP-1 or 1979 WP-2 is needed
- Battery capacity: 1050 mAh
- Extendable clip holder
- Battery charge display
- Top light operating time: 2.5 h
- Top light luminous flux: 120 lm
- Highly integrated holding magnets on rear of the housing
- Power supply: Wireless charging
- LED technology: COB/SMD
- Luminous flux 100%: 200 lm
- Operating time 100%: 2.5 h
- Charging time: 2.5 h
- Type of protection (IP): IP65
- Protection rating (IK): IK09



IP 65 · IK 09 · COB-LED 200 Lumen

HAZET No.	l mm	EAN-No. 4000896+
1979 W-11	180	235230

Components and spare parts from page 482 to 490

1979 LED pocket light · wireless charging

- **Wireless charging**
- **Efficient and comfortable charging function due to optimised self-positioning of the lamp on the pad**

- Charging starts immediately after the light is fitted
- 2-component plastic housing with rubberised surface
- 4-stage battery status and state-of-charge display
- Switching on / off as well as switching between top and main light via main button
- Power supply: Wireless charging
- LED technology: COB/SMD
- Luminous flux 100%: 300 lm
- Operating time 100%: 2 h
- Charging time: 1.5 h
- Type of protection (IP): IP65
- Protection rating (IK): IK09
- 180° adjustable and 8-step lockable base for adjustment of work area illumination
- Progressively dimmable – optimal light adjustment
- Strong rubberised holding magnets on the underside and rear side of the housing
- 360° movable retaining hook
- **Main light:**
  operating time 2 – 10 h
  Luminous flux 30 – 300 Lumen
  3 Watt COB LED
- **Top light:**
  operating time top light: 5 h
  Luminous flux: 100 Lumen
  1 Watt LED



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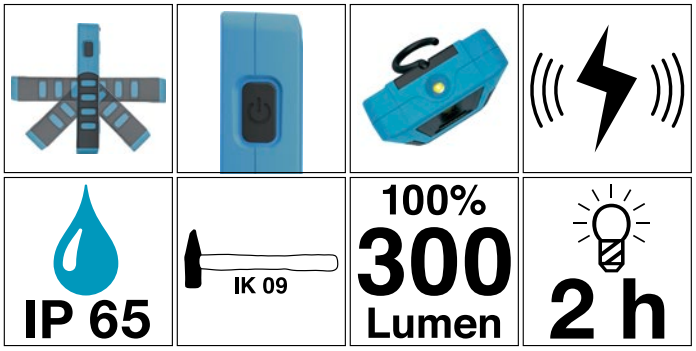
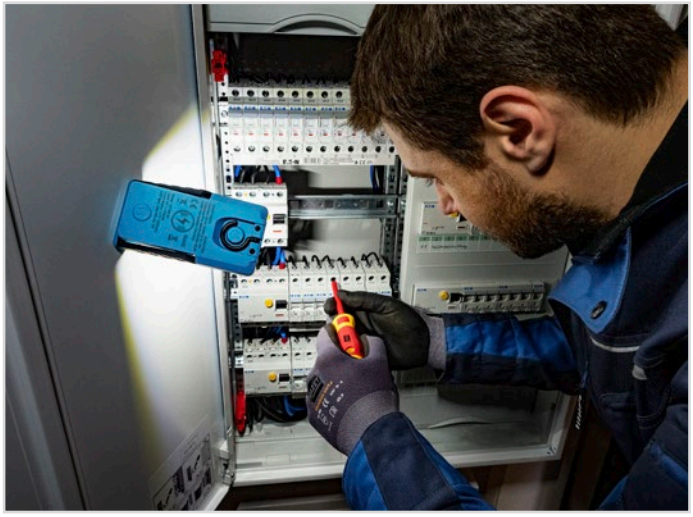


HAZET No.	l mm	EAN-No. 4000896+
1979 W-82	133	227228

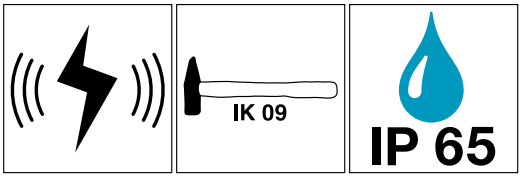


1979 LED pen light set · wireless charging

- **Wireless charging**
- **Efficient and comfortable charging function due to optimised self-positioning of the lamp on the pad**

- Small, compact LED lamp with high lighting power
- Progressively dimmable – optimal light adjustment
- Simple and quick diagnosis by main light (surface illumination) or top light (punctual illumination) for dialogue reception among other applications
- Should be in any tool bag
- Charging starts immediately after the light is fitted
- 2-component plastic housing with rubberised surface
- Battery status and state-of-charge display
- Switching on / off as well as switching between top and main light via main button
- Pen light for daily use in diverse application fields
- LED pen light set, 3-part
- Contents:
- 2x 1979 W-11 LED pen light · wireless
- 1x 1979 WP-2 dual wireless charging pad
- 1x 100 cm USB-C cable
- 1x 5 V, 2 A power supply unit
- Power supply: Wireless charging
- LED technology: COB/SMD
- Luminous flux 100%: 200 lm
- Type of protection (IP): IP65
- Protection rating (IK): IK09





HAZET No.		EAN-No. 4000896+
1979 W-11/3	3	235247

1979 LED inspection light set · wireless charging

- **Wireless charging**
- **Efficient and comfortable charging function due to optimised self-positioning of the lamp on the pad**

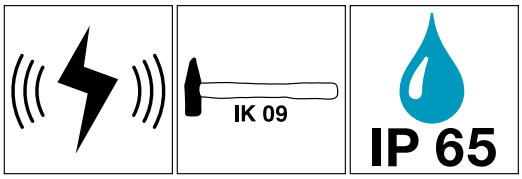
- Small, compact LED lamp with high lighting power
- Progressively dimmable – optimal light adjustment
- Simple and quick diagnosis by main light (surface illumination) or top light (punctual illumination) for dialogue reception among other applications
- Should be in any tool bag
- Charging starts immediately after the light is fitted
- 2-component plastic housing with rubberised surface
- Battery status and state-of-charge display
- Switching on / off as well as switching between top and main light via main button
- LED light set, 3 pieces
- Contents:
- 1x 1979 W-11 LED pen light · wireless
- 1x 1979 W-82 LED pocket light · wireless charging
- 1x 1979 WP-2 dual wireless charging pad
- 1x 100 cm USB-C cable
- 1x 2A 5V charger / power supply unit
- Power supply: Wireless charging
- LED technology: COB/SMD
- Type of protection (IP): IP65
- Protection rating (IK): IK09



▶

Components and spare parts from page 482 to 490

1979 LED inspection light set · wireless charging



HAZET No.		EAN-No. 4000896+
1979 NW/3	3	235261

1979 LED light

- **Wireless charging**
- **Efficient and comfortable charging function due to optimised self-positioning of the lamp on the pad**

- Charging starts immediately after the light is fitted
- Wireless charging pad 1979 WP-1 or 1979 WP-2 is needed
- Battery status and state-of-charge display
- Main light operating time: approx. 3–20 h
- Top light operating time: 4.5 h
- Top light luminous flux: 60–600 lm
- Top light luminous flux: 300 lm
- Dimmer switch for optimal light adjustment. Switching between top and main light
- Dimmer switch on the rear side of the lamp – optimal light adjustment
- Strong rubberised holding magnet on the underside
- Fold-out and 360° rotatable hanging hook
- 180° adjustable and 5-stage lockable foot
- Power supply: Wireless charging
- LED technology: COB/SMD
- Luminous flux 100%: 600 lm
- Operating time 100%: 3 h
- Charging time: 3.5 h
- Type of protection (IP): IP65
- Protection rating (IK): IK09





HAZET No.	l mm	EAN-No. 4000896+
1979 W-85	255	241484



1979 LED slim light · wireless charging

- **Wireless charging**
- **Efficient and comfortable charging function due to optimised self-positioning of the lamp on the pad**

- Charging starts immediately after the light is fitted
- Wireless charging pad 1979 WP-1 or 1979 WP-2 is needed
- 2-component plastic housing with rubberised surface
- 4-stage battery status and state-of-charge display
- 120° adjustable and 5-step lockable aluminium head for adjustment of work area illumination
- Battery capacity: 4500 mAh (+30% compared to previous model)
- Main light operating time: approx. 3–14 h
- Top light operating time: 11 h
- Top light luminous flux: 110–1100 lm (+10% compared to previous model)
- Top light luminous flux: 150 lm
- Full-surface, homogenous illumination
- Dimmer switch on the rear side of the lamp – optimal light adjustment
- Switching between top and main light via main button
- Strong rubberised holding magnet on the underside
- Fold-out and 360° rotatable hanging hook
- Solid base for good stability even on non-metallic substrates
- Power supply: Wireless charging
- LED technology: COB/SMD
- Luminous flux 100%: 1100 lm
- Operating time 100%: 3 h
- Charging time: 5.5 h
- Type of protection (IP): IP65
- Protection rating (IK): IK08





HAZET No.	l mm	EAN-No. 4000896+
1979 W-92	367	241422

1979 LED light set · wireless charging

- **Wireless charging**
- **Efficient and comfortable charging function due to optimised self-positioning of the lamp on the pad**

- LED light set, 3 pieces
- 1x 1979 W-82 LED pocket light
- 1x 1979 W-92 LED slim light
- 1x 1979 WP-2 charging pad for 2 lamps
- 1x USB-C cable, 100 cm
- 1x 5 V, 2 A power supply unit
- Power supply: Wireless charging
- LED technology: COB/SMD
- Type of protection (IP): IP65





HAZET No.		EAN-No. 4000896+
1979 W 1/3	3	241408

Components and spare parts from page 482 to 490

1979 Wireless charging pad

• Additional USB port for charging more devices

• Holding magnets on the rear of the pad for fastening to substrates containing iron
• 4 screw holes
• Including 100 cm USB-C cable and USB adapter
• 5 V USB-C input
• It is possible to charge the battery via pad or USB port
• Power supply: USB cable (USB C)





YouTube Clip

HAZET No.	EAN-No. 4000896+
• Maximum wireless output current: 850 mA • Optimised self-positioning of a light on the pad • 1 A charging current **1979 WP-1**	227952
• Maximum wireless output current: 1700 mA • Optimised self-positioning of two lights on the pad • 2 A charging current **1979 WP-2**	227945

1979 LED work spotlight

• 40 watt energy-efficient COB LED technology for uniform room lighting

• Rotatable dimmer switch for infinite adjustment
• Increased functionality by an additional 230V socket on the rear which enables coupling and operation of any additional devices
• 50 % of the power is immediately available when switching on
• Robust PU housing with surrounding aluminium components for better heat dissipation
• Visual power indication: 4-stage
• Base: 90° adjustable
• Cable length: 5 m
• Impact resistance (EN62262): IK07
• Extendable by:
  – 1979 F-01 diffuser
  – 1979 F-02 holding magnet
  – 1979 F-03 telescopic tripod
• Power supply: 230 V safety plug
• LED technology: COB
• Luminous flux 100%: 4000 lm
• Type of protection (IP): IP54
• Protection rating (IK): IK07
• Luminous flux: 400 – 4000 lumens
• 1 extension socket on the rear

YouTube Clip



►

1979 LED work spotlight

◄



HAZET No.	l mm	EAN-No. 4000896+
1979 FC-40	280	227839

1979 LED work spotlight

• 60 watt energy-efficient SMD LED technology for uniform room lighting

• Rotatable dimmer switch for infinite adjustment
• Increased functionality by an additional 230V socket on the rear which enables coupling and operation of any additional devices
• 50 % of the power is immediately available when switching on
• Robust PU housing with surrounding aluminium components for better heat dissipation
• Visual power indication: 4-stage
• Base: 90° adjustable
• Cable length: 5 m
• Impact resistance (EN62262): IK07
• Extendable by:
  – 1979 F-01 diffuser
  – 1979 F-02 holding magnet
  – 1979 F-03 telescopic tripod
• Power supply: 230 V safety plug
• LED technology: SMD
• Luminous flux 100%: 6000 lm
• Type of protection (IP): IP54
• Protection rating (IK): IK07
• Luminous flux: 600 – 6000 lumens
• 2 extension sockets on the rear

YouTube Clip



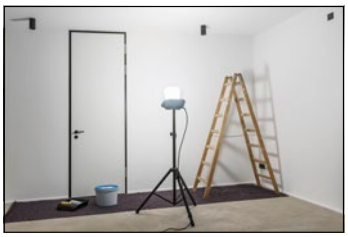


HAZET No.	l mm	EAN-No. 4000896+
1979 FC-60	360	227822

Components and spare parts from page 482 to 490

1979 Light diffuser

- Can be locked with bayonet fitting
- Maximum luminous flux for diffusor usage
  1979 FC-40: 3200 Lumen
  1979 FC-60: 4800 Lumen





HAZET No.	EAN-No. 4000896+
1979 F-01	227815

1979 Magnetic holder

- **Magnetic coating protects against damage to the surfaces**

- Can be locked using the enclosed fastening screw
- Magnetic retention force max.: 10 kg
- Vertical installation





HAZET No.	EAN-No. 4000896+
1979 F-02	227808

1979 Telescopic tripod

- **Tripod permits a secure stand**

- Sturdy steel construction
- Tool-free assembly
- Foot locking and height locking option
- Additional cable guides on tripod
- Height 120 – 185 cm
- Load-carrying capacity: 30 kg











HAZET No.	EAN-No. 4000896+
1979 F-03	227174

Floor Mats

195 Kneeling mat

Made in Germany
- **In the shape of the HAZET logo**

- Now even more comfort due to new foam quality
- Easy-to-clean surface
- Carrying/suspension handle
- Made of non-absorbing foam with closed cell structure



HAZET No.	L x W x H mm	EAN-No. 4000896+
195-1	450x210x30	121069

195 Mechanic's mat

Made in Germany
- **In the shape of the HAZET logo**

- Now even more comfort due to new foam quality
- Easy-to-clean surface
- Big mat for motor mechanics
- Made of non-absorbing foam with closed cell structure
- Carrying handle



HAZET No.	L x W x H mm	EAN-No. 4000896+
195-5	975x385x30	153718

Components and spare parts
from page 482 to 490

Car Covers

196 Fender cover · universal

Made in Germany

• Magnetic fastening (6 magnets)

- Optimal protection for your customers' vehicles
- Increased work quality – reduction of refinishing works
- Suitable for nearly all vehicle types



HAZET No.	l mm	EAN-No. 4000896+
196 N-1	950	208258

196 Front car cover

• Also for working with the engine running

- Waterproof, oil and grease repellent
- Regarding fire safety, cover corresponds to British and US standards Fed 302
- Easy to clean
- Loop fastening
- Cut–outs for lighting and radiator
- Material: 98% polyamide/ nylon, 2% polyurethane





HAZET No.	EAN-No. 4000896+
196-3	149414

196 Fender cover

• Made of specially coated anti-slip material

- Waterproof, oil and grease repellent
- Cover adheres vertically to almost all car body surfaces (aluminium, steel, GRP)
- Regarding fire safety, cover corresponds to British and US standards Fed 302
- Washable at +40 °C
- Cover for the protection of the car body surface from scratches and damages
- Easy to clean nylon front side surface
- Dimensions: 890 x 500 mm
- Material: 60% polyester, 30% polyamide/nylon, 10% cotton



HAZET No.	l mm	EAN-No. 4000896+
196-2	890	149469

196 Steering wheel and seat cover set

• Suitable for nearly all common car seats and steering wheels

- One size fits all
- Reusable
- Durable
- Waterproof, oil and grease repellent
- Regarding fire safety, covers correspond to British and US standards Fed 302
- Tested with a side airbag
- Antistatic
- Washable at +40 °C
- Made of hard-wearing nylon fabric with a surrounding elastic band
- Easy to clean
- Durable black covers with a welt edge (HAZET blue)
- Material: 98% polyamide/ nylon, 2% polyurethane



HAZET No.		EAN-No. 4000896+
196-6/2	2	150151

Lubrication Technology

197 Magnetic cup

• Practical helper for the workshop

- ABS plastic (HAZET blue)
- 80 mm rubberised magnet (approx. 2.5 kg retention force) for fixation to tool trolleys, panels, cabinets, car lifts etc.
- Magnetic on both sides – especially suitable for ferrous parts
- Housing opening enables good visibility and easy removal of parts
- Optimised, bevelled housing shape – also suitable for non-magnetic parts



360°



HAZET No.	∅ mm	EAN-No. 4000896+
197-3	150	158584

197 Multifunctional drain pan

• For oil change / oil filter replacement and for cleaning of parts

- Safe and clean outpour due to circumferential overflow gutter
- Made of polyethylene (break-proof)
- Internal scale: Litre, US gal / UK gal Scale graduation: 1 l / 1 gal
- 3 handles
- With pouring spout
- With protuberance including filter security (anti-slip) to deposit small parts
- With drainer for oil filter
- Stackable trays
- Dimensions L x W x H: 400 x 390 x 120 mm
- Manufactured in the EU



►

Components and spare parts from page 482 to 490

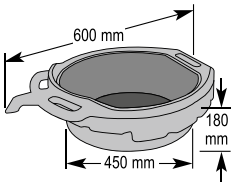
197 Multifunctional drain pan



HAZET No.	l	EAN-No. 4000896+
197 N-1	6	198924

- **For oil change / oil filter replacement and for cleaning of parts**

- Safe and clean outpour due to circumferential overflow gutter
- Made of polyethylene (break-proof)
- Tap for pouring out liquids safely and cleanly
- Three carrying handles for safe carrying and outpouring





HAZET No.	l	EAN-No. 4000896+
197-2	16	146802

Made in Germany

- **Universal application**
- **Large capacity**

Application: can be used as a cleaning pan, dirt pan, oil pan, storage pan, disinfection pan, leakage pan, transport pan, feed pan, in sanitary and heating construction, the motor vehicle industry and workshops, for hunting equipment, chemical/laboratory use, food industry/ butcheries, fishing, pet supplies, horse accessories, etc.

- Alkaline-resistant and acid-resistant
- Volume: 50 l
- Internal dimensions (W x D x H): 800 x 520 x 100 mm
- From TÜV-certified production in accordance with DIN ISO 16901



HAZET No.	l	EAN-No. 4000896+
197-50	50	210008

- **Chemical-resistant, unbreakable plastic with smooth, abrasion-proof surface**



HAZET No.	l	EAN-No. 4000896+
197-4	3	214235

198-1 Funnel · with flexible hose

- **Filling with all standard workshop liquids such as oil, fuel or brake fluid**

- Funnel made of polypropylene, flexible spout made of polyethylene, with stainless steel filter
- Funnel diameter: 165 mm
- Length including hose: 480 mm



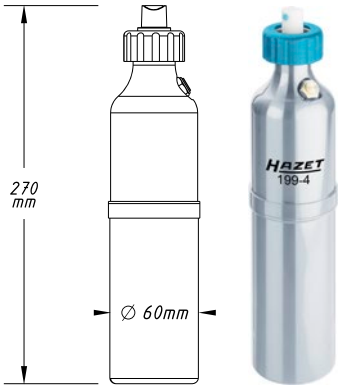


HAZET No.	l	EAN-No. 4000896+
198-1	1.2	149155

199 Spray bottle · refillable

- **Use with multi-purpose spray, such as e.g. penetrating oil, rust remover, as well as rim and brake cleaner**

- Savings due to the use of large containers
- Safety valve
- Viton® gaskets
- Including 155 mm long jet nozzle and short spray nozzle
- Fog spray and point jet
- Two-piece design enables easy cleaning
- Easy filling through the bottleneck (∅ 25 mm) or in the lower part (∅ 54 mm)
- Environmentally-friendly: CFC-free and reusable
- The valve located in the floor serves exclusively for filling with compressed air
- Max. working pressure [bar]: 8 bar



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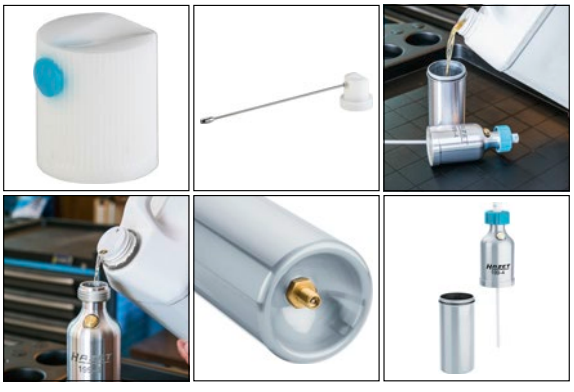


HAZET No.	l	EAN-No. 4000896+
199-4	0.227	198429

Components and spare parts from page 482 to 490

198 Measuring cup

- **Brake fluid, battery fluid and non-acidic liquids**
- Material: HDPE
- Colour: white/ transparent







HAZET No.	l	EAN-No. 4000896+
198-4	1	174485
198-5	2	174478
• With pouring spout		
198-6	5	174522
198-8	5	174508

2160 Oiler



HAZET No.	l mm	l	EAN-No. 4000896+
2160	245	0.2	013289

2160-1 Brush oiler

- Industrial oiler with single pump
- Replaceable brush, 20 mm diameter M6 x 0.75 mm
- Brass lance
- Suspension lug
- Semi-transparent container (PEHD) for better visibility of the filling level
- 20 bar pumping unit – delivery even of heavier oils with higher viscosity on chains and slide rails



HAZET No.	l	EAN-No. 4000896+
2160-1	0.3	234646

2162 Grease gun

- Capacity: 500 cm^3
- Reinforced hose, nozzle tube and 2 mouthpieces M 10 x 1





360°

HAZET No.	EAN-No. 4000896+
• Light design, wall thickness 1 mm	
2162-1	075027
• Reinforced design, wall thickness: 1.5 mm	
2162-2	075034

2162 High performance suction gun

- Unneeded material can be easily sucked back
- Flexible plastic hose outlet
- Housing material: galvanised steel





HAZET No.	l	EAN-No. 4000896+
• Filling capacity: 500 ml • Inside diameter of the hose: 9,5 mm • Outside diameter of the hose: 12.5 mm • NBR seals • For engine oils with a viscosity of 30 to 68 • Not suitable for acidic (erosive) liquids		
2162-4	0.5	174850
• Metal outlet also included • Filling capacity: 1000 ml • Inside diameter of the hose: 9.5 mm • Outside diameter of the hose: 12.5 mm • NBR seals • For engine oils with a viscosity of 30 to 68 • Not suitable for acidic (erosive) liquids • Coupler thread (hose/pipe) on the pump bottom: 12.7 mm (¼") PT x 19		
2162-6	1	174454



Components and spare parts from page 482 to 490

2162 Manual decanting / filling pump

Made in Germany

- **600 ml pump volume enables fast transfer pumping and filling of fluids between different tanks**

- Application: Filling and decanting liquids
- Base plate and double connection for hoses with 10/15 mm inside ∅
- 1 suction hose,∅ 10 mm · length: 3 m
- 1 pressure hose, ∅ 15 mm · length: 3 m
- On e.g. **MERCEDES-BENZ** Citaro Euro 6 together with coolant pipe 2xA.311.500.09.91 and coupling muff A.001.553.19.26 and coupler plug A.001.553.20.26
- Transmission or engine oils can be filled quickly, bubble-free and cleanly using the pump
- Fluids to be transferred, e.g.
  – Ad Blue
  – Cooling fluids
  – Windscreen frost protection
  – Oil
  – Water



HAZET No.	EAN-No. 4000896+
2162-7	207756

2162 Hand-operated dosing pump

- **The double scale enables precise dosing of various liquids**

- Coupler thread (hose/pipe) on the pump bottom: M15 x 1.5
- Housing material: PVC (transparent)
- Hose inside ∅: 10 mm
- Hose outside ∅: 16 mm
- NBR seals
- Unneeded material can be easily sucked back
- Incl. flexible, transparent plastic hose fibre-reinforced
- Including curved 120° aluminium application tube ∅ 10 mm
- Absorbent and smooth
- Hose length: 600 mm plus application tube
- Maximum transport volume 4 l/min
- Length without house: 545 mm



HAZET No.	l	EAN-No. 4000896+
2162-8	0.7	213337

2163 Hand pump · with telescopic suction tub

Made in Germany

- Suitable for drums from 50 to 200 l
- Telescopic suction tube made of metal, extendable from 450 to 860 mm
- Base component made of galvanised steel
- R 2″ and R 1.½″ drum adapters
- Removable, bent metal outlet
- Flow rate: approx. 0.35 litres / stroke or 16 l/min.
- Weight: 2.2 kg

Caution: Not suitable for gasoline extraction



HAZET No.	EAN-No. 4000896+
2163-1	172771

2162 Mini grease gun

- Filling capacity: 80 g
- Creates pressure up to 1,000 PSI / 69 bar
- Filling with loose grease
- Including lubricating nipple in 50° and 90° versions













HAZET No.	l mm	EAN-No. 4000896+
2162 M	145	185634

- Rapid and clean filling of the HAZET 2162 M mini grease gun
- Improved mechanical stability prevents loss of lubrication performance in vibrating environment
- Good water washout resistance
- High oxidative stability
- High corrosion protection and excellent adhesion on metallic surfaces
- Grease cushion 60 ml

9300 N-60	–	203406

199 Pressure sprayer

- **Capped pumping mechanism increases chemical resistance**

YouTube Clip

- For universal application in industrial and automotive sectors
- **Cleaning and degreasing of workpieces, workshops and vehicles,** such as machinery, engines, floors, rims etc.
- **Applying oils and separating agents** on machinery, workpieces, track switches and components, for mould making, for formworks etc.
- **Disinfecting and cleaning** floors, facades, sanitary facilities, pools etc.
- Integrated safety valve (2.5 bar) enables the container to depressurize before opening
- With Viton® gaskets
- Seals and materials resistant to most acids and solvents as well as to chemicals that are used most frequently in industry, automotive technology and professional cleaning
- Adjustable conical nozzle and flexible, break-proof pumping lever
- Flow rate: 0.5 l/min. at 2.5 bar using the white, adjustable conical nozzle
  0.8 l/min. at 2.5 bar with the grey flat spray nozzle
- Net volume: 1 l
- Gross volume: 1.35 l
- Max. working pressure [bar]: 2.5 bar









HAZET No.	l	kg	EAN-No. 4000896+
199 N-1	1	0.46	189007

Components and spare parts
from page 482 to 490

199 Pressure sprayer · foam

- **Three nozzles (in scope of delivery) for generating wet and dry foams as well as for implementing different reaction times**

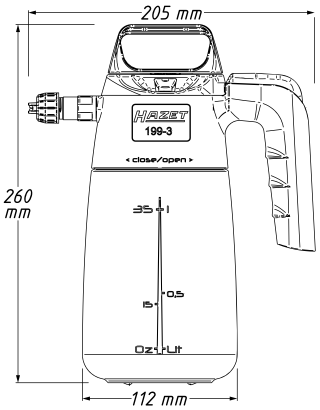
- Application: Creating tight and permanent foam
- Cleaning/disinfecting of surfaces, workpieces, vehicles, sanitary facilities
- **Better visual control of the sprayed area**
- For neutral cleaners as well as diluted acid and alkaline cleaners
- Ideal for
  – Cleaning and disinfecting work on upholstery and rugs
  – Disinfection of bathrooms and sanitary facilities
  – Kitchens and food industry
  – Cleaning vehicles, work surfaces etc.
- Transparent, durable tank with level indicator
- Integrated safety valve (2.5 bar) enables the container to depressurize before opening
- With Viton® gaskets
- Net volume: 0.75 l
- Gross volume: 1.5 l
- For use of chemicals with surface-active properties (surfactants)
- Increasing the duration of contact between chemical and surface to be cleaned guarantees increased effectiveness of the chemical product
- Seals and materials resistant to most acids and solvents as well as to chemicals that are used most frequently in industry, automotive technology and professional cleaning
- Wide filling neck
- Protection cover for chamber valve
- Including 3 different nozzles (black = normal, green = dry, orange = wet) for adjusting the foam quality
- Special flat nozzle suitable for foam
- Special flat spray nozzle for wide fan beam
- Including 10 spare filter
- Flexible, break-proof pumping lever

Application fields:

- **Cleaning textiles, upholstery and carpets** while at the same time avoiding excessive moistening to reduce the drying time and prevent fungi and bacteria from developing
- Max. working pressure [bar]: 3 bar

YouTube Clip









HAZET No.	l	EAN-No. 4000896+
199-3	0.75	207237

General Workshop Tools

1988 Clamping strap / Lashing strap

Made in Germany

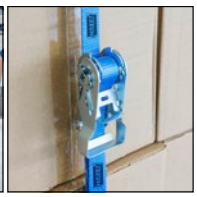
- Application: Safe transport of luggage and goods

Safe transport of the load is also indispensable for private individuals and small enterprises!

- Length: 6 m
- As per EN 12195-2
- Lashing capacity / strapping: LC (strap webbing elongation in %) 1,000 daN in the strapping
- Tensile force / ratchet: STF (tensile force) 200 daN
- Strap colour: light blue including HAZET logo imprint, black

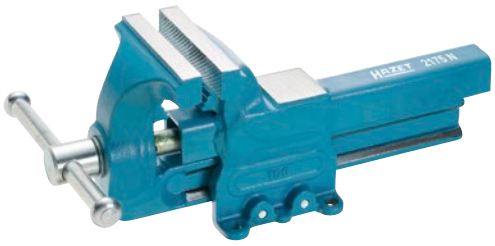






HAZET No.	EAN-No. 4000896+
1988-6	219193

2175 N Machinist's vice



HAZET No.	b mm	st mm	sb max. mm	EAN-No. 4000896+
• **Vice fastening** for machinist's vice 2175 N • For *Assistent* 179 N · 179 NX · 179 N XL · 179 N XXL model year 1/7/2019 tool trolleys • Easy installation on the worktop of the right side of the trolley • Includes fixing materials (screws and discs) for vice 2175 N • Easy installation of the door 179 N-21, the laptop holder 179 W-42 and the basic fixture 179 W-40 when the vice is installed				
179 N-75	–	–	–	241835
• **Machinist's vice** • Drop forged • Gripping jaw width: 100 mm • Installation on *Assistent* 177 W · 179 W · 179 N W work benches together with 179 N W-11 machinist's vice fastening set Assembly on *Assistent* 177 tool trolleys together with 2175 N-11 wooden liner • For assembly on *Assistent* 179 N · 179 N X · 179 N T · 179 N XL · 179 N XXL model year 01/07/2019 tool trolleys → together with 179 N-75 vice fastening				
2175 N	100	50	125	013685
• **Distance plate** (wooden) for machinist's vice 2175 N • Installation of the vice on work benches or *Assistent* 172 HD · 177 · 180 · 180 K-4 tool trolleys • Including installation accessories				
2175 N-11	–	–	–	013692

Safety at Work

1987-5 Mechanic's gloves

- **Extremely abrasion resistant due to perfect mix of synthetic leather (palms) and PVC, protectors on the outside surface**

- Excellent elasticity and optimal fit, special Bignet® stretch fabric provides perfect grip and freedom of movement
- Breathable
- Non-skidding
- Washable
- Material: 48% polyamide/nylon, 25% polyacrylic, 25% polyester, 2% polyurethane



HAZET No.	EAN-No. 4000896+
• Size L	
1987-5 L	181735
• Size XL	
1987-5 XL	181759
• Size XXL	
1987-5 XXL	181766

1987 Mechanic's gloves

- **Protection thanks to TPR protectors and fine knitted fabric**

- The palm: maximum abrasion resistance due to high-quality nitrile rubber coating
- Easy grip
- Very good freedom of movement and fit
- Long wear life due to selected material components
- Easy to clean
- Size: L
- Tested against increased mechanical risks according to standard EN 388:2016 Additional cut protection test according to standard EN ISO 13997 with power levels 4131A



HAZET No.	EAN-No. 4000896+
1987-6	222643

1987 Working gloves · genuine leather

- **Pleasant, lightweight feel and excellent dexterity due to high-quality kid leather**

- High-quality mix of materials from supple genuine leather and modern microfibre textiles
- Exact-fit due to Velcro® strip cuffs (hook and loop fastener)
- Lightweight and breathable
- Tested against increased mechanical risks according to standard EN 388:2016 Additional cut protection test according to standard EN ISO 13997 with power levels 2111A
- Size: L



HAZET No.	EAN-No. 4000896+
1987 N-3	222650

1987 Gloves

- **Microfoam coating**

- Breathable coating
- Maximum flexibility and freedom of movement together with excellent mechanic protection
- Water repellent
- Material: 60% cotton, 40% polyester



HAZET No.	EAN-No. 4000896+
1987 N-4	203840



Components and spare parts from page 482 to 490


HAZET 4900-11
Made in Germany
04/10
HAZET 1847-12
Made in Germany



Engine

Engine Timing / Timing Belt	385–388
Spark and Glow Plug	389–393
Cylinder head	394
Valves / Pistons	395–396
Fuel System / Fuel Injection	396–399
Cooling System / Hose Connection	400–403
Diagnostics	404–407
Exhaust System / Lambda Probe	408–409



Gearbox

Clutch	409



Oil Service

410–415



Brakes

416–423



Chassis

Spring Vices / Shock Absorbers	424–434
Wheel Bearing / Wheel Hub	434–444
Silent Block	445–446
Cardan Shafts	446–449
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Electricity / Battery Service

Electrical Testing	452
Battery Service	452–453
Contacts / Plug connections / Cable release tool	453–455
Alternator / Radio removal	456–457



Body and Interior Equipment

Car Body Repair	458–465
Car Glass / Wiper Arm	466
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Commercial Vehicles

Engine	467–470
Oil Service	470–471
Brakes	471–473
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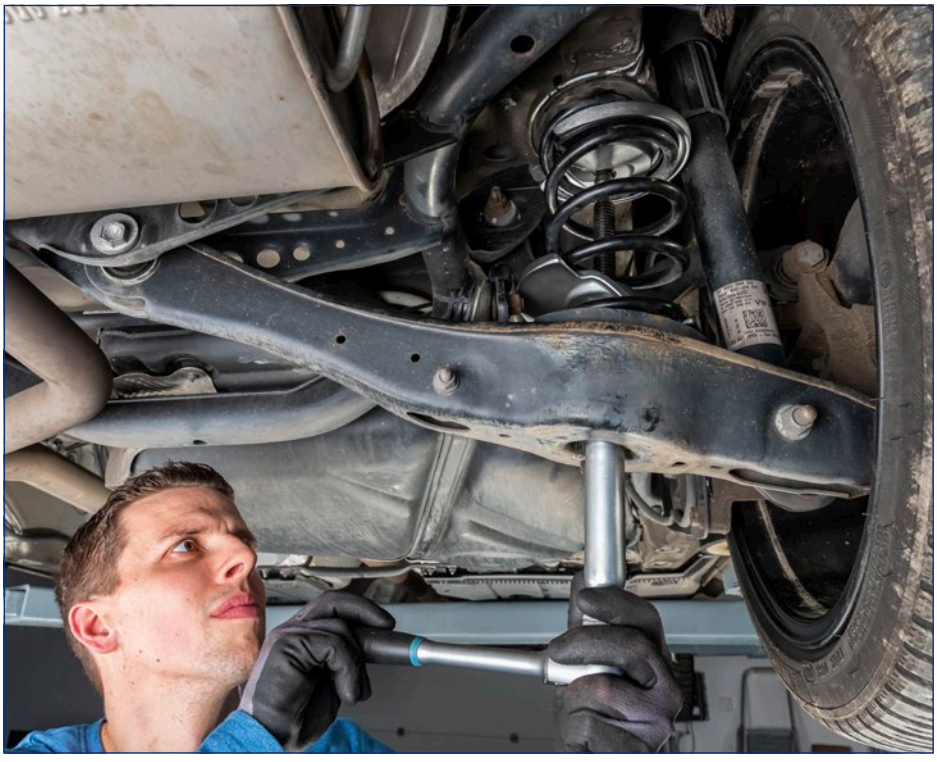
HAZET specialty tools – The specialist for specialists









Good ideas – cleverly implemented by HAZET

Engine

Engine Timing / Timing Belt

220 Universal engine support

Made in Germany

- **For transverse engines**

- Application: Supporting the engine during maintenance work on thrust bearings, timing belts, water pumps or tensioner rollers
- Suitable for nearly all vehicle types
- After loosening the engine mount, the engine support safely holds the vehicle engine in the engine compartment (time savings and higher safety at work)
- Installation of the engine support underneath the motor vehicle allows optimal access during repair work (engine is supported from below), ensuring optimal working conditions in the engine compartment from above. Optimal work in the engine compartment (from above)
- The most important advantage compared to work with engine lifting beam or engine crane (both are mounted above the engine and may obstruct repair works) is that the engine compartment is freely accessible
- Note for using engine lifting beams:
  – The fenders of newer vehicles often slope or are made of plastic material. This means that, unlike with the HAZET universal engine support, classic engine lifting beams are often unsuitable and not mountable without damage
- Rubber covered feet with ball bearings allow flexible adjustment of the engine support
- Variable length: 620 – 900 mm
- Including 2 assembly holders
- Fully galvanised for optimal surface protection
- Manual operation through T-handles or wing screws
- Maximum loading capacity: 250 kg





HAZET No.	EAN-No. 4000896+
220-1	191758



1789 N Pulley extractor

Made in Germany

- Application: Removing **passenger car, SUV and transport vehicle pulleys**
- Extractor for pulleys **with thread holes**, operation with:
  – 1 crossbar, short, for pulleys 43–120 mm ∅
  – 1 crossbar, long, for pulleys 95–210 mm ∅
  – 3 exchangeable pressure pieces, serving as spindle extension
- Extractor for pulleys **without thread holes** (hook grip behind pulley), application with:
  – 1 crossbar, short, for pulleys 23–100 mm ∅
  – 1 crossbar, long, for pulleys 85–195 mm ∅
  – Puller hooks for a span depth up to 68 mm or extension up to 88 mm
- Extractor with **2 groove hooks** (fit into the grooves of the pulley, if gripping behind is not possible), application with:
  – 1 crossbar, short, for pulleys 80–140 mm ∅
  – 1 crossbar, long, for pulleys 135–235 mm ∅







HAZET No.	EAN-No. 4000896+
1789 N-1	158621

2540 Timing belt pulley-counterholder

Made in Germany

- Application: Removing and installing timing belt pulleys on the camshaft, crankshaft and injection pump
- **Counterholder with replaceable pins**
- On **VW** Lupo · Polo · New Beetle · Golf · Caddy · Bora · Touran · Sharan · Transporter
  AUDI A2 · A3 · A4 · A6 · TT
  ŠKODA Fabia · Octavia · Superb
- Distance between pins: 100 mm and 46 mm
  Opening width: 33 mm
- Handle with dip-coating
- Surface: chrome-plated





HAZET No.	l mm	EAN-No. 4000896+
2540-1	722	110407

Components and spare parts from page 482 to 490

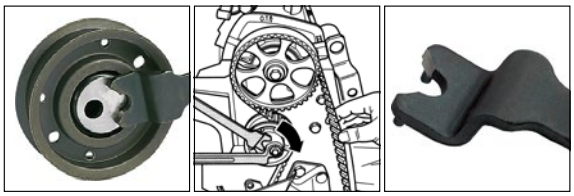
2587 Timing belt double-pin wrench

Made in Germany

- **For professional engine repair**

- Application: Adjusting the **timing belt** on the tensioner roller
- **AUDI** A3 1.9 TDi · A4 1.6 · 1.6 l diesel
  SEAT Toledo 1.6 · 1.8 · 2.0 · 1.8 16V · 2.0 16V
  VW Golf 1.9 SDi · TDi · Golf · Jetta · Passat 1.6 l diesel · Passat 1.6 · Passat 2.0 · Polo 1.9 SDi · TDi
  ŠKODA 1.6 – 1.9 l diesel
- Offset
- Distance of pins: 18 mm, pin ∅: 2.9 mm





HAZET No.	l mm	EAN-No. 4000896+
2587	140	017140

Made in Germany

- **For professional engine repair**

- Application: Adjusting the timing belt at the tensioner roller
- **AUDI** A2 1.2 TDi · A3 1.9 TDi · A4 1.9 TDi · A4 2.0 and 2,0 FSi · A4 4-cylinder · A6 2.0
  SEAT Alhambra 1.9 TDi · Ibiza 1.9 TDi · León 1.9 TDi
  VW Golf 1.9 TDi · Golf Plus 2.0 l (4-cylinder) · Lupo 3-cylinder diesel · Passat 2.0 16V · Passat TDi · Polo 1.4 TDi · Polo 1.9 TDi · Polo 3-cylinder diesel · 4-cylinder pump-nozzle injection · Sharan 1.9 TDi
  ŠKODA Octavia 1.9 TDi
- Distance of pins: 18 mm, pin ∅: 3 mm
- Surface: matt chrome-plated



HAZET No.	l mm	EAN-No. 4000896+
2587-1	250	053476

Made in Germany

- **For professional engine repair**

- Application: Adjusting the timing belt at the tensioner roller
- **VW** Golf 3 · 4 · 5 · 6 1.9 TDI · 2.0 TDI · petrol engine
  Beetle 2.0 l petrol engine model
  Transporter T5 4-cylinder diesel
  AUDI A3,
  ŠKODA Octavia
- Distance of pins: 18 mm, pin ∅: 3 mm
- Angled at 15°
- Surface: matt chrome-plated





HAZET No.	l mm	EAN-No. 4000896+
2587-2	258	072439

3087 Tensioner roller operating tool

Made in Germany

- **No tensioner roller operation with unsuitable auxiliary equipment, such as screwdrivers, that lead to timing belt damage if they slip.**

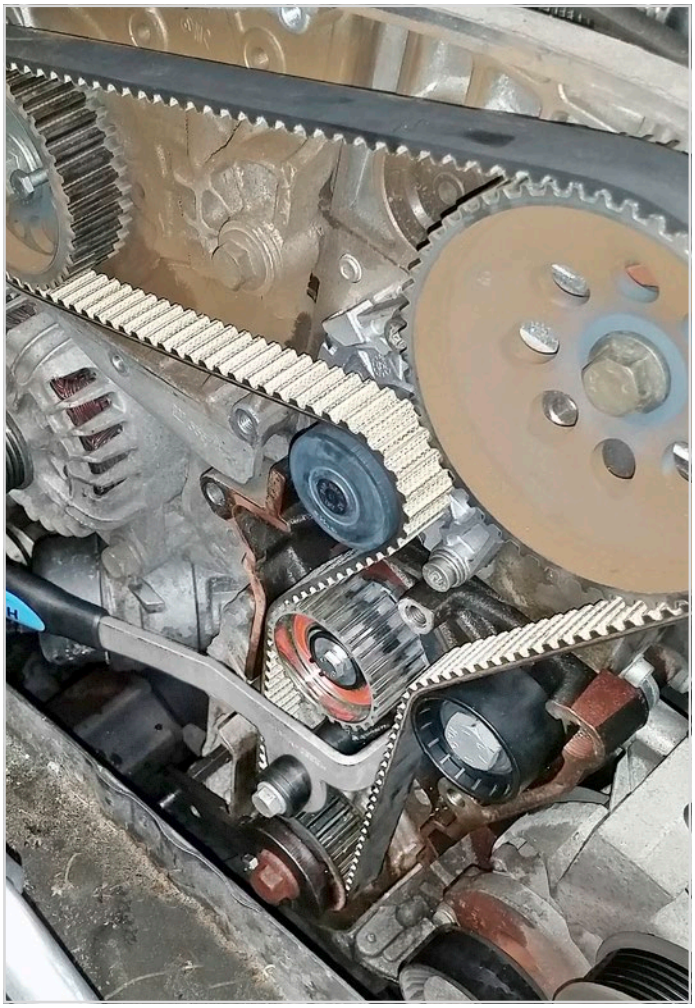
- Application: Simplified tensioning of the timing belt via the tensioner roller
- **ALFA ROMEO**: 145 · 146 · 147 · 156 · 159 · 166 · Brera · Giulietta · GT · Mito · Spider
  Engines: 1.6 JTDM · 1.9 JTD · 1.9 JTDM · 2.0 JTD · 2.4 JTD
- **FIAT**: 500L · 500X · Brava · Bravo · Croma · Doblò · Ducato · Freemont · Grande Punto · Idea · Marea · Multipla · Punto · Sedici · Stilo
  Engines: 1.6D · 2.0 D · 1.9 TD · 1.9 JTD · 2.0 JTD · 2.4 TD · 2.4 JTD
- **LANCIA**: Delta · Kappa · Kappa SW · Lybra · Lybra SW · Musa · Thesis
  Engines 1.6 D · 1.9 D · 2.0 D · 1.9 JTD · 2.4 JTD
- **OPEL/VAUXHALL**: Astra H · Astra J · Cascada · Combo · Insignia · Signum · Vectra C · Zafira B
  Engines: 1.9 CDTI · 2.0 CDTI
- **SAAB**: 9-3 · 9-5
  Engines: 1.9 TiD/TTiD · 2.0 TiD · 2.2 TTiD
- **SUZUKI**: SX4 engine 1.9 DDiS
- Ergonomically shaped HAZET 2-component handle
- Surface: galvanised

YouTube Clip





HAZET No.	EAN-No. 4000896+
3087-1	206759



Product applications

Engine timing tools
hazet.de → Service → Tool Finder → Engine timing tools
◀ For Smartphones with QR reader (app)

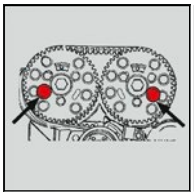
2588 Engine timing tool AUDI · VW · SEAT · ŠKODA

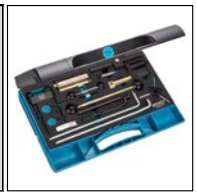
- **For professional engine repair**

- Application: For timing belt replacement and other engine repairs
- Detailed operating instructions including cross references to original part numbers
- Single parts optionally available
- **Petrol engines:**
  1.4 · 1.6 · 1.8 · 1.8 T · 2.0 16V
  AUDI 80 · A2 · A3 · S3 · A4 · A6 · TT
  SEAT Arosa · Ibiza · Córdoba · León · Toledo · Inca · Alhambra
  ŠKODA Fabia · Octavia
  VW Lupo · Polo · Caddy · Golf · Bora · New Beetle · Passat · Sharan · Touran
- **Diesel engines:**
  pump injector engines 1.2 · 1.4 · 1.9 · 2.0 TDi
  AUDI 80 · A2 · A3 · A4 · A6 · Cabriolet
  SEAT Ibiza · Córdoba · León · Toledo · Inca · Arosa · Alhambra · Altea
  ŠKODA Felicia · Octavia model year 1993 2005 · Fabia
  VW Lupo · Polo · Caddy · Golf · Bora · New Beetle · Passat · Sharan · Touran · Transporter · 1.7 · 1.9 D / TD / SDi / TDi
- Plastic box 165-L (1/3)
- Safety-Insert-System, 2-component soft foam insert.
  Insert also suitable for HAZET Assistent

1/3







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HAZET No.	L x W x H mm		EAN-No. 4000896+
2588/19	355x235x65	19	127771
• Camshaft locking tool			
2588-4	–	–	110391
2587	–	–	017140
2587-1	–	–	053476
2587-2	–	–	072439
• **Crankshaft fixing device** • Locking the crankshaft • For e.g. **VW** 1.6 l and 2.0 l common rail diesel engine			
2588-1	–	–	087730
• **Locking plate** • Locking the tensioner roller			
2588-2	–	–	087747
• **Locking pin** • Locking the camshaft sprocket • For e.g. **VW** 1.6 l and 2.0 l common rail diesel engine			
2588-3	–	–	087754
• Adjustment tool			
2588-9	–	–	137565

2588 Tool set for timing belt replacement

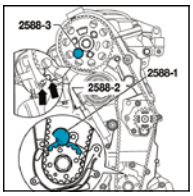
Made in Germany

- **The use of this tool set ensures that all locked components maintain the required position when changing timing belt or when carrying out engine maintenance work**

- Application: For timing belt replacement, e.g. on **VW** pump injector engines
- **AUDI** A2 · A4 · A3 · A6 · **VW** Passat · Golf · Bora · Beetle · Sharan · Lupo · Touran · **SEAT** Alhambra · Arosa · Altea · Toledo · León · **ŠKODA** Octavia · Fabia · Superb · Roomster · **FORD** Galaxy

YouTube Clip

Contents:
crankshaft fixing device 2588-1
locking plate 2588-2
locking pin 2588-3





2588-1
2588-2
2588-3

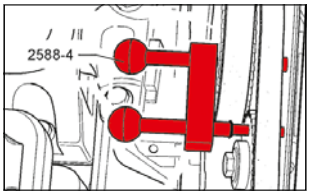
HAZET No.		EAN-No. 4000896+
2588/3	3	087761
• **Crankshaft fixing device** • Locking the crankshaft • For e.g. **VW** 1.6 l and 2.0 l common rail diesel engine		
2588-1	–	087730
• **Locking plate** • Locking the tensioner roller		
2588-2	–	087747
• **Locking pin** • Locking the camshaft sprocket • For e.g. **VW** 1.6 l and 2.0 l common rail diesel engine		
2588-3	–	087754

2588 Camshaft locking tool

Made in Germany

- Application: Locking the camshaft sprockets when replacing the timing belt
- Engine repair on 1.4 – 1.6 16 V engines
  AUDI A2
  SEAT Arosa · Ibiza · León · Toledo · Córdoba 1.6 16V · León 1.4 16V
  ŠKODA Fabia and Octavia 1.4 16V
  VW Bora 1.4 and 1.6 · Caddy 1.4 16V · Caddy · Golf 1.4 and 1.6 · Golf · Bora 1.4 16V · Golf · Bora 1.6 16V · Lupo · Lupo · Polo 1.4 16V · Lupo · Polo 1.6 16V · New Beetle 1.4 · Polo · Polo Classic · Variant





HAZET No.	EAN-No. 4000896+
2588-4	110391

Components and spare parts from page 482 to 490

2588 Engine timing tool AUDI · VW · SEAT · ŠKODA

- Application: Checking and adjusting the engine timing
- Detailed operating instructions including cross references to original part numbers
- Single parts optionally available
- **VW** 1.2 TFSi petrol engines
- **AUDI** A1 · A3
- **SEAT** Altea/XL · Ibiza · León
- **ŠKODA** Fabia 2 · Octavia 2 · Roomster · Yeti
- **VW** Caddy · Golf · Golf Plus · Jetta · Polo · Touran
- **Engine code:** CBZA · CBZB · CBZC
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent



1/9

HAZET No.	L x W mm		EAN-No. 4000896+
• Engine timing tool set, contents: 2588-20 (1x) · 21 (1x) · 22 (2x)			
2588-1/4	172x114	4	180325

2788 Camshaft adjuster TORX® screwdriver socket · with drilled hole

Made in Germany

- **Work on camshaft, timing chain or camshaft adjuster**

- Application: Screw connection on camshaft adjuster
- **MERCEDES-BENZ**: C-Class type 203 · 204 · 205 · CLK 209 E-Class type 211 · 212 · E-Class Coupé type 207 SLK type 171 · 172 G-Class type 463 · Sprinter type 906
- Petrol engines: M133 · 157 · 176 · 177 · 270 · 271 · 271.8 · 271.9 · 272 · 273 · 274 · 276 · 278
- With knurling
- Surface: TiN

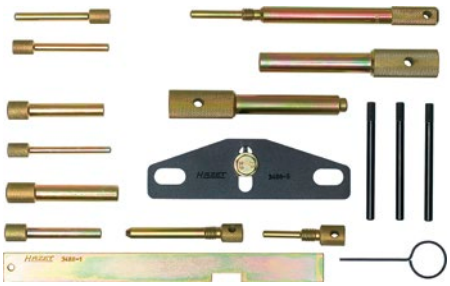


HAZET No.	l_1 mm	l_2 mm	mm	EAN-No. 4000896+
2788-T 100 H	60	100	22.15	206650

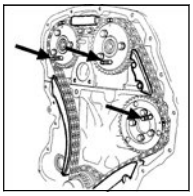


3488 Engine timing tool FORD

- Application: For timing belt replacement and other engine repairs
- Detailed operating instructions including cross references to original part numbers
- **Petrol engines:** Twin camshaft engines (Zetec / Duratec) 1.25 · 1.4 · 1.6 · 1.7 · 1.8 · 2.0 16V **FORD** Fiesta · Escort · Focus · Focus C-Max · Puma · Fusion · Mondeo · Cougar model year 1998 → 2001
- **Diesel engines:** 1.8 D / TD / TDCi / TDdi: 2.0 / 2.4 TDdi · 1.4 / 1.6 TDci **FORD** Fiesta · Escort · Orion · Courier · Focus · Focus C-Max · Mondeo model year 1988 → 2003 · Fusion · Transit
- Plastic box 165-L (1/3)
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent



1/3

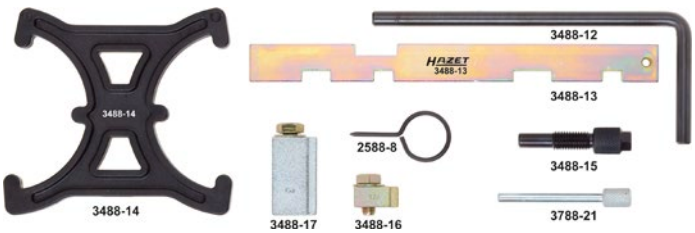




YouTube Clip

HAZET No.	L x W x H mm		EAN-No. 4000896+
3488/17	355x235x65	17	127795
• Flywheel locking tool			
3488-5	–	–	137060

- Application: For timing belt replacement and other engine repairs
- **Supplementary set**
- For **FORD** 1.25–1.4 and 1.6–16V petrol engines: Fiesta · Fusion · Focus · C-Max 1.6 Ti-VCT petrol engines: Focus · C-Max 1.4–1.6 TDCi-Diesel: Fiesta · Fusion · Focus · C-Max 2.0 TDCi-Diesel: Focus · Mondeo · C-Max · S-Max · Galaxy
- Camshaft locking when replacing the timing belt
- Camshaft timing / engine timing / timing chain tensioner
- Soft foam insert





YouTube Clip

HAZET No.		EAN-No. 4000896+
3488/8	8	155873
• Crankshaft locking tool		
3488-15	–	155910

Spark and Glow Plug

1849 Spark plug socket pliers

Made in Germany
- **Especially suitable for hot terminals**

- Application: Installing and removing **spark plug sockets**
- Side cutter
- Ergonomically shaped HAZET 2-component plastic handle covers (blue/black)
- Surface: chrome-plated



HAZET No.	l mm	EAN-No. 4000896+
1849	195	007080

Made in Germany
- **Safe application due to milled jaw profile**

- Application: Installing and removing straight **spark plug sockets**
- Especially on **MERCEDES-BENZ**
- Ergonomically shaped HAZET 2-component plastic handle covers (blue/black)
- Surface: chrome-plated



HAZET No.	l mm	EAN-No. 4000896+
1849-1	200	128037

Made in Germany
- **Long style provides a better safety distance to the hot engine**

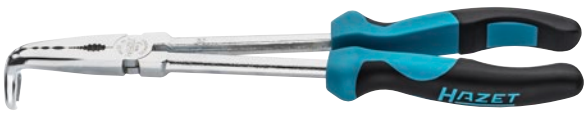
- Application: Installing and removing straight **spark plug sockets**
- Especially for **low-lying spark plug sockets,** e.g. on **AUDI** V6 and V8 engines · **JAGUAR** 12-cylinder
- Ergonomically shaped HAZET 2-component plastic handle covers (blue/black)
- Surface: chrome-plated



HAZET No.	l mm	EAN-No. 4000896+
1849-2	290	007103

Made in Germany
- **Especially suitable for hot terminals**

- Application: Installing and removing **spark plug sockets**
- Long style
- Ergonomically shaped HAZET 2-component plastic handle covers (blue/black)
- Surface: chrome-plated



HAZET No.	l mm	EAN-No. 4000896+
1849-3	265	055098

1849 Spark plug socket remover

Made in Germany
- **Slotted tube for optimal and careful guidance of the cable**

- Application: Installing and removing **spark plug sockets** even on hot engines For 2.8-2.9 l VR6-engine **VW** Golf, Passat, Vento, Corrado, T5 2.0 l, Lupo 4-cyl. engine model year 1999→, **AUDI** A4, A6 with 2.6 and 2.8 l V6 engines



HAZET No.	l mm	EAN-No. 4000896+
1849-6	253	007110

Made in Germany
- **Application also on hot engines**

- Application: **Installing and removing spark plug sockets**
- **For VW** Golf 4 · 5 · 6–1.6 l · Polo 5–1.2 l model year 2009→, Bora model year 1999→ and Touran model year 2004→ with 1.6 l · 4-cylinder injection engine with roller cam follower,
  New Beetle model year 1999→ with 2.0 l · 4-cylinder injection engine and 2 valve 4-cylinder. injection engine with roller cam follower
  AUDI A3 model year 2004→ with 2 valve 4-cylinder injection engine
  SEAT · ŠKODA
  and **SMART** For
  Two (type 450)
- Plastic T-handle



HAZET No.	l mm	EAN-No. 4000896+
1849-9	275	110476

2131 Spark plug brush

Made in Germany
- **Special corrugated brass wire bristles**

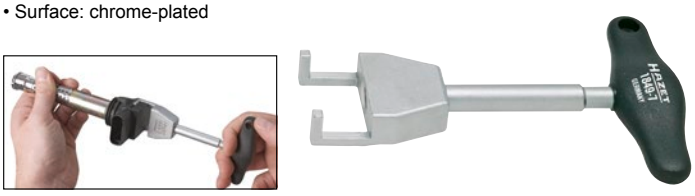
- Application: Cleaning electrodes and contacts on spark plugs
- 3 rows
- Trim size: 15 mm
- Wooden body



HAZET No.	l mm	EAN-No. 4000896+
2131	150	012541

1849 Ignition coil remover

Made in Germany
- Application: **Installing and removing ignition coils with final output stage**
- On **VW** Polo · Fox 1.2 l · Golf 1.4 · 1.6 l · Golf Plus 1.4 l model year 2005→ · Caddy 1.4 l · Bora 1.4 · 1.6 l · Beetle 1.4 l (petrol engine model year 2003) · Scirocco 1.4 l model year 2009→ · Lupo 4-cylinder direct injection engine model year 1999 → · Passat B7 1.4 l TSI · Touran 1.6 l · Phaeton · Transporter T4 · **ŠKODA** Fabia
- Plastic T-handle
- Surface: chrome-plated



HAZET No.	l mm	EAN-No. 4000896+
1849-7	135	110353

Components and spare parts from page 482 to 490

1849 Ignition coil remover

Made in Germany

- Application: **Installing and removing ignition coils with final output stage**
- On **VW** Golf · Bora · Eos 3.2 l model year 2006 → · Passat · Sharan · Touareg 6-cylinder model year 2003 → · Transporter T5 3.2 l 6-cylinder injection engine model year 2004 → **AUDI** TT 3.2 l model year 1999→ 2007 · A3 3.2 l model year 2004 → · Passat B7 3.6 l FSI
- Plastic T-handle
- Surface: chrome-plated





HAZET No.	l mm	EAN-No. 4000896+
1849-8	133	110360

Made in Germany

- Application: **Installation/removal of ignition coils with final output stage**
- **VW** direct injection engines 2.0: Golf model year. 2004 → · Touran model year 2004 → · Passat model year 2006 → · Eos model year 2006 → · Polo model year 2002 → 4-cylinder 5V · Scirocco model year 2009 → 1.8 and 2.0 l · Tiguan model year 2006 → 1.8 and 2.0 l · Phaeton model year 2003 → 8-cylinder Passat B7 1.8–2.0 l TSI
- **AUDI** direct injection engines: A3 model year 2004 → 2.0 · A4 model year 2002 → 2.0 · A5 model year 2008 → 3.2 and 4.2 l · A6 model year 2005 → 3.2 · A8 model year 2003 → 3.2–4.2 and 5.2 l, TT model year 2007 → 1.8 and 2.0 l · R8 model year 2008 → 4.2 l Q5 model year 2008 → 2.0 and 3.2 l · Q7 model year. 2007 → 3.6 and 4.2 l
- Plastic T-handle
- Surface: chrome-plated





HAZET No.	l mm	EAN-No. 4000896+
1849-10	102	132201

1849 Pencil coil extractor

Made in Germany

- **Fast, safe extraction of the pencil coils**
- Application: **Removing the pencil coils** in 1.0 l / 1.0 l TSI / TFSI · 1.2 l TSI · 1.4 l TSI /TFSI · 2.0 l GTI engines
- Vehicle types: **VW** Up model year → 2011 · Polo model year → 2012 · Golf model year → 2013 · Beetle model year → 2014 · Caddy model year → 2015 · Passat model year → 2014 · Tiguan model year → 2015 · Touran model year → 2015 · Sharan model year → 2015 **AUDI** A1 model year → 2012 · A3 model year → 2013 **SEAT** Mii model year → 2011 · Ibiza model year → 2013 · León model year → 2013 **ŠKODA** Citigo model year → 2011 · Fabia model year → 2014 · Octavia model year → 2013
- Plastic T-handle

YouTube Clip



HAZET No.	l mm	EAN-No. 4000896+
1849-12	156	204342

Overview spark and glow plugs

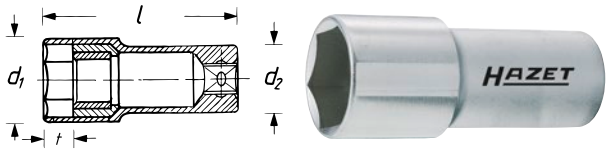
HAZET No.	mm	"	l mm	□
4760-2 (G)	8	–	142	10 3/8
2530 (G)	10	–	140	10 3/8
4766-2	14	–	64	10 3/8
4766-3	14	–	154	10 3/8
880 A MgT	16	5/8	64	10 3/8
880 A MgT-1	16	5/8	64	10 3/8
880 A KF	16	5/8	64	10 3/8
900 A MgT	16	5/8	71	12.5 1/2
900 A KF	16	5/8	71	12.5 1/2
4766	16	5/8	97	10 3/8
4766-1	16	5/8	270	10 3/8
4767 A KF	16	5/8	480	12.5 1/2
880 MgT-18	18	–	62	10 3/8
880 MgT	20.8	13/16	64	10 3/8
880 KF	20.8	13/16	64	10 3/8
900 Lg-20,8	20.8	13/16	85	12.5 1/2
900 TZ-20,8	20.8	13/16	85	12.5 1/2
900 MgT	20.8	13/16	68	12.5 1/2
900 KF	20.8	13/16	71	12.5 1/2
2505-2	20.8	13/16	137.5–197.5	10 3/8

(G) = Glow plug

880 MGT Spark plug socket

Made in Germany

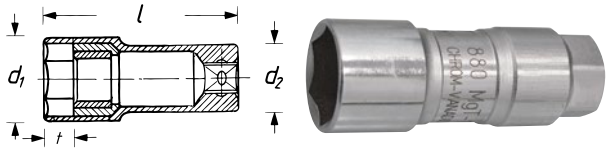
- Application: Spark plug changing
- With permanent magnet
- Long design
- **American dimensions**
- Surface: chrome-plated, polished



HAZET No.	s mm	s "	l mm	d_1 mm	d_2 mm	t mm	EAN-No. 4000896+
880 Mg T	20.8	13/16	64	27.4	22.5	9	040872
880 A Mg T	16	5/8	64	21.6	21.6	9	040247

Made in Germany

- **With permanent magnet**
- Application: For spark plug changing
- Outside hexagon: 17 mm
- For motorcycles, e.g. **HONDA · YAMAHA · SUZUKI · KAWASAKI** etc.
- Long design
- Surface: chrome-plated, polished



HAZET No.	s mm	l mm	d_1 mm	d_2 mm	t mm	EAN-No. 4000896+
880 Mg T-18	18	62	23.5	22.8	9.6	040889

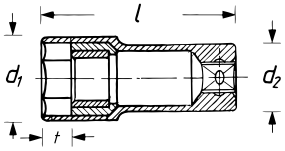
880 AMGT Spark plug socket

Made in Germany

- **Outside guide collar 23.6 mm for low-lying spark plugs**

- Application: For spark plug changing
- With permanent magnet
- Long design
- **American dimensions**
- Surface: chrome-plated, polished





HAZET No.	s mm	s "	l mm	d1 mm	d2 mm	t mm	EAN-No. 4000896+
880 A Mg T-1	16	5/8	64	21.9	21	9	040254

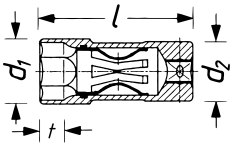
880 KF Spark plug socket

Made in Germany

- **The fixing clamp reduces the risk of insulator damage**

- Application: Installing and removing spark plugs (*s* 20.8 mm = 13/16")
- **Fixing clamp** to hold the spark plug
- Long design
- **American dimensions**
- Surface: chrome-plated, polished





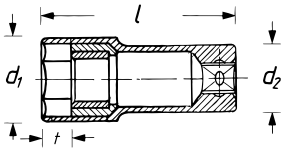
HAZET No.	s mm	s "	l mm	d1 mm	d2 mm	t mm	EAN-No. 4000896+
880 KF	20.8	13/16	64	27.4	25	10	040674
880 A KF	16	5/8	64	21.6	21.6	10	040131

900 MGT Spark plug socket

Made in Germany

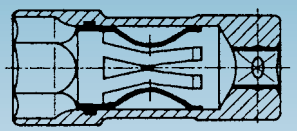
- Application: Spark plug changing
- Magnetic bit retention
- **American dimensions**
- Surface: chrome-plated, polished

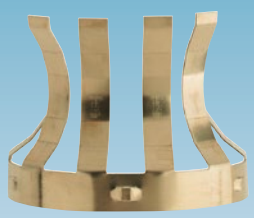




HAZET No.	s mm	s "	l mm	d1 mm	d2 mm	t mm	EAN-No. 4000896+
900 Mg T	20.8	13/16	68	27.4	23.5	9	044023
900 A Mg T	16	5/8	71	22.5	22.5	8.5	043491

Fixing clamp information





- Stainless and insensitive to heat
- Largest possible clearance of insulator
- 6 spring elements – firm hold of the spark plug
- Damping of transverse motion

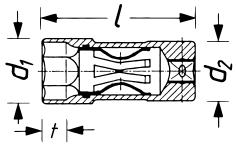
900 KF Spark plug socket

Made in Germany

- **The fixing clamp reduces the risk of insulator damage**

- Application: Spark plug changing
- **Fixing clamp** to hold the spark plug
- **American dimensions**
- Surface: chrome-plated, polished





HAZET No.	s mm	s "	l mm	d1 mm	d2 mm	t mm	EAN-No. 4000896+
900 KF	20.8	13/16	71	27.4	25	10	043859
900 A KF	16	5/8	71	22.5	22.5	10	043408

2505 Spark plug wrench

Made in Germany

- **Adjustable in length from 137.5 mm to 157.5 and 197.5 mm**

- For spark plugs with 20.8 / 13/16" wrench size
- Rubber ply
- **American dimensions**
- Drive with ball race
- Surface: chrome-plated



HAZET No.	s mm	s "	l mm	d1 mm	d2 mm	t mm	EAN-No. 4000896+
2505-2	20.8	13/16	197.5	29	16	7	016266

4766 Spark plug wrench

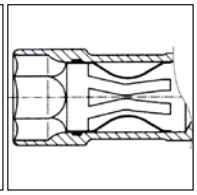
Made in Germany

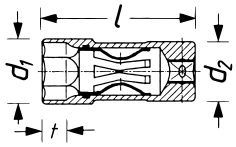
- **Short style**

- Application: Installing and removing spark plugs (C-plugs) (*s* 16 mm = 5/8")
- On e.g. motorcycles, **BMW** C1 · **KAWASAKI** · **YAMAHA** · **HONDA** · **SUZUKI** · **DUCATI** · **MERCEDES-BENZ** passenger cars e.g. A-Class (type 168 · 169) · B-Class (type 245) · **SMART** (type 451)
- With fixing clamp for a firm hold of the spark plug
- Angular movement ± 25°
- **American dimensions**
- With hinge – for working in areas with restricted access and for getting around obstructive edges
- Drive with ball race
- Surface: chrome-plated









HAZET No.	s mm	s "	l mm	d1 mm	d2 mm	t mm	EAN-No. 4000896+
4766	16	5/8	97	21.4	18	10	049295

Components and spare parts from page 482 to 490

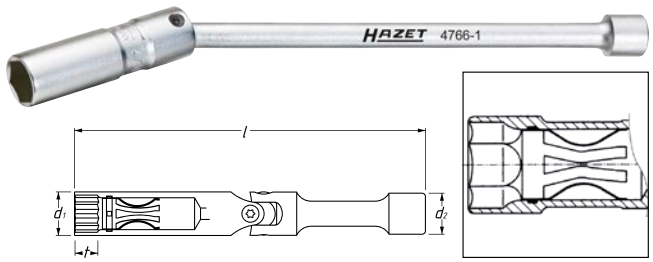
4766 Spark plug wrench

Made in Germany

• **With fixing clamp for a firm hold of the spark plugs**

• Application: Installing and removing spark plugs (16 mm or 5/8″)
• On e.g. **VW** · **AUDI** · **SEAT** · **ŠKODA** · **RENAULT** · **FIAT** · **FORD** · **OPEL/ VAUXHALL** · **BMW** · **NISSAN** · **HONDA** · **MAZDA** · **MITSUBISHI** · **KIA** · **Volvo**
• Angular movement ±50°
• **American dimensions**
• With hinge – for working in areas with restricted access and for getting around obstructive edges
• Drive with ball race
• Surface: chrome-plated

YouTube Clip



HAZET No.	s mm	s ″	l mm	d_1 mm	d_2 mm	t mm	EAN-No. 4000896+
4766-1	16	5/8	270	21.4	18	10	048991

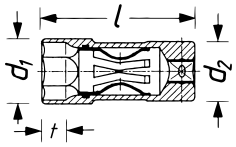
Made in Germany

• **12-point profile enables application of spark plugs with 6-point and 12-point**

• Application: Installing and removing spark plugs (*s* 14 mm)
• Fixing clamp for a firm hold of the spark plug
• On **BMW** E90 N 54 engine 335 i Lim. model year 2006 → · 1 Series (F20) 118i · **RENAULT** Modus · Twingo · Clio · Kangoo with 1.2 l 16 V engine · **PEUGEOT** 207 · 307 as well as **CITROËN** C4 with 1.4 and 1.6 l 16 V engine · C5 with 2.0 l HPi engine · **MERCEDES-BENZ** engine M 156 · engine M 276 · **NISSAN** Micra · Note · **MINI** 1.2 – 1.4 l 4-cylinder model year 2007 → · **FORD** 1.0 EcoBoost engine · **ALFA ROMEO** 1.8 TBI engine · **KIA** · **PORSCHE** 911 GT3 model year 2014 → · 2.9 l · 3 l · 4 l · **AUDI** 3 l TFSI · **VW** 3 l TSI
• Drive with ball race







HAZET No.	s mm	l mm	d_1 mm	d_2 mm	t mm	EAN-No. 4000896+
4766-2	14	64	18	17.3	10	087655

Made in Germany

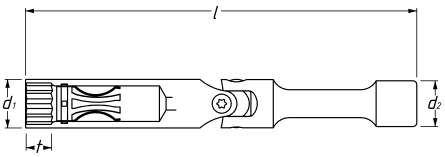
• **12-point profile enables application of 14 mm spark plugs with 6-point and 12-point**

• Application: For **14 mm spark plugs** e.g. **BMW** and **MERCEDES-BENZ**
• Fixing clamp for a firm hold and problem-free positioning and assembly of the spark plug
• Angular movement ±56°
• With hinge – for working in areas with restricted access and for getting around obstructive edges
• Drive with ball race



4766 Spark plug wrench





HAZET No.	s mm	l mm	d_1 mm	d_2 mm	t mm	EAN-No. 4000896+
4766-3	14	154	19.1	18	10	199976

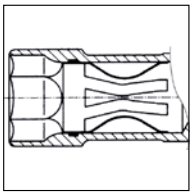
4767 AKF Spark plug wrench

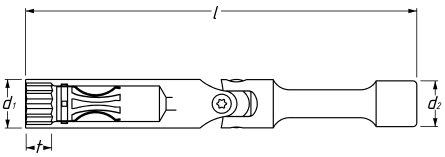
Made in Germany

• **Spring in the joint**

• Application: Installing and removing spark plugs (*s* 16 mm = 5/8″)
• With fixing clamp for a firm hold of the spark plugs
• Long design
• **American dimensions**
• Drive with ball race
• Surface: chrome-plated







HAZET No.	s mm	s ″	l mm	d_1 mm	d_2 mm	t mm	EAN-No. 4000896+
4767 A KF	16	5/8	480	25.5	23	10	049028

2530 Glow plug socket

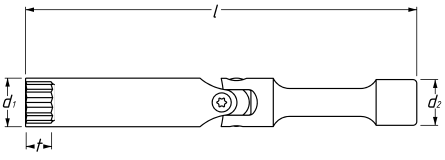
Made in Germany

• **With ball clamping to hold the glow plug**

• Application: Installing and removing glow plugs (*s* 10 mm)
• **VW** · **AUDI** direct injection engines TDi and **MERCEDES-BENZ** CDI · **SMART**
• Angular movement ±45°
• With hinge – for working in areas with restricted access and for getting around obstructive edges
• Drive with ball race
• Blister packed
• Surface: chrome-plated







HAZET No.	s mm	l mm	d_1 mm	d_2 mm	t mm	EAN-No. 4000896+
2530	10	140	15	18	9	016341

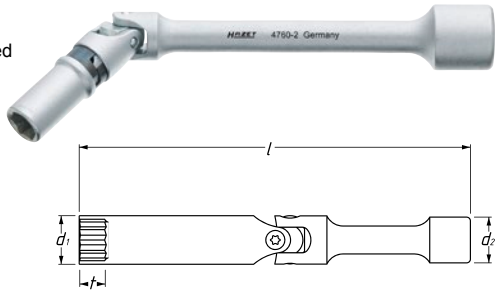
4760 Glow plug wrench

Made in Germany

- **With ball clamping to hold the glow plug**



- Application: Installing and removing glow plugs (*s* 8 mm)
- On e.g. **MERCEDES-BENZ · SMART · VW · FIAT and OPEL/VAUXHALL** diesel engines
- Angular movement ±45°
- **American dimensions**
- With hinge – for working in areas with restricted access and for getting around obstructive edges
- Drive with ball race
- Blister packed
- Surface: chrome-plated



HAZET No.	s mm	l mm	d_1 mm	d_2 mm	EAN-No. 4000896+
4760-2	8	142	11.8	18	118670

4760 Glow plug socket pliers

Made in Germany

- **The pliers' design is specially adapted to the sockets**

- Application: Installation and removal of glow plug sockets on diesel engines e.g. **MERCEDES-BENZ, VW, AUDI, SEAT, ŠKODA and BMW**
- Offset design for use on glow plug sockets in areas with restricted access
- **With recess preventing cable damage**
- Ergonomically shaped HAZET 2-component plastic handle covers (blue/black)



HAZET No.	EAN-No. 4000896+
4760-5	089130

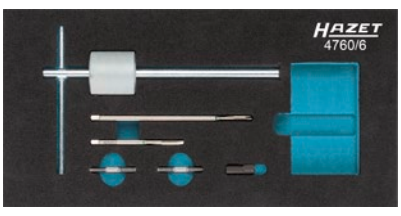
4760 Glow plug removal set

Made in Germany

- **Knocking out broken glow plugs** *s* **8–10 mm**

- **Allows time-saving repair** without the need to remove the cylinder head
- Damaged threads are **trimmed** or **renewed/reworked** (see also 4760-M 8 up to -M 10)
- Plastic box 165-L (1/3)
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent





1/3

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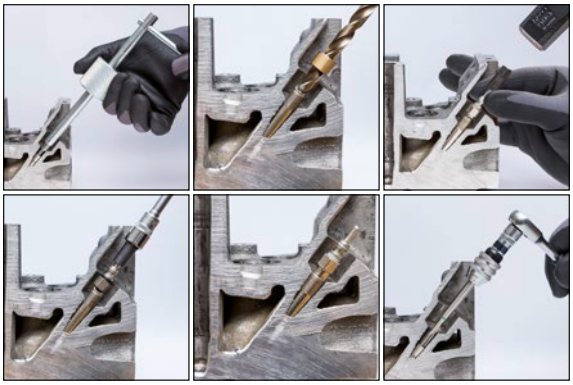
4760 Glow plug removal set

◄



HAZET No.	L x W x H mm		EAN-No. 4000896+
4760/6	355x235x65	6	191642

4760 Glow plug repair set

Made in Germany

- **Thread repair without having to remove the cylinder head**

- To be used together with glow plug removal set 4760/6
- Plastic box 165-S (1/9)
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent



1/9



YouTube Clip

HAZET No.	L x W x H mm		EAN-No. 4000896+
• Ripped out threads M 8 x 1 are reworked on M10 x 1 • 1 twist drill 6.8 mm with spacer sleeve 1 tap M 8x1 1 tap M10x1 1 twist drill 9 mm 5 threaded inserts M8x1			
4760-M 8x1/9	185x153x52	9	191536
• Ripped out threads M 10 x 1 are reworked on M12 x 1 • 1 twist drill 9 mm with spacer sleeve 1 tap M 10x1 1 tap M12x1 1 twist drill 11 mm 5 threaded inserts M10x1			
4760-M 10x1/9	185x153x52	9	191529

4760 Disassembly / assembly auxiliary tool

- **Prevents the glow and spark plugs from falling down and becoming damaged during disassembly/assembly**

- Application: Auxiliary tool for safely securing flow and spark plugs, especially in constricted spaces
- Full rubber design
- Length of 230 mm enables more careful threading and unthreading



HAZET No.	l mm	EAN-No. 4000896+
4760-11	230	222346

Components and spare parts from page 482 to 490



Cylinder head

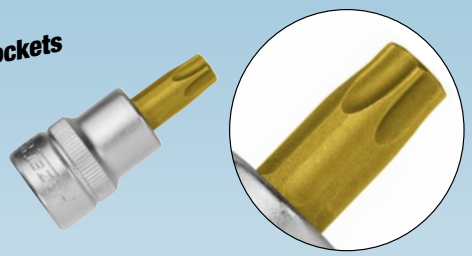
TiN coating

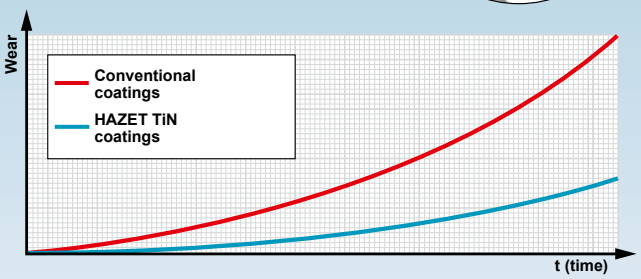
TiN

Why choose TiN (Titanium Nitride) coating?

- A special coating process for extremely hard TiN coating guarantees high adhesive strength and wear resistance of the coating
- Particularly suitable for continuous load, e. g. for industrial applications in industry and trade
- Higher wear protection guarantees a longer lifetime
- Perfect fitting accuracy due to optimum coating thickness
- Higher torque
- Optimized corrosion protection

TIN coated screwdriver sockets





986 SL Screwdriver socket

Made in Germany

- **Extra long design**
- With knurling
- Surface: TiN
- DIN 7422

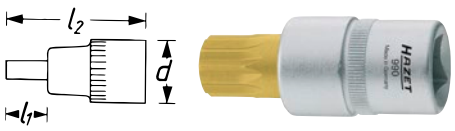


HAZET No.	s mm	l_1 mm	l_2 mm	d mm	EAN-No. 4000896+
986 SL- 8	8	102	140	23	232345
986 SL-10	10	102	140	23	232321

990 Screwdriver socket

Made in Germany

- Application: Cylinder head fitting (XZN screws)
- Short design
- With knurling
- Surface: TiN



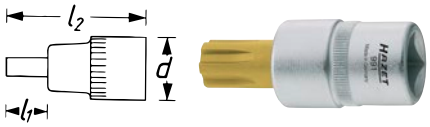
990 Screwdriver socket

HAZET No.	s	l_1 mm	l_2 mm	d mm	EAN-No. 4000896+
990-10	M10	15	53	23	047253
990 Lg-9	M9	62	100	23	103140
990 Lg-14	M14	62	100	23	065240
990 S Lg-10	M10	82	120	23	047369
990 S Lg-12	M12	102	140	23	047376
2751	M10	100	140	23	017508

991 Screwdriver socket

Made in Germany

- Application: Cylinder head screw connection (RIBE CV screws), e.g. on **FIAT** 2.0 engines
- Short design
- With knurling
- Surface: TiN



HAZET No.	s	l_1 mm	l_2 mm	d mm	EAN-No. 4000896+
991-12	M12	25	63	23	047413

992 LG Screwdriver socket TORX®

Made in Germany

- Application: Cylinder screw connection (for inside TORX® screw)
- Long design
- With knurling
- Surface: TiN



HAZET No.	s	l_1 mm	l_2 mm	d mm	mm	EAN-No. 4000896+
992 S Lg-T 55	T55	102	138	23	11.22	047642
992 Lg-T 55	T55	57	96	23.3	11.22	057337
992 Lg-T 70	T70	67	105	24.6	15.54	047611

2579 Cylinder head screwdriver socket

Made in Germany

- Application: Operating **Polydrive cylinder head bolts** on **VW** engine (**VW, AUDI, SEAT, ŠKODA**) and **FORD** 1.0 EcoBoost engines
- **Extra long design**
- With knurling



HAZET No.	l_1 mm	l_2 mm	d mm	EAN-No. 4000896+
2579-9	130	168	23	086931

Valves / Pistons

794 Piston ring compressor

Made in Germany

- With tensioner adjuster
- Continuous regulation
- High-strength spring band steel
- Safety spring prevents undesired springing open





HAZET No.	h mm	∅ mm	EAN-No. 4000896+
794-01	50	40–75	031597
794-1	80	60–125	031610
794-2	80	90–175	031641

794 U Piston ring collet chuck

Made in Germany

- Application: Compression of piston rings on water-cooled and air-cooled engines
- **Tightening strap (width 32 mm), releasable**
- Surface: chrome-plated





HAZET No.	l mm	h mm	∅ mm	EAN-No. 4000896+
794 U-3	332	32	70–100	031672

790 Piston ring pliers

Made in Germany

- Application: Installing and removing piston rings
- Surface: bright nickel-plated



HAZET No.	l mm	∅ mm	EAN-No. 4000896+
790-1	220	50–100	031412
790-1 a	240	65–110	031429

Made in Germany

- **Prism holder**

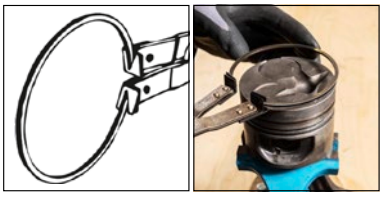
- Application: Safe grip of various piston ring types
- Surface: nickel-plated, prism holder burnished



►

790 Piston ring pliers

◄



HAZET No.	l mm	∅ mm	EAN-No. 4000896+
790-3	220	60–120	031450

795 Valve refacer

Made in Germany

- With suction cup



HAZET No.	∅ mm	EAN-No. 4000896+
795-1	20	031771
795-2	25	031788
795-3	30	031795
795-4	37	031801

792 Valve spring compressors

Made in Germany

- Application: Tensioning valve springs
- 1 pair each straight and curved jaws, 792-1 with straight jaws · *sb* 75-225 with curved jaws · *sb* 45-195
- Surface: bright nickel-plated



HAZET No.	l mm	EAN-No. 4000896+
792-1	290	031481

791 Valve stem sealing ring pliers

Made in Germany

- **Hardened jaws, serrated**

- Application: Removing valve stem seals on **2-valve engines**
- On **FORD · OPEL/VAUXHALL · NISSAN** etc.
- Surface: nickel-plated, jaws burnished





HAZET No.	l mm	EAN-No. 4000896+
791-5	250	031467

Components and spare parts from page 482 to 490

791 Valve stem sealing ring pliers

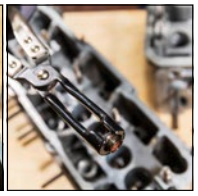
Made in Germany

- **Hardened jaws, serrated, dip-coated**

- Application: Easy and reliable removing of low-lying valve stem seals (**multi-valve engines**) due to the extra long jaws
- On e.g. **AUDI · FORD · OPEL/VAUXHALL**
- Straight
- Surface: nickel-plated







HAZET No.	l mm	EAN-No. 4000896+
791-8	270	061068

2991 Valve stem sealing ring pliers

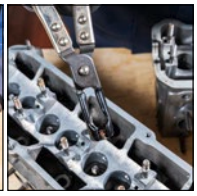
Made in Germany

- **Working area with dip coating for avoiding damage to the valve timing**

- Application: **Removing valve stem seals** especially on **BMW multi-valve engines**, **OPEL/ VAUXHALL**, **FORD**, **SEAT**, **ŠKODA** and **VW/AUDI**
- Hardened jaws, longitudinally toothed







HAZET No.	l mm	EAN-No. 4000896+
2991	250	018352

Fuel System / Fuel Injection

615 S Double box-end wrench

Made in Germany

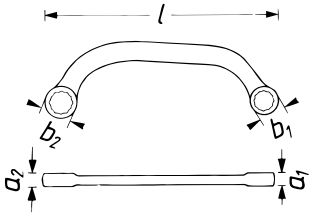
- **Working on built-in components possible**

- Application: Safe operation of control bar screw connection (loosening, adjusting, tightening) when removing or installing the pressurized can with position sensor for boost pressure plate on the turbocharger
- Bent double box-end wrench (12-point), slotted on sides (s 10 mm)
- Can be used in combination with HAZET socket 2561-10
- For 2.0 l common rail engines (4-cylinder diesel engines)
- **VW** Golf model year 2009 → · Golf Plus model year 2009 → · Eos model year 2006→ · Jetta model year 2006 → · Passat model year 2006 → · Passat CC model year 2009 → · Beetle model year 2011 → · Scirocco model year 2009 → · Tiguan model year 2008 → · Transporter model year 2010 →
- **AUDI** A3 model year 2004 → TT model year 2008 → 2014
- **SEAT** Altea model year 2006 → · León model year 2006 → 2012 · Toledo model year 2006 → 2009
- **ŠKODA** Octavia model year 2006 → 2013 · Superb model year 2009 → 2015 · Yeti model year 2009 →

YouTube Clip







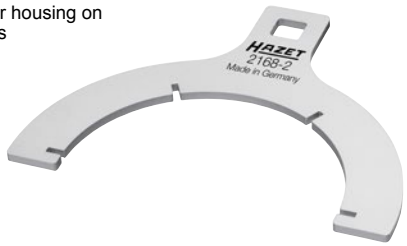
HAZET No.	l mm	a_1 mm	a_2 mm	b_1 mm	b_2 mm	EAN-No. 4000896+
615-S 10x12	147	7.5	7.5	18	20	203505

2168-2 Fuel filter releasing tool

Made in Germany

- **Can be used easily even in areas with restricted access**

- Application: Operation of fuel filter housing on **FORD** Duratorq 2.2 TDCI engines
- Length: 130 mm
- Outside ∅: 160 mm
- **FORD** Transit Custom model year 04/2012 → · Tourneo Custom model year 04/2012 → · Transit model year 08/2013 →



HAZET No.	∅ mm	EAN-No. 4000896+
2168-2	160	226870

2561 Turbo charger socket · 12-point

Made in Germany

- **Working on built-in components possible**

- Application: Safe operation of control bar screw connection (loosening, adjusting, tightening) when removing or installing the pressurized can with position sensor for boost pressure plate on the turbocharger
- Socket (12-point), slotted on sides
- Can be used in combination with HAZET double box-end wrench 615-S 10x12
- For 2.0 l common rail engines (4-cylinder diesel engines)
- **VW** Golf model year 2009 → · Golf Plus model year 2009 → · Eos model year 2006→ · Jetta model year 2006 → · Passat model year 2006 → · Passat CC model year 2009 → · Beetle model year 2011 → · Scirocco model year 2009 → · Tiguan model year 2008 → · Transporter model year 2010 →
- **AUDI** A3 model year 2004 → · TT model year 2008 → 2014
- **SEAT** Altea model year 2006 → · León model year 2006 → 2012 · Toledo model year 2006 → 2009
- **ŠKODA** Octavia model year 2006 → 2013 · Superb model year 2009 → 2015 · Yeti model year 2009 →



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2561 Turbo charger socket · 12-point

◀

6.3 ¼″

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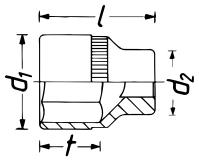


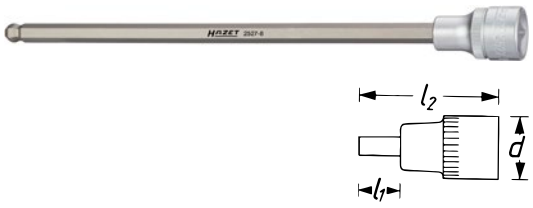
HAZET No.	s mm	l mm	d_1 mm	d_2 mm	t mm	EAN-No. 4000896+
2561-10	10	57	15	15	40	203512

2527-8 Ball-head screwdriver socket

Made in Germany

12.5 ½″

- Application: Knock sensor on V6 engine (*s* 8 mm)
- **Extra long design**
- With ball-head
- With knurling



HAZET No.	s mm	l_1 mm	l_2 mm	d mm	EAN-No. 4000896+
2527-8	8	200	238	23	016310

4550 Injection line wrench

Made in Germany

10 ⅜″

- **Open 12-point socket**

- Application: Operating screwed connections on injection lines
- Surface: chrome-plated



HAZET No.	s mm	l mm	d_1 mm	d_2 mm	EAN-No. 4000896+
• **FIAT · CITROËN · PEUGEOT · RENAULT** and **IVECO** models with Common Rail engines • Injection line screw connection e.g. on **BMW · MERCEDES-BENZ · VW** • Operation of the **exhaust temperature sensor** on **VAG** diesel engines from Euronorm 6 • **Long design** • ☐ Drive 12.5 = ½″					
4550-5	14	119	27	22.9	149582
• For **BMW** diesel and **OPEL/VAUXHALL** 2.5 TD-engines • ☐ Drive 10 = ⅜″					
4550	17	115	–	–	021680
• **MERCEDES-BENZ** 100 · 130 · 314 · 360 · 360h · 352A · 346/355 · 401 · 402 · 403 · 407h · 615 · 616 · 617 • **Long style** • ☐ Drive 12.5 = ½″					
4550-1	17	120	–	–	021697
• **MERCEDES-BENZ** M 352 · A · 346/355 · A · 401 · 402/422 · LA · 403 · 407h, as well as for the dipstick guide tube on M 314 • **Long style** • ☐ Drive 12.5 = ½″					
4550-2	19	119	–	–	021734

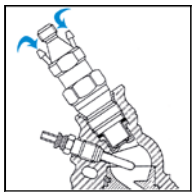
4555 Injection nozzle socket

Made in Germany

- **Special relief to accommodate the return leakage tubes**

12.5 ½″

- Application: For **injection nozzles** (*s* 27 mm) on diesel engines
  VW, AUDI, MERCEDES-BENZ, OPEL/ VAUXHALL, FORD, PEUGEOT, Volvo, TOYOTA, MAZDA, NISSAN, MITSUBISHI, DAIHATSU
- Long design
- With knurling
- Surface: chrome-plated





HAZET No.	s mm	l mm	d_1 mm	d_2 mm	t mm	EAN-No. 4000896+
4555 N	27	85	37.1	29.8	27.5	021840

Made in Germany

12.5 ½″

- Application: Injection nozzles (*s* 27 mm) on **BMW** Diesel
- M21 = E30 = 324TD · E28 = 524TD · E34 = 524TD
  M51 = E36 = 325TD · E34 = 525TDS,
  FORD Diesel **LINCOLN** Continental (USA),
  LINCOLN Mark 7 · VIILSC
- Long design
- With knurling
- Surface: chrome-plated



HAZET No.	s mm	l mm	d_1 mm	d_2 mm	t mm	EAN-No. 4000896+
4555-1	27	85	37.1	29.8	27.5	021802

4556 Pressure valve holder tool

Made in Germany

12.5 ½″

- Application: Installing and removing the **pressure valve holder** on the MRSF-ERE injection pump
- Serration socket
- For **MERCEDES-BENZ** diesel passenger cars, transport vehicles 601, 602, 603, 605, 606, 615, 616, 617
- 33 teeth
- Long design
- With knurling
- Surface: chrome-plated



HAZET No.	s mm	l mm	d_1 mm	d_2 mm	t mm	EAN-No. 4000896+
4556	17.9x20	55.5	24	23	15.5	021864

4560 Injection line wrench

Made in Germany

- Application: Installing and removing the **injection lines** (*s* 17 mm)
- On e.g. **VW, AUDI** diesel engines:
  1.6 l 4-cylinder, 2.0 l 5-cylinder, 2.4 l 6-cylinder
- Also suitable for the operation of the **exhaust temperature sensor** on **VAG** diesel engines (**VW**, **AUDI**, **SEAT** and **ŠKODA**) up to Euronorm 5
- Surface: chrome-plated



HAZET No.	s mm	l mm	EAN-No. 4000896+
4560	17x17	221	021918

Components and spare parts
from page 482 to 490

4561 Injection pump wrench

Made in Germany

- Application: Operating **fastening screws** (*s* 13 mm) **at the injection pump,** when replacing the toothed belt or adjusting the injection start
- One-sided box-end wrench
- On 1.6 l 4-cylinder diesel engine **AUDI**, **VW** Golf, Jetta, Caddy, Passat, **CITROËN**
- Surface: chrome-plated



HAZET No.	*s* mm	*l* mm	EAN-No. 4000896+
4561	13	165	021925

4561 Turbo charger wrench

Made in Germany

- **One-sided box-end wrench for operating the fitting**

- Problem: Very special screw connection that is not within reach of normal tools. **Solution:** This special curved box-end wrench allows the operation of the lower screw connection of particulate filters on turbo chargers
- For: **AUDI** A4 (B5 · B6 · B7 · B8) · A6 (C5 · C6 · C8)
  VW Passat (3B · 3BG · B6) with 1.9 l and 2.0 l pump injector engine and particulate filter
- Also for holding the screw connections at the y-pipe on **VW/AUDI** *s* 12 mm
- Surface: chrome-plated



HAZET No.	*s* mm	*l* mm	EAN-No. 4000896+
4561-12	12	165	190485

4501 Fuel line pliers

Made in Germany

- Application: Operation of the **quick-release covers with light pressure on the fuel line as well as tank aeration**
- On **FIAT / ALFA ROMEO / LANCIA** vehicles with 1.3 l – 1.9 l – 2.4 l diesel, **CHRYSLER** · **RENAULT**
  OPEL (Diesel): Vectra C/Signum 1.9 l Diesel · Astra H 1.3 l and 1.9 l · Corsa C / Combo / Meriva 1.3 l
  OPEL (petrol): Corsa C · Astra G · Vectra C
- Plastic handle





YouTube Clip

HAZET No.	*l* mm	EAN-No. 4000896+
4501-1	155	058624

4501 Fuel line pliers

Made in Germany

- **Simple operation of quick-release catches**

- Application: For use when replacing the fuel filter or performing repair work on the engine
- For e.g. **MERCEDES-BENZ** · **VW-AUDI** · **FIAT** · **OPEL/VAUXHALL** · **CITROËN**
- **Volvo** D13 · D16 · **MAN** D3876 LF · D1556 LF · D2676 LF and **SCANIA** engines
- **CLAAS** agricultural machinery with MAN engine
- AdBlue lines and AdBlue injection nozzle
- Straight design
- Ergonomically shaped HAZET 2-component plastic handle covers (blue/black)

YouTube Clip



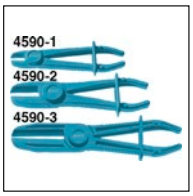
HAZET No.	*l* mm	EAN-No. 4000896+
4501-2	235	203499

4590 Flexible hose clamp

- **Clamping flexible hoses**

- Firm fixation with clamp ring
- Made of high-quality plastic





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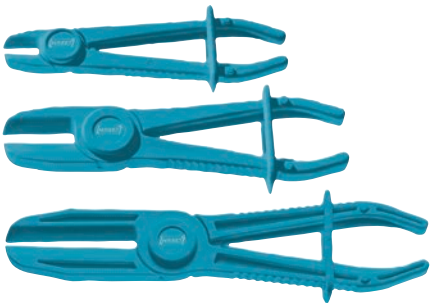
HAZET No.	*l* mm	EAN-No. 4000896+
• For heating and fuel hoses up to 15 mm ∅		
4590-1	150	021932
• For hoses up to 30 mm ∅		
4590-2	180	021949
• For e.g. cooling liquid hoses up to 60 mm ∅		
4590-3	253	055753

4590 Flexible hose clamp set

- **Clamping flexible hoses**



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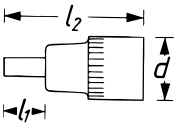
HAZET No.		EAN-No. 4000896+
4590/3	3	058266

2584-1 Intake pipe screwdriver socket

Made in Germany

- Application: Intake manifold screw connection
- **Extra long design**
- With knurling





HAZET No.	s mm	l_1 mm	l_2 mm	EAN-No. 4000896+
2584-1	6	210	248	017058

4591 Pipe stopper set

- **Sealing of pipes and preventing fluids from escaping**

- Application: Sealing pipelines in brake systems, air conditioning systems, power steering and fuel systems that cannot be secured with a flexible hose clamp
- Sealing in sizes of 6.3 mm (¼″) · 8 mm (5⁄16″) · 10 mm (⅜″) and for double sealing (e.g. banjo connections) in sizes of 10 mm (⅜″)



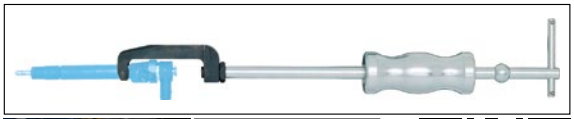
HAZET No.	EAN-No. 4000896+
4591/4	219650

4797 Injector extractor

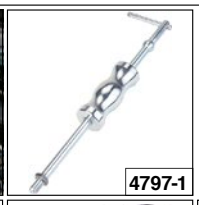
Made in Germany

- Application: For disassembly of tight common rail injectors **without** removing the cylinder head









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►

4797 Injector extractor

◄

HAZET No.	l mm		EAN-No. 4000896+
• For e.g. **MERCEDES-BENZ CDI engines 611 · 612 · 613** etc.			
• Especially suitable for the limited spaces due to the cylinder head cover			
4797/2	460	2	121205
• **Impact extractor**			
• M 16 x 1.5			
• Striking weight: 1.8 kg			
4797-1	460	–	121175
• **Injector claw**			
• M 16 x 1.5			
4797-2	130	–	121182
• **External adapter** with inside thread M16 x 1.5 on M27 x 1			
• Removal of **Bosch** injectors with outside thread M27 x 1			
• In conjunction with impact extractor 4797-1			
• **Operating mode:** The External Adapter must be used when the injector claw cannot be used, either because of the vehicle type or because of the lack of space. Note: after removing the injector with the external adapter, replace the injector			
4797-3	50	–	121199
• **Piezo injector claw**			
• Removal of Piezo injectors on **MERCEDES-BENZ** engines OM 651			
• The design of the injector claw, tuned to the injector, ensures optimal reception of the injector during operation			
• **MERCEDES-BENZ**: A-class type 176 · B-class type 246 · C-class type 204, 205 E-class type 212 · S-class type 221, 222 · V-class type 639, 447 CLA type 117 · GLA type X156 · GLK type X204 CLS type 218 · ML type 166 · SLK/SLC type 172 · GLC type X253			
• Operation with the HAZET impact extractor 4797-1			
• Inside thread: M16 x 1.5 mm			
4797-9	54.5	–	206667

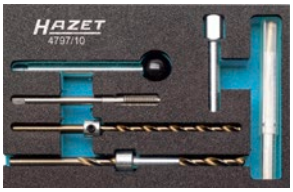
4797 Thread repair tool set for injector fastening screw

- For **MERCEDES-BENZ** CDI engines. Suitable for reaming the broken-off expansion bolt M6 x 1 from the cylinder head **without** removing the valve cover
- Enormous money and time saving as the replacement of cylinder head and the removing of injectors and valve covers is not necessary
- Damaged thread is reworked to M 8 x 1

Contents:
1 twist drill 6 mm with spacer sleeve
1 tap M 8 x 1
1 drill sleeve
1 twist drill 7 mm with spacer sleeve and guide tube
1 knob for screwing
5 threaded inserts M 6 x 1

- Plastic box 165-S (1/9)
- Safety-Insert-System, 2-component soft foam insert.
  Insert also suitable for HAZET Assistent

YouTube Clip







1/9

HAZET No.	L x W x H mm		EAN-No. 4000896+
4797/10	185 x 153 x 52	10	191505
• **Threaded inserts** · 5 pieces M 6 x 1 for 4797/10			
4797-M 6 x 1/5	–	5	192441

Components and spare parts
from page 482 to 490

Cooling System / Hose Connection

798 Hose clamp pliers

Made in Germany

- Application: Simple hose clamps, e.g. on washing machines
- **Rotating jaws** – for areas with restricted access
- Surface: chrome-plated





HAZET No.	l mm	sb mm	EAN-No. 4000896+
798	206	40	031832

Made in Germany

- **Locking device, adjustable jaw opening**

- Application: Simple hose clamps
- **Rotating jaws** – for areas with restricted access
- Surface: chrome-plated





HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-1	285	45	031900

798 Clic hose clamp pliers

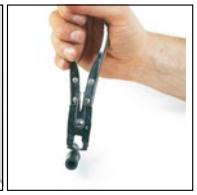
Made in Germany

- Application: Reusable CLIC type hose clips on fuel lines
- On e.g. **VW · AUDI · OPEL · PEUGEOT and ALFA ROMEO**
- Open and close easily by turning the pliers by 180°
- Fixed jaws, bent 90°

YouTube Clip









HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-2	175	20	051397

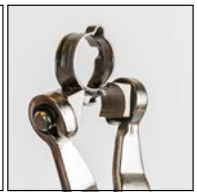
798 Hose clamp pliers

Made in Germany

- Application: Operating reusable **CLIC hose clips**
- **AUDI · VW · OPEL/VAUXHALL · PEUGEOT · SMART** and **MERCEDES-BENZ**
- Open and close easily by turning the pliers by 180°
- **Rotating jaws** – for areas with restricted access
- Surface: nickel-plated







HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-3	206	35	102433

Made in Germany

- Application: Self-gripping spring band hose clamps
- **Rotating jaws** – for areas with restricted access





HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-4	205	35	031948

Made in Germany

- Application: For **spring band hose clamps,** e.g. on **VW, AUDI and OPEL/VAUXHALL**
- **Rotating jaws** – for areas with restricted access





HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-5	210	6–40	031955

Made in Germany

- Application: For **spring band hose clamps 12 and 15 mm width,** 13 – 22 mm ∅
- **Rotating safety jaws**



►

798 Hose clamp pliers




YouTube Clip

HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-6	235	39	031962

Made in Germany

- **Self-adjusting joint allows easy working even on spring band hose clamps with large diameter**

- Application: For **self-gripping spring band hose clamps, 12 and 15 mm width**
- With locking device
- Self-adjusting joint
- **Rotating safety jaws**
- Handles with dip coating






HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-8	290	45	076697

Made in Germany

- **With locking device**

- Application: Especially for spring band hose clamps **12 and 15 mm width** e.g. cooling and heating system
- **Rotating jaws, bent 110°** – for areas with restricted access
- Handles with dip coating






YouTube Clip

HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-9	250	60	072163

798 Hose clamp pliers

Made in Germany

- **With locking device**

- Application: For spring band hose clamps – especially **for 12 mm and 15 mm spring band hose clamps** e.g. on **OPEL/VAUXHALL, VW, FORD, RENAULT, FIAT, PEUGEOT, CITROËN, PORSCHE, ALFA-ROMEO, MERCEDES-BENZ, SMART**
- Adjustable jaw opening
- Fixed jaws






HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-10	320	90	031917

Made in Germany

- **With locking device**

- Application: Self-gripping spring band hose clamps
- Adjustable jaw opening
- Handles with dip coating



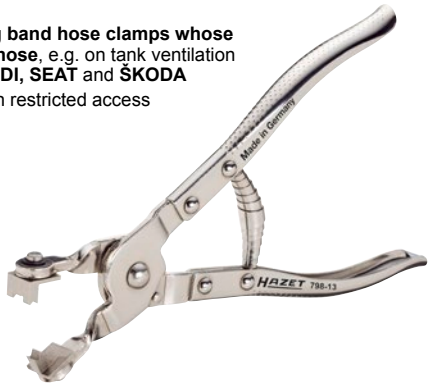



HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-12	320	80	031931

Made in Germany

- **For use in areas with restricted access where the clamp cannot be reached straight forwardly**

- Application: **Operating spring band hose clamps whose three ends fit tightly on the hose**, e.g. on tank ventilation lines and fuel lines on **VW, AUDI, SEAT** and **ŠKODA**
- **Rotating jaws** – for areas with restricted access





HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-13	192	27	155248

Components and spare parts from page 482 to 490

798 Hose clamp pliers

Made in Germany

- Application: Operation of spring band hose clamps whose three ends fit tightly on the hose
- For e.g. on fuel lines and tank ventilation lines on **VW · AUDI · SEAT · ŠKODA**
- Surface: nickel-plated





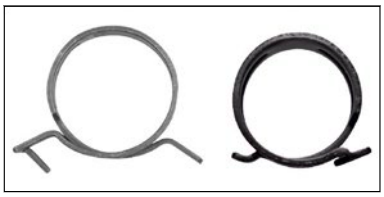
HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-14	177	8–20	109128

Made in Germany

- **Bowden cable (610 mm) enables application in areas with restricted access where the application of usual hose clamp pliers is not possible**

- Application: Operation of self-gripping spring band and space-saving hose clamps *sb* 7 – 60 mm ∅, e.g. on the cooling and heating systems
- **One-hand operation thanks to automatic toothed fixing device**
- Sliding guide device with integrated tension spring and adjustable reversible plate
- Handles with dip coating





HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-15 A	875	7–60	097258
• **Bowden cable · complete** Bowden cable · coating · 2 headless screws · spring **for 798-15 A**			
798-0151 A	–	–	097753
• **Bowden cable** for 798-15 A and B			
798-0152 A	–	–	097760
• **Sliding guide device** for 798-15 A and B			
798-0153 A	–	–	097784

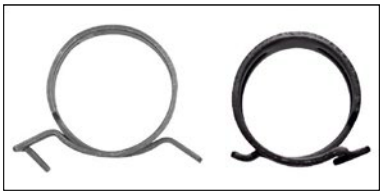
798 Hose clamp pliers

Made in Germany

- **Particularly suitable for areas with severely restricted access where the direct application of usual pliers is not possible**

- Application: Operating self-gripping spring band and space-saving hose clamps on the cooling and heating system
- **Plastic-coated, semi-flexible Bowden cable**
- The Bowden cable enables working without a guiding hand
- Sliding guide device with integrated tension spring and adjustable reversible plate
- **One-hand operation thanks to automatic toothed fixing device**
- Handles with dip coating





HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-15 B	875	7–60	117727
• **Flexible hose** for 798-15 B			
798-0150 B	–	–	142439
• **Bowden cable** for 798-15 A and B			
798-0152 A	–	–	097760
• **Sliding guide device** for 798-15 A and B			
798-0153 A	–	–	097784

Made in Germany

- **Reinforced bowden cable and sliding guide device**

- Application: **Special clamp with parallel clamp ends**, e.g. at the charge-air cooler connection on **VW** Passat or T5
- Bowden cable enables application in areas with restricted access
- Toothed fixing device and one-hand operation
- Fixing device is released by pressure lever
- Handles with dip coating







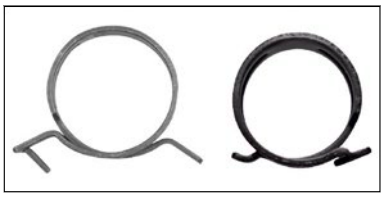
HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-16	875	3–50	149032
• **Bowden cable** for 798-16			
798-0162	–	–	149056
• **Sliding guide device** for 798-16			
798-0163	–	–	149063

798 Hose clamp pliers

Made in Germany

- Application: Operation of self-gripping **space-saving hose clamps** on coolant and fuel hoses in the entire vehicle area, in particular on **VW, AUDI, SEAT, ŠKODA**
- **Rotating jaws** – for areas with restricted access



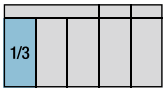


HAZET No.	l mm	sb mm	EAN-No. 4000896+
798-17	210	40	186068

798 Hose clamp pliers set

Made in Germany

- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent





HAZET No.	L x W mm		EAN-No. 4000896+
798			
798-3 • 798-13 • 798-17			
163-425/3	342x172	3	202614

4562 Operating tool Henn clamps

Made in Germany

- **Handle shift of 90° enables operation even on Henn clamps that are difficult to access**

- Application: Proper operation of Henn clamps on cooling water and charging air hoses









Components and spare parts from page 482 to 490

4562 Operating tool Henn clamps

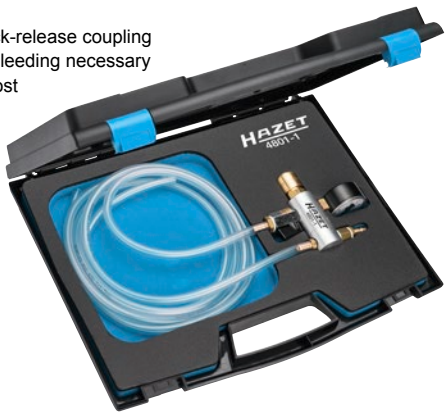
HAZET No.	l mm	EAN-No. 4000896+
• Henn clamps with **2 operating openings** on the stop spring • Width: 20 mm (in the functional range)		
4562-1	100	222353
• Henn clamps with **1 operating opening** on the stop spring • Width: 20 mm (in the functional range)		
4562-2	99	235476

4801 Vacuum radiator filler

Made in Germany

- **Suitable in conjunction with the single and universal adapters from HAZET radiator tester program 4800 or with an appropriate rubber cone of the set 4801-2/3**

- Application: Vacuum leakage test before refilling the cooling system
- Bubble-free refilling
- Easy application due to quick-release coupling
- Time-saving, no additional bleeding necessary
- Application possible on almost all types of vehicles
- Including application note



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HAZET No.	EAN-No. 4000896+
4801-1	148806

4801 Cone set for radiator / expansion tank

Made in Germany

- **Universal set suitable for radiator / expansion tank**

- Can be used together with vacuum radiator filler HAZET 4801-1 · 4802-1
- Due to the vacuum generated in the cooling system the rubber cone is stuck firmly in the radiator or expansion tank opening

3-piece set, contents:
3 rubber cones with functional ∅ 17–31 / 24–39 / 34–50 mm





YouTube Clip

HAZET No.		EAN-No. 4000896+
4801-2/3	3	152407

Diagnostics

Product applications

Classification radiator adapter
hazet.de → Service → Tool Finder
→ Classification radiator adapter 4800
◀ For Smartphones with QR reader (app)

4800 Radiator tester

Made in Germany

- Application: Checking for leakage in cooling systems and heating circuits
- Classification to vehicle types: **www.hazet.de → Service → The Tool Finder → Radiator adapters 4800**
- Plastic box
- Application on **AUDI** A2 · A3 · A4 · A5 · A6 · A7 A8 · TT · **VW** Passat · Golf 4 · 5 · Lupo (model year 1998 →) · Vento · Jetta · EOS · Bora · T5 · **CITROËN** C2 · C3 · C4 · C5 · C6 · C8 · Jumper · Jumpy · **FIAT** Tipo · Tempra · **MERCEDES-BENZ** type 202 / 203 (C-Class) · 124 / 210 (E-Class) · 129 / 220 (S-Class) · 251 (R-Class) · 164 (M-Class) · **NISSAN** Micra · **OPEL/VAUXHALL** Vectra C · Astra H · Zafira A · Meriva · Signum · Corsa · **PEUGEOT · RENAULT** Safrane · Mégane · Laguna · Twingo · Trafic · Master · **SEAT** Arosa · Córdoba · Ibiza · Toledo · León · **ŠKODA** Octavia · Fabia · Roomster

Contents:
4800-1 · 4800-2
4800-4 A · 6 A · 12 A · 15 · 17



HAZET No.		EAN-No. 4000896+
4800/7	7	132874

Made in Germany

- Application: Checking for leakage in cooling systems and heating circuits
- Classification to vehicle types: **www.hazet.de → Service → The Tool Finder → Radiator adapters 4800**
- Plastic box
- Contents
  4800-1 · 4800-2
  4800-3 · 4 A · 5 A · 6 A · 7 A · 8 A · 12 A · 13 A · 17 · 22 · 23





HAZET No.		EAN-No. 4000896+
4800/12	12	165483

4800 Cooling pump

Made in Germany

- Application: Checking for leakage in cooling systems and heating circuits
- Use with radiator adapters of series HAZET 4800

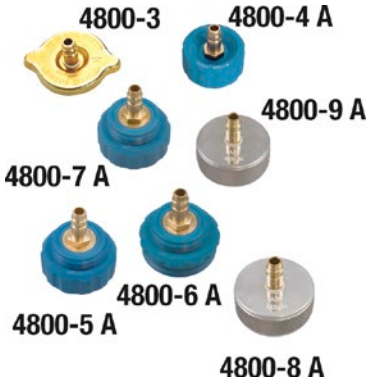


HAZET No.		EAN-No. 4000896+
• **Cooling pump** • Quick coupler connection • Self-testing function • Up to 2.5 bar		
4800-1		022243
• **Intermediary piece,** flexible hose		
4800-2		022274

4800 Cooling pump and adapter

Made in Germany

- Application: Checking for leakage in cooling systems and heating circuits
- Threads adjusted exactly to opening of the expansion tank (bayonet fitting on 4800-3 · 10 · 11 · 16 · 22 · 23)
- Coupling nipple for connection to the quick coupling connection of the cooling pump 4800-1 and intermediary piece 4800-2 or vacuum radiator filler HAZET 4801-1 and 4802-1



HAZET No.	EAN-No. 4000896+
Radiator adapter STANDARD (with bayonet fitting) for: • **Passenger car:** – **FIAT** – **KIA** – **MERCEDES-BENZ** Vito · Viano · Solaris – **MITSUBISHI** – **PORSCHE** – **SUZUKI** Vitara · Samurai • **Commercial vehicles / agricultural machinery:** – **AMAZONE** Pantera – **CASE** Magnum, Quadtrac – **CLAAS** Jaguar, Lexion, Scorpion, Ares, Atles, Ceres, Arion – **DAF** 45 model year 05/1991 → 12/2000 – **DOOSAN** Wheel excavator S · Caterpillar excavator DX – **FENDT** – **KAESER** Mobilair – **LIEBHERR** A308-316 – **MASSEY FERGUSSON** with tank number 180224M92 and 4296015M1 – **NISSAN** forklifts – **PUTZMEISTER** BSA 1409 – **SCANIA** Vabis	
4800-3	022281

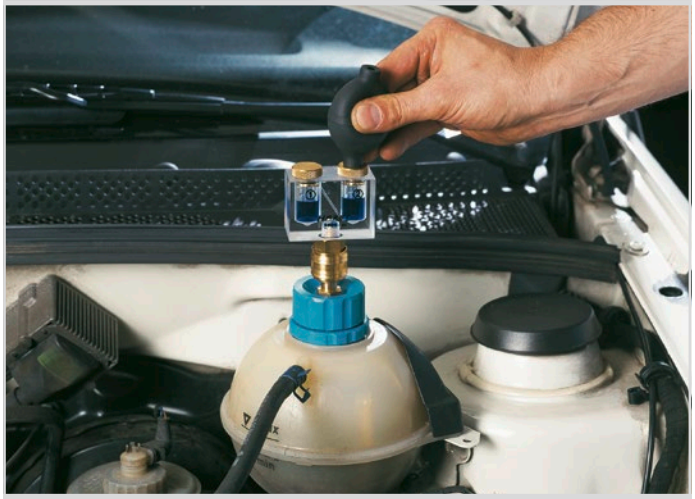
▶

4800 Cooling pump and adapter

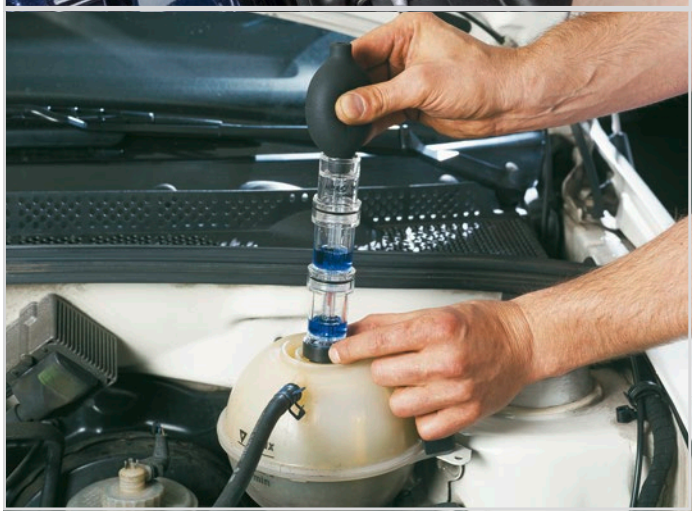
◀

HAZET No.	EAN-No. 4000896+
Radiator adapter (simultaneously serves as an adapter for HAZET radiator adapter without connecting nipple) for: • **Passenger car:** – **ALFA ROMEO** 147 · 164 · 166 · GT · Mito – **CITROËN** Berlingo model year 1998 → · C1 HDi · C2 · C3 · C4 · C5 · C6 · C8 · Jumper · Jumpy · Nemo · Picasso – **DACIA** Dokker · Duster · Lodgy · Logan · Sandero – **FERRARI** threaded port – **FIAT** 500 model year 2007 → · Bravo · Dobló · Ducato · Fiorino · Grande Punto · Idea · Linea · Multipla · Panda · Punto · Qubo · Scudo · Seicento · Stilo · Tempra · Tipo · Ulysse – **FORD** Ka model year 2009 → – **LANCIA** Delta · Musa · Phedra · Thesis · Ypsilon – **LAND ROVER** Defender TD5 · Freelander 2.0 DI – **MASERATI** threaded port – **MERCEDES-BENZ** Citan – **MINI** Mini model year 2007 → – **MITSUBISHI** Carisma D model year → 2003 · Space Star D – **NISSAN** Interstar · Kubistar · Micra · Primastar · Quashqai – **OPEL** Combo D · Crossland X · Grandland X · Movano · Zafira Life – **PEUGEOT** 206 · 207 · 307 model year 2004 → · 308 · 406 · 807 model year 2004 → · Expert · Partner – **RENAULT** Avantime · Espace · Master · Mégane · Laguna · Trafic · Twingo – **Volvo** 850 · 960 · C 70 model year → 2007 · S 40 model year → 2003 · S 60 model year → 2007 · S 80 model year → 2007 · V 40 model year → 2003 · V 70 model year → 2007 · XC 90 model year → 2007 • **Commercial vehicles / agricultural machinery:** – **CASE** CVX · Maxxum · Optum · Puma CS, SBS, LBS – **CLAAS** Arion · Axion – **DEUTZ** Engines 3.6 PowerPack · BF6M1013FC · TCD2013L6 2V and 4V · Genset 250kVA – **FENDT** Vario model year 2000 → · L series combine harvesters – **FIAT** M100 · 115 · 135 · 165 – **HATZ** 4H50tic – **IVECO** Eco Daily with blue lock – **NEW HOLLAND** T6 · T7, T7 Elite Pack · TVT	
4800-4 A	156504
Radiator adapter for • **Passenger car:** – **AUDI** – **PORSCHE** 986 · 987 · 996 · 997 · Cayman 987c1 · Carrera GT – **SMART** For Two · Roadster – **VW** Golf 2 · Transporter T3 • **Commercial vehicles / agricultural machinery** – **COMPAIR** Mobile compressor with VW expansion tank – **FENDT** Farmer 300 model year 1988 → · Type 500 · Type 700 · Vario model year 1988 → – **LINDE** forklifts – **RENAULT** Midlium model year 01/2000 → 12/2013 – **PUTZMEISTER** BSA 1407D · BSA 2110 HP-D – **Volvo** FE model year 05/2006 → · FL model year 03/2000 →	
4800-5 A	161843
Radiator adapter for • **VW** Passat · T4 · Lupo model year 1998 → **SEAT** Arosa · Córdoba · Ibiza model year 1999 → **SEAT** Vario and Léon model year → 1998 **ŠKODA** Octavia model year → 1998	
4800-6 A	161850
Radiator adapter for • **Passenger car:** – **CHEVROLET** – **DAEWOO/CHEVROLET** – **FORD** Ka · Focus model year → 2007 · Fusion · Mondeo – **OPEL/VAUXHALL** Agila · Zafira A • **Commercial vehicles / agricultural machinery:** – **MAN** Tga · L 2000	
4800-7 A	161867
Radiator adapter for • **BMW** 3-series → model year 2008 · 5-series → model year 2003 · 5-series (E60) Diesel · 7-series → model year 2001 · X3 → model year 2010 · X5 → model year 2013	
4800-8 A	161874
Radiator adapter for • **BMW** 3 Series model year → 2000 · Z1 · Z3 · Z4 model year → 2013 **ROVER** Range-Rover	
4800-9 A	161881









Components and spare parts from page 482 to 490

4800 Radiator adapter

Made in Germany

- Application: Checking for leakage in cooling systems and heating circuits

Extended range for existing radiator tester HAZET 4800

- Threads adjusted exactly to opening of the expansion tank
- Coupling nipple for connection to the quick coupling connection of the cooling pump 4800-1 and intermediary piece 4800-2 or vacuum radiator filler HAZET 4801-1 and 4802-1



HAZET No.	EAN-No. 4000896+
Radiator adapter (with bayonet fitting) for • **RENAULT**	
4800-10	022250
Radiator adapter (with bayonet fitting) for • **SMART** For Four · **FORD** · **KIA** • Japanese vehicles	
4800-11	022267
Radiator adapter for • **AUDI** A1 (model year 2010 →) · A2 · A3 · A4 · A5 model year 2007 → · A6 · A8 · TT · Q5 · Q7 · R8 **VW** Passat B5 · Eos · Bora · T5 · LT · Golf 4 · 5 · 6 · 7 · Vento · Jetta **SEAT** Toledo · León **ŠKODA** Octavia · Fabia model year 1998 → · Roomster · Superb **PORSCHE** Cayenne · Panamera · Cayman 718 **MULTICAR** M27	
4800-12 A	161898
Radiator adapter for • **VW** Sharan **FORD** Galaxy **SEAT** Alhambra	
4800-13 A	161904
Radiator adapter for • **MERCEDES-BENZ** Type 168 · 169 (A-Class) · 245 (B-Class) · CDi · 220 · 129	
4800-14	079018
Radiator adapter for • **MERCEDES-BENZ** Type 202 / 203 (C-Class) · Type 204 (C-Class) Type 124 / 210 / 211 (E-Class) · Type 129 / 220 (S-Class) · Type 164 (M-Class) · Type 251 (R-Class) Sprinter model year 2018 →	
4800-15	079025

▶

4800 Radiator adapter

◀

HAZET No.	EAN-No. 4000896+
Radiator adapter (with bayonet fitting) for • **Passenger car:** – **MINI** model year 2001 → – **MERCEDES-BENZ** SLK · CLK · Sprinter model year 1999 → type 170 · 208 · 611 and W124 model year 1984 → 1993 • **Commercial vehicles / agricultural machinery** – **DEUTZ** Engines KHD1015 · D2008 · D2009 · TD2.9 L4 · TCD3.6 · BFM1013 · BFM2012 · TCD2013 2V · BFM1015 · TCD2015 V8 · V6 · M · TCD 12.0 and 16.0	
4800-16	098507
Radiator adapter for • **OPEL/VAUXHALL** Vectra C · Astra H · Astra J · Astra K · Meriva · Signum · Corsa D · Insignia • **FIAT** 500X • **JEEP** Compass · Renegade • **ALFA ROMEO** Giullia · Stelvio • **JOHN DEERE** – Tractors 5 Series · 6 Series · 7 Series · 8 Series · 9 Series – Forage Harvester 8000 · 9000 Series – Self-Propelled Sprayer R4040 · R4050 · R4140 · 4150 – Windrower W170 – Cotton Picker CP690 – Excavator 160DLC – Crawler Dozer 700J – Wheel Loader WL53 · WL56 • **HITACHI** excavator ZAXIS 6 • **HAGIE** STS 10 · 12 · 14 · 16	
4800-17	109661
Radiator adapter for • **MERCEDES-BENZ** Sprinter model year 2006 → · Viano model year 2003 →	
4800-18	128815
Radiator adapter for • **VW** Crafter · **MAN** TGE	
4800-19	128822
Radiator adapter for • **MAZDA** 3 **Volvo** C30 · S40 model year 2004 → · V50 **Volvo commercial vehicles** Scraper tractor dumpers **FORD** Focus model year 2008 → · Fiesta model year 2008 → · C-Max · Galaxy model year 2006 → · Kuga and S-Max	
4800-21 A	162185
Radiator adapter (with bayonet fitting) for • **CITROËN** C1 **DAIHATSU** Cuore L201 · L501 · Move L601 **MAZDA** 121 · Demio **MITSUBISHI** Grandis model year 2004 → · L400 · Pajero Pinin / Sport · Space-Gear · -Runner · -Wagon **PEUGEOT** 107 model year 2006 → **ROVER** 600 **SUBARU** B9 Tribeca · Justy **SUZUKI** Alto **TOYOTA** Aygo model year 2006 → · Celica · Corolla · Rav 4 · Starlet · Yaris	
4800-22	144266
Radiator adapter (with bayonet fitting) for • **DAIHATSU** Standard **HONDA** Accord · Civic · Legend **HYUNDAI · ISUZU commercial vehicles · KIA** **MAZDA** 323 · 626 model year → 2002 · 6 · MX5 · Premacy model year 2000 → · RX8 **MITSUBISHI** Carisma · Eclipse · Galant · Lancer · Outlander · Pajero · Sigma · Spacewagon D model year 2003 → **MITSUBISHI commercial vehicles** Fuso Canter **NISSAN** 350Z · Almera · Maxima · Micra model year → 2004 · Terrano 2 · X-Trail · Forklifts **TOYOTA** Avensis · Carina E **SUZUKI** Baleno · Wagon-R **SUBARU** Forester · Impreza · Legacy · Outback **OPEL/VAUXHALL** Agila 1.0 and 1.2 l and **SMART** Forfour **YALE** GDP/ GLP 16-30	
4800-23	144273
Radiator adapter for • For **BMW**: 1 Series (E87/F20) · 2 Series (F22) · 3 Series (F30) · 3 Series GT (F34) · 4 Series (F32/F33) · 5 Series model year 6/2003 → (E60/F12) · 5 Series GT (F07) · 6 Series model year 2004 → (E63/F12) · 7 Series (E65/F01) · X1 (E84) · X3 model year 2010 → (F25) · X4 model year 2013 → (F26) · X5 model year 2013 → (F15) · X6 (E71) · Z4 model year 2013 → (E89)	
4800-24	203864

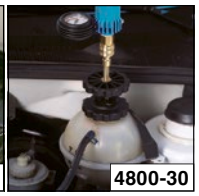
4800 Universal adapter

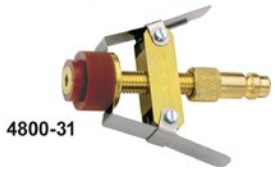
Made in Germany

- Application: Checking for leakage in cooling systems and heating circuits









HAZET No.		EAN-No. 4000896+
• For radiator openings ∅ 20–41 mm • With 3-stage rubber for rough and precise adjustment **4800-30**		078202
• Especially for Japanese vehicles ∅ 18–24 mm • All current **MAZDA** models • V-clamp fastening **4800-31**		078196

4795 Engine leakage tester

Made in Germany

- **Easy application, immediate test result**

- Application: For the diagnosis of engine defects, e.g. on inlet and exhaust valves, pistons/piston rings and cylinder head/cylinder head gasket



HAZET No.	l mm	EAN-No. 4000896+
4795-1	–	083770
• **Adapter for motorcycles** • Thread M12 x 1.25 (outside thread) **4795-11**	–	083787
• **Adapter for motorcycles and diesel engines** • Thread M10 x 1 (outside thread) **4795-12**	–	083794
• **Adapter for diesel engines** • Thread M24 x 2 (outside thread) **4795-13**	–	083800
• **Adapter for VW** diesel engines including 4795-11 • Pin ∅ 7 mm **4795-14**	–	083817
• **Adapter for multi-valve engines** Thread M 14 x 1.25 **4795-15**	165	104345
• **Adapter for multi-valve engines** • Spark plug thread M12 x 1.25 (14 mm spark plugs) **4795-16**	230	215140

4810 C Optical tester

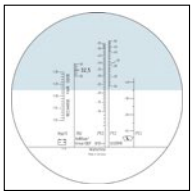
Made in Germany

- **(Refractometer) – Also suitable for G12++, G13, G48, G64, AdBlue**

- Application: For testing the anti-freeze concentration in the cooling water, also suitable for cooling fluids G11, G12++, G12 EVO, G13, G40, G48 and G64
  For testing the quality of AdBlue solution
  For testing the battery acid concentration (state of battery charge)
- Optical tester (refractometer) with integrated lighting (LED) in the lid
- Incl. pipette and operating instructions

Description of scales:
A – state of charge
B – AdBlue concentration
C – anti-freeze concentration
D – screenwash anti-freeze concentration
5 – Light / dark line for reading the scale







HAZET No.	EAN-No. 4000896+
4810 C	186402

4800 Cylinder head leakage tester

Made in Germany

- **For radiator adapter HAZET 4800**

- Application: Safe detection of cylinder head damage and leakages between the combustion chamber and the cooling system on water-cooled combustion engines **gas, diesel, petrol**
- Reaction fluid included



HAZET No.	EAN-No. 4000896+
4800-41	058891
• **Reaction fluid** (250 ml) For HAZET cylinder head leakage tester 4800-41 **4800-041**	108985

4793 Cylinder head tightness tester

Made in Germany

- Application: Detecting cylinder head gasket defects, leaks between the combustion chamber and the cooling system
- For water-cooled combustion engines (gas, diesel and petrol)
- Sheet metal box (HAZET-blue)
- 2-component soft foam insert



HAZET No.	L x W x H mm		EAN-No. 4000896+
4793/3	320 x 128 x 58	3	076192
• Tester **4793-1**	–	–	076185
• Reaction fluid (250 ml) **4793-2**	–	–	076208
• Flushing fluid (250 ml) for cleaning the tester 4793-1 **4793-3**	–	–	076215

Components and spare parts from page 482 to 490

Exhaust System / Lambda Probe

4684 Exhaust equipment tool

- **Hook 40 mm, bent 9°**

- Application: **Installation and removal of rubber retainers of the exhaust systems** e.g. for **FORD** Fiesta, Orion, Escort, **BMW** etc.
- Plastic T-handle
- Surface: chrome-plated



HAZET No.	l mm	EAN-No. 4000896+
4684-1	209	022199

Made in Germany

- **Hook 17 mm, half-round, 20° offset**

- Application: **Installing and removing rubber retainers of the exhaust systems** e.g. for **VW · AUDI · MERCEDES-BENZ · OPEL/VAUXHALL**, Japanese cars etc.
- Plastic T-handle
- Surface: chrome-plated



HAZET No.	l mm	EAN-No. 4000896+
4684-2	209	022205

4682 Chain tube cutter

- **Easy adjustment due to T-screw during cutting process**

- Application: **Cutting of pipes ,e.g.** made of steel (not stainless steel) up to 2.5 mm wall thickness and 75 mm ∅
- Extended cutting diameters are achieved by using extension chain HAZET 4682-01
- Little effort, fixed with **Grip technique**
- Surface: nickel-plated



HAZET No.	l mm	∅ mm	EAN-No. 4000896+
4682	255	15–75	022168
• **Spare chain** for 4682			
4682-01	–	–	022175
• **Replacement set** · 9 pieces for repairing the cutting chain 4682-01 For 4682			
4682-01/9	–	–	057214

4682 Chain tube cutter

- **Easy adjustment due to T-screw during cutting process**

- Application: **Cutting pipes** made of galvanized steel, copper, PVC and aluminium up to a wall thickness of 6 mm and 115 mm ∅
- 15 cutting wheels made of alloyed steel
- Surface: nickel-plated



HAZET No.	l mm	∅ mm	EAN-No. 4000896+
4682-1	315	20–115	149384
• **Spare chain** for 4682-1			
4682-03	–	–	149421

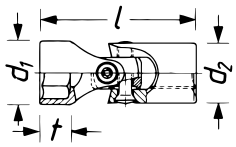
850 LG-GE TORX® socket

Made in Germany

6.3 | 1/4"

- Application: Operation of the oil pan screw connection in the engine and automatic gearbox.
  Removal of the EGR radiator, EGR valve, valve cover etc. in **MERCEDES-BENZ** etc. in the OM 651 engine
  Removal of the gearbox holder no longer required, time saving: approx. 20 minutes
  Much better accessibility to the screw connection on EGR valve and radiator enables further time saving of approx. 15 minutes
- Use and extension permanently connected
- With hinge – for working in areas with restricted access and for getting around obstructive edges
- Surface: chrome-plated, polished





HAZET No.	s	l mm	d_1 mm	d_2 mm	mm	EAN-No. 4000896+
850 Lg-GE 10	E10	150	12	13.5	9.42	223572



4680 Lambda probe socket

Made in Germany

- For **lambda probes** on **NISSAN · FORD · VOLKSWAGEN · SEAT · ŠKODA** etc.
- Optimal fit to the 6-point profile of the lambda probe
- Long design
- Surface: chrome-plated



HAZET No.	s mm	l mm	d_1 mm	d_2 mm	EAN-No. 4000896+
4680-1	22	92	30.4	25	165605

Made in Germany

- Application: For **Lambda probe** (*s* **22 mm) on MERCEDES-BENZ** NOX sensors **MERCEDES-BENZ** Actros MP 5
- Long design
- Surface: chrome-plated



HAZET No.	s mm	l mm	d_1 mm	d_2 mm	EAN-No. 4000896+
4680-2	22	110	36	30	022090

Made in Germany

- **Choice of ☐ drive 12.5 = 1/2" or ⬢ 32 mm**
- Application: For lambda probe (*s* 22 mm) on **VW, AUDI**
- Long design
- Surface: chrome-plated



HAZET No.	s mm	l mm	d_1 mm	d_2 mm	EAN-No. 4000896+
4680-3	22	110	41	34.4	022106

Made in Germany

- Application: Installation and removal of the **lambda probe** (*s* 22 mm)
- On e.g. **FORD · BMW · OPEL/VAUXHALL · VW · AUDI · SEAT and ŠKODA**
- Double ☐ drive 12.5 = 1/2" or operation with hexagon drive *s* 30 mm
- Blister packed
- Surface: phosphatized, oiled

YouTube Clip



HAZET No.	s mm	EAN-No. 4000896+
4680-5	22	057870

Gearbox

2174 Clutch centring tool

- **No need to centre the clutch plate over the needle bearing**

- Application: Precise centring and installation of the clutch plate to the clutch pressure plate
- Quick and easy installation
- Also suitable for vehicles **without** clutch guide bearings
- For passenger cars and lightweight commercial vehicles
- With 2 collets:
  size 1 = 15-21 mm ∅
  size 2 = 21-28 mm ∅
- Plastic with metal tightening screw





HAZET No.	EAN-No. 4000896+
2174	013609

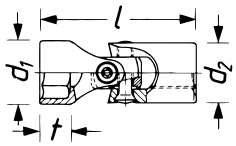
880 GZ Universal joint socket · 12-point

Made in Germany

- Application: Operation of gearbox fitting (12-point screws) on **AUDI** vehicles model year 2008 → e.g. A4, A5, A6, A7, A8, Q5, Q7
- With hinge – for working in areas with restricted access and for getting around obstructive edges
- With locking ball
- Surface: chrome-plated, polished



YouTube Clip



HAZET No.	l mm	d_1 mm	d_2 mm	t mm	EAN-No. 4000896+
880 G-Z 16	45.8	22	19	10	203734
880 G-Z 18	46.8	24.5	19	11	203529

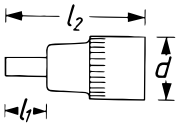
2756 Screwdriver socket

Made in Germany

- **Blade length of the TORX® screwdriver socket is precisely adapted to the available spatial conditions, screwing in a linear motion is thus achieved and the socket is not in direct contact with the cardan shaft flange**



- Application: Operation of the cardan shaft screw connection on the gearbox of **MERCEDES-BENZ** GLC (X253) model years → 2015, GLC Coupé (C253) model years → 2016 with 4Matic
- With locking ball
- Surface: TiN



HAZET No.	s	l_1 mm	l_2 mm	d mm	⬢ mm	EAN-No. 4000896+
2756-T 60	T60	65	103	24.6	13.25	204243

Components and spare parts from page 482 to 490

Oil Service

Overview of oil filter wrench

HAZET No.	Design Points / Grooves	Oil filter ∅ mm	Oil filter wrench ∅ mm	Insert Depth Wrench mm	Total height mm	Drive ∅ mm	Drive □	Page
2168-46	6-Point	46	59	15	29.5	–	7	469
2169	14-Point	74.4	82	30	52	27	7	410
2169-1	15-Point	92	102	19	48	27	8	410
2169-6	16-Point	86.7	97	44.5	55.5	24	8	411
2169-7	14-Point	64	76	23	43	24	8	411
2169-8 A	15-Point	74	90	–	38	–	8	412
2169-9	15-Point	105	119	36	52	24	8	470
2169-10	14-Point	74.4	82	20	42	27	7	410
2169-11	14-Point	84	97	30.5	48.5	24	8	411
2169-12	15 Grooves	74.7	90	–	38.4	–	8	412
2169-13	14-Point	80	107	–	38	–	8	411
2169-32	6-Point	32	43	18	30	–	7	411
2169-36	6-Point	36	49.5	15.2	29.5	–	7	411
2169-66	6 Grooves	66	76	23.5	43.5	24	8	411
2169-76	6 Grooves	76	85	21	42	24	8	411
2169-76 B	6 Grooves	76	85	21	42	24	8	412
2169-76 K	6 Grooves	76	85	14.5	34	24	8	411
2169-86	9 Grooves	86	97	24.5	44	24	8	411

Product applications

Oil Service
hazet.de → Service → Tool Finder → Oil Service
◄For Smartphones with QR reader (app)

2169 Oil filter wrench

Made in Germany

- Application: Operating oil filters and oil filter housing caps
- **14-point** *s* **74.4 mm**
- □ Drive 10 = 3/8" or outside hexagon: 27 mm



360°



2169



2169-10

HAZET No.	⬢ mm	∅ mm	EAN-No. 4000896+
• **For MANN and KNECHT filters · OPEL/VAUXHALL Longlife filters** e.g. for **MERCEDES-BENZ** passenger cars with 2.2 l CDI engine · M 102 · M 103 · M 104 · M 110 · M 111 · M 119 · M 120 · M 613 · Sprinter · 2.2 l Turbo model year 2006 → · diesel engine OM 651 **AUDI** A4 2.0 model year 2002 → · A4 4-cylinder petrol engines model year 12/2007 → **BMW** passenger cars · **BMW** motorcycles · K-models = K 75-1100 LT · Model series F and K **VW** Passat 1.9 TDI pump injector · Passat B7 1.4 · 1.8 · 2.0 l TSI · Golf Plus 2.0 model year 2005 → · Golf 6 1.6 l and 1.2 / 1.4 / 1.8 / 2.0 l TSI · Golf 7 1.2 - 1.4 l TFSI · Polo 5 1.2 l – 1.4 l TSI · Tiguan model year 2007 → 1.4 l TSI (110 kW) 2.0 l TSI as well as **FORD · OPEL/VAUXHALL · PORSCHE · PEUGEOT · CITROËN · RENAULT · NISSAN · TOYOTA · MAZDA** etc.			
2169	27	82	013340
• Operating the **oil filter housing cap** when changing the oil filter element on **MAZDA** 3 with 2.0 l engine and 6 with 1.8–2.0–2.3 l engines • Flat style: **continuous 14-point profile up to the edge**			
2169-10	27	82	108831

2169 Oil filter wrench

Made in Germany

- **Optionally, □ drive 12.5 = 1/2" or outside hexagon 27 mm**

- Application: Operation of **oil filters (KNECHT and MAHLE filters) 15-point** *s* **92 mm**
- For e.g. **VW · AUDI** Passat 1.9 TDi · 2.8 l · **CHRYSLER** 300 M · **PORSCHE · OPEL/VAUXHALL · RENAULT · FORD** Focus 1.8 Di model year 08/1999 → · 1.8 TDi model year 10/1998 → · Maverick 2.7 TD · Mondeo 2.5 l · **MITSUBISHI · NISSAN · ALFA-ROMEO · HONDA · Volvo · MAN** (commercial vehicles) F 2000





HAZET No.	⬢ mm	∅ mm	EAN-No. 4000896+
2169-1	27	102	013357

Made in Germany

- **Forged design**

- Application: Installing and removing **oil filters and oil filter housing caps** when changing the oil filter element
- Surface: chrome-plated



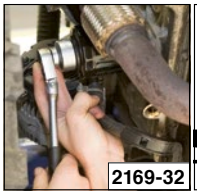
►

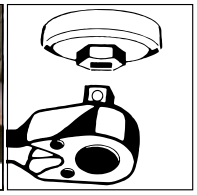
Components and spare parts from page 482 to 490

2169 Oil filter wrench

◀

10 3/8″





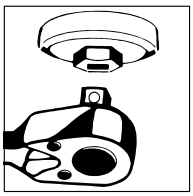
YouTube Clip

HAZET No.	⬢ mm	∅ mm	EAN-No. 4000896+
• **6-point** *s* **32 mm** **OPEL/VAUXHALL** Astra · Corsa · 1.9 l CDTi · Astra 2.0 CDTi **VW** Passat · Golf 6 with 1.6 and 2.0 CR-TDI · Passat B7 1.6 · 2.0 diesel engine · Golf 7 2.0 petrol engine · Polo 5 1.2 l-1.4 l TDI · Polo 1.2 l petrol engines model year 2005→ · Transporter T5 1.9 l diesel model year 2004→ · Touran TDi · Tiguan model year 2007→ 1.4 l (90/118kW) 2.0 l diesel engines · **AUDI** A6 3.2 l TSI · V6 model year 2004→ · A4 diesel from model year 12/2007 **BMW** 530d M57 model year 2008→ For urea solution filter Ad-Blue® **MAN** e.g. TGX			
2169-32	32	43	082346
• **6-point** *s* **36 mm** e.g. for **MERCEDES-BENZ** engine 116 MB · 100 D Transporter · Actros MP 1 · MP 2 · **BMW** M 52-6-cylinder: 3 Series · 5 Series · M 60-8-cylinder: 5 Series · 7 Series · 8 Series · M 73-12-cylinder: 7 Series · 8 Series · 1 Series (E87): 118d · 120d · 1 Series (F20) 118i · **OPEL/VAUXHALL** Vectra B DI 16 V · Insignia · **VW** Lupo 1.2 TDi · Polo 5 1.2 l · Golf 6 1.4 l SRE/TSI · Touareg TDi · T5 2.5 D · Passat B7 3.6 l FSI · **AUDI** 6-cylinder petrol engines model year 12/2007 → For **MAN** fuel filters e.g. TGA			
2169-36	36	50	086566

Made in Germany

12.5 1/2″

• Application: Operating oil filters and oil filter housings made of plastic
• ☐ Drive 12.5 = 1/2″ or outside hexagon: 24 mm





HAZET No.	⬢ mm	∅ mm	EAN-No. 4000896+
• **16-point** *s* **86 mm** • For e.g. **BMW** 316i Limousine Touring · 316ti Compact · 318Ci convertible · Coupé · 318i Limousine Touring · Compact model year 2001 → · 1-series (E87): 116i · 118i · 120i · 130i • **Volvo** V40 · V70 · S40 · S60 · S70 · S80			
2169-6	24	97	100293
• Operation of **oil filters** **14-point** *s* **64 mm** on **TOYOTA** Yaris · Corolla · MR2 model year → 1999 · Starlet · Celica · Avensis **NISSAN** Micra · Almera **MAZDA** 323 · 626 · MX-5 · Xedo **MERCEDES-BENZ** A-Class (type 177), B-Class (type 247) with OM 608 engine **SMART** ForFour (type 454) engine 134 · 135 · SMART Fortwo (type 451) engine 132 · as well as **SUBARU** · **SUZUKI** · **DAIHATSU** Also suitable for **YAMAHA** Super Ténéré XT1200 z · YZF-R1 model year 2007 → · YZF-R6 v2006 → · FZ1-S model year 2006 → · FZ1-N model year 2006 → · FZ6-S model year 2007 → · FZ6-N model year 2007 → **BMW** G310R and G310GS			
2169-7	24	77	100224
• **14-point** *s* **84 mm** Operation of plastic **oil filter housings**, e.g. on **MERCEDES-BENZ** V6 diesel engines OM642 among others for 164 · 203 · 204 · X204 · 210 · 212 · 639 • Operation of fuel filter housing cover on **MERCEDES-BENZ** type 213 with OM 654			
2169-11	24	97	118847

2169 Oil filter wrench

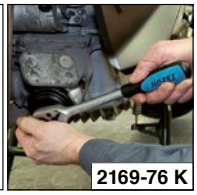
Made in Germany

12.5 1/2″

• Application: Operating **Purflux oil filters**
• ☐ 12.5 = 1/2″ or outside hexagon ⭘ 24 mm









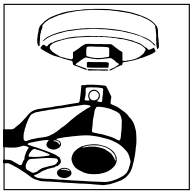
HAZET No.	⬢ mm	∅ mm	EAN-No. 4000896+
• *s* **66 mm groove profile (6 grooves)** • **RENAULT** Clio, Twingo (also operation of the oil filter housing cap) · Kangoo, **FIAT** Punto · Stilo · Brava · Bravo with 1.2 l, **LANCIA** Y 1.2 l, **MAZDA** 323 · 626 · MX 3 · Xedos, **MITSUBISHI** Colt · Carisma · Space Star, **NISSAN** Micra · Primera · Serena, **TOYOTA** Yaris · Starlet, MR 2 · Corolla · Carina · Avensis			
2169-66	24	76	100217
• *s* **76 mm groove profile (6 grooves)** • For e.g. **AUDI** A3 · A4 · A6 · **CITROËN** C5 · Xantia · **DACIA** · **FIAT** Brava · Bravo · Punto · Tipo · **FORD** Fiesta · Escort · **MERCEDES-BENZ** passenger cars and Sprinter · e.g. Citan 1.5 l diesel · **PEUGEOT** 106 · 206 · 306 · 406 · **RENAULT** Clio · Kangoo · Mégane · Laguna · Rapid · **HONDA** Accord · Civic · Prelude · CRX · **OPEL/VAUXHALL** Astra G/F · Corsa A/B · Calibra · Zafira · Frontera · **SUZUKI** Grand Vitara 1.9D model year 2009 **VW** Golf 3 and 4 · Polo · Passat · Sharan · **SEAT** Alhambra · Toledo · León · Córdoba · **ŠKODA** Octavia for **fuel filters** e.g. for **RENAULT** Espace · Laguna · R19 · **Volvo** S 40 and V 40 model year → 1999			
2169-76	24	85	100309
Especially for BMW motorcycles • *s* **76 mm groove profile (6 grooves), reduced height** • For new **BMW** motorcycles R1200 GS · R1200 R · R1200 RT · R1200 ST · model years 2004→2012 • **SMART** 453			
2169-76 K	24	85	158188
• *s* **86 mm groove profile (9 grooves)** • For e.g. **ALFA ROMEO** 145 · 146 · 156 1.9 JTD · 156 2.4 JTD · **VW** Golf 3 · Sharan · Vento · Passat with TDi engine · Lupo · Polo 1.7 SDi · **AUDI** A4 · A6 with TDi engine 85 KW/115 PS · **FIAT** Bravo and Brava 1.9 JTD · **RENAULT** Clio · R 19 with 1.4 – 1.7 and 1.8 l · Mégane 1.4 and 2.0 l · Rapid with 1.9 D · Laguna · Safrane and Espace 3 with 2.1 D · **SEAT** Alhambra · 1.9 TDi · Arosa 1.7 SDi · **SUZUKI** Grand Vitara 1.9 DDIS for **fuel filters** e.g. **MERCEDES-BENZ** Vito · Sprinter · A-Class (type 168) · C-Class (type 202) · E-Class (type 210)			
2169-86	24	97	100323



2169 Oil filter wrench

Made in Germany

- Application: Operating **Purflux oil filters**
- ☐ 12.5 = ½″ or outside hexagon ⭘ 24 mm
- *s* **76 mm groove profile (6 grooves)**
- Safe, non-conductive protective coating against danger of short circuit: In some **RENAULT**, e.g. K9K engine, the oil filter is located very close to the alternator or the starter
- Eye-catching coating colour reduces the risk of it being left in the engine compartment after operation
- For e.g. **AUDI · CITROËN · DACIA · FIAT · FORD · MERCEDES-BENZ · NISSAN · PEUGEOT · RENAULT · HONDA · OPEL/ VAUXHALL · SUZUKI · VW · SEAT · ŠKODA**





HAZET No.	⬢ mm	∅ mm	EAN-No. 4000896+
2169-76 B	24	85.6	230259

- Application: Operating oil filters and oil filter housings
- Positive mounting of the oil filter housing
- Required screw tightening is possible
- ☐ Drive 12.5 = ½″
- **15-point** *s* **74 mm**
- Operation of **oil filters** **FORD** models e.g. EcoBoost engines among others B-Max · C-Max 2 · Fiesta 5-6-7 · Focus 2-3 · Fusion · Galaxy · Mondeo 4-5 · Tourneo · Transit, Ka+ · Kuga 2 · S-Max **MAZDA** 2 (DL, DJ) 1.5D · 3 (BK, BL) 2.0 (BM, BN) 1.5D - 2.2D (BP) 1.8D · 5 (CW) 1.8-2.0 · 6 (GG) 1.8-2.0 (GY, GH) 1.8-2.0-2.5 (GJ, GL) 2.2D · CX-3 (DK) 1.5D-1.8D · CX-5 (KE,GH,KF) 2.2D · CX-7 (ER) 2.3D-2.5D · MX-5 (NC) 1.8-2.0



HAZET No.	∅ mm	EAN-No. 4000896+
2169-8 A	105	232956

Made in Germany

- Application: Operating oil filters and oil filter housings
- Positive mounting of the oil filter housing
- Required screw tightening is possible
- ☐ Drive 12.5 = ½″
- **15 grooves** *s* **74.7 mm**)
- Operation of **oil filters** **OPEL/VAUXHALL** models Astra K · Insignia B with 1.5 diesel engines F15DVC · F15DVH with 77KW / 90KW



HAZET No.	∅ mm	EAN-No. 4000896+
2169-12	107	241798

Made in Germany

- Application: Operating oil filters and oil filter housings
- Positive mounting of the oil filter housing
- Required screw tightening is possible
- ☐ Drive 12.5 = ½″
- **14-point** *s* **80 mm**
- Operation of the **oil filters** in **Hyundai** i30 · Tucson · KIA Ceéd · Sportage · Soul · Stonic with 1.6 CRDI engine



2169 Oil filter wrench

HAZET No.	∅ mm	EAN-No. 4000896+
2169-13	92	241859

2169 Oil filter wrench set

Made in Germany

- **Operating oil filters and oil filter housings made of plastic**

- Fast application, safe, appropriate and clean working
- The torque value recommended by the vehicle manufacturer can be safely achieved, e.g. with the HAZET 6110-1 CT (10 = ⅜″) and HAZET 6121-1 CT (12.5 = ½″) torque wrenches
- **Caution:** Follow vehicle manufacturer's specifications concerning torque values
- Oil filter wrench set, contents: 2169 · 2169-1 · 2169-6 2169-36 · 2169-76 · 2169-86



HAZET No.	⬛	EAN-No. 4000896+
2169/6	6	120628

2170 Universal strap wrench

Made in Germany

- Especially for oil filters, generators and other round screwed connections
- Cotton textile tape, rubber coated, height 19.6 mm
- Non-skidding
- Surface: chrome-plated



HAZET No.	∅ mm	EAN-No. 4000896+
2170	80–180	013371

2171 Oil filter wrench

- **Adjustable by turning knob or 6-point 13 mm**

- Application: Operating oil filters even in areas with restricted access
- Replaceable steel strip (12 x 1 mm)



HAZET No.	∅ mm	EAN-No. 4000896+
2171-5	65–105	013449
2171-6	105–145	013456

2171 Oil filter chain wrench

Made in Germany

- **The opening in the oil filter chain allows them to be used even in places which are difficult to reach due to the construction**
- Application: Operation of oil filters and the operation of air dryer cartridges



YouTube Clip



HAZET No.	∅ mm	EAN-No. 4000896+
2171-8 Lg	50–150	203703

Made in Germany

- **Operation even in areas with restricted access**
- Application: Operating oil filters and other cartridges on passenger and commercial vehicles
- With chain

YouTube Clip



HAZET No.	∅ mm	EAN-No. 4000896+
2171-8	50–150	013463

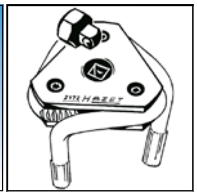
2172 Oil filter wrench

Made in Germany

- For oil filters in areas with restricted access
- Left-hand and right-hand operation
- Universal application
- □ Drive 10 = 3/8" or ⬢ 19 mm
- Forged design
- Surface: galvanised









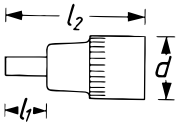
HAZET No.	∅ mm	EAN-No. 4000896+
2172	65–115	013470

2527-5 Ball-head screwdriver socket

Made in Germany

- Application: For oil pan screw connection (*s* 5 mm) on **VW**, **AUDI**, **SEAT**, **ŠKODA**





HAZET No.	s mm	l_1 mm	l_2 mm	EAN-No. 4000896+
2527-5	5	200	227	016303

2528 Oil pan joint socket

Made in Germany

- Application: Oil pan screw connection (*s* 10 mm)
- With rotary pin
- With hinge – for working in areas with restricted access and for getting around obstructive edges
- Drive with ball race
- Surface: chrome-plated



HAZET No.	s mm	l mm	EAN-No. 4000896+
2528-10	10	250	016327

2567 Oil service screwdriver socket

Made in Germany

- Application: Gearbox oil change (XZN screw with journal guide)
- **AUDI** A2 · A3 · A4 · A6 · TT, **VW** Passat B5 · Golf 4 · LT · T4 · T5 **ŠKODA** Fabia · Octavia · Superb **PORSCHE** Boxster with gearbox **FORD** Galaxy 1.9 TDi with 6-speed gearbox
- With knurling
- Surface: chrome-plated





YouTube Clip

HAZET No.	l_1 mm	l_2 mm	EAN-No. 4000896+
2567-16	22	60	016419



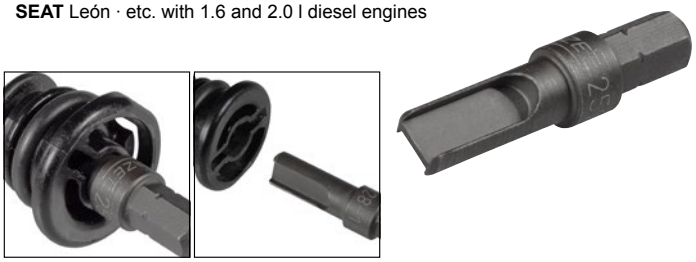
Components and spare parts from page 482 to 490

2528 VAG oil drain plug special scewdriver bit

Made in Germany

- **Installing and removing the plastic oil drain plug with special profile on oil pans made of plastic**
- **Installation and removal of the plastic seal plugs in the camshaft-housing lid 1,6 · 2,0 TDI engines**

- **AUDI SEAT ŠKODA VW**
  model year 2013 → with 1.2 · 1.4 · 1.8 · 2.0 l TFSI petrol engines
  AUDI A1 · A3 · A4 · A5 · Q5
  VW Golf 7
  SEAT León · etc. with 1.6 and 2.0 l diesel engines



HAZET No.	l mm	EAN-No. 4000896+
2528-1	35	201372

2760 Oil service wrench

Made in Germany

- For oil filler screw on M 8 gearbox
- Surface: chrome-plated



HAZET No.	s mm	l mm	EAN-No. 4000896+
• Inside hexagon: 14 mm Outside hexagon: 17 mm			
2760	14x17	237	017638
• Inside hexagon: 14 mm Outside hexagon: 13 mm			
2760-2	13x14	287	017652

3420 Special application oil drain plastic screw on FORD

Made in Germany

- **Perfectly designed for plastic drain plug**
- **Prevents damage resulting from the use of e.g. unsuitable extraction tools**

- Application: Operation of the oil drain plastic screw on **CITROËN · FORD · OPEL VAUXHALL · PEUGEOT · TOYOTA**

For e.g.:

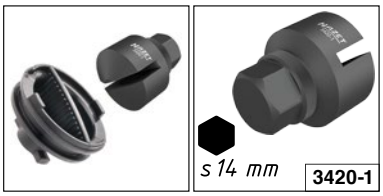
- **CITROËN** C4 · C5 · Spacetourer · Jumpy · DS4 · DS5 with 2.0 Blue HDi engine model year 09/2013→
- **FORD** Mondeo · S-Max · Kuga · Galaxy · Focus · C-Max with 2.0 TDCi engine model year 09/2014 →
- **FORD** (USA) Edge with 2.0 TDCi engine model year 08/2015→
- **FORD** (Australia) Kuga · Escape · Mondeo with 2.0 TDCi engine model year 09/2014→
- **OPEL/VAUXHALL** Grandland X 2.0 D model year 11/2017→
- **VAUXHALL** Grandland X 2.0 D model year 10/2017→
- **PEUGEOT** 308 · 508 · 3008 · 5008 · Expert · Traveller with 2.0 Blue HDi engine model year 11/2013→
- **TOYOTA** Proace Verso · bus · van · platform with 2.0 D model year 02/2016→



►

3420 Special application oil drain plastic screw on FORD

◄



HAZET No.	l mm	EAN-No. 4000896+
3420-1	32	224159

3702 Oil service screwdriver socket

Made in Germany

- For the oil filler and oil drain plug gearbox, differential, oil pan
- Surface: chrome-plated



HAZET No.	s mm	l mm	EAN-No. 4000896+
• 8 mm inside square • For e.g. **MERCEDES-BENZ** type 415 (Citan) · type 177 (A-Class) · type 247 (B-Class) with OM 208 engine **RENAULT**			
3702	8	36	018918
• 10 mm inside square			
3702-1	10	36	018925

3703 Oil service wrench

Made in Germany

- For the oil filler and oil drain plug gearbox, differential, oil pan on various French passenger cars
- 8 and 10 mm outside square
- Surface: chrome-plated



HAZET No.	s mm	l mm	EAN-No. 4000896+
3703	8x10	233	018932

4618 Oil service wrench

Made in Germany

- For the **oil filler and oil drain plug on gearbox, differential, oil pan** e.g. on **FORD**
- With different squares 8.7 · 9.5 · 10.5 · 11.5 · 13 · 6.8 · 15.2 · 16.5 · 19.7
- Surface: chrome-plated



HAZET No.	l mm	EAN-No. 4000896+
4618	218	021994

Components and spare parts from page 482 to 490

198-10 Engine oil filling funnel

Made in Germany

- **Replaceable adapter made of aluminium**

- Easy installation on the engine of the vehicle
- Ensures the necessary slow, controlled filling of engine oil for some engines – saves time: other work can be done while the oil is draining
- Replaceable aluminium adapters for many common vehicle models
- Flexible use due to plug system
- With optional angle connection piece 198-12, also for hard-to-reach oil filling openings
- Special funnel made of sturdy plastic



HAZET No.	l		EAN-No. 4000896+
For **VW** group vehicles of the MQB platform • Necessary due to a smaller diameter of the oil filler plug • **AUDI** A3 (8V) · **VW** Golf 7 · **SEAT** León (5F) · **ŠKODA** Octavia 3 • 2-part set, contents, special funnel 198-9 · oil filling adapter 198-7 • **Made in Germany**			
198-9/2	1	–	186396
• Bayonet fitting, universal use e.g. on **AUDI · VW · SEAT · ŠKODA · MERCEDES-BENZ etc.** • 2-part set, contents, special funnel 198-9 · oil filling adapter 198-10 • **Made in Germany**			
198-10/2	1	2	187218
• **Oil filling adapter** for engine oil filling funnel 198-9, can be used in vehicles of the **VW** Group MQB platform **AUDI** A3 (8V) **VW** Golf 7 **SEAT** León (5F) **ŠKODA** Octavia 3 • **Made in Germany**			
198-7	–	–	187256
• **Special funnel** made of sturdy plastic • Combination possible with oil filling adapters (198-7 · 10 · 13 · 14 · 15 · 16 · 17 · 18 · 19) also together with angle connection piece 198-12 (adapter and angle connection piece optionally available) • **Made in Germany**			
198-9	1	–	187249
• **Adapter with bayonet fitting** for engine oil filling funnel 198-9, can be universally used e.g. on **AUDI, VW, SEAT, ŠKODA, MERCEDES-BENZ, BMW** etc. • **Made in Germany**			
198-10	–	–	187263

Components and spare parts from page 482 to 490

198-10 Engine oil filling funnel

HAZET No.	l		EAN-No. 4000896+
• **Angle connection piece** for hard to reach oil filling openings • **Made in Germany**			
198-12	–	–	206766
• **Oil filling adapter** for engine oil filling funnel 198-9, can be used in engines: **OPEL/VAUXHALL, RENAULT**: G9Q-T-U **NISSAN, OPEL/VAUXHALL, FIAT, RENAULT**: R9M **MERCEDES-BENZ**: C-Class type 205, GLC type 253 with OM 626, Vito type 447 with OM 622 **DACIA**: H5F · K7M · K4M · D4F · K7J · K4M · H4B · D4F • **Made in Germany**			
198-13	–	–	206773
• **Oil filling adapter** for engine oil filling funnel 198-9, can be used in **MERCEDES-BENZ** engine M270: A-Class type 176 · B-Class type 246 M271: C-Class type 203, 209, 204 · E-Class type 211, 212, 207 · SLK type 171,172 · Sprinter type 906 • **Made in Germany**			
198-16	–	–	206803
• **Oil filling adapter** for engine oil filling funnel 198-9, can be used in **MERCEDES-BENZ** engine OM 654: A-Class, type 177 · B-Class, type 247 · C-Class, type 205 · E-Class, type 213 · V-Class, type 447 M 282: A-Class, type 177 · B-Class, type 247 • **Made in Germany**			
198-17	–	–	206827
• **Oil filling adapter** for engine oil filling funnel 198-9, can be used in **MERCEDES-BENZ** engine OM 607: type: 415 Citan, 176 A-Class, 246 B-Class, 117 CLA, X156 GLA · **RENAULT** engine K9K • **Made in Germany**			
198-18	–	–	219179
• **Oil filling adapter** for engine oil filling funnel 198-9, can be used in 1.5 TSI VW Group engine **AUDI** A1 model year 11/2018 → · A3 model year 05/2017 → · Q2 model year 11/2018 → · Q3 model year 09/2018 → **SEAT** Arona model year 11/2017 → · Ibiza model year 08/2017 → · León 3 model year 09/2018 → · Tarraco model year 10/2018 → · Ateca model year 10/2018 → **ŠKODA** Karoq model year 07/2017 → · Octavia 3 model year 08/2017 → · Suberb 3 model year 10/2018 → **VW** Arteon model year 11/2018 → · Golf 7 model year 03/2017 → · Golf Sportsvan 10/2017 → · Polo 6 model year 09/2017 → · T-Roc model year 11/2017 → · Passat B8 model year 10/2018 → · Touran 2 model year 10/2018 → • **Made in Germany**			
198-19	–	–	226993



Brakes

163 Universal brake tool set



1/3


751 K HS-3


751 K HS-4

748 LGB
748 Lg b-3 • 748 Lg b-4


810 U-PH • ✪
PH 3


8801 K • ○ • 10 3/8
7


986 • ○ • 12 1/2
9


986 LG • ○ • 12 1/2
9 • 11


2584-8 • ○ • 10 3/8
8


2784 • ○ • 10 3/8
7


2901 G • ○ • 10 3/8
7


4968-2

4968-6

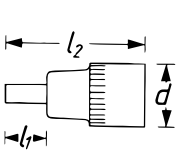
HAZET No.	L x W mm		EAN-No. 4000896+
163-548/14	342x172	14	224197

2584-8 Brake calliper screwdriver socket

Made in Germany



- Application: Operation of the brake calliper screw connection at the rear axle (*s* 8 mm) on: **AUDI** TT model year 2007 →, A4 model year 2001 →, A6 model year 2005 →, A8 model year 2003→
- For controlled screw tightening, use a torque wrench with drive 10 = 3/8″ drive, e.g. HAZET 6110-1 CT
- With fix blade (size 8 mm) for inside hexagon screws





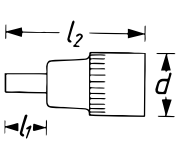
HAZET No.	s mm	l_1 mm	l_2 mm	EAN-No. 4000896+
2584-8	8	6.6	24	149438

2784 Brake calliper screwdriver socket

Made in Germany



- Application: Operation of the guide bolts *s* 7 mm at the rear brake callipers on **MERCEDES-BENZ** type 204 (C-Class)
- For controlled screw tightening, use a torque wrench with drive 10 = 3/8″ drive, e.g. HAZET 6110-1 CT
- With fix blade (size 7 mm) for inside hexagon screws





HAZET No.	s mm	l_1 mm	l_2 mm	EAN-No. 4000896+
2784-1	7	6.6	24	148530

2901 G Brake calliper joint socket

Made in Germany



- Application: Rear brake calliper screws (*s* 7 mm) on **BMW** 3 · 5, and 8 Series · **VW** Golf 7 model year 2013 → · **AUDI** A3 model year 2013 → · **ŠKODA** Octavia model year 2013 → and **OPEL/VAUXHALL**
- With hinge – for working in areas with restricted access and for getting around obstructive edges



HAZET No.	s mm	l mm	EAN-No. 4000896+
2901 G-7	7	50	051816

Application Chart for HAZET No. 4968 brake bleeding wrenches

	S mm				
BMW	7				
CITROËN		8	9		
DAIHATSU		8			
FIAT	7	8			
FORD	7	8	9	10	11
HONDA		8		10	
MAZDA		8			
MERCEDES-BENZ			9		11
MITSUBISHI				10	11
NISSAN				10	11
OPEL			9		
PEUGEOT	7	8	9	10	11
RENAULT	7	8	9		11

4968 Brake bleeding wrench set

Made in Germany



HAZET No.		EAN-No. 4000896+
4968 • ◉ 7 • 8 • 9 • 10 • 11		
4968/5	5	086535

Components and spare parts from page 482 to 490

4968 Brake bleeding wrench

Made in Germany

- **Equal hexagon size on both sides**

- Application: **Brake bleeding without dismounting the wheels,** replacement of wheel brake cylinder, master brake cylinder and the tube connections
- Bent and offset
- Surface: chrome-plated



HAZET No.	s mm	l mm	EAN-No. 4000896+
4968- 7	7	190	085705
4968- 8	8	208	085699
4968- 9	9	208	085682
4968-10	10	236	085712
4968-11	11	236	085729

4963 Specialty tool for brakes

Made in Germany

- **Push and turn-part with carbide coating layer in the front working area**

- Application: Installation and removal of the spring plate and the holding device of the brake linings on drum brakes
- On e.g. **VW · SEAT · ŠKODA · OPEL/VAUXHALL and RENAULT** with rear drum brakes
- Plastic handle
- Surface: chrome-plated





HAZET No.	l mm	EAN-No. 4000896+
4963-1	237	050383

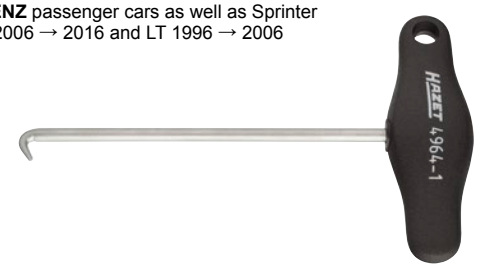
4964 Draw spring assembly tool

Made in Germany

- **Hook with T-handle**

- Application: Installing and removing the **draw spring of hand brake shoes** (rear disc brake)
- On e.g. **MERCEDES-BENZ** passenger cars as well as Sprinter **VW** Crafter model year 2006 → 2016 and LT 1996 → 2006
- Surface: chrome-plated





HAZET No.	l mm	EAN-No. 4000896+
4964-1	162	055708

2191 Tube flaring tool set

Made in Germany

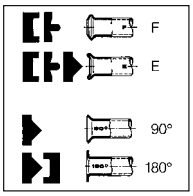
- **For metal tubes and pipes with a wall thickness of 0.7 to 1.0 mm pipe ∅ 4.75–10 mm**

- Application: Making open (F) or twin (E) flares in accordance with DIN 74234, standard 90° and 180° flares
  For flares on rolled and drawn pipes
- Replaceable, hinged gripping jaw

Note: For plastic-coated brake lines use HAZET 2193/4 K

- Special cast steel
- Sheet metal box (HAZET-blue)
- 2-component soft foam insert









2181 N-1



2191-1



2191
2191-4 • 2191-5
2191-6 • 2191-8
2191-9 • 2191-10



2191-2



2191



2191-3



2191-90

HAZET No.	L x W x H mm		EAN-No. 4000896+
2191/12 K	290x173x50	12	013890

2191 Basic unit

Made in Germany

- Holding the gripping jaw 2191-1



HAZET No.	∅ mm	EAN-No. 4000896+
2191	4.75–10	013784

2191 Gripping jaw

Made in Germany

- Socket in basic unit 2191
- For E, F, 90° and 180° flares
- 4.75 up to 10 mm



HAZET No.	mm	EAN-No. 4000896+
2191-1	4.75–5–6–8–9–10 mm	013791

Components and spare parts from page 482 to 490

2191 Tube deburring tool

Made in Germany
- **For tubes with outside ∅ of 4-32 mm**
- Application: For tube deburring



HAZET No.	∅ mm	EAN-No. 4000896+
2191-2	4–32	013814

2191 Base block

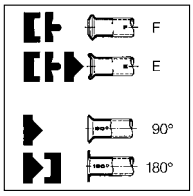
Made in Germany
- For E, F, 90° and 180° flares
- 4.75 up to 10 mm



HAZET No.	∅ mm	EAN-No. 4000896+
2191-3	4.75–10	013821

2191 Thrust block

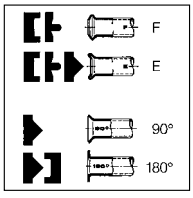
Made in Germany
- For E and F-flares
- Surface: burnished, oiled





HAZET No.	∅ mm	EAN-No. 4000896+
2191- 4	4.75	013838
2191- 5	5	013845
2191- 6	6	013852
2191- 8	8	013869
2191- 9	9	013876
2191-10	10	013807

Made in Germany
- For E and 90°, 180° flares 4.75 to 10 mm
- Surface: burnished, oiled





HAZET No.	∅ mm	mm	EAN-No. 4000896+
2191-90	4.75–10	(3/16"–3/8")	013883

2193 Tube flaring tool set

Made in Germany
- Application: Especially for F-flares on plastic-coated brake lines ∅ 4.75 mm
- Sheet metal box (HAZET-blue)
- 2-component soft foam insert




2181 N-1


2193-1


2193-2


2193 A

HAZET No.	L x W x H mm		EAN-No. 4000896+
2193/4 K	290x173x50	4	014088

2193 Tube flaring tool

Made in Germany
- **Especially for F-flares on plastic-coated brake lines ∅ 4.75 mm**
- Lightweight and easy to handle
- May be clamped into a machinist's vice, also allows manual operation under vehicles



HAZET No.	∅ mm	EAN-No. 4000896+
2193 A	4.75	142538

2193 Replacement thrust block

Made in Germany
- **Replacement thrust block** with dowel pin for tube flaring tool 2193 A





HAZET No.	EAN-No. 4000896+
2193/02	014071

2193 Bending tool

Made in Germany
- Application: Bending brake lines of 4.75 mm ∅



HAZET No.	∅ mm	EAN-No. 4000896+
2193-1	4.75	014057

Components and spare parts from page 482 to 490

2193 Tube deburring tool

Made in Germany

- Application: Inside and outside deburring of tubes



HAZET No.	∅ mm	EAN-No. 4000896+
2193-2	4.75	014064

4968 Brake calliper brush

Made in Germany

- **Slim design**

- Application: Removing stubborn brake dust and dirt from the disc brake calliper
- Plastic handle with suspension hole



HAZET No.	l mm	EAN-No. 4000896+
4968-2	225	084821

4968 Brass brake calliper brush

Made in Germany

- **Soft brass bristles facilitate damage-free cleaning**

- Application: Cleaning **aluminium brake callipers**
- Slim design – allows working in areas with restricted access
- Plastic handle with suspension hole



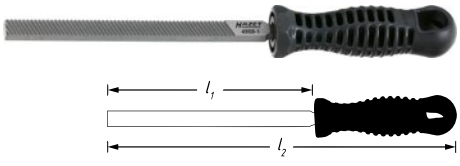
HAZET No.	l mm	EAN-No. 4000896+
4968-3	225	089147

4968 Brake calliper file

Made in Germany

- **One-sided cut prevents damage to the dust boot at the brake piston**

- Application: For removing stubborn brake dust, rust and dirt from the disc brake calliper
- **12 mm wide**
- Cut of the file: coarse bevel cut on one side
- Blunt scraper on the face side for removing rough residues
- Plastic handle



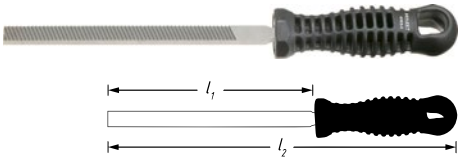
HAZET No.	l_1 mm	l_2 mm	EAN-No. 4000896+
4968-1	150	260	084739

4968 Brake calliper file

Made in Germany

- **Extra slim style (width 10 mm), especially appropriate for Japanese vehicles**

- Application: For removing stubborn brake dust, rust and dirt from the brake calliper
- **Blunt scraper** on the face side for removing rough residues

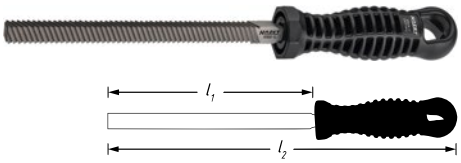


HAZET No.	l_1 mm	l_2 mm	EAN-No. 4000896+
4968-5	155	265	129379

Made in Germany

- **Extra slim design**

- Application: For removing stubborn brake dust, rust and dirt from the brake calliper
- **Square brake calliper file**
- Very good service life
- 10 x 10 mm
- Plastic handle with hanging hole



HAZET No.	l_1 mm	l_2 mm	EAN-No. 4000896+
4968-6	155	265	218431

4968 Brake line scraper

Made in Germany

- **Curved design enables work even in hard-to-reach areas**

- Application: For removing dirt, underbody protection and rust from brake lines and for locating concealed corrosion areas
- For checking the condition of the brake line in the general inspection
- Application is possible by pulling or pushing
- Replaceable blade
- For brake line ∅ 4.75 mm
- 2-component handle



HAZET No.	l mm	EAN-No. 4000896+
4968-12	245	219964
• **Spare blade** for brake line scraper 4968-12		
4968-012	–	229871

2582 Brake adjusting lever

Made in Germany

- Application: Adjusting of **drum brake shoes** with eccentric
- Adjusting handbrakes with eccentric
- Surface: chrome-plated



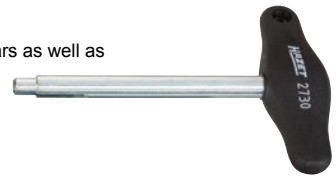
HAZET No.	l mm	EAN-No. 4000896+
2582	304	017027

Components and spare parts from page 482 to 490

2730 Hand brake shoe retaining spring tool

Made in Germany

- Application: Retaining springs of the hand brake shoes (rear disc brakes)
- On e.g. **MERCEDES-BENZ** passenger cars as well as Sprinter
  VW LT model year 1996→2006 · Crafter model year 2006 → 2016
- Plastic T-handle



HAZET No.	l mm	EAN-No. 4000896+
2730	142	017423

Made in Germany

- **Tool is especially suited to areas with very restricted access**



- Application: Operating retaining springs of the hand brake shoes (rear disc brakes)
- **MERCEDES-BENZ** V-Class (Vito / Vitano) type 638 model year 1996 → 2003 · 639 model year 2003 → 2014 · 447 model year 2014 →
- The tool makes it easy to reach the retaining springs behind the wheel hub, as operation through the hole in the wheel hub is not possible for the above vehicle types.
- Plastic T-handle



HAZET No.	l mm	EAN-No. 4000896+
2730-1	155	218400

4954 Brake fluid tester

- **Portable** (for everywhere use) – to be connected to battery, replaces a stationary installation
  Operating voltage 12 V
- **Boiling point tester** – higher testing accuracy in comparison to other testing methods
- **Time saving** – fluid can remain in the fluid tank for most vehicles
- **Safe and environmentally sound**, since there is no fluid loss
- Accepted by vehicle manufacturers
- Also meets the requirements of TÜV Austria
- For **DOT 3 · DOT 4 · DOT 4+ · DOT 5 · DOT 5+ brake fluid**
- **Easy application** – one pushbutton
- No brake fluid selection necessary
- Warning in case of too low operating voltage
- Cable length: 2.2 m
- **Test in °C and °F** – temperature range: 320° C / 608° F
- **Quick diagnosis** – measuring duration: approx. 30 seconds
- Test container, syringe and operating instructions included in delivery
- Plastic box







HAZET No.	EAN-No. 4000896+
4954-2	229628

4956 Calliper gauge for brake discs

Made in Germany

- **Spherical measuring areas**

- Application: Measuring the thickness of the brake discs (wear/abrasion of the brake disc)
  – follow the instructions of the manufacturer –
- Fixing screw and sliding vernier (vernier $^{1}/_{10}$)
- In leather case
- For passenger cars and motorcycles
- Measuring range: 60 mm
- Jaw length: 75 mm



HAZET No.	EAN-No. 4000896+
4956-1	073160

4956 Calliper gauge for brake discs / thickness gauge

- **Measurement without wheel removal possible**

- Effortless measurement on the vehicle as part of direct receptions in the presence of the customer
- Measuring range: 0 – 60 mm (also suitable for application on commercial vehicles)
- Easy to handle
- **Note:** Information on the wear limits – Please observe vehicle manufacturer's data



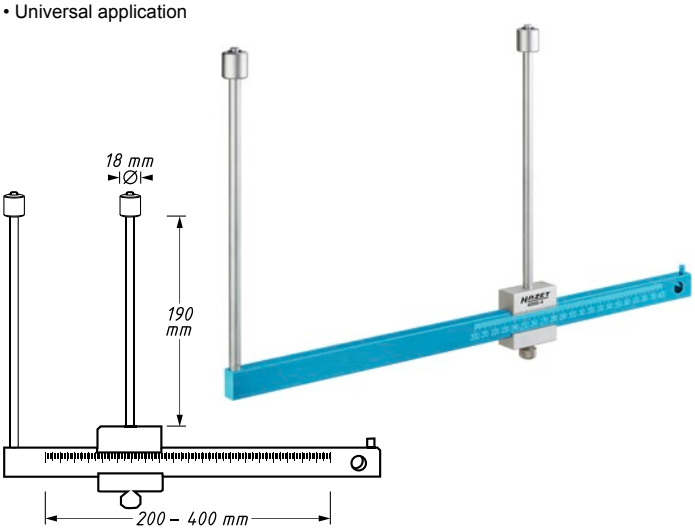




HAZET No.	l mm	EAN-No. 4000896+
4956-3	395	219032

4956 Calliper gauge for brake discs

- Application: Simple, quick determination of the brake disc diameter through wheel opening with removing the wheels
- Measuring range 200–400 mm
- Universal application



►

4956 Calliper gauge for brake discs



HAZET No.	EAN-No. 4000896+
4956-4	222339

4968 Brake test tool set

- **Micrometer screw for exact determination of the thickness of the brake disc**

- Application: Checking the lateral run-out of the brake disc
- Precision dial gauge for checking the lateral run-out
- Hinged bracket with magnetic base as mounting and for an exact positioning of the dial gauge on the vehicle
- Plastic box
- Soft foam insert






2155 N-25


2155-60


2155-65

HAZET No.		EAN-No. 4000896+
4968/3	3	149179

4968 Universal brake tool set

- **All important tools in direct access**

- Application: Disassembly/assembly and professional cleaning of brakes
- Plastic box
- Soft foam insert




751 K HS-3

748 LGB
748 Lg b-3 • 748 Lg b-4


8801 K • ○ • 10 3/8
7


751 K HS-4

810 U-PH • ✪
PH 3

986 • ○ • 12 1/2
9

4968 Universal brake tool set


986 LG • ○ • 12 1/2
9 • 11


2784 • ○ • 10 3/8
7


4968-2


2584-8 • ○ • 10 3/8
8


2901 G • ○ • 10 3/8
7

4968-6

HAZET No.		EAN-No. 4000896+
4968/14 A	14	221158

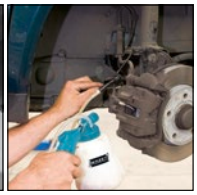
4969 Pneumatic brake bleeding set

- **Brake bleeder for the extraction of brake fluid on wheel brake cylinders / brake callipers**

- Also suitable for ABS brakes (Caution: **Always follow manufacturer's specifications**)
- By means of compressed air, the integrated Venturi system creates a vacuum, with which the brake system is bled
- Including universal plastic nozzle, suitable for all vehicles
- Clear transparent brake bleeding hose enables easy visual check
- Air consumption: 180 l/min / working pressure: 6 to 8 bar
- Including coupler plug, nominal size 7.2
- Contents:
  1 brake bleeding device (container capacity 0.75 l)
  1 refill container with fixed nozzle
  1 refill container with flexible nozzle (container capacity: 1 litre each)







HAZET No.		EAN-No. 4000896+
4969-1/3	3	149445

4968 Hook set

- Application: Securely hanging dismounted components, e.g. brake callipers, avoids damage to brake hoses, lines etc.
- Universal application
- Hook ∅: 7 mm
- Surface: immersion-lacquered



HAZET No.	l mm	EAN-No. 4000896+
4968/2 H	190	221820

Components and spare parts
from page 482 to 490

Product applications
Brake piston readjusting sets
hazet.de → Service → Tool Finder
→ Brake piston readjusting sets
◀ For Smartphones with QR reader (app)

4970 Brake piston readjusting tool set

Made in Germany

- **With thrust bearing rotating to the left and right**

- Application: Readjusting brake pistons on floating calliper systems with or without locking device for hand brakes
- Thrust bearing avoids damaging the dust boot
- With additional outside hexagon *s* 13 mm for flexible application of operating tools, e.g. ratchets
- Universal application – suitable for all common vehicle types Classification: www.hazet.de → tool finder → brake piston readjusting sets
- The brake piston is operated (rotated) via the outside hexagon located directly on the relevant adapter. This ensures an optimum transfer of force
- Plastic box



YouTube Clip







HAZET No.		EAN-No. 4000896+
• Brake piston readjusting tool set, contents: 4970-1 · 5 · 6 · 7 · 8 · 9		
4970/6	6	088867
• Brake piston readjusting tool set, contents: 4970-1 · 5 · 6 · 7 · 8 · 9 · 10 · 11 · 12		
4970/9	9	157464

4970 Basic unit

Made in Germany

- Application: Readjusting brake pistons on floating calliper systems with or without locking device for hand brakes

- **Basic unit**
- Thrust bearing avoids damaging the dust boot
- With additional outside hexagon *s* 13 mm for flexible application of operating tools, e.g. ratchets



YouTube Clip

HAZET No.	EAN-No. 4000896+
4970-1	088874

4970 Brake piston readjusting tool set · pneumatic

- **Universal application thanks to 3-piece adapter set. Optimisation of the HAZET basic unit 4970 P-1**

- Application: Readjusting brake pistons on floating calliper systems with or without locking device for hand brakes
- For clockwise and anti-clockwise brake pistons
- Largest possible recovery movement of the piston rod as far as into the housing – operation also when brake piston is extended far
- For smallest brake callipers **Mini** · **BMW** 1 Series to **BMW** X7 (largest brake calliper at present)
- Pneumatic support together with swivelling rotary level allows effortlessly easy and quick resetting
- It is possible to simultaneously press and turn or only press the brake piston after the brake pads on disc brake systems have been replaced
- Included adapter set 4970P-02/3 ensures flexible intake for pressure plates of other manufacturers available on the market, e.g:
  – Inside hexagon adapter *s* 13 mm for HAZET pressure plates of product group 4970
  – 10 mm (⅜″) outside square adapter to connect OEM special adapters e.g. all current **Mini** and **BMW** adapters · SW-Stahl
  – 2-pin adapter for, among others, VIGOR · SW-Stahl · KS-Tools · Facom · BGS · Kunzer
- In case with soft-foam insert and storage option for additional adapters
- Including operating instructions









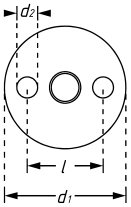
YouTube Clip

HAZET No.		EAN-No. 4000896+
4970 P-1/4	4	232970
Adapter set • For adapting pressure plates from different manufactures to basic unit HAZET 4970 P-1: • Inside hexagon adapter *s* 13 mm for HAZET pressure plates of product group 4970 • 10 mm (⅜″) outside square adapter to connect OEM special adapters e.g. all current **Mini** and **BMW** adapters · BMW 1 Series up to BMW X7 brake calliper (currently largest calliper) • 2-pin adapter for among others VIGOR · SW-Stahl · KS-Tools · Facom · BGS · Kunzer		
4970 P-02/3	3	234929
Pressure plate set • Universal application for numerous vehicles • In conjunction e.g. with brake piston readjusting tool set 4970 P-1/4 and 4971-1 • Please consider manufacturer's data and brake calliper design • **Pressure plate 4970-5** with 2 pins for: – **AUDI** · A4 · model year 2007 → 2015 – **CITROËN** · Berlingo 5 · model year 2008 → 2018 – **FIAT** · Bravo · model year 2007 → 2014 – **FORD** · Kuga · model year 2008 → 2012 · Mondeo · model year 2007 → 2014 · Transit · model year 2006 → 2013 – **OPEL/VAUXHALL** · Insignia · model year 2008 → 2017 · Zafira B · model year 2005 → 2014 – **PEUGEOT** · 407 · model year 2004 → 2011 · 508 · model year 2010 → 2018 – **RENAULT** · Trafic · model year 2001 →2014 – **SEAT** · Altea · model year 2004 → 2015 – **ŠKODA** · Octavia · model year 2004 → 2012 · Roomster · model year 2006 → 2015 – **VOLKSWAGEN** · T5 · model year 2003 → 2015 · Touran · model year 2003 → 2015 • **Pressure plate 4970-6** inside hexagon 12 mm – **AUDI** · **VOLKSWAGEN** • **Pressure plate 4970-7** with 2 pins for: – **FIAT** · 500 · model year 2007 → – **MERCEDES-BENZ** · Citan · model year 2012 → – **RENAULT** · Kangoo · model year 2008 → 2013 · Modus · model year 2004 → 2012 • **Pressure plate 4970-8** with 2 pins for: – **AUDI** · **CITROËN** · **VOLKSWAGEN** • **Pressure plate 4970-9** with 4 pins for: – **MINI** · Cooper · model year 2006 → 2016 – **SAAB**		
4970/5	5	235544

4970 Pressure plates for 4970

Made in Germany

- Application: Readjusting brake pistons on floating calliper systems with or without locking device for hand brakes



YouTube Clip



HAZET No.	l mm	d_1 mm	d_2 mm	EAN-No. 4000896+
• **Pressure plate** with 2 pins for: – **AUDI** · A4 · model year 2007 → 2015 – **CITROËN** · Berlingo 5 · model year 2008 → 2018 – **FIAT** · Bravo · model year 2007 → 2014 – **FORD** · Kuga · model year 2008 → 2012 · Mondeo · model year 2007 → 2014 · Transit · model year 2006 → 2013 – **OPEL/VAUXHALL** · Insignia · model year 2008 → 2017 · Zafira B · model year 2005 → 2014 – **PEUGEOT** · 407 · model year 2004 → 2011 · 508 · model year 2010 → 2018 – **RENAULT** · Trafic · model year 2001 →2014 – **SEAT** · Altea · model year 2004 → 2015 – **ŠKODA** · Octavia · model year 2004 → 2012 · Roomster · model year 2006 → 2015 – **VOLKSWAGEN** · T5 · model year 2003 → 2015 · Touran · model year 2003 → 2015				
4970-5	29	35	5	052943
• **Pressure plate** inside hexagon: 12 mm • **AUDI** · **VOLKSWAGEN** • Please consider the brake calliper design				
4970-6	–	30	–	052950
• **Pressure plate** with 2 pins for: – **FIAT** · 500 · model year 2007 → – **MERCEDES-BENZ** · Citan · model year 2012 → – **RENAULT** · Kangoo · model year 2008 → 2013 · Modus · model year 2004 → 2012				
4970-7	24	32	6	052967
• **Pressure plate** with 2 pins for: – **AUDI** · Please consider brake calliper design – **CITROËN** · Please consider brake calliper design – **VOLKSWAGEN**				
4970-8	44	55	6	052974
• **Pressure plate** with 4 pins for: – **MINI** · Cooper · model year 2006 → 2016 – **SAAB** · Please consider brake calliper design				
4970-9	22	30	5	052981
• **Pressure plate** with 2 pins for: **FORD** · Transit · model year 2006 → 2013				
4970-10	20	35	6	126019
• **Pressure plate** with 2 pins for: **FIAT** · Panda · model year 2003 → 2012				
4970-11	20	35	3	146581
• **Pressure plate** with 2 pins for: **FORD** · S-Max · model year 2006 → 2014 · rear wheel brake				
4970-12	20	40	5	149766

4971 Brake piston readjusting tool

Made in Germany

- **Fast and uniform readjusting without tilting**

- Application: For damage-free readjusting of brake pistons (floating callipers / fixed callipers) on disc brakes
- For common vehicle types without integrated locking device for handbrakes
- Avoids damaging of the boots and pistons
- High accuracy as well as high stability allow continuous use
- Reduced expenditure of force due to exact guidings



HAZET No.	EAN-No. 4000896+
4971-1	156245

796 Brake spring pliers

Made in Germany

- Application: Installing and removing the brake shoe return spring on **riveted brake linings**
- Surface: chrome-plated





HAZET No.	l mm	EAN-No. 4000896+
796	215	031818

797 Brake spring pliers

Made in Germany

- **Moving claw**

- Application: For **glued and riveted brake linings** (rear drum brakes)
- Surface: chrome-plated







HAZET No.	l mm	EAN-No. 4000896+
797	317	031825

1846 B Circlip pliers

Made in Germany

- **Long, 90° angled tips**

- Application: Operating **low-lying** circlips e.g. on brake callipers and gearboxes
- Jaws curved 90°
- Ergonomically shaped HAZET 2-component plastic handle covers (blue/black)
- Surface: chrome-plated





HAZET No.	l mm	● mm	≡ mm	EAN-No. 4000896+
1846 b-1.6	195	12–30	1.5	061457

Components and spare parts from page 482 to 490

Universal spring vice 4903

… everything fits well. And your safety is guaranteed.

- Short familiarization period due to easy handling
- Comfortable, safe and easy handling for just one user
- Clearer workflows
- Top handling due to 90° swivelling
- Allows impact-free operation (e.g. cordless screwdriver or pneumatic air ratchet) (up to 15,000 N)
- Suitable for almost all spring shapes and designs
- Even blank-ends and accessories generally do not limit the tool's functionality
- Suitable for almost all shapes of head plates
- Basic unit 4900-2A offers mobile and stationary application suitable for any workshop task
- Safe working due to tight spring fit and, in particular, due to load-free installation
- Time saving of approx. 10 minutes when completely removing the spring strut (McPherson)



www.hazet.de
Further information:
HAZET Online catalogue

HAZET YouTube channel
Application video
4903

HAZET YouTube channel
Application video
4903/4 W 203

5 steps to success

Spring strut fixation

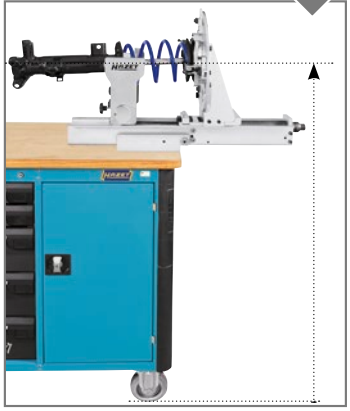


Swivelling

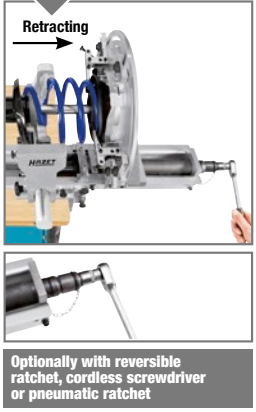


Adjusting vertically, operating horizontally

Optimum working height approx. 1.30 m

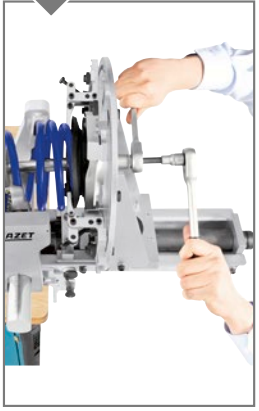


Operating



Optionally with reversible ratchet, cordless screwdriver or pneumatic ratchet

Load-free! Dismantling

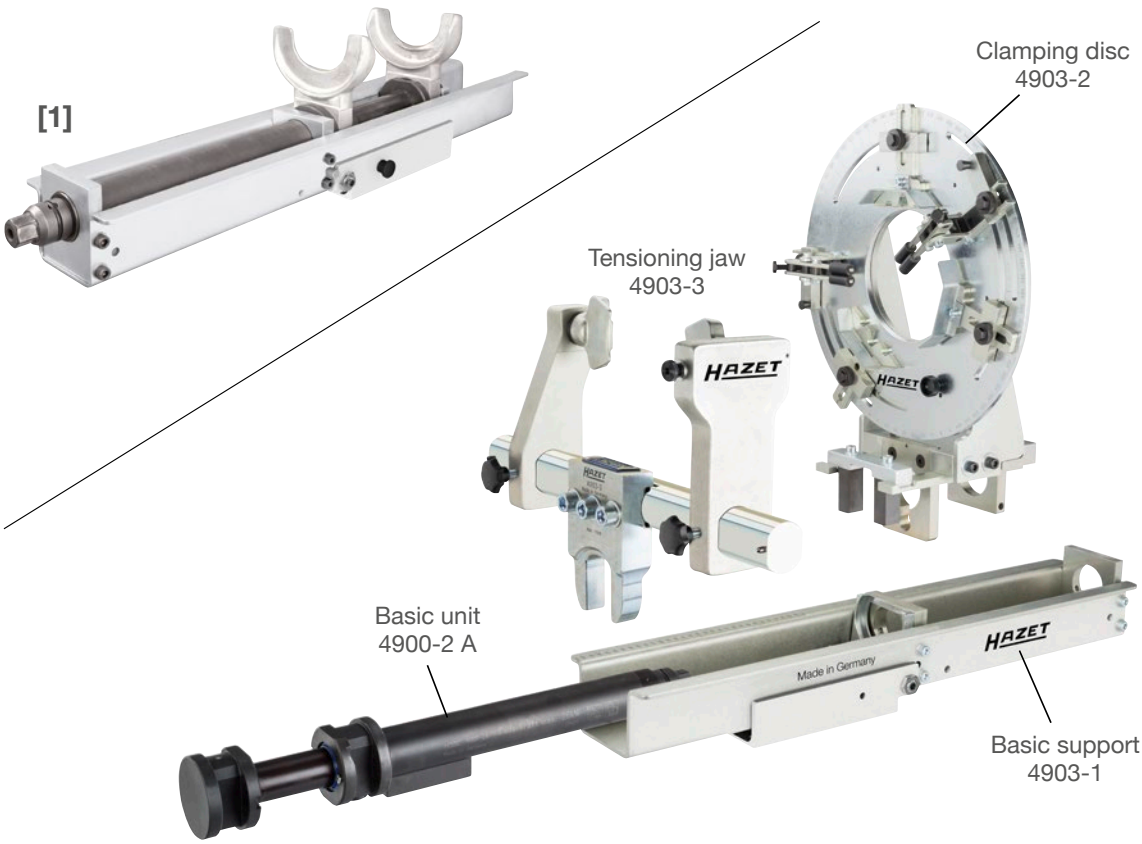


Components and spare parts from page 482 to 490

Time savings compared to standard applications thanks to the HAZET universal spring vice

Necessary work steps when replacing shock absorbers	HAZET 4903/4	Time saving compared to competitors
Clamping	Less complicated operation	👍
Operating	Comparable or considerably faster with cordless screwdriver	👍
Releasing	Not necessary	👍
Removal	Comparable	✓
Operating	Not necessary	👍
Releasing	Comparable	✓
Strut removal	Comparable	✓
Clamping of second shock absorber	Significant savings: easier and less complicated	👍
Operating	Comparable or considerably faster with cordless screwdriver	👍
Releasing	Not necessary	👍
Removal	Comparable	✓
Operating	Not necessary	👍
Releasing	Comparable	✓
Strut removal	Comparable	✓

- Can be used for almost any strut / shock absorber
- Innovative socket and installation concept
- High safety
- Allows record keeping by scaling
- Secured investment through the use of existing SYSTEM components 4900 [1]



Patented

Made in Germany

Components and spare parts
from page 482 to 490

HAZET safety spring vice 4900

… everything fits well. And your safety is guaranteed.

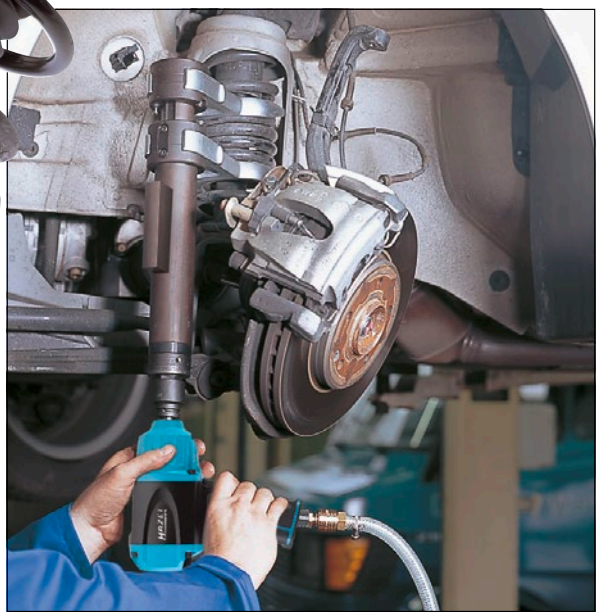
- Universal application thanks to replaceable tensioning jaws
- High loading capacity of 26,000 N
- Suitable for impact wrenches
- Closed system – maintenance-free
- Proven safety
- With socket rail for machinist's vice

www.hazet.de
Further information:
Tool finder

www.hazet.de
More tensioning jaws:
HAZET Online catalogue

HAZET YouTube channel
Application video
4900-2 A





Classification list

Suitable for approx. 200 vehicle types

Updated table on the internet

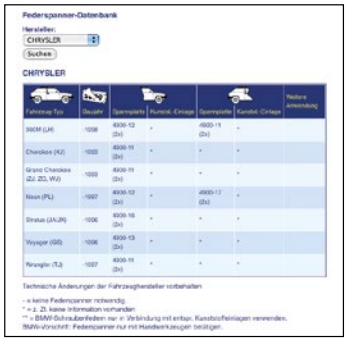
www.hazet.de

↓

Service → Tool Finder

↓

Safety spring vice database



www.hazet.de

Tool Finder

... find the right tool for your application!

Made in Germany

Components and spare parts from page 482 to 490

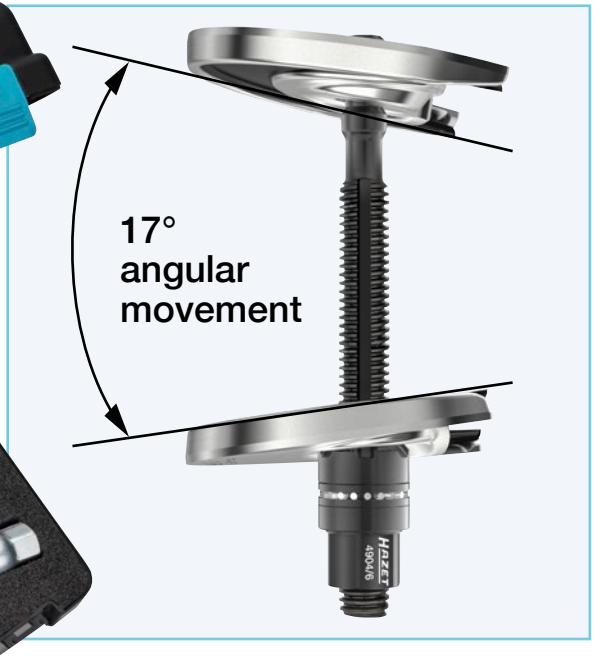
HAZET universal inside spring vice set 4904/6

Universal application on almost all passenger cars

Compact HAZET design – only 202 mm long – enables spring replacement on many vehicles with remarkable time savings



Optionally extendable with support device 4912-6



Highlights:

- Easy handling for just one user
- Eliminates time-consuming work associated with most spring removal:
  - Removal of axle parts unnecessary
  - Axle alignment no longer necessary
  - Removal and installation possible in just a few minutes on each side
- High loading capacity of 31,000 N
- A 32 mm basic unit ∅
- Angular movement 17°

Tested on vehicles from the following manufacturers:

AUDI · BMW · CITROËN · FIAT · FORD · HYUNDAI · KIA · MAZDA · MERCEDES BENZ · MINI · OPEL · PEUGEOT · RENAULT · SEAT · ŠKODA · TOYOTA · VOLKSWAGEN

∅ 32 mm



31.000 N

Plastic protective pads





Anti-rotation device

Plastic protective pads





Anti-rotation device

Components and spare parts from page 482 to 490

Product applications

Safety spring vice database
hazet.de → Service → Tool Finder
→ Safety spring vice database
◀ For Smartphones with QR reader (app)

4900 Safety spring vice basic unit

Made in Germany

- **Installing and removing the coil spring when changing shock absorbers**
  Suitable for around 200 different vehicle types

- Application: Coil spring when changing shock absorber (please note safety spring vice classification table on the Internet or in the tool catalogue)
- **Maximum span: 309 mm**
- High **capacity of 26000 N**
- **Suitable for impact operation,** e.g. HAZET 9012 EL-SPC or 9012 MT together with HAZET socket 900 S-27 or 900 S Lg-27
- Closed system – **maintenance-free**
- Variable system thanks to easily replaceable tensioning jaws
- **Location bar for machinist's vice**
- GS mark – tested safety
- Tempered cylindrical and guiding tube
- Forged and tempered tensioning jaws
- Also for spring strut with rebound spring in the shock absorber



YouTube Clip

HAZET No.	∅ mm	EAN-No. 4000896+
Safety spring vice basic unit		
4900-2 A	–	077267
• **Replacement set** for spring vice **4900-1 A** and **-2 A** consisting of 2 straight pins and 1 O-ring		
4900-02 A/3	7	069415
• **Replacement set** for spring vice **4900-1** and **4900-2** consisting of 5 straight pins and 2 O-rings		
4900-02/7	6	063437

4900 Safety spring vice set

Made in Germany

- **Suitable for impact wrenches**

- Application: Installing and removing the coil spring when **replacing shock absorbers**
- Closed system – **maintenance-free**
- Variable system thanks to easily replaceable tensioning jaws
- Plastic inserts for the protection of the lacquered spring surfaces. This prevents spring damage due to corrosion
- **Location bar for machinist's vice**
- 4900-2 A also for spring strut with rebound spring in the shock absorber
- Maximum span: 309 mm
- High **capacity of 26000 N**
- GS mark – tested safety
- Tempered cylindrical and guiding tube
- Forged and tempered tensioning jaws

YouTube Clip







HAZET No.		EAN-No. 4000896+
• **1 basic unit and 2 tensioning jaws 4900-11** • Suitable for around 50 different vehicle types		
4900-2 A/3	3	149483
• **1 basic unit and 4 tensioning jaws (2x 4900-11 and 2x 4900-12).** Suitable for approx. 100 different vehicle types		
4900-2 A/5	5	086054

4900 Tensioning jaw

Made in Germany





HAZET No.	∅ mm	EAN-No. 4000896+
4900-10	69–120	059706
• **Plastic insert** for protection of the lacquered spring surfaces preventing coil damage due to corrosion		
4900-100	–	061136

4900 Tensioning jaw

Made in Germany





HAZET No.	∅ mm	EAN-No. 4000896+
4900-11	107–151	059713
• **Plastic insert** for protection of the lacquered spring surfaces preventing coil damage due to corrosion		
4900-110	–	061143

4900 Tensioning jaw

Made in Germany





HAZET No.	∅ mm	EAN-No. 4000896+
4900-12	121–173	059720
• **Plastic insert** for protection of the lacquered spring surfaces preventing coil damage due to corrosion		
4900-120	–	061150

Made in Germany



HAZET No.	∅ mm	EAN-No. 4000896+
4900-13	146–207.5	059737

Made in Germany



HAZET No.	∅ mm	EAN-No. 4000896+
4900-14 A	81–114	064649

Made in Germany



HAZET No.	∅ mm	EAN-No. 4000896+
4900-15 A	111.5–152.5	121472

Made in Germany



HAZET No.	∅ mm	EAN-No. 4000896+
4900-16	80.5–119.5	062164

4900 Tensioning jaw

Made in Germany



HAZET No.	∅ mm	EAN-No. 4000896+
4900-17	124–175	062171

Made in Germany





HAZET No.	EAN-No. 4000896+
4900-18	100378
• **Plastic insert** for protection of the lacquered spring surfaces preventing coil damage due to corrosion	
4900-180	074327

Made in Germany



HAZET No.	∅ mm	EAN-No. 4000896+
4900-19	80.5–119.5	085842

Made in Germany



HAZET No.	∅ mm	EAN-No. 4000896+
4900-22	126–173	062188

Made in Germany

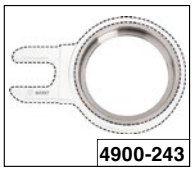


HAZET No.	∅ mm	EAN-No. 4000896+
4900-23	152–207.5	062195

Components and spare parts
from page 482 to 490

4900 Tensioning jaw

Made in Germany





HAZET No.	EAN-No. 4000896+
4900-24	062201
Spacer ring for the tensioning jaw 4900-24 • Especially advantageous if HAZET 4900-22 and -24 already exists	
4900-243	162932

Made in Germany



HAZET No.	EAN-No. 4000896+
• For driver's cabin with steel springs **MERCEDES-BENZ** Actros (MP-1) 1996 → · Atego 1998 →	
4900-25	121670

Made in Germany



HAZET No.	EAN-No. 4000896+
• For driver's cabin with steel springs **MERCEDES-BENZ** Actros (MP-1) 1996 → · Atego 1998 →	
4900-26	121687

Made in Germany



HAZET No.	EAN-No. 4000896+
4900-30	100514

Made in Germany





HAZET No.	∅ mm	EAN-No. 4000896+
4900-31	136–189.5	138036
• **Plastic insert** for protection of the lacquered spring surfaces preventing coil damage due to corrosion		
4900-310	–	167715

4900 Tensioning jaw

Made in Germany



HAZET No.	EAN-No. 4000896+
4900-33	138043

Made in Germany



HAZET No.	∅ mm	EAN-No. 4000896+
4900-35	95–130	121212

4900 Tensioning jaw set · MERCEDES-BENZ

Made in Germany

- **With brake**

- Application: Operation of the coil springs of the front axle on **MERCEDES-BENZ,** type 204 (C-Class), type X 204 (GLK-Class), type 212 (E-Class with standard chassis) / type 212 (E-Class with sports chassis)
- (Price per piece)
- To be used together with HAZET Safety Spring Vice 4900-2A
- Safe positioning of the spring struts with pivot bearing
- To be used together with HAZET safety spring vice 4900-2 A, suitable tensioning jaw, e.g. 4900-17 and suitable centring insert (choose according to vehicle type. Note: Please follow the instructions of the manufacturer)

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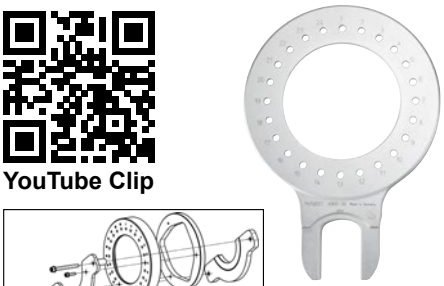


HAZET No.		EAN-No. 4000896+
4900-39/11	11	167678
Centring insert for **MERCEDES-BENZ**, type X204 (C class) • Use with HAZET safety spring vice 4900-2 A, tensioning jaw 4900-17 as well as circular tensioning jaw with brake 4900-39/11		
4900-393	–	167722
Centring insert for **MERCEDES-BENZ**, type X204 (GLK class) • Use with HAZET safety spring vice 4900-2 A, tensioning jaw 4900-17 and plastic spring protection insert 4900-120 as well as circular tensioning jaw with brake 4900-39/11		
4900-394	–	167739
Centring insert for **MERCEDES-BENZ**, type 212 (E-class) with standard chassis • Use with HAZET safety spring vice 4900-2 A, tensioning jaw 4900-31 and plastic spring protection insert 4900-310 as well as circular tensioning jaw with brake 4900-39/11		
4900-395	–	167746

▶

4900 Tensioning jaw set · MERCEDES-BENZ

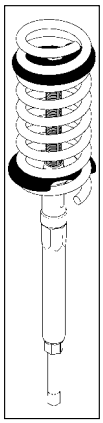
◀

HAZET No.		EAN-No. 4000896+
Centring insert for **MERCEDES-BENZ**, type 212 (E class) with sports chassis • Use with HAZET safety spring vice 4900-2 A, tensioning jaw 4900-17 as well as circular tensioning jaw with brake 4900-39/11		
4900-396	–	167753

4902 Inside spring vice set

Made in Germany

- Application: Installation and removal of the **coil spring on the rear axle**
- Optimally coordinated to the confined spaces in the following vehicles
  BMW
  1 Series
  – E87 Hatchback model year 2003 → 2011
  – E81 Hatchback model year 2006 → 2013
  – E82 Coupé 2006 → 2014
  – E88 Convertible model year 2007 → 2015
  – F20 · F21 model year 2011 → 2019
- 2 Series
  – F22 · F23 · F87 model year 2013 →
- 3 Series
  – E90 → Notchback model year 2004 → 2012
  – E91 → Touring model year 2004 → 2013
  – E92 → Coupé model year 2005 → 2013
  – E93 → Convertible model year 2005 → 2013
  – F30 · F31 · F34 · F35 · F80 model year 2011 → 2019
- 4 Series
  – F32 · F33 · F36 · F82 · F83 model year 2013 → 2020
- X1
  – E84 model year 2009 → 2015
- Pendulum 6-point head provides a uniform distribution of power with the integrated twist protection
- Internal guidance of the tensioning jaws prevents the spring from sliding out
- Both-sided spindle operation possible
- Plastic box



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HAZET No.	l mm	∅ mm		EAN-No. 4000896+
• Inside spring vice set, contents: 4902-1 · 10 · 11 · 210 · 224 4910-1				
4902/6	–	–	6	121694
• Inside spring vice				
4902-1	–	–	–	122639
• Tensioning jaw				
4902-10	–	95–100	–	122646
4902-11	–	95–100	–	122653
• Tubular box wrench, size 10 mm				
4902-210	–	–	–	122677
• Tubular box wrench, size 24 mm				
4902-224	–	–	–	122660
• Reversible ratchet • Output: 12-point 21 mm				
4910-1	275	–	–	062133

4904 Universal inside spring vice

Made in Germany

- **Universal application on almost all passenger cars**

- Application: Installation and removal of the **coil spring on the rear axle**
- Anti-rotation device for lower tensioning jaws integrated in the base component reduces the outer diameter to only 32 mm thanks to compact design
- Pendulum hexagonal head for equal force distribution with integrated anti-rotation protection for upper tensioning jaws
- One-sided counterholder for the spindle made possible by hexagon on top, e.g. with combination wrench HAZET 600 N-13
- Removal and installation of springs with small coil spacing, e.g. for the **MINI** Cooper S (third generation) · **VW** Passat (B8)
- Extension of the span to 120 mm and an increase of the maximum load for increasing vehicle weights (electric and hybrid vehicles), for safe working up to 31,000 N → Tested with at least four-fold safety against breakage (GS mark of tested safety)
- 17° angular movement of the tensioning jaws now ensures removal of C-shaped (bent) springs, e.g. on the **AUDI** A4 (B9) · **VW** Golf 7
- Internal and external guidance of the tensioning jaws prevents the spring from sliding out
- All tensioning jaws included, reusable, replaceable plastic protective pads
- L-Boxx 102 with soft foam insert and operating instructions
- Developed and produced „Made in Germany“
- Universal use and tested on vehicles made from the following manufacturers: **AUDI** · **BMW** · **CITROËN** · **FIAT** · **FORD** · **HYUNDAI** · **KIA** · **MAZDA** · **MERCEDES BENZ** · **MINI** · **OPEL** · **PEUGEOT** · **RENAULT** · **SEAT** · **ŠKODA** · **TOYOTA** · **VOLKSWAGEN**

Highlights:

- Easy handling for just one user
- Eliminates time-consuming work associated with most spring removal:
  – Removal of axle parts unnecessary
  – Axle alignment no longer necessary
  – Removal and installation possible in just a few minutes on each side
- **Conclusion:** Compact HAZET design enables spring replacement on many vehicles with remarkable time savings!
- Plastic box
- Soft foam insert





YouTube Clip





HAZET No.	∅ mm		EAN-No. 4000896+
• 6-piece set, contents: – 1 inside spring vice 4904-1 – 1 tensioning jaw 4904-10 · span width 64 – 115 mm – 1 tensioning jaw 4904-11 · span width 64 – 115 mm – 1 tensioning jaw 4904-12 · span width 79.5 – 133 mm – 1 tensioning jaw 4904-13 · span width 79.5 – 133 mm – 1 tubular box wrench 4902-224 · s 24 mm			
4904/6	–	6	238897
• Inner spring vice: spindle · drive nut · pressure sleeve with anti-rotation device			
4904-1	–	–	236251
• Tensioning jaw · span width 64 – 115 mm			
4904-10	64–115	–	236213
4904-11	64–115	–	236220
• Tensioning jaw · span width 79.5 – 133 mm			
4904-12	79.5–133	–	236237
4904-13	79.5–133	–	236244
• Plastic protective pad (2 piece)			
4904-100/2	–	–	240036
4904-120/2	–	–	240043
• Tubular box wrench, size 24 mm			
4902-224	–	–	122660

Components and spare parts from page 482 to 490

4912 Support device

Made in Germany

• Can be used on almost all vehicles – helpful on vehicles with multi-link axle

• Application: Prevents unwanted raising of the chassis during a spring tensioning process
• Protective pads prevent damage to the vehicle parts
• Facilitates removal of rear axle springs
• Safety: visual chain provides a reminder for tool removal
• Use together with universal spring vice set 4904/6
• Clamping range: 80 – 127 mm
• Thrust block diameter: 30 mm
• Chain length: 750 mm



HAZET No.	EAN-No. 4000896+
4912-6	238835

4903 Universal spring vice

Made in Germany

• Increased safety – thanks to load-free installation

• Can be used for almost any spring strut / shock absorber
• Load-free disassembly / assembly with completely relieved shock absorber
Innovative socket and installation concept
• Swivels in horizontal or vertical working position, HAZET recommends ergonomic working height: adjust vertically, operate horizontally
• Damage to shock absorbers and head plates impossible (no overload risk)
• Simple, lockable strut mount
High safety
• Consistently reliable mounting of head plates
• Thread damage to piston rod impossible
• Permanent fixation of spring throughout operation
Secured investment – by using existing components of SYSTEM 4900
• Existing basic units 4900-2A and all tensioning jaws of System 4900 may be used
• Use of future applications is assured
Allows record keeping by scaling
• If recurring, significant time savings by scaling
• Firm fixation eliminates readjustment at the same spring strut (left / right)
4 steps to success:
1. Fix spring strut on clamping disc via gripper and brakes
2. Grip spring with universal tensioning jaw
3. Operate tensioning device with reversible ratchet, cordless screwdriver or air ratchet
4. Disassemble shock absorber without load and install new one (afterwards in reverse order)

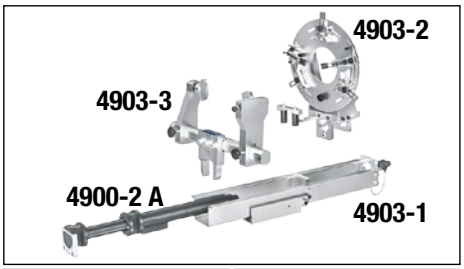


YouTube Clip

►

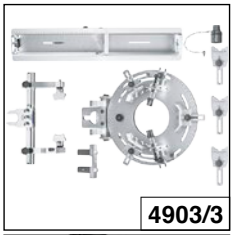
4903 Universal spring vice

◄















HAZET No.		EAN-No. 4000896+
• Basic support for the installation of the safety spring vice basic unit (including safety adapter) • Perfect basic equipment if the basic unit 4900-2 A already exists		
4903-1	–	179824
• By using the clamping disc and the universal tensioning jaw, the basic support 4903-1 or the set 4903/2 A becomes a completely stationary universal spring vice • 2-piece set, contents: • 4903-2 universal clamping disc, adjustable • 4903-3 universal tensioning jaw, adjustable, safety adapter included		
4903/2	2	180530
• Perfect choice, if the safety spring vice basic unit 4900-2 A already exists • 3-piece set, contents: • 4903-1 basic support • 4903-2 universal clamping disc, adjustable • 4903-3 universal tensioning jaw, adjustable, safety adapter included		
4903/3	3	180554
• The perfect complete package • 4 pieces, contents: • 4900-2 A safety spring vice basic unit • 4903-1 basic support • 4903-2 universal clamping disc, adjustable • 4903-3 universal tensioning jaw, adjustable, safety adapter included		
4903/4	4	180561
• Universal clamping disc, adjustable		
4903-2	–	179831
• Universal tensioning jaw, adjustable		
4903-3	–	179848
Safety spring vice basic unit • Coil spring when changing shock absorber (please note safety spring vice classification table on the Internet or in the tool catalogue)		
4900-2 A	–	077267
• **Replacement set** for universal spring vice 4903-1 consisting of 2 straight pins and 1 O-ring		
4903-01/3	–	181704
• **Brake** for 4903-1		
4903-04	–	226351

Components and spare parts from page 482 to 490

4910 Shock absorber tool set

Made in Germany

- Application: Repair work at the strut e.g. shock absorber, strut mounting, coil spring
- Counterholder for piston rod when removing and installing the spring strut
- **Caution:** Follow vehicle manufacturer's specifications concerning torque values
- Application e.g. with torque wrench, e.g. HAZET 6291–1 CT together with insert box-end wrench 6630 d-21
  Application of an impact wrench may damage the thrust bearing and the piston rod
- Shock absorber tool set, contents:
  4910-1
  4910-6 · 7 · 8
  4910-16 · 17 · 18 · 19 · 21 · 22 · 24
  4910-58 · 68

YouTube Clip

1/3



HAZET No.	L x W x H mm		EAN-No. 4000896+
4910/13	355x235x65	13	061495

4910 Reversible ratchet

Made in Germany

- Application: Repair work at the strut e.g. shock absorber, strut mounting, coil spring
- Reversible ratchet
- Output: 12-point 21 mm



HAZET No.	l mm	EAN-No. 4000896+
4910-1	275	062133

4910 Socket · hexagon

Made in Germany

- Application: Repair work at the strut e.g. shock absorber, strut mounting, coil spring
- Retaining the piston rod when removing and installing the spring strut
- **Caution:** Follow vehicle manufacturer's specifications concerning torque values
- Drive *s* 21 mm



HAZET No.	s mm	l mm	EAN-No. 4000896+
4910-16	16	82	062010
4910-17	17	82	062027
4910-18	18	82	062034
4910-19	19	82	062041
4910-21	21	82	062058
4910-22	22	82	062065
4910-24	24	82	062072

4910 Counterholder for piston rod

Made in Germany

- Application: Repair work at the strut e.g. shock absorber, strut mounting, coil spring
- Drive with ball race



HAZET No.	s mm	l mm	EAN-No. 4000896+
• On e.g. **BMW** 1 Series F20 · F21 model year 2011 → 2 Series F22 · F23 · F45 · F46 model year 2013 → 3 Series F30 · F31 · F34 · F35 model year 2011→ 4 Series F32 · F33 · F36 model year 2013 → X1 F48 · F49 model year 2015			
4910-5	5	122.5	214549
4910-6	6	122.5	062089
4910-7	7	122.5	062096
4910-8	8	122.5	062102

Made in Germany

- Application: Repair work at the strut e.g. shock absorber, strut mounting, coil spring
- Drive with ball race



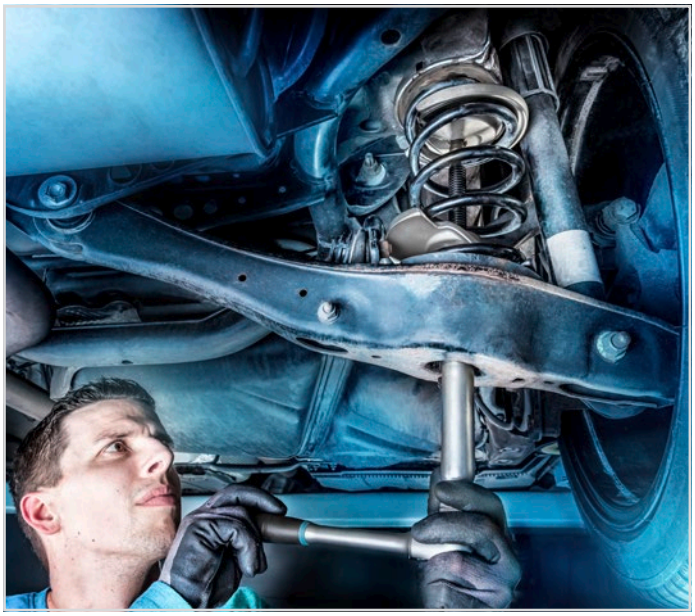
HAZET No.	s mm	l mm	EAN-No. 4000896+
4910-58	O 5x8	122.5	062119
4910-68	O 6x8	122.5	062126
• For **PORSCHE** Cayenne S · **VW** Touareg · Touran · Sharan			
4910-71	O 7.1x9.6	122.5	091195

Made in Germany

- Application: Repair work at the strut e.g. shock absorber, strut mounting, coil spring
- Drive with ball race
- For **OPEL/VAUXHALL** Astra H · **MERCEDES-BENZ** C-Class (204) · E-Class (212) · E-Class Coupé (207)



HAZET No.	s	l mm	EAN-No. 4000896+
4910-T 50	T50	122.5	120598



Components and spare parts from page 482 to 490

4915 Shock absorber tool set

- Application: For repair work at the spring strut e.g. shock absorber, spring strut bearing, coil spring
- Retaining the piston rod when removing and installing the spring strut
- **Caution:** Follow vehicle manufacturer's specifications concerning torque values
  – Application with torque wrench e.g. HAZET 6291-1 CT together with box-end insert tool 6630 d-21
  – Application of an impact wrench may damage the thrust bearing and the piston rod



1/3





606 • ⬣
21



4910 • ○ • 12.5 ½
6 • 7 • 8



4910 • ✪ • 12.5 ½
T 50



4910 • ◉
16 • 17 • 18 • 19
21 • 22 • 24



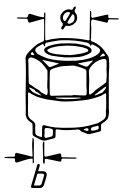
4910 • O • 12.5 ½
O 5x8 • O 6x8
O 7,1x9,6

HAZET No.	L x W x H mm		EAN-No. 4000896+
4915/15	355x235x65	15	179213

2593 Shock absorber crown wrench

Made in Germany

- Application: Operation of **shock absorber screw connections (repairs)** on **VW, SEAT and AUDI** vehicles (front axle)
- ✪ drive 22 mm, *w* = width of pins
- Surface: chrome-plated



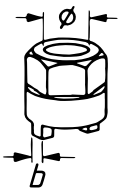


HAZET No.	⬢ mm	∅ mm	b mm	EAN-No. 4000896+
2593-4	22	14.5	5	017263

2780 Shock absorber crown wrench

Made in Germany

- Application: Operation of **shock absorber screw connections** (upper journal fitting) on **MERCEDES-BENZ** type 203 (C-Class model year 2000→)
- ✪ drive 22 mm, *w* = width of pins
- Surface: chrome-plated





HAZET No.	⬢ mm	∅ mm	b mm	EAN-No. 4000896+
2780-1	22	14.1	2.6	082858

2710 Camber adjustment specialty tool

Made in Germany

- **Specialty tool, tuned to the extremely hard-to-access shock absorber screw connection**

- Application: Shock absorber screw connection for camber adjustment on **MERCEDES-BENZ** Sprinter, **VW** Crafter
- Specialty tool enables:
  – Operation even with unfavourable spatial conditions on a measurement platform
  – The necessary force transmission for screwing operation



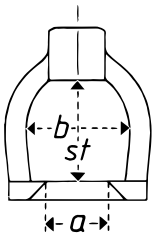
HAZET No.	EAN-No. 4000896+
2710-21	206414

Wheel Bearing / Wheel Hub

1779 Ball joint puller

Made in Germany

- Application: Removing the **ball joint pivots** of steering tie rods, stabilizers, etc.
- *a* = Jaw opening
- Surface: galvanised



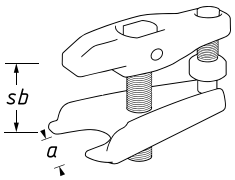


HAZET No.	a mm	b mm	st mm	EAN-No. 4000896+
1779-18	18	40	33	136001
1779-23	23	50	42	136018
1779-27	27	54	54	136025
1779-37	37	75	77	136032
• E.g. for commercial vehicles **MAN · MERCEDES-BENZ** etc.				
1779-55	55	81.3	80	136407

1779 Universal ball joint puller

Made in Germany

- Application: Removing the **ball joint pivots** (jaw opening 23 mm) of steering arms, steering tie rods, stabilizers etc. on the most common vehicles
- Great clamping range due to continuous vertical adjustment and turn-over of the lower part



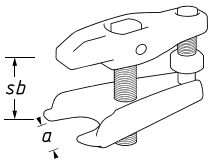


HAZET No.	a mm	sb mm	EAN-No. 4000896+
1779-1	23	65	135974

1779 Universal ball joint puller

Made in Germany

- **Sturdy design and deep location groove enable a safe and universal application, e.g. for light commercial vehicles**
- Application: Removing the **ball joint pivots** of steering arms, steering tie rods, stabilizers etc.
- For the most common vehicles



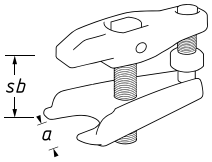


HAZET No.	a mm	sb mm	EAN-No. 4000896+
1779-3	32	85	135998

1779 Ball joint puller

Made in Germany

- Application: Removing the **ball joint pivots** of steering arms, steering tie rods, steering knuckles, stabilizers etc.
- Clamping range: 50–80 mm
- Length of the jaw: 35 mm



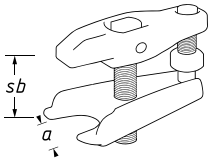


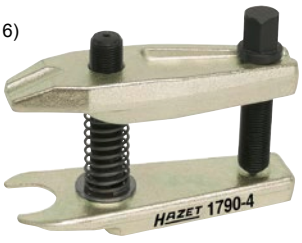
HAZET No.	a mm	sb mm	EAN-No. 4000896+
1779-22	20	50–80	141654

1790 Ball joint puller

Made in Germany

- Application: Removing **ball joint pivots on vehicles with multi-link axle** e.g. **AUDI** A6 and A8, **VW** Passat, Golf
- Surface: galvanised, passivated (free from Cr 6)





HAZET No.	a mm	sb mm	EAN-No. 4000896+
1790-4	30	65	145447

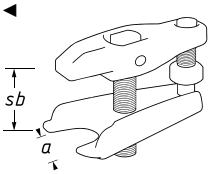
1790 Universal ball joint puller

Made in Germany

- Application: Removing the **ball joint pivots** of steering tie rods, stabilizers, etc.
  For **FORD, BMW, Volvo, TOYOTA, OPEL/ VAUXHALL, VW, AUDI, RENAULT**
- Jaw opening: 20 mm
- Clamping range (sb) in 2 stages
  stage 1: up to 30 mm
  stage 2: up to 50 mm



1790 Universal ball joint puller

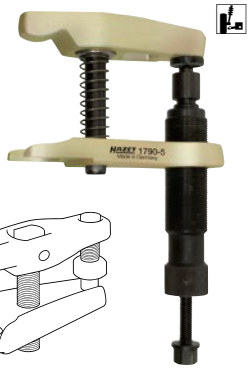


HAZET No.	a mm	sb mm	EAN-No. 4000896+
1790-7	20	12–50	148073

1790 Ball joint puller

Made in Germany

- **Supported by hydraulic system**
- Application: Safe removal of **ball joint pivots** and ball joints
- Surface: galvanised, yellow passivated (free from Cr 6)
- For passenger cars · vans · commercial vehicles
- Load maximum 12 tonnes



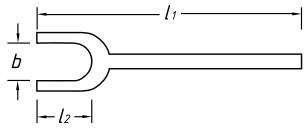
HAZET No.	a mm	sb mm	EAN-No. 4000896+
1790-5	32	70	145461

1780 Removal and assembly fork

Made in Germany

- **Proven and economical system**
- Application: Wedge-shaped fork end allows fast operation of push rod and steering tie rod ends, pitman arms and other parts of the steering
- Easy to handle
- Shock absorber removal and other separation work
- Application possible in confined spaces
- Sturdy forged design





HAZET No.	l_1 mm	l_2 mm	b mm	EAN-No. 4000896+
1780-18	340	80	18	133345
1780-23	340	80	23	133352
1780-29	350	80	29	133376

1781 Universal wheel hub puller

Made in Germany

- Sliding and interchangeable puller hooks
- With 5 puller hooks
- Surface: galvanised



HAZET No.	Max. t.	sb mm	Spindle	EAN-No. 4000896+
1781-5	10	115–225	G ¾" x 200 mm	136049

Components and spare parts
from page 482 to 490

2583 Wheel bearing tool

Made in Germany

- For the adjustment of torsion bars
  – Removal of wheel bearings on VW transporter T4
- Long design
- With knurling
- Surface: matt chrome-plated

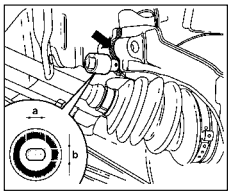


HAZET No.	s mm	l mm	EAN-No. 4000896+
2583	27	140	017034

4912 Spreader

Made in Germany

- Application: Expansion of the spring strut and ball joint mounting (separating the spring strut from the wheel bearing housing)
- Drive with ball race



360°



HAZET No.	s mm	l_1 mm	l_2 mm	EAN-No. 4000896+
• Application e.g. for **VW** Fox model year 2005→ · Polo model year 2002→ · New Beetle, Golf model years 1998 to 2004 · Tiguan model year 2008→ · Eos model year 2006→ · Passat model year 2006→ · Touran model year 2003→ · Caddy model year 2004→ · T5 model year 2004→ • **AUDI** A2 model year 2001→ · A3 model year 2004→ · A4 model years 2001 to 2008 · A5 model year 2008→ · A6 model year 2008→ · TT model year 2007→ • **SEAT · ŠKODA** • ◐ 5.5x8 mm				
4912-1	◐ 5.5x8	10	48	156368
• Application on e.g. **RENAULT · PEUGEOT · CITROËN · VW** Golf 7 · **SEAT** León 3 • ◐ 5x7 mm				
4912-2	◐ 5x7	10	49	155804
• Application on e.g. **BMW · MINI** • ◐ 6x8 mm				
4912-3	◐ 6x8	10	49	217427
• Application on e.g. **MERCEDES-BENZ** Sprinter, type 910 with front-wheel drive model year 2018 → • ◐ 7.8x11 mm				
4912-4	◐ 7.8x11	10	50	222551

4912 Universal spreader · mechanical

Made in Germany

- **Large spreading range enables universal use**
- **Parallel pressure surfaces prevent the tool from accidentally popping out or slipping off**



- Application: Expansion of the spring strut and ball joint mounting (separating the spring strut from the wheel bearing housing)
- Output: parallel pressure surfaces
- Spreading range: 5.0 – 11.5 mm
- Counterholding with s 17 possible



HAZET No.	l mm	EAN-No. 4000896+
4912-5	56	239900

4912 Camber adjustment tool set

- **Suitable for VW Golf, Jetta, SEAT Toledo, etc.**

- Enables camber adjustment by one person only
- Tool significantly reduces the time required for the operation
- Sturdy 6-point spindle with *s* 22 mm for easy application
- Span width: 135 – 175 mm

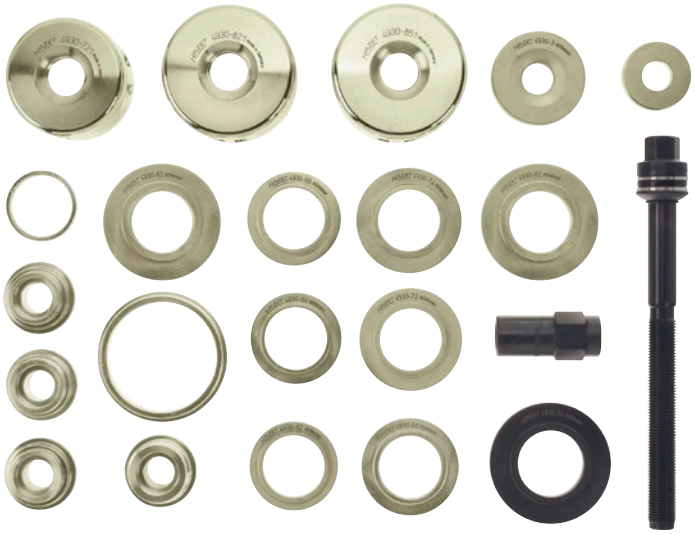


HAZET No.	▪	EAN-No. 4000896+
4912-3/2	2	166596

4930 Wheel bearing tool set

Made in Germany

- Wheel bearing tool set for mechanical and hydraulic operation
- Hydraulic operation together with the hollow piston cylinder 4932-17 and threaded spindle 4932-TR20
- Plastic box
- Soft foam insert, extendable
- Wheel bearing tool set, contents:
  4930-1 · 2 · 3 · 4 · 5 · 7
  4930-721 · 821 · 851
  4930-34x40 · 39x41 · 35x42 · 37x45
  4930-62 · 64 · 66 · 68 · 72 · 74 · 80 · 82 · 84





HAZET No.	▪	EAN-No. 4000896+
4930-1/22	22	164776

4930 Threaded spindle

Made in Germany

- TR20 x 2
- Including thrust bearing
- Hexagon drive *s* 22
- Loading capacity maximum 12 tonnes.



HAZET No.	l mm	EAN-No. 4000896+
4930-1	270	080755

4930 Spindle nut

Made in Germany

- Hexagon drive *s* 30



HAZET No.	EAN-No. 4000896+
4930-2	080762

4930 Spacer plate

Made in Germany



HAZET No.	EAN-No. 4000896+
4930-4	081141
4930-5	082834

4930 Reduction ring

Made in Germany



HAZET No.	EAN-No. 4000896+
• For **VW** Polo C and **PEUGEOT** 106 • Together with housing 4930-721 **4930-6**	083633
• Inside ∅ 45 mm in conjunction with 4930-8245 **4930-8**	097890

4930 Centring disc

Made in Germany

- Installing the wheel bearing on **AUDI** A4 · A6



HAZET No.	EAN-No. 4000896+
4930-9	121465

4930 Centring sleeve

Made in Germany



HAZET No.	EAN-No. 4000896+
• For bearing inner ∅ 35 / 40 mm **4930-35 x 40**	081066
• For bearing inner ∅ 35 / 42 mm **4930-35 x 42**	081035
• For bearing inner ∅ 37 / 45 mm **4930-37 x 45**	081073
• For bearing inner ∅ 39 / 41 mm **4930-39 x 41**	081028

4930 Thrust washer

Made in Germany



HAZET No.	EAN-No. 4000896+
• For bearing outer ∅ 74–76 mm **4930-74**	080977
• Together with 4930-8 inner ∅ 45 mm • For bearing outer ∅ 82 mm **4930-8245**	097746

4932 Hollow piston cylinder

Made in Germany

- **Compact hydraulic cylinder with a capacity of 17 tonnes**

- Convenient spring reset
- For threaded spindle 4932 TR 20 and nut 4930-2
- Traction side: M 27 x 2, alternatively M 42 x 2, using the optional adapter
- Pressure side: 2-1/4“ – 14 UNS inside thread: TR 20, alternatively M20, using the optional adapter
- Stroke: 45 mm
- Outside ∅: 80 mm
- Cylinder height – retracted: 206 mm / extended: 251 mm
- Including coupling, protective cap and adapter 4932-M 20
- Weight: 5.5 kg
- Max. working pressure [bar]: 700 bar



HAZET No.	EAN-No. 4000896+
4932-17	159741

Components and spare parts from page 482 to 490

4932 Threaded spindle

Made in Germany

- **Threaded spindle** with steel cable TR 20 (for hollow piston cylinder 4932-17 and nut 4930-2)



HAZET No.	l mm	EAN-No. 4000896+
4932-TR 20	546	159765

4934 Pressure plate

Made in Germany

- Together with hollow piston cylinder 4932-17
- Thread inside: M 27 x 2



HAZET No.	∅ mm	EAN-No. 4000896+
• Hydraulic **pressure plate** for 4934-2585/12 when using 4932-17		
4934-8510	137	159628

4930 Housing

Made in Germany

- Thread inside: M 27 x 2



HAZET No.	EAN-No. 4000896+
• **Housing** ∅ 72 mm for product group 4930 using 4932-17 with 4932-TR 20 and 4930-2	
4930-721	159598
• **Housing** ∅ 85 mm for product group 4930 when using 4932-17 with 4932-TR 20 and 4930-2	
4930-851	159611

4932 Adapter for hollow piston cylinder · 4932-17

Made in Germany



HAZET No.	EAN-No. 4000896+
Adapter for threaded spindle with thread M 20 • Increases compatibility of HAZET hollow piston cylinder with further threaded spindles and specialty tools • Also suitable for tools of other manufacturers	
4932-M 20	165681
Adapter for Klann hollow piston cylinder KL-0040-2500 • Coupler thread for HAZET housings 4930-721 · -821 · -851 as well as pressure plates 4934-10 · -8510 · -7801 • Coupler thread: M 27 x 2 • Outside ∅: 80 mm	
4932-M 27 x 2	160037

▶

4932 Adapter for hollow piston cylinder · 4932-17

◀

HAZET No.	EAN-No. 4000896+
Adapter for hollow piston cylinder HAZET 4932-17 • Adapter with coupler thread for operating tools made by Klann • Coupler thread: M 42 x 2 • Outside ∅: 80 mm • Enables working with the operating tool made by Klann for wheel bearing and silent block tools by using the HAZET hollow piston cylinder 4932-17	
4932-M 42 x 2	183432

4932 Air-hydraulic pump

Made in Germany

- **With manometer** and 1.8 metre hydraulic hose with coupling
- Air inlet thread: **12.91 mm** (¼")
- Hydraulic connection: **16.41 mm** (⅜") – 18 NPTF
- Big pedal: pump, hold, release
- Tank made of sheet steel
- Filling capacity: 1500 cm³
- Useful capacity: 1000 cm³
- Dimensions: 260 x 140 x 186 mm
- Max. working pressure [bar]: 700 bar



HAZET No.	EAN-No. 4000896+
4932 N-110	187393

4931 Inner bearing extractor set

Made in Germany

- **For inner bearing rings that rest against the wheel hub**

- Application: Extracting the inner bearing rings on the wheel hub when removing the wheel bearing
- Increased torque allows firm collet chuck tightening. Preventing from slipping-off the bearing ring
- Also suitable for types with ABS housing (in particular for permanently attached versions)
- For **AUDI · BMW · FORD · MERCEDES-BENZ · PEUGEOT · RENAULT · TOYOTA · VW**
- Spindle with motion screw thread allows high removal forces
- Torque arm for holding entire assembly in machinist's vice for optimal work
- 4 chucks (40 to 45 mm / 45 to 50 mm / 50 to 55 mm / 55 to 61 mm) covering all diameters from 40 to 61 mm
- Detailed, illustrated operating instructions
- Plastic box
- Soft foam insert





HAZET No.		EAN-No. 4000896+
4931-1/8	8	155538

HAZET compact wheel hub bearing unit tool sets

Diversity with system!

- For removing and installing the wheel hub bearing unit when installed on vehicles from the **VOLKSWAGEN Group (VW, AUDI, SEAT, ŠKODA)**
- Provides security and effectiveness
- Suitable for all common wheel hub and wheel bearing dimensions
- Usable with threaded spindle 4930-1 and spindle nut 4930-2
- Affordable starter set for ∅ 72 mm wheel bearings
- Perfect supplementary sets for ∅ 62 mm and ∅ 66 mm
- Special set 4934-2585/12 for ∅ 85 mm units completes the product range

www.hazet.de
Further information:
HAZET Online catalogue

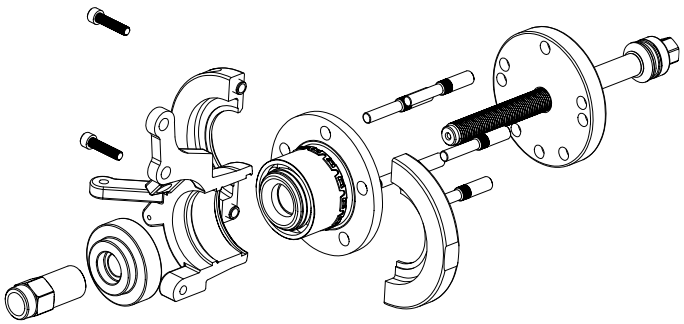


Basic Working Equipment:

Spindle
4930-1



Spindle nut
4930-2





Suggestion on how to put a set together

from professionals for professionals:

	4934-2572/12	– Starter set	(∅ 72 mm)
+	**4934-2562/6**	– Supplementary set	(∅ 62 mm)
+	**4934-6605/3**	– Thrust rings for installation	(∅ 66 mm)

= Perfect equipment

Single parts available – please contact your HAZET partner!

Made in Germany

Components and spare parts
from page 482 to 490



Classification examples:

NTN SNR

For more information see our website:
www.hazet.de → Tool Finder → Wheel Bearings

Technical modifications of the vehicle manufacturers are subject to change without notice

Type	Year of bearing installation	Note	Position	∅ Bearing	HAZET Wheel bearing tool set	NTN-SNR Reference wheel bearing tool set
AUDI						
A1	5/2010		Front axle	72 mm	4934-2572/12 & 4930-1 & 4930-2	R157.32
A2 1.4 i/1.6 FSI/1.4 Tdi (AU24)	6/2000	With Anti-Lock Braking System (ABS)	Front axle	72 mm	4934-2572/12 & 4930-1 & 4930-2	R157.32
A2 1.2 TDi (AU24)	3/2001		Front axle	62 mm	4934-2562/6 & 4930-1 & 4930-2 & 4934-2572/12	R154.52
SEAT						
Córdoba 4	9/2002→6/2005		Front axle	72 mm	4934-2572/12 & 4930-1 & 4930-2	R157.32
Córdoba 4 1.2 i/1.4 i/1.4 TDi/1.6 i/ 1.9 SDi/1.9 TDi	6/2005		Front axle	66 mm	4934-2566/6 & 4930-1 & 4930-2 & 4934-2572/12	R157.49
Córdoba 4 1.9 TDi 131PS (Engine ALZ,BLT)	6/2005		Front axle	72 mm	4934-2572/12 & 4930-1 & 4930-2	R157.32
Córdoba 4 2.0 i	6/2005		Front axle	72 mm	4934-2572/12 & 4930-1 & 4930-2	R157.32
Ibiza 3	9/2001→6/2005	Serial identification no. – 6L-6-000001	Front axle	72 mm	4934-2572/12 & 4930-1 & 4930-2	R157.32
Ibiza 3 1.2 12V/1.4 16V/1.4 TDi/1.6/1.9SDi	6/2005→11/2009		Front axle	66 mm	4934-2566/6 & 4930-1 & 4930-2 & 4934-2572/12	R157.49
Ibiza 3 1.9 TDi 100PS (Engine ATD)	5/2004→11/2009		Front axle	66 mm	4934-2566/6 & 4930-1 & 4930-2 & 4934-2572/12	R157.49
Ibiza 3 1.9 TDi 130PS (Engine ASZ)	6/2005→11/2009		Front axle	72 mm	4934-2572/12 & 4930-1 & 4930-2	R157.32
Ibiza 3 1.9 TDi Cupra 160PS (Engine BPX)	6/2005→11/2009		Front axle	72 mm	4934-2572/12 & 4930-1 & 4930-2	R157.32
Ibiza 3 2.0i/1.8 20V	6/2005→11/2009		Front axle	72 mm	4934-2572/12 & 4930-1 & 4930-2	R157.32
Ibiza 4	3/2008		Front axle	72 mm	4934-2572/12 & 4930-1 & 4930-2	R157.32
ŠKODA						
Fabia (6Y)	8/1999→7/2004	With power steering	Front axle	72 mm	4934-2572/12 & 4930-1 & 4930-2	R157.32
Fabia (6Y) [CZ]	8/1999→7/2002	Without power steering / speed nut serial identification no. – 6Y-2-366084	Front axle	66 mm	4934-2566/6 & 4930-1 & 4930-2 & 4934-2572/12	R178.05
Fabia (6Y) [CZ]	7/2002→7/2004	Without power steering / double hexagon head nut / serial identification no. 6Y-3-366085 -	Front axle	66 mm	4934-2566/6 & 4930-1 & 4930-2 & 4934-2572/12	R157.49
Fabia (6Y) [PL]	8/1999→9/2002	Without power steering / speed nut serial identification no. – 6Y-2X-028027	Front axle	66 mm	4934-2566/6 & 4930-1 & 4930-2 & 4934-2572/12	R178.05
Fabia (6Y) [PL]	9/2002→7/2004	Without power steering / double hexagon head nut / serial identification no. 6Y-2X-028028 -	Front axle	66 mm	4934-2566/6 & 4930-1 & 4930-2 & 4934-2572/12	R157.49
Fabia Facelift (6Y)	8/2004→12/2007	With power steering / with Anti-Lock Braking System (ABS) / wheel rims 14 inch	Front axle	72 mm	4934-2572/12 & 4930-1 & 4930-2	R157.32
Fabia Facelift (6Y)	8/2004→12/2007	Without power steering	Front axle	66 mm	4934-2566/6 & 4930-1 & 4930-2 & 4934-2572/12	R157.49
Fabia 2 (5J)	12/2006	With Anti-Lock Braking System (ABS)	Front axle	72 mm	4934-2572/12 & 4930-1 & 4930-2	R157.32
Fabia 2 Facelift	3/2010	Brake discs 256 mm	Front axle	72 mm	4934-2572/12 & 4930-1 & 4930-2	R157.32

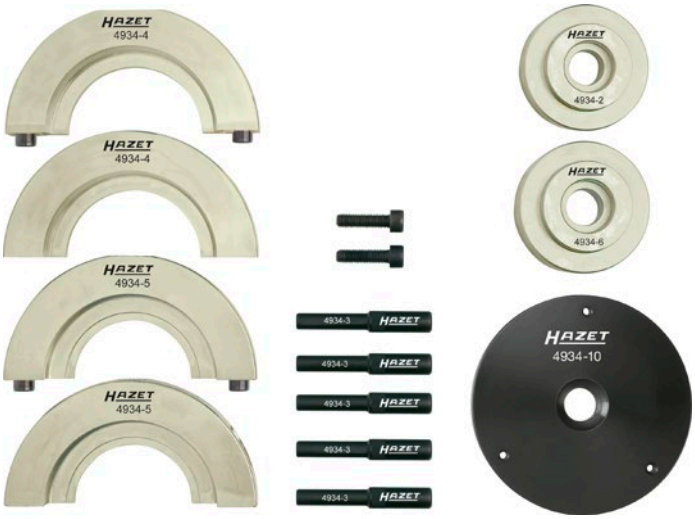
Type	Year of bearing installation	Note	Position	∅ Bearing	HAZET Wheel bearing tool set	NTN-SNR Reference wheel bearing tool set
ŠKODA						
Roomster	3/2006→3/2010	With Anti-Lock Braking System (ABS)	Front axle	72 mm	4934-2572/12 & 4930-1 & 4930-2	R157.32
Roomster Facelift 1.2 i/1.4 i/1.4 TDi/ 1.6 i/1.9 TDi	3/2010	Brake discs 256 mm	Front axle	72 mm	4934-2572/12 & 4930-1 & 4930-2	R157.32
VOLKSWAGEN						
Fox 1.2 i	11/2004	With Anti-Lock Braking System (ABS) / brake discs 239 mm	Front axle	66 mm	4934-2566/6 & 4930-1 & 4930-2 & 4934-2572/12	R157.49
Fox 1.2 i	11/2004	Brake discs 256 mm	Front axle	72 mm	4934-2572/12 & 4930-1 & 4930-2	R157.32
Fox 1.4 i	11/2004	With Anti-Lock Braking System (ABS)	Front axle	72 mm	4934-2572/12 & 4930-1 & 4930-2	R157.32
Fox 1.4 TDi	11/2004	With Anti-Lock Braking System (ABS)	Front axle	72 mm	4934-2572/12 & 4930-1 & 4930-2	R157.32
Lupo 1.2 TDi	5/1999→7/2005		Front axle	62 mm	4934-2562/6 & 4930-1 & 4930-2 & 4934-2572/12	R154.52
Polo 7 (9N) 1.2 i / 1.4 / 1.4FSi / 1.6	1/2002→10/2003	Without power steering	Front axle	66 mm	4934-2566/6 & 4930-1 & 4930-2 & 4934-2572/12	R157.49
Polo 7 (9N) 1.2 i / 1.4 / 1.4FSi / 1.6	11/2003→7/2004	With power steering	Front axle	72 mm	4934-2572/12 & 4930-1 & 4930-2	R157.32
Polo 7 (9N) 1.4 Tdi/1.9 Sdi/1.9 Tdi	11/2001→5/2005		Front axle	72 mm	4934-2572/12 & 4930-1 & 4930-2	R157.32
Polo 8 (9N) 1.2 i/1.4 i/1.4 FSi/1.4 16V/ 1.6	4/2005→7/2007	Without power steering	Front axle	66 mm	4934-2566/6 & 4930-1 & 4930-2 & 4934-2572/12	R157.49
Polo 8 (9N) 1.2 i/1.4 i/1.4 FSi/1.4 16V/ 1.6	4/2005→8/2007	With power steering	Front axle	72 mm	4934-2572/12 & 4930-1 & 4930-2	R157.32
Polo 8 (9N) 1.4 TDi/1.9 SDi/1.9 TDi	4/2005→8/2007		Front axle	72 mm	4934-2572/12 & 4930-1 & 4930-2	R157.32
Touareg 1 2.5 TDi	1/2003→10/2003		Front axle	85 mm	4934-2585/12 & 4930-1 & 4930-2	R154.58
Touareg 1 2.5 TDi	10/2003→11/2006		Front axle	85 mm	4934-2585/12 & 4930-1 & 4930-2	R154.62
Touareg 1	11/2002→11/2006	Wheel rims 16 inch / serial identification no. – 4.035.000	Rear axle	85 mm	4934-2585/12 & 4930-1 & 4930-2	R154.58
Touareg 1	11/2002→11/2006	Wheel rims 16 inch / serial identification no. 4.035.001 –	Rear axle	85 mm	4934-2585/12 & 4930-1 & 4930-2	R154.62
Touareg 1 FL	12/2006→5/2010	Wheel rims 16 inch	Rear axle	85 mm	4934-2585/12 & 4930-1 & 4930-2	R154.62
Transporter 7E/7F (T5)	9/2009		Front axle	85 mm	4934-2585/12 & 4930-1 & 4930-2	R154.62
Transporter 7E/7F (T5)	9/2009		Rear axle	85 mm	4934-8507 & 4930-1 & 4930-2 & 4934-2585/12	R154.58
Transporter 7J/7H (T5)	4/2003→8/2003		Front axle	85 mm	4934-2585/12 & 4930-1 & 4930-2	R154.58
Transporter 7J/7H (T5)	8/2003→11/2009		Front axle	85 mm	4934-2585/12 & 4930-1 & 4930-2	R154.62
Transporter 7J/7H (T5)	8/2003→11/2009		Rear axle	85 mm	4934-8507 & 4930-1 & 4930-2 & 4934-2585/12	R154.58

Components and spare parts from page 482 to 490

4934 Compact wheel hubs bearing unit tool set

Made in Germany

- Application: Installing and removing the **wheel hub bearing unit in built-in state**
- HAZET recommends NTN-SNR wheel bearings
- Plastic box
- Soft foam insert, extendable





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HAZET No.		EAN-No. 4000896+

- **Starter set (72 mm Ø)**
  Application requirements: threaded spindle 4930-1 and spindle nut 4930-2
  Application:
  Vehicle types with a ∅ 72 mm wheel bearing:
  AUDI A1 model year 2011→ · A2 model year 2000→ · **ŠKODA** Fabia model year 2000→ · Roomster model year 2006→ · **VW** Polo model year 2002→ · Polo (6R) · Fox model year 2005→ · **SEAT** Ibiza model year 2002→
- Operating instructions with 3-dimensional illustrations
- **12-piece set,** contents:
  pressure plate 4934-10, thrust washer 4934-7802, forcing bolt 4934-3 (5x), back-up ring 4934-4, back-up ring 4934-5, thrust washer 4934-6, 2 cylinder screws

4934-2572/12	12	150410



4934 Compact wheel hubs bearing unit tool set

Made in Germany

- Application: Installing and removing the **wheel hub bearing unit in built-in state**
- HAZET recommends NTN-SNR wheel bearings
- Plastic box
- Soft foam insert, extendable









HAZET No.		EAN-No. 4000896+

Special set (85 mm Ø)
Application:
Vehicle types with an ∅ 85 mm wheel bearing:
VW T5 · T6 (front and rear axle – rear axle only in conjunction with 4934-8507) and Touareg with 16 inch suspension
Basic requirements: threaded spindle 4930-1, spindle nut 4930-2

- Operating instructions with 3-dimensional illustrations
- **12-piece set,** contents:
  pressure plate 4934-8510, thrust washer 4934-7802, forcing bolt 4934-8506 (5x), back-up ring 4934-8504, back-up ring 4934-8505, thrust washer 4934-8505, 2 cylinder screws

4934-2585/12	12	150434

4934 Adapter ring VW T5 · T6

Made in Germany

- **Installing** the wheel hub/wheel bearings at the **VW rear axle** T5 · T6
- Supplementing the compact wheel hub bearing unit tool set 4934-2585/12
- Especially for use together with thrust washer 4934-8506



HAZET No.	EAN-No. 4000896+
4934-8507	154913

4935 Wheel hub / cardan shaft extractor set

Made in Germany

- **If using the optionally available HAZET Hollow Piston Cylinder 4932-17, even tight and stuck cardan shafts will not cause any problems**

- Application: Mechanical removal of cardan shafts using the threaded spindle HAZET 4935-44-M 20
- Suitable for: **ALFA ROMEO · AUDI · BMW · CITRÖEN · FIAT · LADA · LANCIA · MERCEDES-BENZ · OPEL/VAUXHALL · PEUGEOT · RENAULT · SAAB · SEAT · VW** etc.

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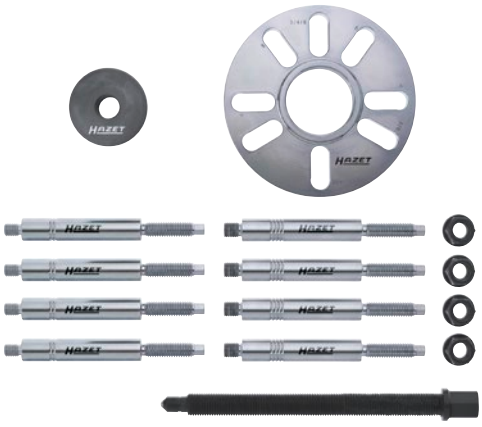

HAZET No.		EAN-No. 4000896+
• Wheel hubs / cardan shaft set, contents: 4935-40-M 12 · 4935-41-M 14 4935-44-M 20 · 4935-45-M 14 4935-42 · 4935-43		
4935-2/15	15	164479
• **Tension bolt** M12 x 1.5		
4935-40-M 12	–	166749
• **Tension bolt** M14 x 1.5		
4935-41-M 14	–	166732
• **Adapter** 2.1/4"-14UNS		
4935-43	–	166664
• **Hexagon collar nut** M 14		
4935-45-M 14	–	165612
• **Bolt circle plate** ∅ 160 mm, for bolt circles ∅ 90 to 130 mm		
4935-42	–	166657
• **Threaded spindle** 230 mm long		
4935-44-M 20	–	165629

4960 Wheel hub grinder

- **Prevents the falsification of the wheel bolt tightening torque originated by corrosion**

- Application: Quick and easy removal of rust and dirt from contact surfaces of wheel hubs and brake discs with wheel bolt support
- Open-pored abrasive material and cup-formed grinding disc reduce the formation of dust to a minimum
- No formation of sparks
- 10 mm 3-point pin, e.g. for the use in (air) drills





▶

4960 Wheel hub grinder



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HAZET No.	∅ mm		EAN-No. 4000896+
For wheel hubs on passenger cars and transporters up to 200 mm ∅ e.g. **BMW · FIAT** Ducato · **MERCEDES-BENZ** Sprinter, etc. • Wear-resistant: around 100 vehicles per wheel • Rotation speed maximum 1000 rpm • **3-piece set** contents: 1 grinding pad, 2 grinding wheels ∅ 200 mm			
4960-200/3	200	3	143290
• Hook and loop fastener for quick changing of grinding wheels • **2 spare grinding wheels** ∅ 200 mm			
4960-0200/2	200	2	143306

4960 F Wheel hub grinder

- **Prevents the falsification of the wheel bolt tightening torque originated by corrosion**

- Application: For optimum cleaning of the contact surface on the inner rim
- **11 mm outside hexagon with 3 contact surfaces for attachment e.g. to pneumatic, cordless and corded drilling machines**
- Centre hole guidance and integrated sander for cleaning the wheel centring
- Wear-resistant: around 100 vehicles per wheel
- Open-pored abrasive material and cup-formed grinding wheel reduce the formation of dust to a minimum
- No formation of sparks

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HAZET No.		EAN-No. 4000896+
• Outer diameter up to 160 mm ∅ • For wheel centring diameter: at least 51 mm • Rotation speed maximum 500 rpm • **2-piece set** Contents: 1 base component 1 grinding wheel ∅ 160 mm		
4960 F-160/2	2	218387
• **3 spare grinding wheels ∅ 160 mm** • For 4960 F-160/2 • Hook and loop fastener for quick changing of grinding wheels		
4960 F-0160/3	3	218806

Components and spare parts from page 482 to 490

4960 R Wheel hub grinder

- **Prevents the falsification of the wheel bolt tightening torque originated by corrosion**

- Application: Quick and easy removal of rust and dirt from contact surfaces of wheel hubs and brake discs with wheel bolt support
- **11 mm outside hexagon with 3 contact surfaces for attachment e.g. to pneumatic, cordless and corded drilling machines**
- Wear-resistant: around 100 vehicles per wheel
- Open-pored abrasive material and cup-formed grinding wheel reduce the formation of dust to a minimum
- No formation of sparks









4960 R-0160/3

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HAZET No.		EAN-No. 4000896+
• For passenger car wheel hubs up to 160 mm ∅ • Inner diameter: 75 mm ∅ • Rotation speed maximum 500 rpm • **4-piece set,** contents: 1 base component 3 grinding wheels ∅ 160 mm		
4960 R-160/4	4	218820
• **3 spare grinding wheels ∅ 160 mm** • For 4960 R-160/4 • Hook and loop fastener for quick changing of grinding wheels		
4960 R-0160/3	3	218790

4960 V Wheel hub grinder

- **Prevents the falsification of the wheel bolt tightening torque originated by corrosion**

- Application: Quick and easy removal of rust and dirt from contact surfaces of wheel hubs and brake discs with wheel bolt support
- **With ☐ 12.5 mm (½ inch) inside square collet for attachment e.g. to pneumatic,cordless and corded impact wrenches**
- Wear-resistant: around 100 vehicles per wheel
- Open-pored abrasive material and cup-formed grinding wheel reduce the formation of dust to a minimum
- No formation of sparks
- Quick and safe application of the grinding pad due to toothing and hook and loop







►

4960 V Wheel hub grinder

◄





4960 V-0160/3

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HAZET No.		EAN-No. 4000896+
• For passenger car wheel hubs up to 160 mm ∅ • Inner diameter: 75 mm ∅ • Rotation speed maximum 500 rpm • **2-piece set** Contents: 1 base component 1 grinding wheel ∅ 160 mm		
4960 V-160/2	2	218394
• **3 spare grinding wheels ∅ 160 mm** • For 4960 V-160/2 • Hook and loop fastener for quick changing of grinding wheels		
4960 V-0160/3	3	218813

4960 N Wheel hub grinder

- **Prevents the falsification of the wheel bolt tightening torque originated by corrosion**

- Application: Quick and easy removal of rust and dirt from contact surfaces of wheel hubs and brake discs with wheel bolt support
- Open-pored abrasive material and cup-formed grinding disc reduce the formation of dust to a minimum
- No formation of sparks





HAZET No.		EAN-No. 4000896+
• Hexagon insert for firm hold on the device • **8-point profile** enables safe and firm fixation of the grinding wheel to the base component • For wheel hubs with stud bolts (diameter of grinding zone 40 or 50 mm), e.g. **FORD, PORSCHE, Volvo**, Japanese passenger cars • Wear-resistant: approx. 50 vehicles per wheel **12-piece set,** contents: 1 base component made of aluminium 6 grinding wheels, diameter 50 mm 5 grinding wheels, diameter 40 mm		
4960 N-45/12	12	186860
• Hook and loop fastener for quick changing of grinding wheels • **5 spare grinding wheels** (small) ∅ 40 mm		
4960 N-40/5	5	187232
• Hook and loop fastener for quick changing of grinding wheels • **5 spare grinding wheels** (small) ∅ 50 mm		
4960 N-50/5	5	187126

Silent Block

4925 Tool set for silent blocks

Made in Germany

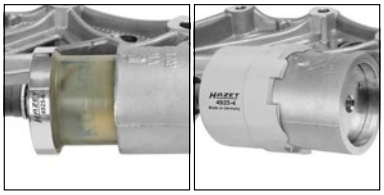
- **For VW, AUDI, SEAT, ŠKODA**

- Application: Removal and installation of the silent blocks located in the operating panel on the wishbone of the front axle
- Working on built-in components
- Tool set spares from axle alignment
- M 12x1.75

VW Polo 9N model years 2002 → 2009 · Fox model year 2005→
AUDI A2 model years 2000 → 2005
ŠKODA Fabia model years 2000 → 2004
SEAT Ibiza · Altea · Córdoba model years 2003 → 2005

- Tool set for silent blocks, contents: 4925-4 · 5 · 6 · 7 · 8 A





HAZET No.		EAN-No. 4000896+
4925-2501/5	5	159406

4925 Spindle set for hydraulic operation

Made in Germany

- Together with hollow piston cylinder 4932-17 for hydraulic installation and removal
- Spindle M 12x1.5 maximum capacity 5 tonnes
- Spindle set for hydraulic operation, contents: 4925-27 · 29 (2x)



HAZET No.	l mm		EAN-No. 4000896+
4925-27/3	422	3	168002

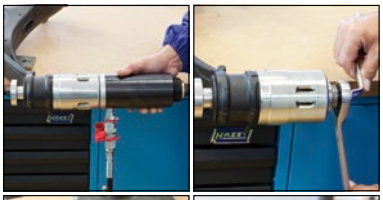


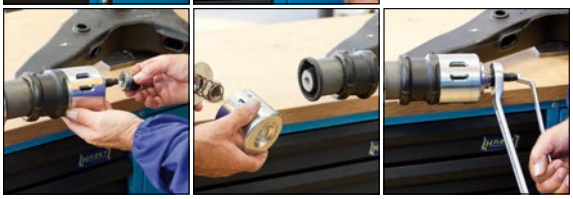
4925 Tool set for silent blocks

Made in Germany

- Application: Extracting and inserting silent block bushings on **VW** Transporter T5 · T6 rear axle
- TR14x2
- Tool set for silent blocks, contents: 4925-10 · 11 · 12 · 13 14 · 15 · 16 · 17 4930-721







HAZET No.	l mm		EAN-No. 4000896+
4925-2505/9	259	9	167920

Made in Germany

- **Silent block replacement from the installed axle control arm/ longitudinal control arm, wheel bearing housing and lower/inside transverse control arm as well as from the upper steering tie rod and the upper transverse control arm, when removed from the vehicle**

- For rear axle silent blocks in:
  VW: Golf 5 Plus / Variant / 4Motion model year 2005 → 2012 · Jetta / Syncro model year 2006 → 2012 · Scirocco model year 2009 → 2012 · Beetle model year 2012 → · Eos model year 2006 → 2012 · Golf 6 · Touran · Tiguan · Passat
  SEAT: Altea model year 2004 → 2012 · Altea XL · León model year 2006 → 2012 · Toledo model year 2005 → 2009
  ŠKODA: Octavia · Superb · Yeti 2004 →
  AUDI: A3 / S3 model year 2004 → 2012 · TT / TTS Coupé/ Roadster model year 2007 → 2012 · Q3
- Mechanical operation with spindle set 4929-1/3 (optional)
- Tool set for silent blocks, contents: 4925-26 · 31 · 32 · 33 · 34 · 35 · 36 · 37 · 38 · 39 · 40 · 41 · 42 · 43 · 44 4930-721





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HAZET No.		EAN-No. 4000896+
4925-2506/16	16	175246

Components and spare parts from page 482 to 490

4925 Tool set for silent blocks

Made in Germany

- **Allows installing / removing directly on the vehicle**

- Application: Silent block installation and removal at the lower wishbone of the front axle
- **AUDI** A3 model years 2003→2012
  SEAT Alhambra model year 2010 · Altea model years 2004→2009 · León model years 2005→2012 · Toledo model years 2004→2009
  ŠKODA Octavia model years 2004→2010 · Superb model years 2008→
  VW Caddy model years 2004→2010 · Eos model years 2006→ · Golf 5/6 model years 2003→2012 · Jetta model years 2005→2010 · Passat model years 2005→2011 · Scirocco model years 2008→ · Touran model years 2003→2010 · Tiguan model years 2007→ · Sharan model years 2008→
- Pre-centring of the silent block allows damage-free installation
- No extensive installation at the workshop press necessary
- Easy operation with mechanical spindle HAZET 4929-1/3 (optional)
- Tool set for silent blocks, contents:
  4925-54 · 55 · 56 · 57

YouTube Clip





HAZET No.		EAN-No. 4000896+
4925-2509/4	4	191116

4925 Double silent block tool set

Made in Germany

- **Removal and installation of the double silent block in the aggregate carrier**

- **AUDI**: A3 · Q3,TT model year 2003 →
  SEAT: León · Altea · Alhambra model year 2004 →
  ŠKODA: Octavia · Superb,Yeti model year 2004 →
  VW: Caddy · Golf 5-6 · Jetta · Sharan · Scirocco · Eos · Touran · Tiguan model year 2003 →
- Operation with HAZET spindle set 4925-67/2 (optional)

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HAZET No.		EAN-No. 4000896+
4925-2510/9	9	194926

4925 Spindle set

Made in Germany

- **Motion screw thread at spindle and spindle nut cause high tractive and compressive output with little effort (torque)**

- Application: Operation of the double silent block tool set HAZET 4925-2510/9
- **2-piece set:**
  4925-67 spindle TR 14 x 2 mm
  4925-11 spindle nut with axial groove bearing



HAZET No.	l mm		EAN-No. 4000896+
4925-67/2	259	2	194940

4929 Spindle set

Made in Germany

- Operation of the tool sets for silent blocks
  4925-2506/16 · -2509/4
- Motion screw thread at the spindle and axial groove bearing at the pressure piece cause high tractive and compressive output by low expenditure of force (torque)
- **3-piece set,** contents:
  4929-1 spindle TR 12x1.5
  4929-2 compression nut with axial bearing *s* 24
  4929-3 hexagon nut



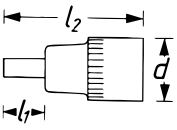
HAZET No.	l mm		EAN-No. 4000896+
4929-1/3	225	3	156900

Cardan Shafts

2584 Screwdriver socket

Made in Germany

- Application: Cardan shaft screw connection (*s* 6 mm)
- Long design
- With knurling





HAZET No.	s mm	l_1 mm	l_2 mm	d mm	EAN-No. 4000896+
2584	6	32	70	23	017041

1847 Clamp pliers for axle boots

Made in Germany

- Application: Installing **axle boots made of Hytrel** and clamps made of special stainless steel with pre-set **torque tightening values** together with e.g. torque wrench HAZET 6110-1 CT
- For **VW · AUDI · SEAT · ŠKODA · OPEL/VAUXHALL · FORD** etc.
- Ergonomically shaped HAZET 2-component handle



▶

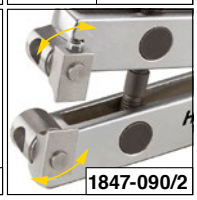
1847 Clamp pliers for axle boots

10 3/8"









HAZET No.	l mm	EAN-No. 4000896+
1847	178	050918
• **Pair of clamping jaws** · for steering gear boots **AUDI** A4 · A5 · A6 · A7 · Q5 in conjunction with 1847 · for refitting		
1847-02/2	–	174447
• **Pair of clamping jaws** · angled 90° · for installation of high-grade steel straps / Hytrel axle boots that are difficult to access • "Movable" sockets enable the ear clamp to be clamped in parallel • Simple conversion of pliers 1847 For 1847 · 1847/3		
1847-090/2	–	206711

1847 Pliers for axle boot clamps

Made in Germany

• **Lug hold-down device**

• Application: For passenger car **axle boot clamps**
• On e.g. **VW · AUDI · OPEL/VAUXHALL · BMW · MERCEDES-BENZ · HONDA · NISSAN · MAZDA**
• Surface: nickel-plated



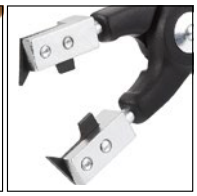

HAZET No.	l mm	EAN-No. 4000896+
1847-1	230	007004

1847 Clamp pliers

Made in Germany

• Application: Operation of **progressively adjustable, earless clamps** e.g. for axle boots on **VW, AUDI, MERCEDES-BENZ and TOYOTA**



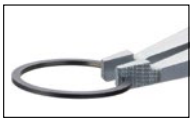


HAZET No.	l mm	EAN-No. 4000896+
1847-11	191	079520

1847 Circlip pliers

Made in Germany

• Application: For snap rings on **outside lockrings**, e.g. gearbox
• Jaws bent 90°, tips chequered
• For outside lockrings
• Surface: chrome-plated




HAZET No.	l mm	EAN-No. 4000896+
1847-2	200	007011

Made in Germany

• Application: For snap rings on **VW, AUDI, OPEL/VAUXHALL, FORD**
• For homocinetic joint or drive shaft
• Jaws bent 10°, tips chequered
• For outside lockrings
• Surface: chrome-plated




HAZET No.	l mm	EAN-No. 4000896+
1847-3	200	007028

Made in Germany

• Application: For circlips on exterior cardan shaft / bearing and gearbox for **VW, AUDI, SEAT, ŠKODA, OPEL/VAUXHALL, FORD etc.**
• Jaws bent 30°
• Surface: chrome-plated




HAZET No.	l mm	EAN-No. 4000896+
1847-6	200	050468

Made in Germany

• Application: Operation of snap rings / circlips on flange and cardan shafts for **VW** e.g. T 4
• Jaws bent 30°
• Surface: chrome-plated





HAZET No.	l mm	EAN-No. 4000896+
1847-61	200	058761

Components and spare parts from page 482 to 490

1847 Circlip pliers set

Made in Germany

- **Easy, damage-free assembly of the drive shaft joint: damage to the serration of joint and shaft is avoided with internal circlip during assembly of the drive shaft joint**

- Application: Correct, centred insertion of the circlip, e.g. when mounting the joint on the drive shaft
- Easy fixing of the locking pliers with the circlip
- The pliers automatically slip down when striking the joint
- Safe work without damage to the bellows
- For drive shafts from all manufacturers
- One-hand operation of the pliers
- No other tools needed

Application tip:

- Insert appropriate half shells (shaft diameter) in pliers
- Place pliers on serration with pre-assembled circlip and clamp
- Pre-positioning of the joint due to conical shape of the pliers makes it easier to introduce the serration without damage
- Suitable for almost all vehicles commonly registered in Europe
- Plastic box 165-L (1/3)
- Safety-Insert-System, 2-component soft foam insert. Insert also suitable for HAZET Assistent





1847-12



1847-124/2



1847-121/2



1847-125/2



1847-122/2



1847-126/2



1847-123/2



1847-127/2



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Gemeinsam entwickelt mit
In partnership with
En collaboration avec
NTN SNR

HAZET No.	L x W x H mm		EAN-No. 4000896+
1847-12/15	355x235x65	15	221288

1847 Components

Made in Germany

HAZET No.	EAN-No. 4000896+
• Circlip pliers	
1847-12	222117
• Half shell pair (∅ 19 mm)	
1847-121/2	221295
• Half shell pair (∅ 21.4 mm)	
1847-122/2	221301
• Half shell pair (∅ 22.3 – 23 mm)	
1847-123/2	221318
• Half shell pair (∅ 23.8 – 24.6 mm)	
1847-124/2	221325
• Half shell pair (∅ 26.2 – 26.9 mm)	
1847-125/2	221332
• Half shell pair (∅ 28.5 – 29.2 mm)	
1847-126/2	221349
• Half shell pair (∅ 30 mm)	
1847-127/2	221356

1847 Supplementary set

Made in Germany

- Half shell pair (∅ 32.8 mm)
- Supplement for 1847-12/15
- Easy, damage-free installation of the drive shaft joint **VW** T5 · T6
- Correct, centred insertion of the circlip, e.g. when mounting the hinge on the drive shaft
- Exact fit, safe storage in the circlip pliers set 1847-12/15 with supplied soft foam insert

YouTube Clip

Gemeinsam entwickelt mit
In partnership with
En collaboration avec
NTN SNR







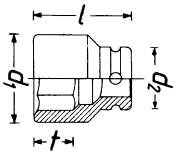
HAZET No.	EAN-No. 4000896+
1847-128/2	242009

3047 Impact socket · 12-point

Made in Germany

- **Operating the 12-point cardan shaft screw connection s 36 mm in the wheel hub**

- Considerably smaller outer diameter ∅ only 47 mm than conventional standard sockets
- Optimally suited to the given spaces in the wheel hub
- For **OPEL/VAUXHALL** Corsa D 2006→ · Adam 2012→ · Mokka 2012→ **CHEVROLET** Trax 2013→ Also for **BMW** · **SEAT** and **VW** vehicles
- With borehole for locking pin or safety spring and grove for O-ring
- Surface: phosphatized, oiled
- DIN 3129, ISO 2725-2



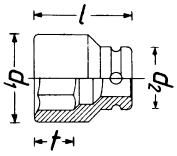


HAZET No.	s mm	l mm	d_1 mm	d_2 mm	t mm	EAN-No. 4000896+
3047-36	36	60	47	30	25	190683

900 SZ Impact socket · 12-point

Made in Germany

- With borehole for locking pin or safety spring and grove for O-ring
- Surface: phosphatized, oiled
- DIN 3129, ISO 2725-2





HAZET No.	l mm	d_1 mm	d_2 mm	t mm	EAN-No. 4000896+
• Operation of cardan shaft screw connection on **VW** Golf model year 2004 →, Touran model year 2004 →, Golf Plus model year 2006 →, Eos model year 2006 →, Scirocco model year 2009 →, Tiguan model year 2008 →, **AUDI** A3 model year 2004 →, TT model year 2007 →					
900 S Z-24	44	35	30	17.5	115556

▶

900 SZ Impact socket · 12-point

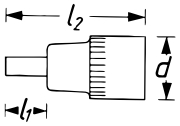
◀

HAZET No.	l mm	d_1 mm	d_2 mm	t mm	EAN-No. 4000896+
• For axle shaft nuts on **VW** Golf 4, Polo, New Beetle, **AUDI** TT 1.8, **ŠKODA** Octavia, Superb, Fabia					
900 S Z-30	50	42	30	23.3	086573
• Operation of cardan shaft screw connection in the wheel hub on **VW** Touareg model year 2003 →, **AUDI** A4 model year 2001 →, A6 model year 2005 →, A8 model year 2003 →, Q7 model year 2007 →					
900 S Z-32	50	44.5	30	22.2	115921
• For **axle shaft nut** on – **BMW** 3 · 5 · 7 Series · Z3 · M3 · **VW** Polo model year 2001→ · **SEAT** Ibiza model year 2002→ – **VW** Golf Plus 1.9 TDi model year 2005 → · Polo 5 **Wheel hub screw connection** on the front axle **RENAULT** Twingo 3 and **SMART** (453) Fortwo / Forfour model year 2014→					
900 S Z-36	60	50	30	25	100132

990 LG Screwdriver socket

Made in Germany

- Application: Install and remove cardan shafts on **VW, AUDI** (XZN screw M 8)
- Long design
- With knurling
- Surface: TiN





HAZET No.	s	l_1 mm	l_2 mm	d mm	EAN-No. 4000896+
990 Lg-8	M8	62	100	23	047352

4935 Drive shaft disassembly / assembly set

Made in Germany

- Application: Disconnecting the drive shaft joint and pulling in the shaft through the wheel hub with just one tool
- Disconnecting the drive shaft joint from the shaft using the sleeves or spindles in conjunction with HAZET **sliding hammer 4797-1** (not included in delivery), for example
- Pulling in the drive shaft through the wheel hub on vehicles where the drive shaft is very difficult to pull through the wheel hub
- Suitable for all vehicle brands
- For drive shafts with outside and inside thread
- Contents (12-piece set):
  2 spindles (M14, M16) for pulling the drive shaft through the wheel hub or for disconnecting the articulated joint from the shaft in case of articulated joints with inside thread
  2 sleeves for supporting on wheel hub
  1 spindle nut
  7 screw sleeve adapters
  – M 16x1.5 **(VAG, MAZDA)**
  – M 18x1.5 **((Volvo, SUZUKI, OPEL/VAUXHALL)**
  – M 20x1.5 **(MERCEDES-BENZ, VAG, MITSUBISHI, MAZDA)**
  – M 22x1.5 **(FIAT, PSA, BMW, FORD, OPEL/VAUXHALL, HYUNDAI)**
  – M 24x1.5 **(RENAULT, BMW, MERCEDES-BENZ, OPEL/VAUXHALL, MAZDA, HONDA, VAG)**
  – M 27x1.5 **(PSA, BMW, FORD)**
  – M 30x1.5 **(MERCEDES-BENZ, PSA, BMW)**

YouTube Clip



►

4935 Drive shaft disassembly / assembly set

◀



HAZET No.		EAN-No. 4000896+
4935-11/12	12	217434
Spindle nut for 4925-2505/9 · 4925-67/2 · 4927-2701/4 · 4935-11/12		
4925-11	–	168590
Spindle for 4935-11/12		
4935-111	–	217571
4935-112	–	217564
Extraction sleeve M 16x1.5 for **AUDI · SEAT · ŠKODA · VOLKSWAGEN · MAZDA**		
4935-1116	–	217588
Extraction sleeve M 18x1.5 for **Volvo · SUZUKI · OPEL/VAUXHALL**		
4935-1118	–	217601
Extraction sleeve M 20x1.5 for **MERCEDES-BENZ · AUDI · SEAT · ŠKODA · VOLKSWAGEN · MITSUBISHI · MAZDA**		
4935-1120	–	217618
Extraction sleeve M 22x1.5 for **FIAT · PEUGEOT · CITROËN · BMW · FORD · OPEL/VAUXHALL · HYUNDAI**		
4935-1122	–	217625
Extraction sleeve M 24x1.5 for **RENAULT · BMW · MERCEDES-BENZ · OPEL/VAUXHALL · MAZDA · HONDA · AUDI · SEAT · ŠKODA · VOLKSWAGEN**		
4935-1124	–	217632
Extraction sleeve M 27x1.5 for **PEUGEOT · CITROËN · BMW · FORD**		
4935-1127	–	217656
Extraction sleeve M 30x1.5 for **MERCEDES-BENZ · PEUGEOT · CITROËN · BMW**		
4935-1130	–	217663
Clamping sleeve for 4935-11/12		
4935-1139	–	217670
4935-1146	–	217687

900 SZ Impact socket set

Made in Germany

- Application: Operation of drive and cardan shaft screw connections,
  e.g. *s* 24 mm for **VW** Touran model year 2006 → and Passat C
  s 30 mm for axle shaft nut on **VW** Golf 4 · Polo and New-Beetle · **AUDI** TT 1.8 · **ŠKODA** Octavia · Superb · Fabia
  s 32 mm operation of the cardan shaft screw connection in the wheel hub on **VW** Touareg model year 2003 →
  s 36 mm for axle shaft nut on **BMW** 3 Series · 5 Series · 7 Series · Z3 · M3 VW Polo model year 2001 → · Golf Plus 1.9 TDI model year 2005 → · **SEAT** Ibiza model year 2002 →
  Wheel hub screw connection on the front axle **RENAULT** Twingo 3 · **SMART** (453) Fortwo / Forfour model year 2014 →
- Surface: phosphatized, oiled
- DIN 3129, ISO 2725-2





900 SZ • • ½
24 • 30 • 32 • 36

HAZET No.		EAN-No. 4000896+
900 SZ/4	4	156375

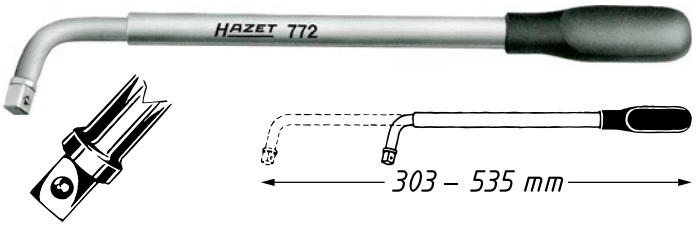
Components and spare parts from page 482 to 490

Wheels / Tyres

772 Telescopic wheel nut wrench

Made in Germany

- Solid telescopic part, drop forged
- For series 900 sockets
- Surface: chrome-plated





HAZET No.	l_1 mm	l_2 mm	EAN-No. 4000896+
772	303	535	030897

665 Balance weight pliers

Made in Germany

- Application: Installing, removing and cutting **balance weights**
- Also for expanding and compressing the retaining springs
- Surface: chrome-plated



HAZET No.	l mm	EAN-No. 4000896+
665	245	029204

Made in Germany

- **Plastic head on the hammer side**

- Application: Fastening, loosening and cutting off **balance weights**, as well as expanding and compressing the retaining springs
- Especially **for lacquered weights**
- Surface: chrome-plated





HAZET No.	l mm	EAN-No. 4000896+
665-1	245	029228

705 Four-way rim wrench

Made in Germany

- **For passenger cars, vans and people carriers**

- Surface: chrome-plated
- DIN 3119, ISO 6788





HAZET No.	s mm	l mm	EAN-No. 4000896+
705 N	17x19x13/16x21	380	029389
• With ■ 12.5 = 1/2" for series 900 sockets			
705 V-02	17x19x22x ½	380	029396

Made in Germany

- **For passenger cars, vans and people carriers**

- Surface: chrome-plated
- DIN 3119, ISO 6788
- Firmly secured sleeves to prevent scratches in the rim hole
- Coloured sleeves for quick recognition of wrench sizes
- All common wrench sizes in one
- With ■ 12.5 = 1/2" for series 900 sockets



YouTube Clip

HAZET No.	s mm	l mm	EAN-No. 4000896+
705 V	17x19x21x ½	380	196388

650 Tyre lever

Made in Germany

- Double-T profile ensures high stability
- Surface: chrome-plated



HAZET No.	l mm	EAN-No. 4000896+
• For motorcycles		
650-8	199	028672
• For passenger cars and vans		
650-12	303	028627
650-16	396	028634
650-20	500	028641
650-24	598	028658

650 K Tyre lever

Made in Germany

- **Screwed, replaceable plastic coating**

- Application: Installing and removing tyres on steel and esp. on **aluminium rims**
- Surface: chrome-plated



HAZET No.	l mm	EAN-No. 4000896+
650 K-20	500	028696

650 RF Run-flat tyre lever

Made in Germany

- **Optimised construction (reinforced, rounded, blunt edges) to prevent damage to the tyre casing**
- **Plastic protective sleeve prevents scratching of the rim and protects against slippage**

- Application: Safe and damage-free installation, especially of run-flat and low profile tyres
- The reinforced tyre wall on run-flat tyres and low profile tyres is significantly more rigid than the casing of conventional tyres. Using a less than optimal lever leads to tyre damage.
- Set consisting of run-flat tyre lever 650 RF and plastic protective sleeve 650 RF-01



HAZET No.	l mm	EAN-No. 4000896+
650 RF/2	535	206896

652 Tyre lever

Made in Germany

- For commercial vehicles · agricultural and construction machinery
- Heavy design



HAZET No.	l mm	EAN-No. 4000896+
652	600	028702

653 Tyre lever

Made in Germany

- Especially for tubeless tyres
- Heavy design



HAZET No.	l mm	EAN-No. 4000896+
653	456	028719

666 Valve tool

Made in Germany

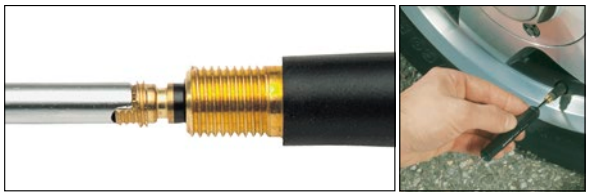
- Application: For installing and removing tyre valve cores
- Pushing in the valve pin when deflating the tyre, e.g. on passenger cars, vans and commercial vehicles



▶

666 Valve tool

◀



HAZET No.	EAN-No. 4000896+
666-1	087136

666 Tyre tread depth gauge

Made in Germany

- **Graduation in 0.1 mm steps for an exact determination of the tread depth**

- Application: Measure tyre profile depth
- Glare-free reading
- Measuring depth 30 mm
- Lightweight and easy to handle
- Very robust – made of hard brass
- In practical storage case





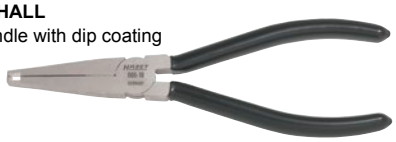
HAZET No.	EAN-No. 4000896+
666-5	129164

666 Pliers for wheel nut caps

Made in Germany

- **The pliers' jaw tips are specially shaped for the protection caps**

- Application: Damage-free removal of the wheel bolt protection caps on aluminium rims
- On e.g. **AUDI · VW · OPEL/VAUXHALL**
- Surface: bright chrome-plated, handle with dip coating



HAZET No.	l mm	EAN-No. 4000896+
666-10	160	110575

654 Universal axle lever

- **Various application; pivoting and 6 position adjustment**

- Application: Removal of ball joints, wishbones and further axle components



HAZET No.	EAN-No. 4000896+
654-1	161089

Components and spare parts from page 482 to 490

Electricity / Battery Service

Electrical Testing

2152 N Electronic set

- **Torque tester for motor vehicle electricity and electronics**

- Application: **Troubleshooting in electronic components**
- **3–48 V**
- Voltage display: LED 5 V · 12 V · 24 V · 48 V
- Polarity display: LED for positive or negative, AC voltage with illuminated LED
- Probe tip, needle with sliding mechanism,
- Additional: Crocodile clip and probe tip for attaching
- Cable length: 1300 mm



HAZET No.		EAN-No. 4000896+
• Electronic set, 3 pieces, contents 2152 N · 2152 N-01 · 02		
2152 N/3	3	204151
Basic unit for HAZET electronic set 2152 N/3		
2152 N	–	204205
Crocodile clip for HAZET electronic set 2152 N/3		
2152 N-01	–	204199
Test tip for 2152 N/3		
2152 N-02	–	204182

2152 Electrical system multifunction torque tester

Made in Germany

- **LED display and integrated lighting**

- Application: For testing electrical components, e.g. electrical fuel pumps, relays, lamps, window lift motors, etc.
- Especially for the workshop area (motorcycles, passenger cars, commercial vehicles, boats)
- 12–24 Volt
- 6 m cable and integrated lighting
- Short circuit proof 7.5 A
- **Optimal lighting of the inspection area**
- **Several acoustical signals**
- **Immediate checking of polarity due to LED-display red/green**
- Detects bonding defaults
- Continuity test: e.g. relays, safety fuse, switches, wiring, etc.
- Self-testing function



HAZET No.	EAN-No. 4000896+
2152-5	144440

2153 Car light tester

Made in Germany

- Probe tip (10 mm long) and protection cap
- Cable with crocodile clip
- 6–24 Volt
- Tester with soffit

Not to be used on vehicles with electronic components.
For vehicles with electronic components see HAZET 2152/3



HAZET No.	l mm	EAN-No. 4000896+
2153	120	013111

Battery Service

4650 Battery filler

Made in Germany



HAZET No.	l mm	EAN-No. 4000896+
4650-0	256	022007

4650 Acid tester

Made in Germany

- **Aerometer**

- Application: Checking the acid content of the battery fluid
- Solid plastic housing – significantly reduced risk of breakage compared to glass enclosures



4650 Acid tester

HAZET No.	l mm	EAN-No. 4000896+
4650-1	280	022014

4650 Special tool for battery plugs

- **Special length allows universal application in areas with restricted access**

- Application: Screwing battery plugs in and out
- Profile is especially suitable for battery plugs
- Plastic T-handle
- Surface: chrome-plated





HAZET No.	l mm	mm	b mm	EAN-No. 4000896+
4650-3	95	1.7	14.5	102051

4650 Battery pole and terminal brush

Made in Germany

- Application: Cleaning the terminal posts and clamps
- With protection cap





HAZET No.	l mm	EAN-No. 4000896+
4650-4	120	022038

4650 Battery cell tester

Made in Germany

- **Measuring range 6 and 12 volt for application on passenger cars and motorcycles**
- Application: Fast diagnosis of the charging system and state of the battery

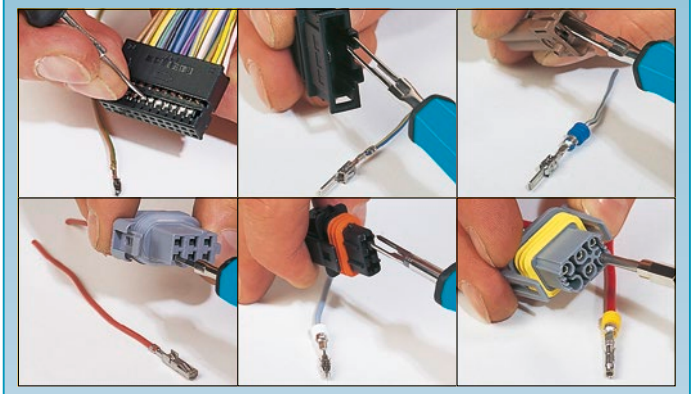


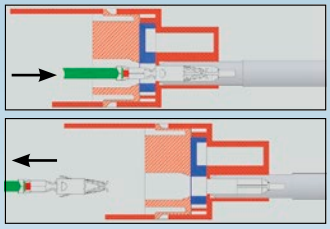
HAZET No.	l mm	EAN-No. 4000896+
4650-5	333	022045

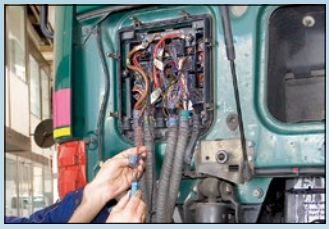
Contacts / Plug connections / Cable release tool

Cable release tool

- **For professional working**
- **High ease of use**
- **Safe application**
- OEM quality “Made in Germany”
- Malfunctions due to loose contacts can be remedied easily, quickly and professionally
- Universal application in the field of car electricity
- With sliding caps protecting the blades from damage and avoiding the risk of injury
- Application: For damage-free releasing of plug contacts, e.g. flat and round plug contacts











4670 Cable release tool assortment

Made in Germany

- Application: For damage-free releasing of plug contacts, e.g. flat and round plug contacts
- **Basic set** for approx. 80% of all passenger car plug contacts



4671
4671-1 • 4671-2 • 4671-3

4672
4672-1 • 4672-2
4672-3 • 4672-4

4673
4673-1 • 4673-2 • 4673-3
4673-4 • 4673-5

HAZET No.		EAN-No. 4000896+
4670-1/12	12	132898

Made in Germany

- Application: For damage-free releasing of plug contacts, e.g. flat and round plug contacts
- **Supplementary set for VW – AUDI – SEAT – ŠKODA**



4671
4671-9 • 4671-10

4672
4672-11 • 4672-12
4672-13 • 4672-14
4672-15

4673
4673-12 • 4673-13

4674-4

HAZET No.		EAN-No. 4000896+
4670-4/10	10	135530

Components and spare parts
from page 482 to 490

4670 Cable release tool assortment

Made in Germany

• Application: For damage-free releasing of plug contacts, e.g. flat and round plug contacts




4671
4671-4 • 4671-5
4671-11


4672
4672-5 • 4672-6
4672-7 • 4672-16
4672-19 • 4672-20


4674-7


4674-1


4674-8

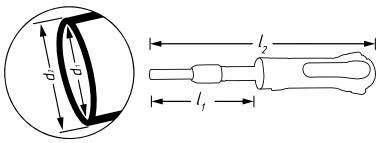
HAZET No.		EAN-No. 4000896+
4670-5/12	12	135646

4671 Cable release tool

Made in Germany

• Application: Damage-free unlocking of **round connector contacts**



























4671 Cable release tool

HAZET No.	l_1 mm	l_2 mm	d_1 mm	d_2 mm	EAN-No. 4000896+
• ABS 4.0 mm round connector					
4671-1	73	158	6	6.5	135219
• 3.5 mm round connector system					
4671-2	51	136	4.1	4.7	135288
• 1.5 mm round connector system					
4671-3	62	147	2.9	3.3	135295
• 2.5 mm round connector					
4671-4	52.5	137.5	4	4.4	135394
• LKS 1.5 mm pin-side					
4671-5	61.5	146.5	2.8	3.6	135400
• LKS 1.5 mm bush-side					
4671-6	53	138	2.8	3.1	135417
• Release tool for round connector system 3.5 mm					
4671-9	52.5	137.5	4.2	5	135622
• Release tool for round connector system antenna contact					
4671-10	53.5	138.5	4.8	5.2	135639
• ABS mounting help					
4671-11	50.5	135.5	4	6.5	135653
• ABS bushing					
4671-15	60	144	5.2	5.8	135837
• Round connector system					
4671-16	57	142	2.9	3.5	135844

4672 Cable release tool

Made in Germany

• Application: Damage-free unlocking of **blade terminal contacts**



























Components and spare parts from page 482 to 490

4672 Cable release tool







HAZET No.	EAN-No. 4000896+
• Micro Timer II	
4672-1	135042
• Maxi Power Timer	
4672-2	135073
• Pit Pod / Faston 6.3 mm	
4672-3	135097
• JPT / SPT	
4672-4	135165
• MLK 1.2 mm	
4672-5	135325
• SLK 2.8 mm P	
4672-6	135356
• LSK 8	
4672-7	135370
• MCP 1.5 mm / contact width 1.5 mm	
4672-11	135561
• Flat connectors with 2 snap-in pins / contact width 4.8 mm (e.g. ISO-connector car radio)	
4672-12	135578
• DCS 2 contact	
4672-14	135592
• Flat connectors with 2 snap-in pins / contact width 2.8 mm	
4672-15	135615
• E-95	
4672-16	135677
• MCP 2.8 mm	
4672-19	135714
• MCP 4.8 mm and MCP 6.3 mm	
4672-20	135738
• Ducon 9.5	
4672-22	135813

4673 Cable release tool

Made in Germany

• Application: Damage-free releasing of **micro-standard timer, secondary locking and various lock catches**















4673 Cable release tool







HAZET No.	EAN-No. 4000896+
• Micro Standard	
4673-1	134946
• Standard 2.72 mm	
4673-2	134953
• Standard 1.48 mm	
4673-3	134977
• Standard Timer 1.89 mm	
4673-4	134991
• Release tool for secondary locking	
4673-5	135301
• Additionally for single groove JPT contacts	
4673-6	135332
• Secondary locking FCI	
4673-8	135424
• Flat connectors with one lock catch (various contact widths) Yazaki 1.5 and 2.8	
4673-12	135547
• Flat connectors with housing catch	
4673-13	135554

4674 Cable release tool

Made in Germany

• Application: Damage-free unlocking of **diverse plug contacts**











HAZET No.	EAN-No. 4000896+
• SLK 2.8 mm P · S	
4674-1	135363
• Pin housing 5 to 7-pole	
4674-8	135769
• MKS/MKR 1.5	
4674-9	135806
• VKR contact	
4674-10	135868

Components and spare parts from page 482 to 490

Alternator / Radio removal

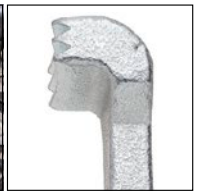
1789 N Pulley extractor

Made in Germany

- Application: Removing **passenger car, SUV and transport vehicle pulleys**
- Extractor for pulleys **with thread holes**, operation with:
  – 1 crossbar, short, for pulleys 43–120 mm ∅
  – 1 crossbar, long, for pulleys 95–210 mm ∅
  – 3 exchangeable pressure pieces, serving as spindle extension
- Extractor for pulleys **without thread holes** (hook grip behind pulley), application with:
  – 1 crossbar, short, for pulleys 23–100 mm ∅
  – 1 crossbar, long, for pulleys 85–195 mm ∅
  – Puller hooks for a span depth up to 68 mm or extension up to 88 mm
- Extractor with **2 groove hooks** (fit into the grooves of the pulley, if gripping behind is not possible), application with:
  – 1 crossbar, short, for pulleys 80–140 mm ∅
  – 1 crossbar, long, for pulleys 135–235 mm ∅







HAZET No.	EAN-No. 4000896+
1789 N-1	158621

2592 V-(ribbed) belt pulley adapter

Made in Germany

- **Adapter with internal serration**

- Application: Installation or removal of the **V-(ribbed) belt pulley** at the **generator,** For e.g. VALEO, BOSCH etc. on **VW, AUDI, ŠKODA and SEAT**





HAZET No.	s mm	l mm	⬢ mm	EAN-No. 4000896+
2592	19.6	30	17	057443

4641 V-(ribbed) belt pulley tool

Made in Germany

- Application: Installation or removal of the V-(ribbed) belt pulley at the generator (BOSCH)
- **VW · AUDI · ŠKODA · SEAT · PORSCHE · MERCEDES-BENZ · FORD · Volvo** etc.



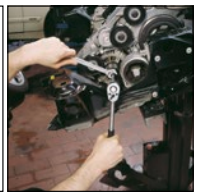


2592 • ○
19.6



2751 • ○ • 12.5 ½
M 10







HAZET No.	l mm		EAN-No. 4000896+
4641/2	140	2	081479

Made in Germany

- Application: Installing and removing the V-(ribbed) belt pulley at generators
- Assembly tool set for working on the built-in or dismantled generator
- Control of the screwing
- **TORX**® and XZN screwdriver sockets for different inside profiles
- The generator is locked with the respective screwdriver socket and the screwing of the belt pulley is operated with the adapter with internal serration
- Application on **VW · AUDI · ŠKODA · SEAT · PORSCHE · MERCEDES-BENZ · FORD · RENAULT · Volvo** etc.





2592 • ○
19.6



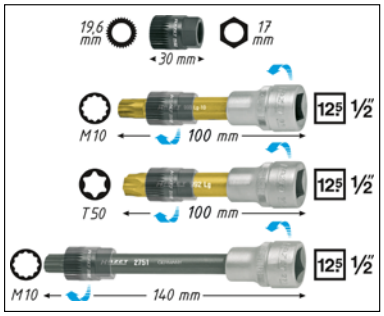
990 LG • ○ • 12.5 ½
M 10



2751 • ○ • 12.5 ½
M 10



992 LG • ○ • 12.5 ½
T 50



HAZET No.		EAN-No. 4000896+
4641/4	4	103157

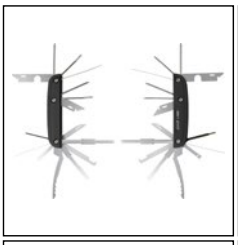
4655 Radio dismounting tool

- **All applications in one tool – no need to search the right tool**

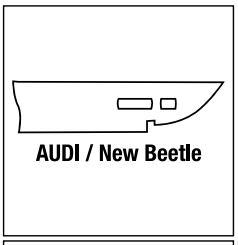
- Application: Installation and removal of car radios of numerous car and radio manufacturers
- **VW · AUDI · FORD · BMW · MERCEDES-BENZ · PORSCHE · GM OPEL/VAUXHALL · ŠKODA · FIAT · LAND-ROVER · KENWOOD · SONY · CLARION · BLAUPUNKT** and many others
- Very easy to handle
- Practical slide for separating both halves
- Many unlocking types in one compact tool

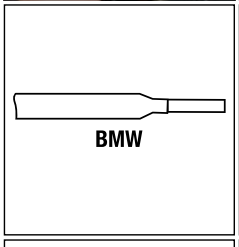


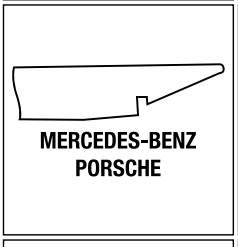




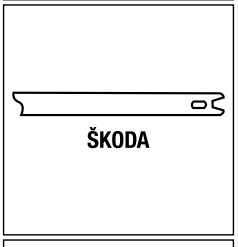


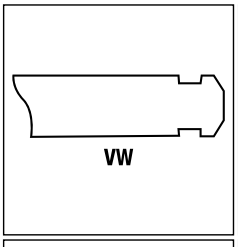


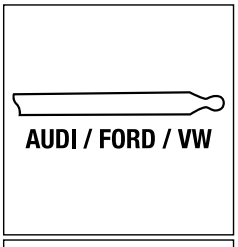


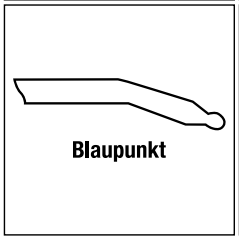


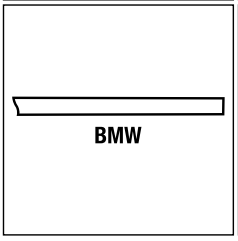


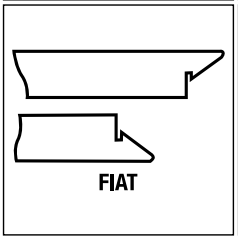


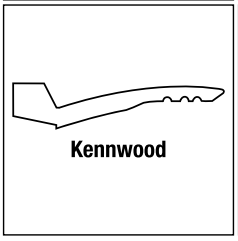


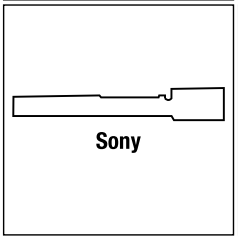


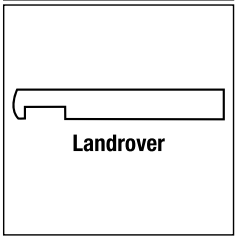




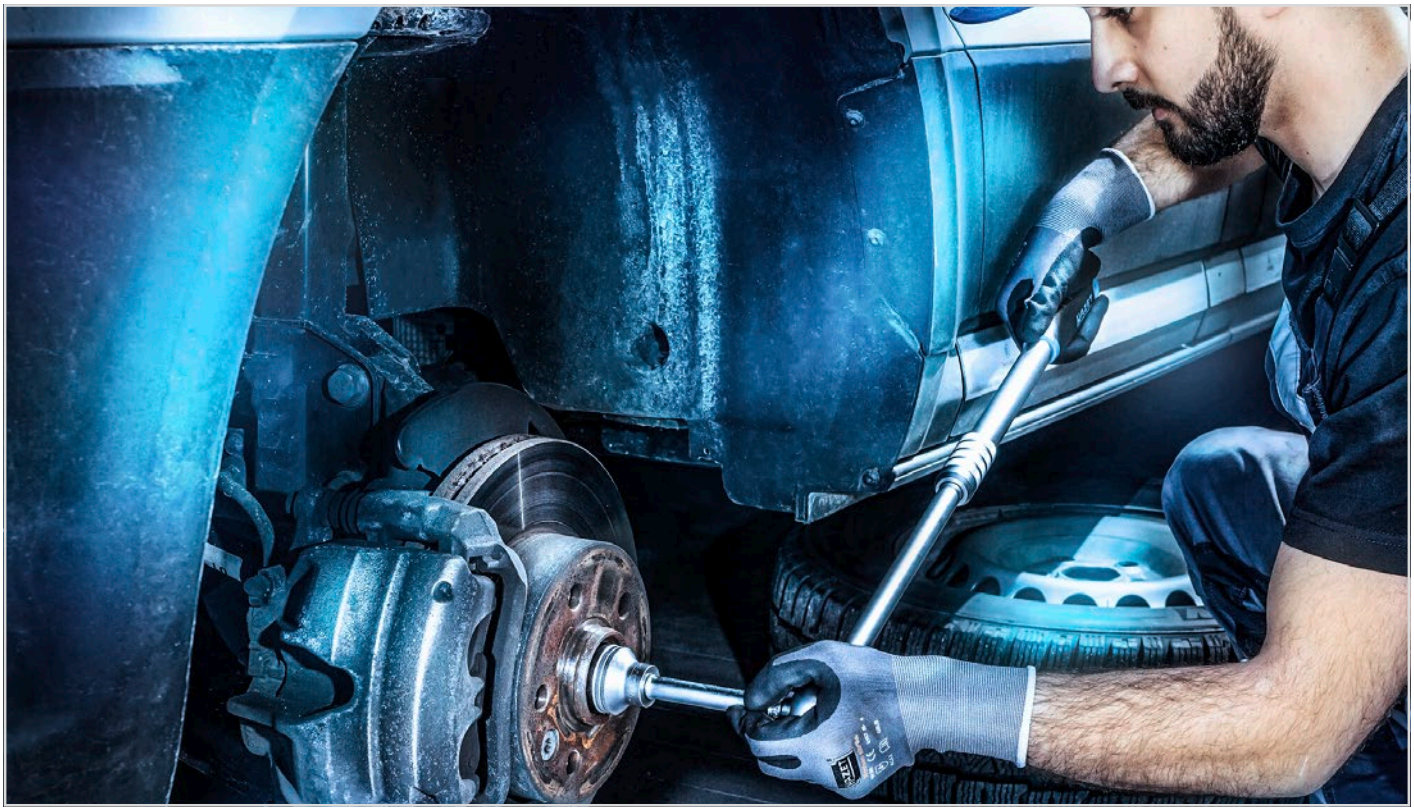








HAZET No.	EAN-No. 4000896+
4655-1	120666



Components and spare parts
from page 482 to 490

Body and Interior Equipment

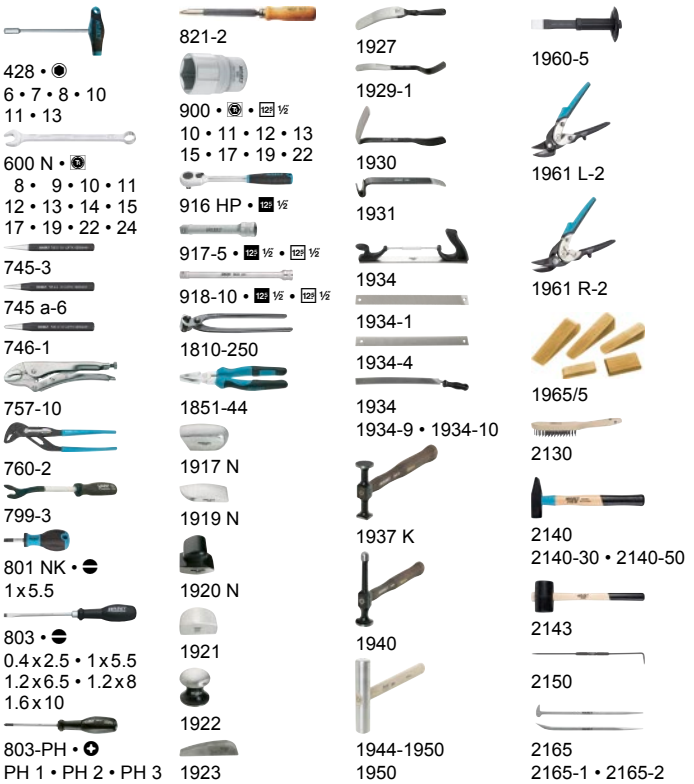
Car Body Repair

For grip pliers see chapter Hand Tools / Pliers on page 217–218

0-1900 Tool assortment

Assortment for car body work
• For tool trolleys *Assistent*



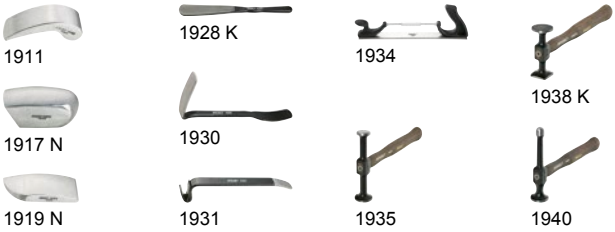


HAZET No.		EAN-No. 4000896+
0-1900/77	77	000241

1905 Body and fender tool set

Made in Germany
• For **car body work**
• Sheet metal box (HAZET-blue)
• Soft foam insert





HAZET No.	L x W x H mm		EAN-No. 4000896+
1905/10 N	759x305x115	10	007448

1911 Hand anvil

Made in Germany
• Roof wedge-shaped
• Length: 137 mm, width: 55 mm



HAZET No.	EAN-No. 4000896+
1911	007486

1917 N Hand anvil

Made in Germany
• Daimler Stöckle
• 110x50 mm, height: 50 mm



HAZET No.	EAN-No. 4000896+
1917 N	007509

1918 N Hand anvil

Made in Germany
• Wedge-shaped
• 110x63 mm



HAZET No.	EAN-No. 4000896+
1918 N	007516

Components and spare parts from page 482 to 490

1919 N Hand anvil

Made in Germany
- Toe-shaped
- 120 x 58 mm, height: 20 mm



HAZET No.	EAN-No. 4000896+
1919 N	007523

1920 N Hand anvil

Made in Germany
- Universal
- 76 x 56 mm and 65 x 47 mm, height: 60 mm



HAZET No.	EAN-No. 4000896+
1920 N	007530

1921 Hand anvil

Made in Germany
- **All-sides ground**
- Heel-shaped, flat/halfround
- 84 x 62 mm, height: 34 mm



HAZET No.	EAN-No. 4000896+
1921	007554

1922 Hand anvil

Made in Germany
- „Diabolo“ style
- 59 x 61 mm, height: 59 mm



HAZET No.	EAN-No. 4000896+
1922	007561

1923 Box file

Made in Germany
- **All sides with cut of a file**
- Application: Body sheet planishing
- Work surface 162 x 37 x 27 mm



HAZET No.	EAN-No. 4000896+
1923	007578

1927 General purpose spoon

Made in Germany
- Work surface 52 x 150 mm



HAZET No.	l mm	EAN-No. 4000896+
1927	275	007691

1928 K General purpose spoon

Made in Germany
- Cut on one side
- Work surface 60 x 30 x 200 mm



HAZET No.	l mm	EAN-No. 4000896+
1928 K	385	007707

1929-1 General purpose spoon

Made in Germany
- Wide shape
- Offset and curved
- Work surface 170 x 50 mm



HAZET No.	l mm	EAN-No. 4000896+
1929-1	480	007721

1930 General purpose spoon

Made in Germany
- Wide shape
- Deep offset and heavily curved



HAZET No.	l mm	EAN-No. 4000896+
1930	455	007738

1930-1 General purpose spoon

Made in Germany
- Narrow shape
- Work surface 105 x 85 x 38 mm



HAZET No.	l mm	EAN-No. 4000896+
1930-1	315	007745

1931 Bending iron

Made in Germany
- With leather cap



HAZET No.	l mm	EAN-No. 4000896+
1931	410	007769

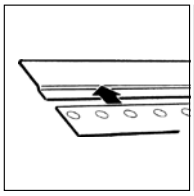
Components and spare parts from page 482 to 490

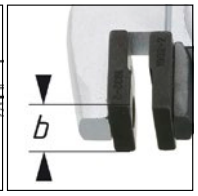
1932 Flange tool

Made in Germany
- **Crimping capacity: 12 mm**

- Application: Form crimping edges on metal sheets up to 1 mm thickness
- Plastic handle covers
- Surface: chrome-plated







HAZET No.	l mm	b mm	EAN-No. 4000896+
1932-1	300	15	007806
1932-2	300	30	007868

1964 Sheet metal punch

Made in Germany
- **To be used with HAZET Flange Tool 1932**

- Plastic handle covers
- Surface: chrome-plated





HAZET No.	l mm	∅ mm	EAN-No. 4000896+
• For sheet metal punching up to 1 mm during spot-welding (MAG-welding)			
1964-50	300	5	009039
1964-55	300	5.5	009077
1964-70	300	7	009121

1960 Car body sheet metal chisel

Made in Germany
- **Forged design**

- Application: Cutting sheet metal, welding spots, welding grooves etc.
- Hand guard (730 HS)
- Blade size: 7 x 26 mm
- Consistently hardened as per DIN (54-58 HRC)
- Impact head tempered as per DIN (38-46 HRC)
- Blades ground
  Regrinding without rehardening
- Surface: immersion-lacquered



HAZET No.	l mm	EAN-No. 4000896+
1960-5	240	008759

1961 Sheet metal profile snips

- For figure cutting and short, straight cuts
- For sheet metal up to 1.8 mm, VA-steel sheets up to 1.2 mm
- With lever transmission system
- Shear head drop-forged, hardened and tempered
- Induction-hardened cutting edges with grind
- Ergonomically shaped HAZET 2-component plastic handle covers (blue/black)







HAZET No.	l mm	EAN-No. 4000896+
• R = right hand cutting		
1961 R-1	260	008803
• L = left hand cutting		
1961 L-1	260	008780

- For figure cutting and straight cuts
- With lever transmission system
- Shear head drop-forged, hardened and tempered
- Induction-hardened cutting edges with grind
- Ergonomically shaped HAZET 2-component plastic handle covers (blue/black)







HAZET No.	l mm	EAN-No. 4000896+
• R = right hand cutting		
1961 R-2	260	008810
• L = left hand cutting		
1961 L-2	260	008797

- **Compact design facilitates working in confined spaces and cutting the smallest of contours**

- For figure cutting and straight cuts
- For sheet thickness up to 1.2 mm (600 N/mm²)
- Edge length: 20 mm
- Lever transmission system for a minimum effort
- For especially small radii and working in areas with restricted access
- Shear head drop-forged
- Induction-hardened cutting edges with grind
- Ergonomically shaped HAZET 2-component plastic handle covers (blue/black)







HAZET No.	l mm	EAN-No. 4000896+
• Left hand cutting		
1961 L-3	180	176533
• Right hand cutting		
1961 R-3	180	176540

Components and spare parts from page 482 to 490

1963 Hand riveting tool

- Application: Safe and fast rivet joints
- For **blind rivets** made of aluminium up to 5 mm ∅, steel up to 4 mm ∅, stainless steel up to 3.2 mm ∅
- Rivet is fixed automatically when inserting the nose piece
- Quick changing of nose pieces due to knurling, no tools needed
- Rivet snaps off with little effort
- Due to the design, the slitting process of the rivet pin is optimally damped
- Patented rivet plug gauge
- Assembly tool in the handle



HAZET No.	l mm	EAN-No. 4000896+
1963 N-1	255	187447

- **Flexible use due to 360° rotation rivet head**

- Application: Riveting various materials such as metal, aluminium, plastic, leather, etc.
- 4 replaceable nose pieces in the body of the pliers
- Assembly tool in the handle
- Patented rivet plug gauge
- For aluminium rivets ∅ 2.4 · 3.0 · 3.2 · 4.0 · 4.8 · 5.0 mm · 3/32″ · 1/8″ · 5/32″ · 3/16″
  Steel rivets ∅ 2.4 · 3.0 · 3.2 · 4.0 mm · 3/32″ · 1/8″ · 5/32″
  Stainless steel rivets ∅ 2,4 · 3.0 · 3.2 mm · 3/32″ · 1/8″





HAZET No.	l mm	EAN-No. 4000896+
1963-2	290	232864

1934 Car body file holders

Made in Germany

- Adjustable, with tightening screw
- With 1 file blade 1934-4
- For flat file blades HAZET 1934-1 up to -5



HAZET No.	l mm	EAN-No. 4000896+
1934	355	008018

1934 N Car body file holders

Made in Germany

- Made of wood
- Without file blade



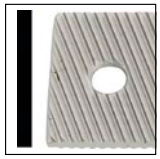




HAZET No.	l mm	EAN-No. 4000896+
• For flat file blades 1934-1 up to -5		
1934 N-1	525	008155
• For half-round (hollow) file blades 1934-7		
1934 N-2	525	008179

1934 Car body file blade

- **Flat**
- **Milled, diagonal cut**
- Teeth (cut):
  1 = coarse 1934-1
  2 = medium 1934-2
  3 = fine 1934-3
- For File Holders HAZET 1934 and 1934 N-1
- DIN 7264 form A





HAZET No.	l mm	EAN-No. 4000896+
1934-1	350	008025
1934-2	350	008063
1934-3	350	008070

- **Flat**
- **Milled, curved cut**
- Teeth (cut):
  1 = coarse 1934-4
  2 = medium 1934-5
- For File Holders HAZET 1934 and 1934 N-1
- DIN 7264 form A





HAZET No.	l mm	EAN-No. 4000896+
1934-4	350	008087
1934-5	350	008094

- **Half-round (hollow)**
- **Diagonal cut**
- Teeth (cut): 1 = coarse
- For File Holder HAZET 1934 N-2
- DIN 7264 form F





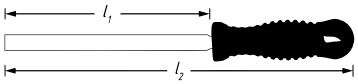
HAZET No.	l mm	EAN-No. 4000896+
1934-7	350	008100

1934 Car body file

Made in Germany

- Heat the dents with a welding torch.
  Then work the dent with the file.
  Due to the special alloy – the heat is extracted when working the dent with the file and the dent is evened out.
- Cross cut
- Teeth (cut):
  1 = coarse (1934-8)
  3 = fine (1934-9)
- Cranked
- Plastic handle





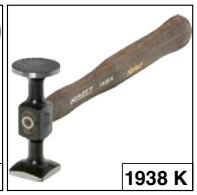
HAZET No.	l_1 mm	l_2 mm	EAN-No. 4000896+
1934-8	350	430	008124
1934-9	350	430	008131
• Single cut • Teeth (cut): 0 = coarse · 1934-10			
1934-10	350	430	008032

Components and spare parts from page 482 to 490

1935-1938 K Car body hammer

Made in Germany
- HICKORY handle







HAZET No.	l mm		EAN-No. 4000896+
• Bumping and planishing hammer • 154 mm • **2 round faces of different sizes**			
1935	308	○ 40 ○ 30	008193
• Stretching and planishing hammer • 103 mm • **Round faces, finely chequered, milled**			
1937 K	305	□ 24 ○ 32	008209
• Stretching and planishing hammer • 96 mm • **Round faces, finely chequered, milled**			
1938 K	310	□ 35 ○ 40	008216

1940-1943 Car body hammer

Made in Germany
- HICKORY handle





HAZET No.	l mm		EAN-No. 4000896+
• Planishing and embossing hammer • 160 mm • **Round face and ball**			
1940	309	○ 40 ○ 17	008230
• Planishing and cross-peen hammer • 135 mm • **Round face and curved, sharp pin**			
1943	309	○ 40 — 15	008261

1944-1950 Car body hammer

Made in Germany
- HICKORY handle

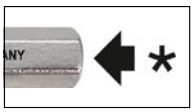




HAZET No.	l mm		EAN-No. 4000896+
• Bumping and picking hammer • 165 mm • **Rounded face and straight calibration pin**			
1944	325	○ 41 ○ 10	008278
• Aluminium hammer • Flat, half-round			
1950	310	○ 30	008339

1967 Welding spot drill

Made in Germany
- Application: Exact welding spot reaming in sheet metal fabrication
- Fits power drills of all types
- 7 mm hexagon shank prevents slippage in drill chuck
- Replaceable cutting crown (right-hand thread) made of high-speed steel (oiled)
- Cutting crown for use at both ends
- With screw for gauge depth adjustment (*)




HAZET No.	l mm	∅ mm	EAN-No. 4000896+
1967	70	11	009312

1967 Welding spot drill

Made in Germany
- **Self-cutting centring tip resharpenable**
- Application: Exact reaming of welding spots
- High performance, high-speed steel, blued



HAZET No.	l mm	∅ mm	EAN-No. 4000896+
1967-70	74	7	009343
1967-80	79	8	009350
1967-90	79	9	009367

1959 Special bumping mallet

Made in Germany
- **Permanently plastic filler for non-damaging work without striation**
- Application: Attaching decorative strips, working on roof rails as well as seat installing, upholstery
- Assembly tool for materials that are susceptible to scratching















HAZET No.	l mm	EAN-No. 4000896+
• Rubber body 70 x 70 mm		
1959-2	260	102259
• Handle adjustable by 90° • Rubber body 70 x 140 mm		
1959-3	280	008728

▶

Components and spare parts from page 482 to 490

1959 Special bumping mallet

◀

HAZET No.	l mm	EAN-No. 4000896+
• Handle adjustable by 90° • **White rubber body** 70 x 140 mm		
1959-4	280	127221

1965 Wedge

Made in Germany

• Application: Working with hot-tinned surfaces
• Beech wood



HAZET No.		EAN-No. 4000896+
1965/5	5	009220

1965 Wedge

Made in Germany

• Application: For car body work, e.g. for loosening decorative strips, covers, graphics, etc. without damage
• Plastic



HAZET No.	l mm	h mm	b mm	EAN-No. 4000896+
1965-20	190	25	25	009183

1965 Combination lever

• **Avoids damage to lacquered surfaces, plastic and metal parts**

• Application: Quick and easy loosening of the decorative strips and door panels
• Operation of plugs and plastic clips
• Removal of protection caps and covers



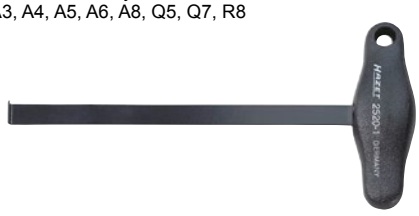
HAZET No.	l mm	b mm	EAN-No. 4000896+
1965-21	270	22	087839

2520 Puller hook

Made in Germany

• Application: **For removing the front grille** of the **VW** Transporter
• Steel hook angled 30°, 12 mm wide
• Removal of e.g. the additional light, interior lining, interior lighting shade, etc. **VW** Golf since model year 2004 →, Golf Plus since model year 2005→, Jetta since model year 2006→, Crafter since model year 2006→, Tiguan since model year 2008→, Passat since model year 2006→, Scirocco since model year 2009→, **AUDI** A2, A3, A4, A5, A6, A8, Q5, Q7, R8
• Plastic T-handle





HAZET No.	l mm	EAN-No. 4000896+
2520-1	215	075218

799 Lever for removing door panels

Made in Germany

• **Protective coating**

• Application: Removing **fixing plugs** from door panels
• Jaw opening: 28 mm



HAZET No.	l mm	EAN-No. 4000896+
799-3	268	031993

799 Pliers for removing door panels

Made in Germany

• **Protective coating**

• Application: Removing the fixing plugs on **door panels**, decorative strips and bumper rubber strips





HAZET No.	l mm	EAN-No. 4000896+
799-4	230	032013

799 Lever for removing door panels

Made in Germany

• **Protective coating**

• Application: Removing the fixing plugs on door panels
• **VW** Sharan · Touareg · Touran · Phaeton
SEAT Alhambra
FORD Galaxy
• Lever function provides optimal power transmission for removal
• Plastic handle

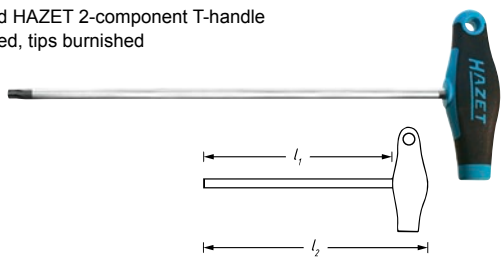


HAZET No.	l mm	EAN-No. 4000896+
799-6	260	110346

828 LG-T Screwdriver · with T-handle

Made in Germany

• Application: Installation and removal **door handle** on **MERCEDES-BENZ** type 168 · type 169 (A-Class) · type 245 (B-Class) · type 203 (C-Class) · type 204 (C-Class) · type 212 (E-Class) · 117 CLA
Setting **headlights MERCEDES-BENZ** Actros
• **Extra long design**
• Round blade
• Ergonomically shaped HAZET 2-component T-handle
• Surface: chrome-plated, tips burnished



HAZET No.	l_1 mm	l_2 mm	mm	EAN-No. 4000896+
828 Lg-T 20	200	226	3.86	139941

Components and spare parts from page 482 to 490

2597 Insert tool for door hinges · bent bit holder

Made in Germany

- **Torque-controlled screw tightening possible (Please follow the instructions of the manufacturer)**

- Application: For installing and removing the driver or passenger door (Door hinge screw connection inside TORX® screws T 45) and for door adjustment on **VW**, **ŠKODA** Fabia model year 2007→2014, Roomster model year 2006→2015, **AUDI** A5 model year 2007→2016
- Plug connection 9x12 mm square
- With TORX® Bit T45 (HAZET 2597-01)

Removal together with tool holder HAZET 6396, **Installation** with torque wrench HAZET 6290-1CT · 5290-3 CT – Please observe VW torque regulations –

- Surface: chrome-plated

YouTube Clip



HAZET No.	l mm	EAN-No. 4000896+
2597	95	017379

2597 Bit

Made in Germany

- **Torque-controlled screw tightening possible (Please follow the instructions of the manufacturer)**

- Application: Installing, removing and adjusting the driver and passenger door
- Removing or loosening together with tool holder HAZET 6396
- Installation with torque wrench HAZET 6290-1 CT or 5290-3C T
- Together with curved bit holder HAZET 2597
- Hexagon drive ISO 1173 C8 (5/16")
- **VW** · **ŠKODA** Fabia 2 model year 2007 → 2014 · Roomster model year 2006 → 2015, AUDI A5 model year 2007 → 2016
- For **inside** TORX® screws T 45



HAZET No.	l mm	EAN-No. 4000896+
2597-01	18	017386

Made in Germany

- **Torque-controlled screw tightening possible (Please follow the instructions of the manufacturer)**

- Application: Installing, removing and adjusting the driver and passenger door
- Removing or loosening together with tool holder HAZET 6396
- Installation with torque wrench HAZET 6290-1 CT or 5290-3C T
- Together with curved bit holder HAZET 2597
- Blister packed
- Hexagon drive ISO 1173 C8 (5/16")
- **VW** Golf 4 model year 1997 → 2006 · Golf 7 model year 2012 → 2021 · Passat B5 model year 1996 → 2000, **SEAT** León model year 1999 → 2006
- For **screws with internal serration (XZN) M 10**
- Similar to DIN 65254



HAZET No.	l mm	EAN-No. 4000896+
2597-02	21	066667



2597 Bit

Made in Germany

- **Torque-controlled screw tightening possible (Please follow the instructions of the manufacturer)**

- Application: Installing, removing and adjusting the driver and passenger door
- Removing or loosening together with tool holder HAZET 6396
- Installation with torque wrench HAZET 6290-1 CT or 5290-3C T
- Together with curved bit holder HAZET 2597
- Blister packed
- Hexagon drive ISO 1173 C8 (5/16")
- **VW** Golf 5 model year 2003 → 2008 · Golf 6 model year 2008 →2012 · Passat B6 model year 2005 →2010 · Caddy model year 2004 →2010 · Beetle model year 2011 →2019 · Sharan 2 model year 2010 → · Tiguan model year 2011 → · Touran model year 2010 →, **ŠKODA** Superb model year 2008→
- For **screws with internal serration (XZN) M 8**
- Similar to DIN 65254



HAZET No.	l mm	EAN-No. 4000896+
2597-03	21	118830

Made in Germany

- **Torque-controlled screw tightening possible (Please follow the instructions of the manufacturer)**

- Application: Installing, removing and adjusting the driver and passenger door
- Removing or loosening together with tool holder HAZET 6396
- Installation with torque wrench HAZET 6290-1 CT or 5290-3C T
- Together with curved bit holder HAZET 2597
- Hexagon drive ISO 1173 C8 (5/16")
- **VW** Polo 6 model year 2017 → · T-Cross model year 2018, **ŠKODA** Fabia 3 model year 2014 →, **Porsche** Panamera
- For **screws with internal serration (XZN) M 12**



HAZET No.	l mm	EAN-No. 4000896+
2597-04	21	241972

Made in Germany

- **T 45 with special length**

- Application: Installing and removing the driver's and front passenger's door on **VW**
- Together with reversible ratchet HAZET 2264 or insert reversible ratchet 6408 and torque wrench 6290-1CT · 5290-3 CT – observe VW torque regulations –
- Hexagon drive ISO 1173 C6.3 (1/4")



HAZET No.	l mm	EAN-No. 4000896+
2597-T 45	25	017393

2598 Door handle tool

Made in Germany

- **Safe and fast working**

- Application: Operation of the difficult-to-reach locking hook (bearing cap) when removing / installing the door handle
- Disassembly and assembly of the closing cylinder housing (door handle) with doors without closing cylinders
- For e.g. **VW** Passat model year 2005 → 2010 · Tiguan model year 2008 → · Golf 6 model year 2008 → 2012 · Golf 7 model year 2012 → 2021· Amarok model year 2010 → · Beetle model year 2011 → 2019
- Assembly of the door lock **VW** Fox model year 2005 → 2011
- Ergonomically shaped 1-component trinamic handle

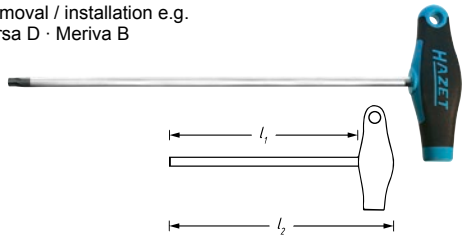


HAZET No.	l_1 mm	l_2 mm	EAN-No. 4000896+
2598-1	155	256	204144

828 LG-T Screwdriver · with T-handle

- **Extra long design for safe operation of deeply located screw connections**

- Application: Side mirror removal / installation e.g. on **OPEL/VAUXHALL** Corsa D · Meriva B
- **Extra long design**
- Round blade
- Ergonomically shaped HAZET 2-component T-handle
- Surface: chrome-plated, tips burnished



HAZET No.	l_1 mm	l_2 mm	mm	EAN-No. 4000896+
828 Lg-T 40	290	325	6.65	235360

2534-1 Clamp washer operating tool

Made in Germany

- **Quick and easy operation of the clamp washers**
- **Prevents damage to underfloor panels and heat shields**

- Application: Operation of the clamp washers on underfloor panels and heat shields on e.g. **AUDI**, **SEAT**, **ŠKODA**, **VW**, **FORD**
- ∅ in the operating range: 27 mm
- Pin ∅: 2 mm
- Pin height: 2 mm
- Distance between pins: 22.9 mm



HAZET No.	l mm	EAN-No. 4000896+
2534-1	22	224227

2797 Bumper tubular socket wrench

Made in Germany

- **Operation of the rear bumper screws**

- **MERCEDES-BENZ** type 204 (C-Class) station wagon and saloon · type 205 (C-Class) · **AUDI** A3 model years 2004→ · A4 model years 2001→ · A6 model years 2005→ · TT model years 2007→
  Note: Screw operation with threaded rod
- Enables controlled screwing with the torque value required by the manufacturer



HAZET No.	s mm	l mm	EAN-No. 4000896+
2797-1	10	160	154746

Made in Germany

- **Enables controlled screwing with the torque value required by the manufacturer**

- Application: Operation of the side bumper holder on the rear
- Note: screw operation with threaded rod
- **MERCEDES-BENZ** type 213 (E-class) model year 2016 →



HAZET No.	s mm	l mm	EAN-No. 4000896+
2797-2	8	160	210053

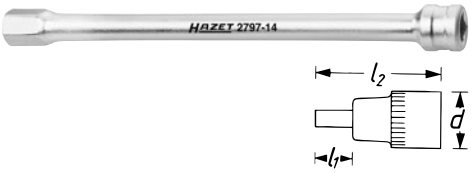
2797 Headlights adjustment tool

Made in Germany

- **Adjusting the headlights or clearance from bumpers and bonnet**

- Following car body repairs and headlight replacement respectively on **MERCEDES-BENZ** 205 C-class · model year 2014 and **AUDI** A7
- The tool is especially suited to areas with very restricted access
- Surface: matt chrome-plated

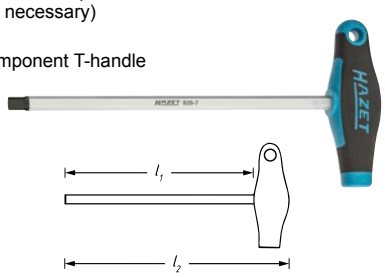




HAZET No.	s mm	l mm	d mm	EAN-No. 4000896+
2797-14	14	195	18	202201

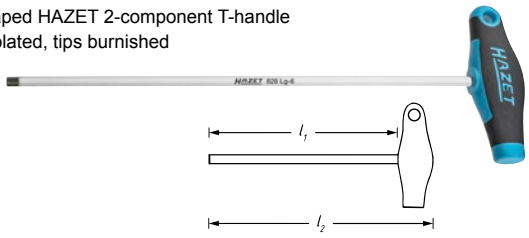
828 Screwdriver · with T-handle

- Application: Setting the headlights on **FORD** models Optimal length ensures direct use on the component (putting together several tools is not necessary)
- 6-point blade
- Ergonomically shaped HAZET 2-component T-handle
- Surface: chrome-plated, tips burnished



HAZET No.	s mm	l_1 mm	l_2 mm	EAN-No. 4000896+
828-7	7	200	234	210060

- Application: Setting the headlights on **RENAULT**, **AUDI** Optimal length ensures direct use on the component (putting together several tools is not necessary)
- 6-point blade
- Ergonomically shaped HAZET 2-component T-handle
- Surface: chrome-plated, tips burnished



HAZET No.	s mm	l_1 mm	l_2 mm	EAN-No. 4000896+
828 Lg-6	6	300	334	226672

1816 Flat nose pliers

Made in Germany

- **Particularly flat shape for use in very confined spaces**

- Application: Removal and adjustment of the grab handles in the interior as well as the sun visors on VAG vehicles
- Flat form
- Straight design
- Handles with dip coating





HAZET No.	l mm	EAN-No. 4000896+
1816 K-1	135	232949

Components and spare parts from page 482 to 490

Car Glass / Wiper Arm

4852 Tool set for car glass removal

Made in Germany

- **Self-closing safety pull handles hold the sawing or cutting wire firmly**

- 4-point cutting wire for fast and easy cutting of nearly all adhesive beads
- Sawing wire twisted of three brass-plated steel wire for very hard or large adhesive beads
- Robust wire starter made of spring steel with large T-handle to pierce the wire through the bead
- Counterholder with long shaft and stable M4-thread secures the cutting wire from inside



HAZET No.		EAN-No. 4000896+
• Tool set for car glass removal, contents 4852-3 (2x) · 4 A · 5 · 6 · 7 • Extraction of glued car windows		
4852/6	6	129447
• **Pull handle** for collecting the cutting wire • Extraction of glued car windows		
4852-3	–	129454
• **Counterholder** for guiding and retaining the cutting wire • Extraction of glued car windows		
4852-4 A	–	164769
• **Wire starter** for puncturing the glue bead • Extraction of glued car windows		
4852-5	–	129478
• **Roll of square cutting wire** 0.6 x 0.6 mm, 22 metres • Extraction of glued car windows		
4852-6	–	129485
• **Roll of round cutting wire** ∅ 0.8 mm, 22 metres • Extraction of glued car windows		
4852-7	–	129492

4850 Nozzle adjusting tool

- **The telescopic handle can be used to indicate the nozzle jet direction to the windscreen**

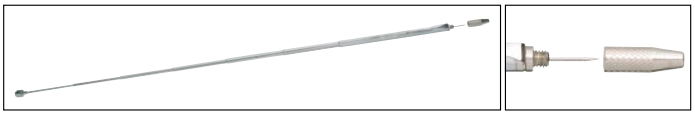
- Application: Adjusting the nozzles of the windscreen washing systems
- With pocket clip
- Magnetic head: 6 mm ∅
- Adjusting needle (∅ 0.7 mm) and protection cap



►

4850 Nozzle adjusting tool

◄



HAZET No.	l_1 mm	l_2 mm	EAN-No. 4000896+
4850-1	155	670	022366

- **The telescopic handle can be used to indicate the nozzle jet direction to the windscreen**

- Application: Adjusting the nozzles of the windscreen washing systems
- With pocket clip
- Integrated LED for easy detection of parts in dark environments, such as the engine compartment etc.
- Extra powerful magnet 8 mm ∅ to pick up small parts
- Adjusting needle (∅ 2 mm)





HAZET No.	l_1 mm	l_2 mm	EAN-No. 4000896+
4850-2	183	682	149544

4852 Dashboard protection set · with handle

- **The light blue colour draws attention to soiling on the individual protection panels quicker than conventional grey protective panels do and therefore prevents the interior from being soiled**

- Application: For protection against damage to the dashboard, interior lining and vehicle headlining when removing windows
- Clean and professional work
- Sturdy plastic
- Contents:
  Protection panel, angled, 270 200 mm
  Protection panel, angled, 450 300 mm
  Protection panel, straight 270 x 200 mm
  Protection panel, straight, 450 x 300 mm





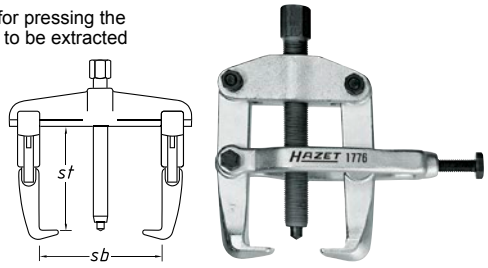
HAZET No.		EAN-No. 4000896+
4852/4	4	210114

Steering wheel

1776 Pitman arm puller · 2-arm

Made in Germany

- For ball bearings, toothed wheels, pinions, **pitman arms** and similar
- The clamp clip is used for pressing the puller jaws on the parts to be extracted
- Surface: galvanised



HAZET No.	sb mm	st mm	Spindle	EAN-No. 4000896+
1776- 85	90	85	M18x1.5x130 mm	135943
1776-100	90	100	M18x1.5x130 mm	135950
1776-140	150	140	G½"x175 mm	135967

2223 LG Bit

- Long design
- Hexagon drive similar to ISO 1173 C6.3 (¼")



HAZET No.	l mm	mm	EAN-No. 4000896+
• Round blade • Suitable for all **MERCEDES-BENZ** passenger cars model year → 2011 with bolted air bag unit • For removal and installation of the **airbag unit** e.g. **MERCEDES-BENZ, VW, AUDI, OPEL/VAUXHALL, PORSCHE** (inside TORX® screws T30)			
2223 Lg-T 30	70	5.52	015092

Commercial Vehicles

Engine

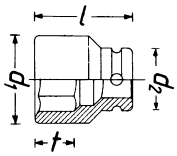
Cylinder head

2850 TORX® impact socket

Made in Germany

- **Operation of cylinder head bolts**

- Reinforced design
- Long design
- With borehole for locking pin or safety spring and grove for O-ring
- Surface: phosphatized, oiled





HAZET No.	s	l mm	d_1 mm	d_2 mm	mm	t mm	EAN-No. 4000896+
• **MAN** commercial vehicles F 2000, F 90, F 8 and **MAN** buses with D 25 and D 28 engines							
2850-E 20	E20	110	25	44	18.49	15	079681
• **MAN** commercial vehicles with Common Rail Engine (D20)							
2850-E 24	E24	110	30	44	22.16	17.5	146758

Fuel System / Fuel Injection

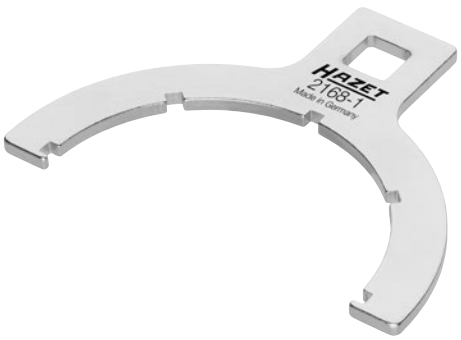
2168 Fuel filter wrench

Made in Germany

- **Easy operation with introduced square 12.5 mm (½ inch)**

- Application: Operation of fuel filter housing on construction and agricultural machinery
- For e.g.: **CLAAS** Torion, **LIEBHERR** wheel loaders and wheel loaders with Euro 6 emission standard and **LIEBHERR**, **JOHN DEERE** engines
- Harvester 1070G, 1170G · Forwarder 1110G, 1210G, 1510G · Caterpillar-track timber crane 2154G, 2154 G · Log loader 2156G, 2156G LC · Timber crane, hitch-mounted 337E, 437E · Wheel loader 524K, 524K-II, 524L, 544K, 544L · Field sprayer, self-propelled R403, R4040L, R4050L · Tractors 6M, 6R series · Tractors 7R series · Combine T series · Combine W series · Bulldozer 700K · Excavator 210G LC Deere · Sprayer Mazzotti MAF HP · Hagie STS 10, STS 12





HAZET No.	EAN-No. 4000896+
2168-1	223251

Components and spare parts from page 482 to 490

2849 Single box-end wrench

Made in Germany

- **Operation of the turbocharger nuts on MAN HGVs**

- Bent form of the box wrench is especially adapted to the confined spaces
- Ergonomically shaped HAZET 2-component handle



HAZET No.	l mm	EAN-No. 4000896+
2849-15	266	159284

2871-E12 Turbocharger / manifold TORX® socket

Made in Germany

- **Lower installation height than nut-driver with reversible ratchet**

- Application: Operating the turbocharger and manifold screws (E12)
- On **MAN** TGL · TGM with E08 engines
- Drive *s* 17 mm
  Operation e.g. with ratcheting combination wrench 606-17 or insert box-end wrench 6630 d-17 and tool holder 6397 (screw loosening) with torque wrench 6292-1 CT (screw tightening)
- Necessary due to limited space
- Surface: phosphatized, oiled



HAZET No.	l mm	EAN-No. 4000896+
2871-E 12	28	201730

4550 Injection line wrench

Made in Germany

- **Open 12-point socket**

- Application: Operating screwed connections on injection lines
- Surface: chrome-plated
- On **MAN** commercial vehicles with D 20 engines – common rail injection systems
- **Short style**
- ☐ Drive 10 = ⅜″



HAZET No.	s mm	l mm	d_1 mm	d_2 mm	t mm	EAN-No. 4000896+
4550-3	17	83	27	18	8	104307

Made in Germany

- **Professional operating of the screwed connection on injection line**

- Application: Operation of the union nut on the high-pressure line on the injection valve common rail injection system
- Open double hexagon socket for injection lines
- The tightening torque required by the manufacturer is achieved by using a HAZET torque wrench (observe manufacturer specifications)
- Surface: burnished
- **DAF** Euro 6 engines MX11/ MX13 e.g. XF · CF
- ☐ Drive 12.5 = ½″



HAZET No.	s mm	l mm	d_1 mm	d_2 mm	t mm	EAN-No. 4000896+
4550-21	21	91	33	32	19	204137

4558 Pressure nut crown wrench

Made in Germany

- Application: Operation of the **compression nut at the nozzle holder**
- Surface: chrome-plated









HAZET No.	l mm	d_1 mm	d_2 mm	EAN-No. 4000896+
• For **MAN and MERCEDES-BENZ** commercial vehicles M 401/421, M 402/422 · LA · A · M 403/423 · M 470h				
4558	72	–	–	021888
• For commercial vehicles with EDC engines: **MERCEDES-BENZ and MAN** • With hole bored through for connecting cable • 32 mm outside hexagon drive • Chrome-vanadium • Surface chrome-plated				
4558-1	120	29	36	050529
• E.g. for **MERCEDES-BENZ and MAN** commercial vehicles • Counterholder for fixation between compression nut and nozzle holder – prevents slipping • 32 mm outside hexagon drive				
4558-2	69	28.4	25	057344

1788 T Impact extractor

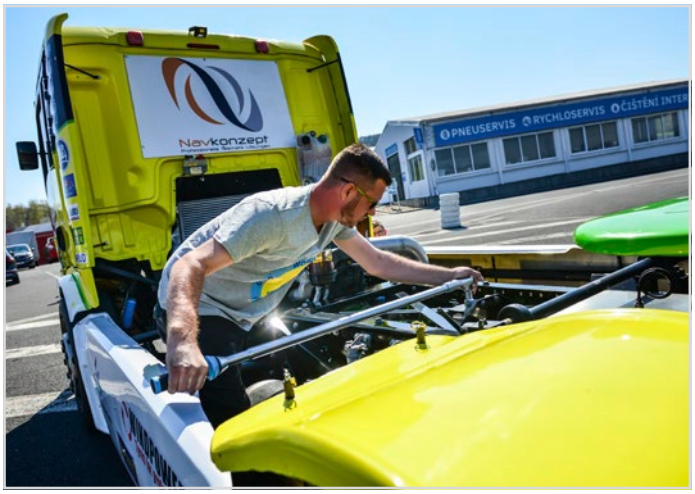
Made in Germany

- Application: For disassembly of tight common rail injectors **without** removing the cylinder head

- **Impact extractor** (sliding hammer – sliding weight 200 g) with coupler thread M 10
- Removal of caps with inside thread, ball bearings, washers etc.
- To be used with stud bolt set 1788 T-1/6 and internal extractors 1788 N-15 to 35
- Also together with injector extractor 4797-5



HAZET No.	M	l mm	EAN-No. 4000896+
1788 T-1	M10	226	134304



4797 Injector extractor

Made in Germany

- Application: For disassembly of tight common rail injectors **without** removing the cylinder head



Easy removal of injectors together with impact extractor e.g. **HAZET 1788 T-1**

- **Injector claw** with inside thread M10 x 1.5 mm
- **MAN** Engines D08 · D20 · D26 · D28
- Suited to the very limited space in the cylinder head
- Due to the tool's claw, the injector in the upper part may be gripped without causing damage





HAZET No.	l mm	EAN-No. 4000896+
4797-5	174	176137

2168 Ad-Blue® filter wrench

Made in Germany

- **Operation of the filter housing cap when replacing the AdBlue® filter (urea solution filter) on MERCEDES-BENZ commercial vehicles with BlueTec® engines, e.g. Actros, Atego, Axor, Econic**

- The tightening torque recommended by the vehicle manufacturer (please follow the instructions of the manufacturer) is reached e.g. with the torque wrench HAZET 6110-1 CT
- ⬡ 46 mm





HAZET No.	∅ mm	EAN-No. 4000896+
2168-46	59	156252

Diagnostics

4800 Radiator tester for agricultural machinery

Made in Germany

- Application: Checking for leakage in cooling systems and heating circuits
- Classification to vehicle types: **www.hazet.de → Service → The Tool Finder → Radiator adapters 4800**
- Plastic box
- 4800-1 Cooling pump to 2.5 bar
- 4800-2 Intermediary piece, flexible hose
- 4800-3 Radiator adapter for **AMAZONE** Pantera
  CLAAS Jaguar · Lexion · Scorpion · Ares · Atles · Ceres
  FENDT
  MASSEY FERGUSSON with tank number 180224M92 and 4296015M1
  CASE Quadtruc · Magnum
- 4800-4 A Radiator adapter for **CASE** Puma · SBS · LBS · Optum · Maxxum · CVX
  NEW HOLLAND TVT · T7, T7 Elite Pack · T6
  FENDT Vario model year 2000 → Combine harvester L series
  CLAAS Arion · Axion
  DEUTZ engines 3.6 PowerPack · BF6M1013FC · TCD2013L6 2V and 4V genset 250kV
- 4800-5 A Radiator adapter for **FENDT** Farmer 300 model year 1988 → · Type 500 · Type 700 · Vario model year 1988 → 2000
- 4800-20 Radiator adapter for **CLAAS** Xerion · Tucano as well as all new **CLAAS** machines with **MERCEDES-BENZ** expansion tank





HAZET No.		EAN-No. 4000896+
4800/6	6	216482

4800 Commercial vehicle radiator tester

Made in Germany

- Application: Checking for leakage in cooling systems and heating circuits
- Classification to vehicle types: **www.hazet.de → Service → The Tool Finder → Radiator adapters 4800**
- Plastic box
- 4800-1 Cooling pump to 2.5 bar
- 4800-2 Intermediary piece, flexible hose
- 4800-3 Radiator adapter for **DAF** 45 model year 05/1991 → 12/2000
  DOOSAN wheel excavator S, caterpillar excavator DX
  KAESER Mobilair
  LIEBHERR A308-316
  MERCEDES-BENZ Vito, Viano, Solaris
  NISSAN forklifts
  PUTZMEISTER BSA 1409
  SCANIA Vabis
- 4800-5 A radiator adapter for **COMPAIR** mobile compressor with **VW** expansion tank
  LINDE forklift
  PUTZMEISTER BSA 1407D · BSA 2110 HP-D
  RENAULT Midlium model year 01/2000 → 12/2013
  Volvo FE model year 05/2006 → · FL model year 03/2000 →
- 4800-25 radiator adapter for **MAN** buses such as Lions Coach, Lions Star, Lions Comfort, Lions City
  MERCEDES-BENZ Citaro model year 01/1998
  IVECO Euro-Star, Euro-Tech, Euro-Truck, Stralis, Daily with black lock
  MAN F90, F2000, TGA model year 03/2000 →, TGL model year 04/2005 →, TGM model year 10/2005 →, TGS model year 10/2007 → 01/2012, TGX model year 10/2007 → 01/2012
  MERCEDES-BENZ commercial vehicles Actros, Atego 1217 model year → 1999, Eco 8401, SK1728, Antos, Arocs, Atego model year 1998 → 2013, Axor model year 09/2001 → 10/2004, Econic, Zentros
- 4800-26 Radiator adapter for **DAF** CF, XF Euro 6 model year 2013 →
- 4800-27 Radiator adapter for **MERCEDES-BENZ** Atego model year 2014 →
- 4800-28 radiator adapter for **MERCEDES-BENZ** Actros EURO 6 with HEYCO expansion tank model year 2014 →
  MAN TGX, TGS EURO 6 with HEYCO expansion tank model year 2012 →



HAZET No.		EAN-No. 4000896+
4800/8	8	216499

Components and spare parts from page 482 to 490

4800 Radiator adapter

Made in Germany

- Application: Checking for leakage in cooling systems and heating circuits

Extended range for existing radiator tester HAZET 4800

- Threads adjusted exactly to opening of the expansion tank
- Coupling nipple for connection to the quick coupling connection of the cooling pump 4800-1 and intermediary piece 4800-2 or vacuum radiator filler HAZET 4801-1 and 4802-1



HAZET No.	EAN-No. 4000896+
• **SCANIA** 143 · G- · P- and R-series	
4800-29	222780
Radiator adapter for • **CLAAS** Xerion · Tucano **IVECO** Euro-Star · Euro-Tech · Euro-Truck · Daily with black lock **MAN** F90 · F2000 · TGA model year 03/2000 → · TGL model year 04/2005 → · TGM model year 10/2005 → · TGS model year 10/2007 → 01/2012 · TGX model year 10/2007 → 01/2012 → **MERCEDES-BENZ** Commercial vehicles Actros · Atego 1217 model year → 1999 · Eco 8401 · SK1728 · Antos · Arocs · Atego model year 1998 → 2013 · Axor model year 09/2001 → 10/2004 · Econic · Zentros	
4800-20	144242
Radiator adapter with angled hose connector, particularly suitable for use in areas with restricted access for • E.g. **MAN** buses such as Lions Coach · Lions Star · Lions Comfort · Lions City • **MERCEDES BENZ** Citaro model year 01/1998 · Actros · Atego 1217 model year → 1999 · Eco 8401 · SK1728 · Antos · Arocs · Atego model year 1998 → 2013 · Axor model year 09/2001 → 10/2004 · Econic · Zentros • **IVECO** Stralis · Euro-Star · Euro-Tech · Euro-Truck · Daily with black lock • **CLAAS** Xerion · Tucano • **MAN** F90 · F2000 · TGA model year 03/2000 → · TGL model year 04/2005 → · TGM model year 10/2005 → · TGS model year 10/2007 → 01/2012 · TGX model year 10/2007 → 01/2012	
4800-25	203857
• **DAF** Cf and XF Euro 6 model year 2013 →	
4800-26	214495
• **MERCEDES-BENZ** Atego model year 2014 →	
4800-27	214501
• **MERCEDES-BENZ** Actros EURO 6, model year 2014 → with HEYCO expansion tank **MAN** TGX and TGS EURO 6, model year 2012 → with HEYCO expansion tank **FENDT** Ideal 8 · Ideal 9 · 900 Vario · 1000 Vario	
4800-28	214518



4802 Commercial vehicle vacuum radiator filler

Made in Germany

- **Suitable in conjunction with single or universal adapters, e.g. 4801-2/3**

- Application: Vacuum leakage test before refilling the cooling system
- **Filling of the coolant and heating circuit without bubbles in trucks · buses · agricultural machinery and construction vehicles**
- New design of the vacuum radiator filler allows the desired vacuum to be reached faster, which allows the cooling system to be filled more quickly
- Fast cooling fluid flow rate: **80 litres in around 20 minutes**
- Filling possible with standard stoppers as well as with fixed cap
- No cooling fluid is lost through the cooling system overflowing
- Separate control through the diagnostic testing device is no longer necessary

YouTube Clip



HAZET No.	EAN-No. 4000896+
4802-1	200030

Oil Service

2169 Oil filter wrench

Made in Germany

- Application: Operation of oil filters e.g. from MANN as well as MAHLE/KNECHT





HAZET No.	mm	EAN-No. 4000896+
• Drive: Outside 6-point *s* 24 mm / ☐ drive 12.5 ½″ • Output: **15-point *s* 105 mm** • For e.g.: **Volvo** · **SCANIA** · **RENAULT** · **MAN** · **IVECO** · **FIAT** · **FODEN** · **IRISBUS** · **ASTRA** · **CATERPILLAR** · **LIEBHERR** · **JOHN DEERE** · **KOMATSU** · **FAUN** · **MITSUBISHI** • The torque value recommended by the vehicle manufacturer can be safely achieved, e.g. with a HAZET torque wrench (Attention: observe the manufacturer's tightening torque value)		
2169-9	24	116690

Made in Germany

- **Forged design**

- Application: Installing and removing **oil filters and oil filter housing caps** when changing the oil filter element
- Surface: chrome-plated

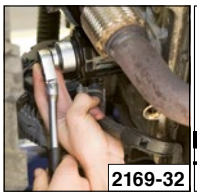


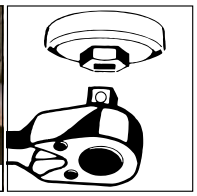
▶

Components and spare parts from page 482 to 490

2169 Oil filter wrench

◄





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HAZET No.	⬢ mm	∅ mm	EAN-No. 4000896+
• **6-point** *s* **32 mm** **OPEL/VAUXHALL** Astra · Corsa · 1.9 l CDTi · Astra 2.0 CDTi **VW** Passat · Golf 6 with 1.6 and 2.0 CR-TDI · Passat B7 1.6 · 2.0 diesel engine · Golf 7 2.0 petrol engine · Polo 5 1.2 l-1.4 l TDI · Polo 1.2 l petrol engines model year 2005→ · Transporter T5 1.9 l diesel model year 2004→ · Touran TDi · Tiguan model year 2007→ 1.4 l (90/118kW) 2.0 l diesel engines · **AUDI** A6 3.2 l TSI · V6 model year 2004→ · A4 diesel from model year 12/2007 **BMW** 530d M57 model year 2008→ For urea solution filter Ad-Blue® **MAN** e.g. TGX			
2169-32	32	43	082346
• **6-point** *s* **36 mm** e.g. for **MERCEDES-BENZ** engine 116 MB · 100 D Transporter · Actros MP 1 · MP 2 · **BMW** M 52-6-cylinder: 3 Series · 5 Series · M 60-8-cylinder: 5 Series · 7 Series · 8 Series · M 73-12-cylinder: 7 Series · 8 Series · 1 Series (E87): 118d · 120d · 1 Series (F20) 118i · **OPEL/VAUXHALL** Vectra B DI 16 V · Insignia · **VW** Lupo 1.2 TDi · Polo 5 1.2 l · Golf 6 1.4 l SRE/TSI · Touareg TDi · T5 2.5 D · Passat B7 3.6 l FSI · **AUDI** 6-cylinder petrol engines model year 12/2007 → For **MAN** fuel filters e.g. TGA			
2169-36	36	50	086566

2171 Oil filter wrench

Made in Germany

- **Steel strip adjustable to seven positions**

- Application: Operation of oil filters
  e.g. as an assembly tool for oil and fuel filters on **MAN** commercial vehicles





HAZET No.	*l* mm	∅ mm	EAN-No. 4000896+
2171-1	160	80–110	013418
2171-2	230	75–110	013432

2171 Oil filter chain wrench

Made in Germany

- **The opening in the oil filter chain allows them to be used even in places which are difficult to reach due to the construction**

- Application: Operation of oil filters and the operation of air dryer cartridges



YouTube Clip



HAZET No.	∅ mm	EAN-No. 4000896+
2171-8 Lg	50–150	203703

Brakes

2195 Cartridge wrench

Made in Germany

- **Forged design**

- Application: Operating the granulates cartridge on commercial vehicles with compressed air dryers
- Design “Made by HAZET”
- Negative position of arms
- MAN No. 8099606-0307
- Surface: burnished, oiled





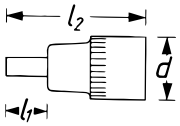
HAZET No.	∅ mm	EAN-No. 4000896+
2195	90–140	014101

2784 Brake calliper screwdriver socket

Made in Germany

- **Drive allows transmission of high separation forces**

- Application: Operation of the brake calliper screw connection (Knorr-Bremse) on **MERCEDES-BENZ** commercial vehicles e.g. Actros
  Operation of the upper wishbone screw on **MAN** TGA
- Enables controlled screw tightening with the torque value required by the manufacturer (follow manufacturer’s instructions) e.g. with torque wrench HAZET 6144-1 CT
- With knurling
- With bolt for locking pin retaining





HAZET No.	*s* mm	l_1 mm	l_2 mm	*d* mm	EAN-No. 4000896+
2784-14	14	60	112	33.2	155583

2784 Brake disc screwdriver socket set

Made in Germany

- **Drive allows transmission of high separation forces**

- Application: Operation of the brake disc screws on **MERCEDES-BENZ** Actros 2nd generation model 2011→
- Replaceable impact screwdriver socket T60





HAZET No.	*s*	l_2 mm	⬢ mm	▬	EAN-No. 4000896+
2784-T 60/4	T60	120	13.25	4	188611

Components and spare parts
from page 482 to 490

2871 Brake calliper TORX® socket

Made in Germany

- **Operation of the brake calliper screws on MAN commercial vehicles**

- Application: Brake calliper screws E20
- Operation e.g. with HAZET insert box-end wrench 6630 d-22 together with tool holder 6397 (screw loosening) or torque wrench 6293-1 CT or 6295-1 CT (screw tightening)





HAZET No.	s	l mm	d mm	mm	t mm	EAN-No. 4000896+
• For e.g. **MAN** TGM and TGL						
2871-E 18	E18	39.5	23.4	16.70	13.5	176175
• For e.g. **MAN** TGM · TGA						
2871-E 20	E20	39.5	25.7	18.49	15.9	148790
• For e.g. **MAN** TGA · TGS · TGX						
2871-E 24	E24	39.5	35	22.16	19.7	148783

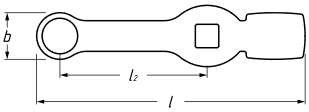
2872 TORX® slogging wrench · with 2 striking faces

Made in Germany

- **Use of the wrench for assembly and disassembly of the brake calliper screw connections renders disassembly of the steering tie lever unnecessary**

- Application: Operation of TORX® screws on brake calliper screw connections on commercial vehicle front axle and trailing axles
- Correct tightening of screws with torque wrench in accordance with the manufacturer's specifications
- Wrench flat with lasered formula for calculating the correct effective length







HAZET No.	l mm	l_2 mm	a mm	b mm	mm	EAN-No. 4000896+
For e.g. **MAN** TGL TGM						
2872-E 18	215	120	12	30	16.70	201235
2872-E 20	216	120	12	32	18.49	201242
For e.g. **MAN** TGA TGS TGX **MERCEDES-BENZ** Atego 970-976 – Vehicles with air suspension brake calliper screw connection on the rear axle						
2872-E 24	219	120	12	38	22.16	201259

2872 FS Box-end wrench – striking face pattern · 12-point · with 2 striking faces

Made in Germany

- **Use in trucks, buses, trailers and trailer axles without removing the wheel**

- Application: Operation of brake cylinder screw connections
- Also for brake cylinder screw screw connections protruding far into the rim
- Laser-engraved formula for rapid conversion of the tightening torque specified by the manufacturer
- 2 impact areas enable the force to be applied using a hammer
- Approx. 20 min time saving
- Highly stable and extremely durable

YouTube Clip



HAZET No.	a mm	b mm	EAN-No. 4000896+
2872 FS-24	12	38	209989

2872 SZ Box-end wrench – striking face pattern · 12-point · with 2 striking faces

Made in Germany

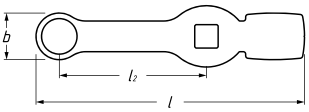
- **The 12-point profile allows application even in areas with hard-to-reach screw connections**

- Application: Operation of the brake calliper fitting on commercial vehicles
- Correct tightening of screws with a HAZET torque wrench in accordance with the manufacturer's specifications
- Wrench flat with laser-engraved formula for calculating the correct effective length



YouTube Clip





HAZET No.	l mm	l_2 mm	a mm	b mm	EAN-No. 4000896+
For e.g. **SAF**-brake calliper on **MERCEDES-BENZ** Atego and Actros					
2872 SZ-24	219	120	12	38	204175
E.g. for **DAF** XF95/ XF105/ XF					
2872 SZ-26	219	120	12	38	203727
For e.g. **MERCEDES-BENZ** Atego · Actros · **KÄSSBOHRER** buses **Volvo** FH					
2872 SZ-27	220.5	120	12	38	207183

4969 Compressed air quick-connector releasing tool

Made in Germany

- **For operation with open-end wrench size 13 mm (HAZET 600 N-13), no further tools necessary.**

- Application: Easy loosening of quick-connectors with 6 · 8 · 10 · 12 mm ∅
- For plug connectors DIN 74324 6x1.0 · 8x1.0 · 10x1.0 · 12x1.5 · 12x2.0 mm
- Enables separating of contaminated tubes and plug connectors
- To be used by one person
- Prevention of injuries
- Time saving and therefore also cost saving





YouTube Clip

HAZET No.	EAN-No. 4000896+
4969-612	204281

4971 Brake calliper resetting tool

Made in Germany

- **Adjustment with socket wrench *s* 12 mm**

- Application: Operating the adjuster (adjusting the brake calliper) on Knorr-Bremse disc brakes on trucks, buses, trailers and trailer axles of all brands
- Special 11-tooth profile



HAZET No.	l mm	d_1 mm	d_2 mm	t mm	EAN-No. 4000896+
4971-11	18	15	11.5	9.8	218257

4971 Brake calliper resetting tool

Made in Germany

- **Secure power transmission on the resetting device**

- Application: Resetting **WABCO** brake callipers without removing the brake cylinder
- Special insert in the ratchet wrench ensures safe power transmission on the resetting device
- For **WABCO** brake calliper in **MERCEDES-BENZ** Actros, Antos, Arocs
- Non-slip HAZET 3-component handle – allows high power transmission





HAZET No.	l mm	EAN-No. 4000896+
4971-12	454.4	232857

4972 Lifting aid

Made in Germany

- **Safe and back-friendly work in constricted spaces in the wheelhouse on trucks, buses, trailers and trailer axles**

- Application: Secure retention and movement of heavy components e.g. when disassembling and assembling brake callipers and wheel for commercial vehicles
- Makes screw tightening easier
- Takes the various installation conditions for brake callipers into account
- Easy to use
- One-handed operation possible via spindle
- Second person not required
- Setting range min./max.: 716 – 911 mm



YouTube Clip




4972-1


4972-2


4972-1/2


4972-3


4972-4

HAZET No.		EAN-No. 4000896+
• **Lifting aid** consisting of lifting aid 4972-3, – brake calliper holder 4972-1 and wheel hub holder 4972-4		
4972-1/3	3	215799
• **Brake calliper holder**		
4972-1	–	215423

▶

4972 Lifting aid

◀

HAZET No.		EAN-No. 4000896+
• **Swivel bearing** • Use with brake calliper holder 4972-1 • **Disassembly and assembly of brake callipers** in trucks, buses, trailers and trailer axles that are installed in a diagonal "clockwise position between 8 o'clock and 5 o'clock" • Makes it easy to set the screws, even in awkward positions • Connect swivel bearing to brake calliper holder and position with e.g. jacking carriage below brake calliper		
4972-2	–	215393
• **Lifting aid** single, without brake calliper holder 4972-1 and wheel hub holder 4972-4		
4972-3	–	215782
• **Wheel hub holder** • Use with lifting aid 4972-3 or 4972-1/3 • **Assembling and disassembling wheel hubs**		
4972-4	–	216031

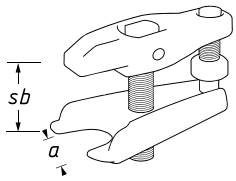
Chassis

Wheel Bearing / Wheel Hub

1790 Ball joint puller

Made in Germany

- Application: Removing the **ball joint pivots** of steering arms, steering tie rods, stabilizers etc. on heavy commercial vehicles
- Surface: galvanised, passivated (free from Cr 6)





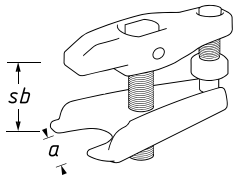
HAZET No.	a mm	sb mm	EAN-No. 4000896+
1790-3	40	85	145454

Made in Germany

- **Supported by hydraulic system**

- Application: Safe removal of **ball joint pivots** and ball joints
- Surface: galvanised, yellow passivated (free from Cr 6)





HAZET No.	a mm	sb mm	EAN-No. 4000896+
• For passenger cars · vans · commercial vehicles • Load maximum 12 tonnes			
1790-5	32	70	145461
• For commercial vehicles, buses and building machinery • Load maximum 12 tonnes			
1790-6	40	85	145478

Components and spare parts from page 482 to 490

4961 N Wheel hub grinder

Made in Germany

- **Grinding pad made of aluminium with 8-point profile enables safe and firm fixation of the grinding wheels**

- Application: Quick and easy removal of rust and dirt from contact surfaces of wheel hubs and brake discs with wheel bolt support
- Open-pored abrasive material and cup-formed grinding disc reduce the formation of dust to a minimum
- No formation of sparks









4961 N
-023 M/5 -023 S/5



HAZET No.		EAN-No. 4000896+
• Hexagon insert for firm hold on the device • Special grinder for optimal cleaning of the bearing surface of a wheel rim (wheel hubs) on trucks and transporters with stud bolt • **8-point profile** enables safe and firm fixation of the grinding wheel to the base component • Inside ∅ max.: 23 mm • Grinding wheel -∅: 56 mm • Made in Germany (base component made of aluminium) **12-piece set,** contents: 1 base component made of aluminium 5 grinding wheels for moderate soiling 6 grinding wheels for heavy soiling		
4961 N-23/12	12	186754
• Hook and loop fastener for quick changing of grinding wheels • **5 spare grinding wheels** for **moderate** soiling, outside ∅ 56 mm, maximum inside ∅ 23 mm		
4961 N-023 M/5	5	187270
• Hook and loop fastener for quick changing of grinding wheels • **5 spare grinding wheels** for **heavy** soiling, outside ∅ 56 mm, inside ∅ maximum 23 mm		
4961 N-023 S/5	5	187287

Cardan Shafts

4685-1 Taper key extractor

Made in Germany

- Application: Safe removal of taper keys from the sprockets of agricultural machinery as well as manual operation of input shafts on accessory equipment



HAZET No.	l mm	EAN-No. 4000896+
4685-1	420	222889

4685-2 Taper key extractor

Made in Germany

- Application: Safe removal of taper keys from the sprockets of agricultural machinery as well as manual operation of input shafts on accessory equipment



HAZET No.	l mm	EAN-No. 4000896+
4685-2	366	222896

4937 Commercial vehicle pin wrench set

Made in Germany

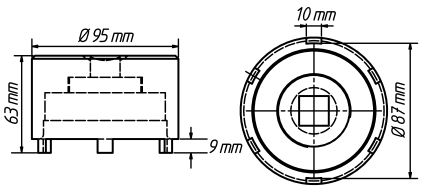
- **For repair and maintenance work on the wheel hub, wheel bearing or brake disc on MAN, MERCEDES-BENZ**

- For e.g. **MAN TGL** front axle model years 2000→ and L 2000 **MERCEDES-BENZ** Atego rear axle HL 2
- Precise fit
- Precise pin geometry for ideal tool operation in slotted nuts
- Solid design: high (shape) stability even with very high loosening or tightening torques
- Pin wrench for rear axle, inside ∅: 87 mm
- Length (total): 65 mm
- 6 pins, width of pins: 10 mm
- Two replaceable guide tubes
  Outside-∅: 49 mm · 57 mm
  Length (total): 140 mm

Operating tools for commercial vehicle axle nuts and wheel hubs
- Surface: burnished







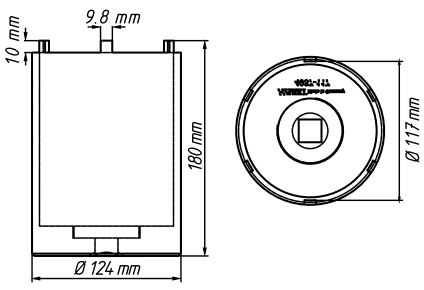
HAZET No.	l_2 mm		EAN-No. 4000896+
4937-87/3	54	3	199235

Made in Germany

- **For repair and maintenance work on the rear axle MERCEDES-BENZ**

- For **MERCEDES-BENZ** Actros · Hypoid rear axle HL · HL 8
- Precise fit
- Precise pin geometry for ideal tool operation in slotted nuts
- Solid design: high (shape) stability even with very high loosening or tightening torques
- Inside ∅: 117 mm
- Length (total): 200 mm
- 6 pins, pin width: 9.8 mm
- Guide tube
  Outside ∅: 60 mm
  length (total): 185 mm
- Surface: burnished





HAZET No.	l_2 mm		EAN-No. 4000896+
4937-117/2	180	2	199242

4937 Commercial vehicle hub cap socket

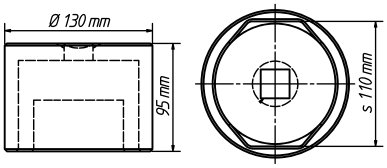
Made in Germany

25 1″

- **For flat oval BPW hub cap**

- For **BPW** Eco and Eco Plus axles
- Perfect fit for **BPW** contour ∅ 110 mm
- High fitting accuracy
- Solid design: high (shape) stability even with very high loosening or tightening torques
- Surface: burnished









HAZET No.	l_2 mm	EAN-No. 4000896+
4937-110	95	199273

4937 Commercial vehicle axle nut socket

Made in Germany

20 ¾″

- **Perfect fit for BPW contour ∅ 120 mm**

- Application: For flat oval BPW hub cap
- High fitting accuracy
- Solid design: high (shape) stability even with very high loosening or tightening torques
- Surface: burnished



HAZET No.	EAN-No. 4000896+
4937-120	210459

4937 Commercial vehicle pin wrench set

Made in Germany

20 ¾″

- **For repair and maintenance work on the wheel hub, wheel bearing or brake disc rear axle on MAN and MERCEDES-BENZ**

- For **MAN** and **MERCEDES-BENZ** 10 t and 13 t AP Hypoid and tag axle N7/4 · Omnibus 0305G · 0405G
  MAN hub reduction rear axle F series H7 · HD7
  Hypoid axle F series HY-1175 · HDY-1175
- Precise fit
- Precise pin geometry for ideal tool operation in slotted nuts
- Solid design: high (shape) stability even with very high loosening or tightening torques
- Inside ∅: 103 mm
- Length (total): 140 mm
- 6 pins, pin width: 11.5 mm
- Two replaceable guide tubes
  Outside-∅: 51.5 mm · 66.5 mm
  Length (total): 135 mm
- Surface: burnished

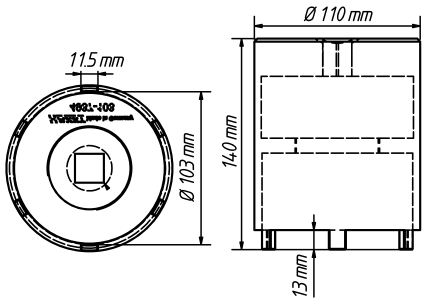


►

4937 Commercial vehicle pin wrench set

◄

20 ¾″





HAZET No.		EAN-No. 4000896+
4937-103/3	3	199259

4937 Commercial vehicle pin wrench set

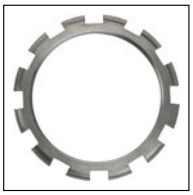
Made in Germany

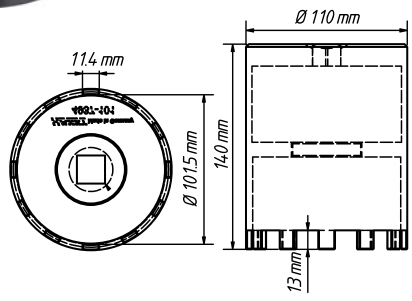
20 ¾″

- **For dismantling / assembly work on the rear axle as well as repair and maintenance work on the wheel hub, wheel bearing or brake disc rear axle MERCEDES-BENZ**

- **MERCEDES-BENZ** hub-reduction axle, such as tag axle NR 7/4
- **MERCEDES-BENZ** hub-reduction rear axle (Euro-axles) 10 t and 13 t, HL7/0 · HL7/1 · HL7/2 · HL7/3, HL7/18 · HO7/8 · HO7/9 · HL7/015, HL7/021 · HD7/2 · HD7/19DG · HD7/016DG
- **MERCEDES-BENZ** hub-reduction axle 7 t AL7/1
- Precise fit
- Precise pin geometry for ideal tool operation in slotted nuts
- Solid design: high (shape) stability even with very high loosening or tightening torques
- Inside ∅: 101.5 mm
- Length (total): 140 mm
- 12 pins, pin width: 11.4 mm
- Three replaceable guide tubes
  Outside-∅: 50 · 51 · 53 mm
  Length (total): 85 mm
- Surface: burnished







HAZET No.		EAN-No. 4000896+
4937-101/4	4	199266

4937 Commercial vehicle pin wrench

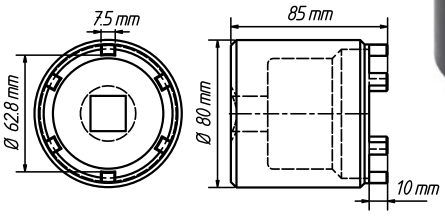
Made in Germany

20 3/4"

- **For rear axle MERCEDES-BENZ**

- For rear axle nuts **MERCEDES-BENZ** Actros · Atego (heavy design): LN2 · SK
  rear axle: 740.0/9 - 744.8 –
  745.7 - 747.7 - 748.2
  HD 7/19 DG 13 · HD4/16-1
- With outside guide collar
- Precise fit
- Precise pin geometry for ideal tool operation in pin nuts
- Solid design: high (shape) stability even with very high loosening or tightening torques
- Inner ∅: 62.8 / 70 mm
- 6 pins, pin width: 7.5 mm
- Surface: burnished







HAZET No.	l mm	EAN-No. 4000896+
4937-62	85	199020

4937 Commercial vehicle axle nut socket

Made in Germany

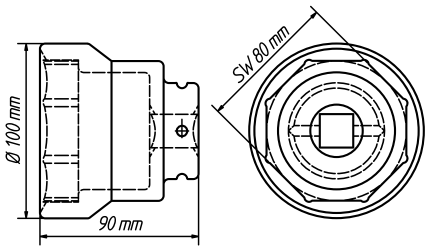
20 3/4"

- **Dismantling / assembly of the front axle nut with 8-point in front of the brake disc**

- **SCANIA** Series R · Series 4 ·
  Series 124 I - 144 I - etc.
- Suitable for impact wrench, e.g. HAZET 9013 SPC · 9013 MG
- Precise fit
- Parallel surfaces for perfect force fit on axle nuts
- Solid design: high (shape) stability even with very high loosening or tightening torques
- *s* 80 mm **8-point**
- For impact operation
- Surface: burnished







HAZET No.	l_2 mm	EAN-No. 4000896+
4937-80	90	199006

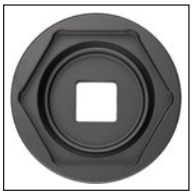
4937 Commercial vehicle axle nut socket

Made in Germany

20 3/4"

- **Nut-driver tuned to the axle nut ensures secure mounting of axle nuts**

- Application: Front axle screw connection for **DAF** CF and XF series
- Solid design: high (shape) stability even with high loosening or tightening torques
- **DAF**:
  CF FA · FT · FAR · FAN · FAT · FTT · FTP · FTG · FAD · FTS · FTR
  CF 65 FA
  CF 75 FA · FT · FAR · FAG · FAT · FAD
  CF 85 FA · FAR · FAG · FAN · FAT · FAC · FAX · FAQ · FAD · FT · FTP · FTS · FTR · FTG · FTT
  XF FA · FT · FAR · FTP · FAN · FTG · FTT · FAD · FAS · FAT · FAK · FTM · FAG · FAR
  XF 95 FA · FAD · FAK · FAN · FAR · FAS · FAT · FT · FTG · FTM · FTP · FTR · FTS · FTT
  XF 105 FA · FAR · FAS · FAT · FAK · FAD · FT · FTG · FTS · FTT · FTM
- Surface: burnished





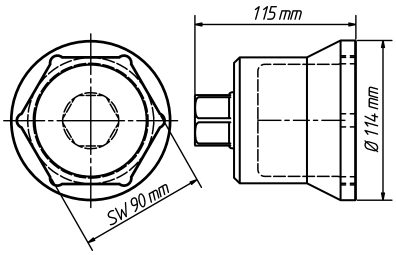
HAZET No.	l_2 mm	EAN-No. 4000896+
4937-S 80	63	206889

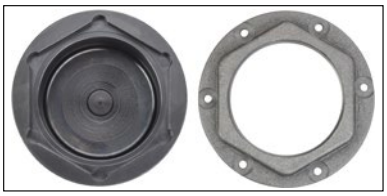
Made in Germany

- **With guide collar**

- Application: Operation of the rear axle nut on e.g. **IVECO** Daily 6.5 t · 7.0 t
- Nut-driver completely encloses the flat rear axle nut for secure work
- Suitable for impact wrench, e.g. HAZET 9013 SPC · 9013 MG with socket 1000 S-36
- Precise fit
- Parallel surfaces for perfect force fit on axle nuts
- Solid design: high (shape) stability even with very high loosening or tightening torques
- **Hexagon drive** *s* **36 mm**
- Output: *s* 90 mm
- For impact operation
- Surface: burnished







HAZET No.	l_2 mm	EAN-No. 4000896+
4937-90	115	199280

Components and spare parts from page 482 to 490

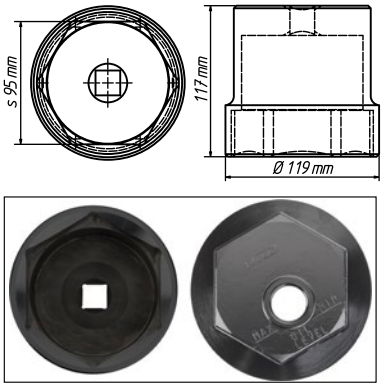
4937 Commercial vehicle oil caps / axle nut socket

Made in Germany

20 ¾″

- **Operation of the oil cap on the front axle**

- For e.g. **IVECO** Stralis and Eurofire · **MERCEDES-BENZ** Discos Trailer with compact bearing hub unit · **BPW** Eco Plus 1 · BPW Eco Plus 3 · **GIGANT** trailer axles
- Precise fit
- Solid design: high (shape) stability even with very high loosening or tightening torques
- Output: *s* 95 mm
- Surface: burnished





HAZET No.	l_2 mm	EAN-No. 4000896+
4937-95	117	199457

4937 Commercial vehicle centring sleeve set

Made in Germany

12⅝ ½″

- Application: Fast assembly of centred commercial vehicle drop centre rim wheels for rim hole ∅ 26 mm M22 x 1.5
- For e.g.: **DAF · FORD · MAN · MERCEDES-BENZ · RENAULT · Volvo**
- No damage of the thread as well as exact centring of the rims through conically cranked bushes
- High fitting accuracy through precise thread production
- Inside thread: M22 x 1.5 mm
- Surface: burnished



HAZET No.	l mm		EAN-No. 4000896+
4937-26/3	115	3	199013

4937 Commercial vehicle mounting bushing MAN · thread M100 x 1.5

Made in Germany

- **Mounting bushing to protect the thread on the axle during bearing disassembly and assembly**

- Use with **MAN** TGX · TGA · TGS e.g. for **MAN** HY 1350 axle (13 tonnes) · F2000 · Lion´s Star · Lion´s Regio · Lion´s Coach · Lion´s Clasic · ND · NUE · NM · **NEOPLAN** Starliner · Cityliner · Centroliner · Trendliner
- Only lift the approx. 40 kg bearing unit (bearing, brake disc and wheel hub) onto the mounting bushing once, then push up to the bearing seat with ∅ 105 mm
- Thread: M100 x 1.5
- Outside ∅: 105 mm
- Drive via chequered handle surface or suitable lateral rod
- Surface: burnished



HAZET No.	∅ mm	EAN-No. 4000896+
4937-100	105	201983

4937 Commercial vehicle axle nut socket set DAF · RENAULT · Volvo

Made in Germany

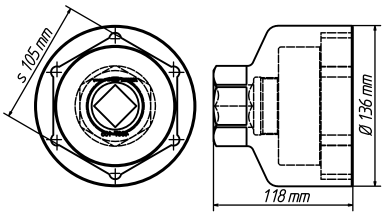
25 1″

- **Screw-in guide tube allows for flexible application**

- ☐ Drive 25 = 1″ or ⬢ 60 mm
- **DAF** with guide tube
- **RENAULT** · **Volvo** without guide tube
- With outside guide collar
- Operation possible with impact wrench (9014 MG-1 · 9014 MG-2) and torque wrench (6160-1 CT · 6170-1 CT)
- Precise fit
- Solid design: high (shape) stability even with very high loosening or tightening torques
- Surface: burnished







HAZET No.	l_2 mm		EAN-No. 4000896+
4937-105/2	118	2	201938

4937 MAN commercial vehicle pin wrench set for rear axle

Made in Germany

25 1″

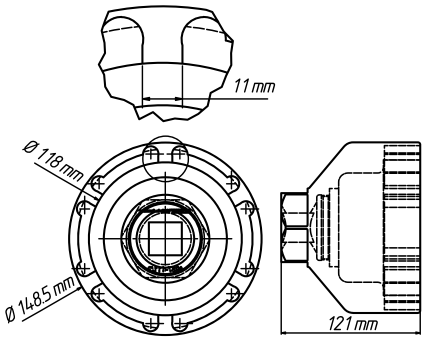
- **For MAN TGX, TGA, TGS**

- For e.g. rear axle HY 1350
- ☐ Drive 25 = 1″ or ⬢ 60 mm
- 6 inside pins, with 11 mm width
- Inside ∅: 134.5 mm
- Inside ∅ (pin-pin) 118 mm
- Outside ∅ 148.5 mm
- Operation possible with impact wrench (9014 MG-1 · 9014 MG-2) and torque wrench (6160-1 CT · 6170-1 CT)
- High fitting accuracy
- Precise pin geometry for ideal tool operation in pin nuts
- Solid design: high (shape) stability even with very high loosening or tightening torques
- Surface: burnished









HAZET No.	l_2 mm		EAN-No. 4000896+
4937-111/2	121	2	201945

Components and spare parts from page 482 to 490

4937 Commercial vehicle centring sleeve set

Made in Germany

- **For rim hole ∅ 26 mm 7/8"- 11 G e.g. SCANIA**

- Application: Fast assembly of centred commercial vehicle drop centre rim wheels for rim hole ∅ 26 mm
- No damage of the thread as well as exact centring of the rims through conically cranked bushes
- High fitting accuracy through precise thread production
- Inside thread: 7/8" – 11 G
- Surface: burnished



HAZET No.	l mm		EAN-No. 4000896+
4937-27/3	115	3	202010

4937 MERCEDES-BENZ commercial vehicle mounting bushing · thread M75 x 1.5

Made in Germany

- **Mounting bushing to protect the thread on the axle during bearing disassembly and assembly**

- Application: Use in **MERCEDES-BENZ** Atego, Atego 2, Tourino, Econic
- Only lift the 40 kg bearing unit (bearing, brake disc and wheel hub) onto the mounting bushing once, then push to the bearing seat with ∅ 78 mm
- Thread: M75 x 1.5
- Outside ∅: 78 mm
- Drive via lateral rod or without additional tools is possible (chequered handle surface)
- Surface: burnished



HAZET No.	∅ mm	EAN-No. 4000896+
4937-7578	78	201990

4937 MAN commercial vehicle mounting bushing · thread M75 x 1.5

Made in Germany

- **Mounting bushing to protect the thread on the axle during bearing disassembly and assembly**

- Application: Use with **MAN** TGL, TGM, L series, HL 2
- Only lift the 40 kg bearing unit (bearing, brake disc and wheel hub) onto the mounting bushing once, then push up to the bearing seat with ∅ 82 mm
- Thread: M75 x 1.5
- Outside ∅: 82 mm
- Drive via lateral rod or without additional tools is possible (chequered handle surface)
- Surface: burnished



HAZET No.	∅ mm	EAN-No. 4000896+
4937-7582	82	201969

4937 Commercial vehicle mounting sleeve SAF – thread M75 x 1.5 right/left

Made in Germany

- **Mounting bushing to protect the thread on the bearing journal during bearing disassembly and assembly**

- The bushing has both a left and a right thread M75 x 1.5
- For **SAF** axles with disc and drum brakes with ∅ 88 mm bearing seat
- Only lift the approx. 40 kg bearing unit (bearing, brake disc and wheel hub) onto the mounting bushing once, then push up to the bearing seat with ∅ 88 mm
- Outside ∅: 88 mm
- Drive via lateral rod or without additional tools is possible (chequered handle surface)
- Surface: burnished



HAZET No.	∅ mm	EAN-No. 4000896+
4937-7588	88	202003

4937 Commercial vehicle axle nut socket

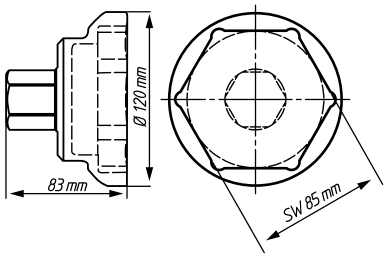
Made in Germany

- **Solid design: high (shape) stability even with high loosening or tightening torques**

- Operation of the axle nut, e.g. on **SAF** trailer axles for repair and maintenance work
- **Hexagon drive** *s* **36 mm**
- Output: *s* 85 mm
- Surface: burnished







HAZET No.	l_2 mm	EAN-No. 4000896+
4937-85	83	204267



Components and spare parts from page 482 to 490

4937 Commercial vehicle pin wrench for front axle MAN

Made in Germany

20 ¾″

- **Pin wrench MAN TGX, TGA, TGS all models, model year 2000 →**

- For e.g. front axle V9-82L-01 (disc brake with ABS) and **MERCEDES-BENZ** Atego rear axle as well as **MAN** · **MERCEDES-BENZ** · **VAN HOOL** and **NEOPLAN** buses
- Inside ∅: 100.5 mm
- Inside ∅ (pin-pin): 92.5 mm
- Outside ∅: 114 mm
- 6 inside pins with 7 mm width
- ☐ Drive 20 = ¾″ as well as outside hexagon *s* 46 mm
- Can be used with ■ 20 = ¾″ impact wrench (9013 MG · 9013 M) and torque wrench (6145-1 CT · 6150-1 CT)
- High fitting accuracy
- Precise pin geometry for ideal tool operation in pin nuts
- Solid design: high (shape) stability even with very high loosening or tightening torques
- Screw connection tightening torque 750 – 800 Nm (please observe manufacturer's instructions)
- For: **MAN heavy goods vehicles:** E 2000 (ÖAF) · F 2000 · M 2000 L · M 2000 M **MAN** TGA · TGM · TGS · TGX
- **MAN** buses: Lions City · Lions Classic · Lions Coach · Lions Regio · Lions Star as well as older constructions (models) · chassis cabs
- **NEOPLAN** Cityliner · Starliner · Tourliner · Trendliner
- **TEMSA** Diamond · **VISEON** high-decker
- Surface: burnished



HAZET No.	l_2 mm	∅ mm	EAN-No. 4000896+
4937-92	84	114	201952

4937 Box-end wrench – striking face pattern · 12-point · with 2 striking faces

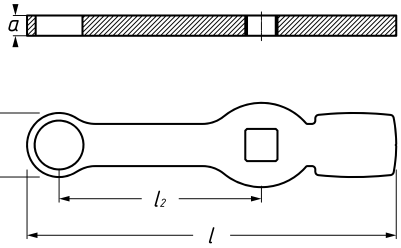
Made in Germany

20 ¾″

- **The 12-point profile allows application even in areas with hard-to-reach screw connections**

- Application: Operating the usually very tight cardan shaft screw connection, even when the space available is limited
- Laser-engraved formula for rapid conversion of the tightening torque specified by the manufacturer
- Especially suitable for all repairs on the go, where no working pit is available
- 2 impact areas enable the force to be applied using a hammer
- Highly stable and extremely durable





HAZET No.	l mm	a mm	b mm	EAN-No. 4000896+
For **Mercedes-Benz** commercial vehicle cardan shaft screw connections				
4937-19	215	12	30	215645
For **MAN** commercial vehicle cardan shaft screw connections				
4937-21	215	12	30	215638

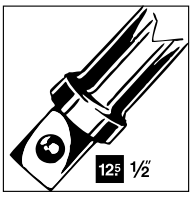
Wheels / Tyres

715 Four-way rim wrench

Made in Germany

- **For passenger cars, vans, people carriers and agricultural machinery**

- Forged central piece
- **Tested up to 500 Nm**
- With ■ 12.5 = ½″ for series 900 sockets
- Surface: chrome-plated, head polished
- DIN 3119, ISO 6788





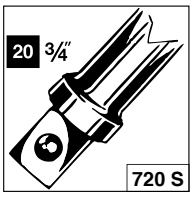
HAZET No.	s mm	l mm	EAN-No. 4000896+
715-01	17x19x22x12.5 ½	420	029464

720 Four-way rim wrench

Made in Germany

- **For commercial vehicles, tractors, agricultural and construction machinery**

- Forged central piece
- **Tested up to 2000 Nm**
- **American dimensions**
- Surface: chrome-plated, head polished
- DIN 3119





HAZET No.	s mm	l mm	EAN-No. 4000896+
720-30	24x27x30x32	750	029518
• With ■ 20 = ¾″ for series 1000 sockets			
720 S	24x27x32x20 ¾	750	029532

Components and spare parts from page 482 to 490

772 Universal axle and slotted nut wrench tool set

- **Clamping range: 35 – 170 mm**

20 3/4"

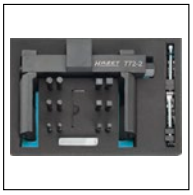
- Application: Removal and precise installation of nearly all common axle nuts, e.g. hexagon nuts, 8-point nuts, slotted nuts, face nuts, round nuts with drilled holes, round nuts with pin holes etc.
- Maximum torque: 700 Nm
- Plastic box
- Safety-Insert-System, 2-component soft foam insert.
  Insert also suitable for HAZET Assistent











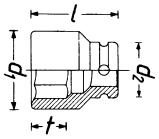
HAZET No.		EAN-No. 4000896+
772-2/16	16	161041

1004 S Impact socket · hexagon

Made in Germany

20 3/4"

- E.g. for **deeply located wheel nuts and bolts** on commercial vehicles
- **Extra long design**
- With borehole for locking pin or safety spring and grove for O-ring
- Surface: phosphatized, oiled
- DIN 3129, ISO 2725-2





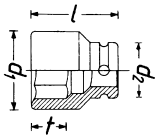
HAZET No.	l mm	d_1 mm	d_2 mm	t mm	EAN-No. 4000896+
1004 S-32	400	48	44	32	055784
1004 S-33	400	48	44	32	055791

1104 S Impact socket · hexagon

Made in Germany

25 1"

- E.g. for **deeply located wheel nuts and bolts** on commercial vehicles
- **Extra long design**
- With borehole for locking pin or safety spring and grove for O-ring
- Surface: phosphatized, oiled
- DIN 3129, ISO 2725-2





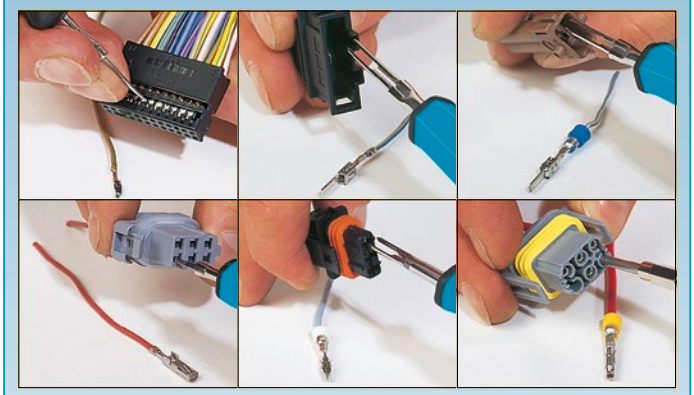
HAZET No.	l mm	d_1 mm	d_2 mm	t mm	EAN-No. 4000896+
1104 S-32	270	48.5	54	30.5	002665

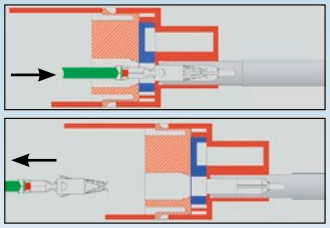
Electricity / Battery Service

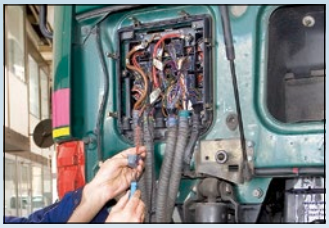
Contacts / Plug connections / Cable release tool

Cable release tool

- **For professional working**
- **High ease of use**
- **Safe application**
- OEM quality “Made in Germany”
- Malfunctions due to loose contacts can be remedied easily, quickly and professionally
- Universal application in the field of car electricity
- With sliding caps protecting the blades from damage and avoiding the risk of injury







4670 Cable release tool assortment

Made in Germany

- Application: For damage-free releasing of plug contacts, e.g. flat and round plug contacts
- **Extension set for HGV/commercial vehicles**



4671
4671-4 • 4671-15
4671-16



4672
4672-19 • 4672-21
4672-22



4673-12



4674
4674-9 • 4674-10



HAZET No.		EAN-No. 4000896+
4670-6/9	9	135776

Components and spare parts from page 482 to 490

4670 Cable release tool assortment

Made in Germany

- **Guarantees damage-free releasing of the most common commercial vehicle contacts**
- Application: For damage-free releasing of flat plug contacts, e.g. secondary locking, housing locking as well as flat spring contacts
- **Extension set for HGV/commercial vehicles**





4672
4672-1 • 4672-3 • 4672-4



4673
4673-1 • 4673-12

1/9

HAZET No.	L x W x H mm		EAN-No. 4000896+
4670-9/5	185x153x52	5	205042

Body and Interior Equipment

2784 SLG Impact socket set · with special profile

Made in Germany

- **Optimised special profile for damage-free attachment of the flat-head lightweight nuts**
- **Extra long style**
- Application: Operation of the lightweight nuts with special profile on the frame, fifth-wheel coupling, front carrier and vibration damper **MERCEDES-BENZ** Actros · Antos · Arocs model year 2016 →
- Surface: phosphatized



HAZET No.	l mm	∅ mm	d_1 mm	d_2 mm	t mm	EAN-No. 4000896+
2784 S Lg-1	75	39	38.8	30	16	218240

2784 S Impact socket set · with special profile

Made in Germany

- **Optimised special profile for damage-free attachment of the flat-head lightweight nuts**
- Application: Operation of the lightweight nuts with special profile on the frame, fifth-wheel coupling, front carrier and vibration damper **MERCEDES-BENZ** Actros · Antos · Arocs model year 2016 →
- Surface: phosphatized





HAZET No.	l mm	∅ mm	d_1 mm	d_2 mm	t mm	EAN-No. 4000896+
2784 S-1	45	39	38.8	30	16	213252

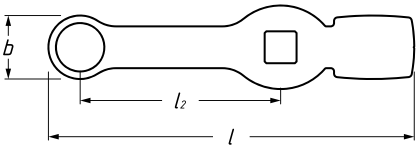
2784 SR Box-end wrench – striking face pattern · 12-point · with 2 striking faces

Made in Germany

- **Optimised special profile for damage-free attachment of the flat-head lightweight nuts**
- Application: For the operation of the lightweight nuts with special profile on the frame, fifth-wheel coupling, front carrier and vibration damper **MERCEDES-BENZ** on the Actros · Antos · Arocs model year 2016 →
- Special application in case of lack of space due to design and very low vehicle body
- Surface: phosphatized







HAZET No.	l mm	l_2 mm	a mm	b mm	EAN-No. 4000896+
2784 SR-1	220	120	12	41	229758

Components and spare parts from page 482 to 490



Spare parts (E)	HAZET No.	EAN-No. 4000896+	
For tool cabinet 111			
• **Lock with 2 keys** For HAZET tool trolley 111 L HAZET tool trolley *Assistent* 162 C · 166 N · 174	**160-08 a**	004294	
For tool trolley 162 C			
• **Lock with 2 keys** For HAZET tool trolley 111 L HAZET tool trolley *Assistent* 162 C · 166 N · 174	**160-08 a**	004294	
• **Container for small parts** • For HAZET *Assistent* 162 C · 166 C · 167 tool trolleys	**162 C-5**	078189	
• **Separation sheets** 5 pieces for intermediary tray • For *Assistent* 162 C · 166 C tool trolleys	**162 C-6/5**	120772	
• **Chain** with locking of chain case For HAZET *Assistent* 162 C · 166 C tool trolleys	**162 C-01/2**	079735	
• **Cover**complete with worktop For HAZET *Assistent* 162 C · 166 C tool trolleys	**162 C-010**	079780	
• **Swivel castor** ∅ 125 mm complete with brake For HAZET *Assistent* 162 C · 166 C tool trolleys	**162 C-011**	079865	
• **Set** of castors consisting of 2 swivel castors ∅ 125 mm and set of fixed castors ∅ 150 mm For 166 C	**162 C-0119**	079889	
• **Hand knob** For HAZET *Assistent* 162 C tool trolleys	**162 C-080**	080397	
For tool trolley 162 N			
• **Lock with 2 keys** For HAZET tool trolley 111 L HAZET tool trolley *Assistent* 162 C · 166 N · 174	**160-08 a**	004294	
• **Fixed castor** · 125 mm ∅ · complete For HAZET *Assistent* 166 N tool trolleys	**160-09**	004300	
• **Separation sheets**, 5 pieces • For HAZET *Assistent* 162 N and 166 N tool trolleys	**160-6/5**	120741	
• **Twin swivel castor,** · 75 mm ∅ · with brake · complete to be used in pairs For HAZET *Assistent* 166 N tool trolleys	**160-011**	004225	
• **Set** of castors · consisting of: 2 fixed castors · 125 mm ∅ · complete 2 twin swivel castors · 75 mm ∅ · with brakes · complete For 166 N	**160-0119**	004232	
• **Rubber mat** for table board For HAZET tool trolley *Assistent* 166 N	**160-012**	004263	
• **Profiled rubber strip** with black filler for table board or intermediary trays For HAZET tool trolley *Assistent* 166 N	**160-013**	004270	

Spare parts (E)	HAZET No.	EAN-No. 4000896+	
For tool cabinet 111			
• **Plastic bushing** for bottom intermediary tray For HAZET *Assistent* 166 N tool trolleys	**160-15**	004331	
• **Indexing box** for table board · complete For HAZET *Assistent* 166 N tool trolleys	**160-20**	004348	
• **Indexing box** for top intermediary tray · complete For HAZET *Assistent* 166 N tool trolleys	**160-40**	004362	
• **Chain** · 31 links · **per pair** For 166 N	**160 Lg-01**	004447	
• **Hand knob** For HAZET *Assistent* 162 C tool trolleys	**162 C-080**	080397	
For tool trolley 166 C			
• **Container for small parts** • For HAZET *Assistent* 162 C · 166 C · 167 tool trolleys	**162 C-5**	078189	
• **Separation sheets** 5 pieces for intermediary tray • For *Assistent* 162 C · 166 C tool trolleys	**162 C-6/5**	120772	
• **Chain** with locking of chain case For HAZET *Assistent* 162 C · 166 C tool trolleys	**162 C-01/2**	079735	
• **Cover**complete with worktop For HAZET *Assistent* 162 C · 166 C tool trolleys	**162 C-010**	079780	
• **Swivel castor** ∅ 125 mm complete with brake For HAZET *Assistent* 162 C · 166 C tool trolleys	**162 C-011**	079865	
• **Set** of castors consisting of 2 swivel castors ∅ 125 mm and set of fixed castors ∅ 150 mm For 166 C	**162 C-0119**	079889	
• **Tubular pillar** complete with hand knob and clamping rod For HAZET *Assistent* 166 C tool trolleys	**166 C-070**	079759	
• **Clamping rod** complete with hand knob and clamping rod For HAZET *Assistent* 166 C · 166 N tool trolleys	**166 C-080**	080403	
For tool trolley 166 N			
• **Lock with 2 keys** For HAZET tool trolley 111 L HAZET tool trolley *Assistent* 162 C · 166 N · 174	**160-08 a**	004294	
• **Separation sheets**, 5 pieces • For HAZET *Assistent* 162 N and 166 N tool trolleys	**160-6/5**	120741	
• **Fixed castor** · 125 mm ∅ · complete For HAZET *Assistent* 166 N tool trolleys	**160-09**	004300	
• **Twin swivel castor,** · 75 mm ∅ · with brake · complete to be used in pairs For HAZET *Assistent* 166 N tool trolleys	**160-011**	004225	

Spare parts Ⓔ	HAZET No.	EAN-No. 4000896+	
For tool trolley 166 N			
• **Set** of castors · consisting of: 2 fixed castors · 125 mm ∅ · complete 2 twin swivel castors · 75 mm ∅ · with brakes · complete For 166 N	**160-0119**	004232	
• **Rubber mat** for table board For HAZET tool trolley *Assistent* 166 N	**160-012**	004263	
• **Profiled rubber strip** with black filler for table board or intermediary trays For HAZET tool trolley *Assistent* 166 N	**160-013**	004270	
• **Plastic bushing** for bottom intermediary tray For HAZET *Assistent* 166 N tool trolleys	**160-15**	004331	
• **Indexing box** for table board · complete For HAZET *Assistent* 166 N tool trolleys	**160-20**	004348	
• **Indexing box** for top intermediary tray · complete For HAZET *Assistent* 166 N tool trolleys	**160-40**	004362	
• **Chain** · 31 links · **per pair** For 166 N	**160 Lg-01**	004447	
• **Clamping rod** complete with hand knob and clamping rod For HAZET *Assistent* 166 C · 166 N tool trolleys	**166 C-080**	080403	
For tool trolley 167-3 (S)			
• **Fixed castor** ∅ 100 mm For HAZET *Assistent* 167-3 · S · 177 tool trolleys	**177-09**	151158	
• **Swivel castor with brake,** ∅ 100 mm For HAZET *Assistent* 167-3 · S · 177 tool trolleys	**177-011**	151165	
• **Swivel castor without brake** · ∅ 100 mm For HAZET *Assistent* 167-3 · S · 177 tool trolleys	**177-0110**	151172	
For tool trolley 167 XXL			
• **Fixed castor** · black · ∅ 125 mm · (model year → 31/12/2020) For HAZET *Assistent* 167 XXL · 179 ·tool trolleys (179 N · 179 N X up to December 2020)	**179-09**	143160	
• **Swivel castor with brake** · black · ∅ 125 mm · (model year → 31/12/2020) For HAZET *Assistent* 167 XXL · 179 · (179 N · 179 N X tool trolleys up to December 2020)	**179-011**	143184	
For tool trolley 169 N			
• **Lock with 2 keys** For HAZET tool trolley 111 L HAZET tool trolley *Assistent* 162 C · 166 N · 174	**160-08 a**	004294	
• **Guiding rails,** · pair For HAZET *Assistent* 174 model year 6/2001 → **169 N model year 5/2000 →** **and 176-1** tool trolleys Guiding rail **suspended · inside width of drawer carrier 565 mm** and for **173 laterally extendable tray** complete · per pair	**169 N-07/2**	080304	
For tool trolley 171			
• **Guiding rails** · ball bearing · pair For HAZET *Assistent* 152 N · 168 N · 169 HD · 171 · 172 HD · 174 model year → 2000 tool trolleys **riveted slide · inside drawer carrier width: 545 mm** complete · **per pair**	**152 N-07**	003501	
• **Lock with 2 keys** For HAZET tool trolley 111 L HAZET tool trolley *Assistent* 162 C · 166 N · 174	**160-08 a**	004294	
• **Fixed castor** · 125 mm ∅ · complete For HAZET *Assistent* 166 N tool trolleys	**160-09**	004300	
• **Twin swivel castor,** · 75 mm ∅ · with brake · complete to be used in pairs For HAZET *Assistent* 166 N tool trolleys	**160-011**	004225	
• **Set** of castors · consisting of: 2 fixed castors · 125 mm ∅ · complete 2 twin swivel castors · 75 mm ∅ · with brakes · complete For 166 N	**160-0119**	004232	
For tool trolley 172 HD			
• **Guiding rails** · ball bearing · pair For HAZET *Assistent* 152 N · 168 N · 169 HD · 171 · 172 HD · 174 model year → 2000 tool trolleys **riveted slide · inside drawer carrier width: 545 mm** complete · **per pair**	**152 N-07**	003501	
• **Fixed castor** · 160 mm ∅ · complete For HAZET *Assistent* 172 HD · 174 tool trolleys	**172-09**	005710	

Spare parts Ⓔ	HAZET No.	EAN-No. 4000896+	
For tool trolley 172 HD			
• **Swivel castor** · 125 mm ∅ · with brake · complete For HAZET *Assistent* 172 HD tool trolleys	**172-011**	005550	
• **Set** of castors · consisting of: 2 fixed castors · 160 mm ∅ · with axle 20 mm ∅ complete · 2 swivel castors · 125 mm ∅ · with adequate fastening and brakes · complete For 172 HD	**172-0119**	005567	
For tool trolley 173			
• **Guiding rails,** · pair For HAZET *Assistent* 174 model year 6/2001 → **169 N model year 5/2000 →** **and 176-1** tool trolleys Guiding rail **suspended · inside width of drawer carrier 565 mm** and for **173 laterally extendable tray** complete · per pair	**169 N-07/2**	080304	
• **Drawer slides** · for front drawers complete · per pair For HAZET *Assistent* 173 tool trolleys	**173-07**	089819	
• **Fixed castor** · including screws · 125 mm ∅ For HAZET *Assistent* 173 tool trolleys	**173-09**	089932	
• **Swivel castor** · with brake · including screws For HAZET *Assistent* 173 tool trolleys	**173-011**	089949	
• **Lock** for side-locker and closing cylinder for central locking For HAZET *Assistent* 173 tool trolleys	**173-013**	090174	
• **Pawls · plastic** for locking · 5 pieces For HAZET *Assistent* 173 tool trolleys	**173-017**	090181	
• **Drawer locking pins** · 5 pieces · rivets included For HAZET *Assistent* 173 and 178 tool trolleys	**173-019**	090198	
• **Locking bar** For HAZET tool trolley *Assistent* 173	**173-021**	092741	
For tool trolley 174			
• **Guiding rails** · ball bearing · pair For HAZET *Assistent* 152 N · 168 N · 169 HD · 171 · 172 HD · 174 model year → 2000 tool trolleys **riveted slide · inside drawer carrier width: 545 mm** complete · **per pair**	**152 N-07**	003501	
• **Lock with 2 keys** For HAZET tool trolley 111 L HAZET tool trolley *Assistent* 162 C · 166 N · 174	**160-08 a**	004294	
• **Guiding rails,** · pair For HAZET *Assistent* 174 model year 6/2001 → **169 N model year 5/2000 →** **and 176-1** tool trolleys Guiding rail **suspended · inside width of drawer carrier 565 mm** and for **173 laterally extendable tray** complete · per pair	**169 N-07/2**	080304	
• **Fixed castor** · 160 mm ∅ · complete For HAZET *Assistent* 172 HD · 174 tool trolleys	**172-09**	005710	
For tool trolley 177			
• **Cylinder lock** with 2 keys For HAZET *Assistent* 177 tool trolleys	**177-04**	151226	
• **Fixed castor** ∅ 100 mm For HAZET *Assistent* 167-3 · S · 177 tool trolleys	**177-09**	151158	
• **Swivel castor with brake,** ∅ 100 mm For HAZET *Assistent* 167-3 · S · 177 tool trolleys	**177-011**	151165	
• **Swivel castor without brake** · ∅ 100 mm For HAZET *Assistent* 167-3 · S · 177 tool trolleys	**177-0110**	151172	
• **Flat drawer** · including ball-bearing guiding rails For HAZET *Assistent* 177 · 177 W tool trolleys	**177-80**	151189	
• **Ball-bearing guiding rails · pair** For HAZET *Assistent* 177 · 177 W · 178 · 178 N · 178 NK tool trolleys	**178-07/2**	143443	
• **Locking bar for individual locking** For HAZET *Assistent* 177 · 177 W · 178 · 179 · 179 W tool trolleys	**179-056**	146215	
For tool trolley 178			
• **Drawer locking pins** · 5 pieces · rivets included For HAZET *Assistent* 173 and 178 tool trolleys	**173-019**	090198	
• **Ball-bearing guiding rails · pair** For HAZET *Assistent* 177 · 177 W · 178 · 178 N · 178 NK tool trolleys	**178-07/2**	143443	
• **Flat drawer** · 75 mm For HAZET *Assistent* 178 tool trolleys	**178-050**	146178	

Spare parts Ⓔ	HAZET No.	EAN-No. 4000896+	
For tool trolley 177			
• **Edge protection** For HAZET Assistent 178 tool trolleys	**178-093**	143221	
• **Fixed castor** · black · ∅ 125 mm · (model year → 31/12/2020) For HAZET Assistent 167 XXL · 179 tool trolleys (179 N · 179 N X up to December 2020)	**179-09**	143160	
• **Swivel castor with brake** · black · ∅ 125 mm · (model year → 31/12/2020) For HAZET Assistent 167 XXL · 179 · (179 N · 179 N X tool trolleys up to December 2020)	**179-011**	143184	
• **Separation sheet** for flat drawer For HAZET Assistent 177 W · 178 · 179 · 179 W tool trolley	**179-055**	145782	
• **Locking bar for individual locking** For HAZET Assistent 177 · 177 W · 178 · 179 · 179 W tool trolleys	**179-056**	146215	
• **Separation sheet** for high drawer For HAZET Assistent 178 · 179 · 179 W tool trolleys	**179-065**	146239	
For tool trolley 179			
• **Guiding rails** · pair For HAZET Assistent 179 · 179 W tool trolleys	**179-07/2**	143177	
• **Set of locks** For HAZET Assistent 179-1 tool trolleys	**179-08/2**	188659	
• **Fixed castor** · black · ∅ 125 mm · (model year → 31/12/2020) For HAZET Assistent 167 XXL · 179 tool trolleys (179 N · 179 N X up to December 2020)	**179-09**	143160	
• **Swivel castor with brake** · black · ∅ 125 mm · (model year → 31/12/2020) For HAZET Assistent 167 XXL · 179 · (179 N · 179 N X tool trolleys up to December 2020)	**179-011**	143184	
• **Locking bolt plate** For HAZET Assistent 179 · 179 W tool trolleys	**179-019**	146208	
• **Flat drawer** · 75 mm For HAZET Assistent 179 · 179 W tool trolleys	**179-050**	146192	
• **High drawer** · 160 mm For HAZET Assistent 179 tool trolley	**179-051**	146185	
• **Separation sheet** for flat drawer For HAZET Assistent 177 W · 178 · 179 · 179 W tool trolley	**179-055**	145782	
• **Locking bar for individual locking** For HAZET Assistent 177 · 177 W · 178 · 179 · 179 W tool trolleys	**179-056**	146215	
• **Separation sheet** for high drawer For HAZET Assistent 178 · 179 · 179 W tool trolleys	**179-065**	146239	
For tool trolley 179 N (X)			
• **Fixed castor** · black · ∅ 125 mm · (model year → 31/12/2020) For HAZET Assistent 167 XXL · 179 ·tool trolleys (179 N · 179 N X up to December 2020)	**179-09**	143160	
• **Swivel castor with brake** · black · ∅ 125 mm · (model year → 31/12/2020) For HAZET Assistent 167 XXL · 179 · (179 N · 179 N X tool trolleys up to December 2020)	**179-011**	143184	
• **Cable** For HAZET tool trolley Assistent model year → 1/8/2019: 179 N · 179 N X	**179 N-01**	216703	
• **Locking bar** For HAZET tool trolley Assistent 179 N · 179 N X · 179 N XL · 179 N XXL	**179 N-04**	216475	
• **Worktop** · plastic For HAZET Assistent 179 N tool trolleys	**179 N-05**	216710	
• **Cover cap** For HAZET Assistent 179 N · 179 N X · 179 N XL · 179 N XXL tool trolleys	**179 N-05 K**	216666	
• **Pull-handle** For HAZET tool trolley Assistent 179 N	**179 N-06**	216468	
• **Telescopic rails** · Pair For HAZET Assistent 179 N · 179 N W · 179 N X tool trolleys	**179 N-07/2**	216697	
• **Cylinder lock** with 2 keys For HAZET tool trolleys Assistent model year → 1/8/2019: 179 N · 179 N X · 179 N XL · 179 N XXL	**179 N-08**	217311	
• **Drawer locking hook** For HAZET Assistent 179 N · 179 N W · 179 N X · 179 N XL · 179 N XXL tool trolleys	**179 N-019**	216635	
• **Drawer** · flat complete including telescopic rails (pair) · drawer handle profile · drawer locking hook For HAZET Assistent 179 N · 179 N W · 179 N X tool trolleys	**179 N-050**	216659	

Spare parts Ⓔ	HAZET No.	EAN-No. 4000896+	
For tool trolley 179 N (X)			
• **Drawer** · high complete including telescopic rails (pair) · drawer handle profile · drawer locking hook For HAZET Assistent 179 N · 179 N X tool trolleys	**179 N-051**	216642	
• **Drawer handle profile** For HAZET Assistent 179 N · 179 N W · 179 N X tool trolleys	**179 N-057**	216628	
• **Edge protection · lower** with lettering „Made in Germany“ for HAZET Assistent model year → 1/5/2019: 179 N · 179 N W · 179 N X · 179 N XL · 179 N XXL tool trolleys	**179 N-093**	216680	
• **Edge protection · upper** with „HAZET“ logo For HAZET Assistent model year 1/5/2019 →: 179 N · 179 N X · 179 N XL · 179 N XXL tool trolleys	**179 N-094**	216673	
• **Work surface · stainless steel** for HAZET Assistent 179 N X tool trolleys	**179 N X-05**	217298	
• **Plastic cover** For HAZET tool trolley Assistent 179 N X · 179 N XL · 179 N XXL	**179 N X-05 G**	217304	
• **Plastic cover** For HAZET Assistent 179 N X · 179 N XL · 179 N XXL tool trolleys	**179 N X-05 R**	217328	
• **Stainless steel pull-handle** For HAZET Assistent 179 N X · 179 N XL · 179 N XXL tool trolleys	**179 N X-06**	216727	
For tool trolley 179 XL			
• **Worktop** For HAZET tool trolley Assistent 179 XL	**179 XL-05**	181292	
• **Plastic cover** · on handle side For HAZET Assistent 179 A XXL · 179 T XXL · 179 XL · 179 XXL tool trolleys	**179 XL-05 G**	181308	
• **Cylinder lock** with 2 keys For HAZET Assistent 178 N · 178 NK · 179 XL · 179 XXL tool trolleys	**179 XL-08**	181124	
• **Locking bolt plate** for HAZET Assistent 179 A XXL · 179 T XXL · 179 XL · 179 XXL tool trolleys	**179 XL-019**	181278	
• **Plastic cover with logo** For HAZET tool trolley Assistent 179 · 179 A XXL · 179 T XXL · 179 XL · 179 XXL	**179 XL-045 L**	181285	
• **Flat drawer** Including telescopic bars For HAZET Assistent 179 XL tool trolley	**179 XL-050**	181254	
• **High drawer** Including telescopic bars For HAZET Assistent 179 XL tool trolley	**179 XL-051**	181247	
For tool trolley 179 N XL			
• **Locking bar** For HAZET tool trolley Assistent 179 N · 179 N X · 179 N XL · 179 N XXL	**179 N-04**	216475	
• **Cover cap** For HAZET Assistent 179 N · 179 N X · 179 N XL · 179 N XXL tool trolleys	**179 N-05 K**	216666	
• **Cylinder lock** with 2 keys For HAZET tool trolleys Assistent model year → 1/8/2019: 179 N · 179 N X · 179 N XL · 179 N XXL	**179 N-08**	217311	
• **Drawer locking hook** For HAZET Assistent 179 N · 179 N W · 179 N X · 179 N XL · 179 N XXL tool trolleys	**179 N-019**	216635	
• **Edge protection · lower** with lettering „Made in Germany“ for HAZET Assistent model year → 1/5/2019: 179 N · 179 N W · 179 N X · 179 N XL · 179 N XXL tool trolleys	**179 N-093**	216680	
• **Edge protection · upper** with „HAZET“ logo For HAZET Assistent model year 1/5/2019 →: 179 N · 179 N X · 179 N XL · 179 N XXL tool trolleys	**179 N-094**	216673	
• **Plastic cover** For HAZET tool trolley Assistent 179 N X · 179 N XL · 179 N XXL	**179 N X-05 G**	217304	
• **Plastic cover** For HAZET Assistent 179 N X · 179 N XL · 179 N XXL tool trolleys	**179 N X-05 R**	217328	
• **Stainless steel pull-handle** For HAZET Assistent 179 N X · 179 N XL · 179 N XXL tool trolleys	**179 N X-06**	216727	
• **Cable** For HAZET tool trolley Assistent model year → 1/8/2019: 179 N XL	**179 N XL-01**	216802	

Spare parts Ⓔ	HAZET No.	EAN-No. 4000896+	
For tool trolley 179 N XL			
• **Work surface · stainless steel** for HAZET Assistent 179 N XL tool trolleys	**179 N XL-05**	217281	
• **Telescopic rails** · pair For HAZET Assistent 179 N W · 179 N XL · 179 N XXL tool trolleys	**179 N XL-07/2**	216789	
• **Drawer · flat** complete including telescopic rails (pair) · drawer handle profile · drawer locking hook For HAZET Assistent 179 N W tool trolley	**179 N XL-050**	217267	
• **Drawer · high** complete including telescopic rails (pair) · drawer handle profile · drawer locking hook For HAZET Assistent 179 N W tool trolley	**179 N XL-051**	217250	
• **Drawer handle profile** For HAZET Assistent 179 N XL tool trolleys	**179 N XL-074**	216826	
• **Fixed castor** · black · ∅ 125 mm (model year → 31/12/2020) For HAZET Assistent 179 A XXL · 179 T XXL · 179 XL · 179 XXL · 179 N W · 179 N XL · 179 N XXL tool trolleys	**179 W-09**	146666	
• **Swivel castor with brake** · black · ∅ 125 mm (model year → 31/12/2020) For HAZET Assistent 179 A XXL · 179 XL · 179 XXL · 179 N XL · 179 N XXL · 179 T XXL · 179 N W tool trolleys	**179 W-011**	146659	
For tool trolley 179 XXL			
• **Flat drawer** · in 5/3 width Including telescopic bars For HAZET Assistent 179 A XXL · 179 T XXL · 179XXL tool trolleys	**179 XXL-050**	181346	
• **High drawer** · in 5/3 width Including telescopic bars For HAZET Assistent 179 XXL tool trolley	**179 XXL-051**	181353	
• **Drawer handle profile** · for 5/3 drawer For HAZET Assistent 179 A XXL tool trolleys · 179 T XXL · 179 XXL	**179 XXL-092**	181339	
For tool trolley 179 N XXL			
• **Locking bar** For HAZET tool trolley Assistent 179 N · 179 N X · 179 N XL · 179 N XXL	**179 N-04**	216475	
• **Cover cap** For HAZET Assistent 179 N · 179 N X · 179 N XL · 179 N XXL tool trolleys	**179 N-05 K**	216666	
• **Cylinder lock** with 2 keys For HAZET tool trolleys Assistent model year → 1/8/2019: 179 N · 179 N X · 179 N XL · 179 N XXL	**179 N-08**	217311	
• **Drawer locking hook** For HAZET Assistent 179 N · 179 N W · 179 N X · 179 N XL · 179 N XXL tool trolleys	**179 N-019**	216635	
• **Edge protection · lower** with lettering „Made in Germany“ for HAZET Assistent model year → 1/5/2019: 179 N · 179 N W · 179 N X · 179 N XL · 179 N XXL tool trolleys	**179 N-093**	216680	
• **Edge protection · upper** with „HAZET“ logo For HAZET Assistent model year 1/5/2019 →: 179 N · 179 N X · 179 N XL · 179 N XXL tool trolleys	**179 N-094**	216673	
• **Plastic cover** For HAZET tool trolley Assistent 179 N X · 179 N XL · 179 N XXL	**179 N X-05 G**	217304	
• **Plastic cover** For HAZET Assistent 179 N X · 179 N XL · 179 N XXL tool trolleys	**179 N X-05 R**	217328	
• **Stainless steel pull-handle** For HAZET Assistent 179 N X · 179 N XL · 179 N XXL tool trolleys	**179 N X-06**	216727	
• **Telescopic rails** · pair For HAZET Assistent 179 N W · 179 N XL · 179 N XXL tool trolleys	**179 N XL-07/2**	216789	
• **Cable** For HAZET Assistent model year → 1/8/2019: 179 N XXL tool trolleys	**179 N XXL-01**	216796	
• **Work surface · stainless steel** for HAZET Assistent 179 N XXL tool trolleys	**179 N XXL-05**	217274	
• **Drawer · flat** complete including telescopic rails (pair) · drawer handle profile · drawer locking hook For HAZET Assistent 179 N W tool trolley	**179 N XXL-050**	217243	

Spare parts Ⓔ	HAZET No.	EAN-No. 4000896+	
For tool trolley 179 N XXL			
• **Drawer · high** complete including telescopic rails (pair) · drawer handle profile · drawer locking hook complete including telescopic rails (pair) · handle profile screws · drawer locking hook screws For HAZET Assistent 179 N W tool trolley	**179 N XXL-051**	217236	
• **Drawer handle profile** For HAZET Assistent 179 N XXL tool trolleys	**179 N XXL-091**	216819	
• **Fixed castor** · black · ∅ 125 mm (model year → 31/12/2020) For HAZET Assistent 179 A XXL · 179 T XXL · 179 XL · 179 XXL · 179 N W · 179 N XL · 179 N XXL tool trolleys	**179 W-09**	146666	
• **Swivel castor with brake** · black · ∅ 125 mm (model year → 31/12/2020) For HAZET Assistent 179 A XXL · 179 XL · 179 XXL · 179 N XL · 179 N XXL · 179 T XXL · 179 N W tool trolleys	**179 W-011**	146659	
For tool trolley 179 T XXL			
• **Cylinder lock set** For HAZET Assistent 179 N W · 179 T XXL tool trolleys	**179 T XXL-08/2**	181438	
• **High drawer** · with 3/3 width For HAZET Assistent 179 A XXL · 179 T XXL tool trolleys	**179 T XXL-051**	181384	
For work bench 177 W			
• **Flat drawer** · including ball-bearing guiding rails For HAZET Assistent 177 · 177 W tool trolleys	**177-80**	151189	
• **Ball-bearing guiding rails · pair** For HAZET Assistent 177 · 177 W · 178 · 178 N · 178 NK tool trolleys	**178-07/2**	143443	
• **Separation sheet** for flat drawer For HAZET Assistent 177 W · 178 · 179 · 179 W tool trolley	**179-055**	145782	
• **Locking bar for individual locking** For HAZET Assistent 177 · 177 W · 178 · 179 · 179 W tool trolleys	**179-056**	146215	
For work bench 179 W			
• **Guiding rails** · pair For HAZET Assistent 179 · 179 W tool trolleys	**179-07/2**	143177	
• **Locking bolt plate** For HAZET Assistent 179 · 179 W tool trolleys	**179-019**	146208	
• **Flat drawer** · 75 mm For HAZET Assistent 179 · 179 W tool trolleys	**179-050**	146192	
• **Separation sheet** for flat drawer For HAZET Assistent 177 W · 178 · 179 · 179 W tool trolley	**179-055**	145782	
• **Locking bar for individual locking** For HAZET Assistent 177 · 177 W · 178 · 179 · 179 W tool trolleys	**179-056**	146215	
• **Separation sheet** for high drawer For HAZET Assistent 178 · 179 · 179 W tool trolleys	**179-065**	146239	
For work bench 179 N W			
• **Telescopic rails** · Pair For HAZET Assistent 179 N · 179 N W · 179 N X tool trolleys	**179 N-07/2**	216697	
• **Drawer locking hook** For HAZET Assistent 179 N · 179 N W · 179 N X · 179 N XL · 179 N XXL tool trolleys	**179 N-019**	216635	
• **Drawer** · flat complete including telescopic rails (pair) · drawer handle profile · drawer locking hook For HAZET Assistent 179 N · 179 N W · 179 N X tool trolleys	**179 N-050**	216659	
• **Drawer handle profile** For HAZET Assistent 179 N · 179 N W · 179 N X tool trolleys	**179 N-057**	216628	
• **Edge protection · lower** with lettering „Made in Germany“ for HAZET Assistent model year → 1/5/2019: 179 N · 179 N W · 179 N X · 179 N XL · 179 N XXL tool trolleys	**179 N-093**	216680	
• **Locking bar** For HAZET tool trolley Assistent 179 N W	**179 N W-04**	220151	
• **Worktop** · wood For HAZET Assistent 179 N W tool trolleys	**179 N W-05**	220175	
• **Magnetic catch** including 2 screws For HAZET Assistent 179 N W tool trolleys	**179 N W-012**	220182	
• **Door**, lockable, including hinges (2x), grip profile For HAZET Assistent 179 N W tool trolleys	**179 N W-21**	220168	

Spare parts Ⓔ	HAZET No.	EAN-No. 4000896+	
For work bench 179 N W			
• **Drawer** · high complete including telescopic rails (pair) · drawer grip profile · drawer locking hook For HAZET *Assistent* 179 N W tool trolley	**179 N W-051**	220144	
• **Edge protection · upper** with „HAZET“ logo for HAZET *Assistent* model year 1/5/2019 →: 179 N W tool trolleys	**179 N W-094**	220137	
• **Telescopic rails** · pair For HAZET *Assistent* 179 N W · 179 N XL · 179 N XXL tool trolleys	**179 N XL-07/2**	216789	
• **Cylinder lock set** For HAZET *Assistent* 179 N W · 179 T XXL tool trolleys	**179 T XXL-08/2**	181438	
• **Fixed castor** · black · ∅ 125 mm (model year → 31/12/2020) For HAZET *Assistent* 179 A XXL · 179 T XXL · 179 XL · 179 XXL · 179 N W · 179 N XL · 179 N XXL tool trolleys	**179 W-09**	146666	
• **Swivel castor with brake** · black · ∅ 125 mm (model year → 31/12/2020) For HAZET *Assistent* 179 A XXL · 179 XL · 179 XXL · 179 N XL · 179 N XXL · 179 T XXL · 179 N W tool trolleys	**179 W-011**	146659	
Various components in General Workshop Equipment			
• **Suction cup for 161-8** · complete with screws · washer and seal	**161-81**	004850	
For mechanic’s creeper 195-2			
• **Replacement swivel castors** · 2 pieces For mechanic’s creeper HAZET 195-2	**195-02/2**	162499	
For rubber mat 196 VDE			
Bag for HAZET rubber mat 196 VDE-8	**196-8 TL**	173921	
Various component parts			
Socket rail, empty for 450 N/8 RS and 610 N/8 RS	**450 N/8 RS L**	020294	
Socket rail, empty for 450 N/12 RS · 450 N/12 N RS · 610 N/12 RS	**450 N/12 RS L**	020270	
• **Plastic part** with screws for 650 K-20	**650 K-020/6**	028689	
• **Plastic hammer head** for 665-1 and 665-2	**665-01**	029211	
• **Hand guard** for HAZET flat chisel 730-6 · 7 · 8 • Made of impact-resistant plastic	**730 HS**	029631	
• **Punch tip** for 747-1	**747-02**	051380	
• **Tightening strap** For HAZET piston ring collet chuck 794 U-3	**794 U-301**	031689	
• **Segment with slip band** For HAZET piston ring collet chuck 794 U-3	**794 U-303**	031702	
• **Replacement set** consisting of: 2 retaining bolts · 2 lock washers for 798	**798-0/4**	031849	
798-1	**798-01/4**	031856	
798-3	**798-03/6**	107513	
798-5	**798-05/4**	031894	
798-10	**798-010/4**	031863	
798-6 · 798-8 · 798-12	**798-012/4**	031870	
• **Bowden cable · complete** with fixing kit 2 x nuts M4 **for 798-15**	**798-0151**	082254	
• **Bowden cable** for 798-15	**798-0152**	082247	
• **Bowden cable · complete** Bowden cable · coating · 2 headless screws · spring **for 798-15 A**	**798-0151 A**	097753	
• **Flexible hose** for 798-15 B	**798-0150 B**	142439	
• **Bowden cable** for 798-15 A and B	**798-0152 A**	097760	
• **Sliding guide device** for 798-15 A and B	**798-0153 A**	097784	
• **Spare blade set** for 822 5 pieces per set	**822-01/5**	033720	
• **Hard-metal tip** for 825-25	**825-025**	033928	
• **Spare chisel** for mechanical · HAZET nut splitters 847-0410 A and 1027 A	**847-10 A**	144150	
For reversible ratchet etc.			
• **Replacement set for shift lever** consisting of: shift lever · pawl · screws · ball · compression spring For HAZET reversible ratchet 863 K · 863 · 863 G · 863 P · 863 PC · 863 Q · 863 S · 863 ST · 863 BGL · 863 BKC · 863 BK · 863 MC · 863 Mbit · 2264	**863 P/6**	144600	

Spare parts Ⓔ	HAZET No.	EAN-No. 4000896+	
For reversible ratchet etc.			
• **Replacement set for ratchet wheel** 6.3 = ¼“ ■ consisting of: ratchet wheel · pawl · shift lever · screws · ball · compression spring For HAZET reversible ratchet 863 G · 863 P · 863 PC · 863 ST · 863 K · 863 MC	**863 P/7 N**	038596	
• **Replacement set for ratchet wheel with safety lock** 6.3 = ¼“ ■ consisting of: Ratchet wheel **with safety lock** · pawl · shift lever · screws · ball · compression spring For HAZET reversible ratchets 863 Q · 863 S as well as for retrofitting HAZET reversible ratchets 863 P · 863 PC · 863 G · 863 ST · 863 K · 863 MC	**863 S/7**	048472	
• **Fixing clamp** for HAZET spark plug wrench 880 KF · 900 KF · 4767 KF	**880 KF-01**	050123	
• **Fixing clamp** for HAZET spark plug wrench 880 A KF · 900 A KF · 4766 · 4766-1 · 4767 A KF	**880 A KF-01**	050130	
• **Replacement set for shift lever** consisting of: shift lever · screws · ball · compression spring · pawl For HAZET reversible ratchet 8816 G · 8816 GK · 8816 P · 8816 S · 8816 ST 916 K · 2264-1 For HAZET torque wrench 5110-2 CT · 5120-2 CT · 5110-3 CT · 5111-3 CT · 5120-3 CT 6110 CT · 6110-1 CT · 6111-1 CT 6114-1 CT · 6115-1 CT 6402-1 · 6402-1 S · 6408-1	**8816 P/6**	144617	
• **Replacement set for ratchet wheel** 10 = ⅜“ ■ consisting of: ratchet wheel · pawl · shift lever · screws · ball · compression spring For HAZET reversible ratchet 8816 G · 8816 GK · 8816 P · 8816 ST For HAZET torque wrench 5110-2 CT · 5110-3 CT · 5111-3 CT 6110 CT · 6110-1 CT · 6111-1 CT 6114-1 CT · 6115-1 CT · 6402-1	**8816 P/7 N**	042234	
• **Replacement set for ratchet wheel with safety lock** 10 = ⅜“ ■ consisting of: Ratchet wheel **with safety lock** · pawl · shift lever · screws · ball · compression spring For HAZET reversible ratchets 8816 S · 6402-1 S as well as for retrofitting HAZET reversible ratchets 8816 P · 8816 G · 8816 GK · 8816 ST · 6110 CT · 6110-1 CT · 6111-1 CT · 6114-1 CT · 6115-1 CT · 6402-1	**8816 S/7**	048465	
• **Plastic handle** For HAZET 8814 · 8816 P · 8816 F · 8816 G · 8816 GK · 2593 Lg-17	**8816 KG-02**	042166	
• **Replacement set for hinge connection** consisting of: screw and lock washer For HAZET flexible handle 8814 and HAZET reversible ratchet 8816 G · 8816 GK	**8816 G-013**	042111	
• **Replacement set** consisting of: hinged section · screw and lock washer For HAZET flexible handle 914-15 and 914-18	**914/3**	046065	
• **Replacement set for hinge connection** consisting of: screw and lock washer For HAZET flexible handle 914-15 · 914-18 and HAZET reversible ratchet 916 GK	**916 G-013**	046188	
• **Plastic handle** For HAZET 916 F · 916 SP · 2574 · 2574-1	**916 KG-02**	046225	
• **Plastic handle** For HAZET 771 A-13/16 · 771-17 · 771-19 · 771-21 · 772 914-15 · 914-18 · 916 GK	**916 KG-04**	046249	
• **Replacement set for ratchet wheel with safety lock**12.5 = ½“ ■ consisting of: Shift lever · 2 screws · ball · compression spring · ratchet wheel **with safety lock** · pawl For HAZET reversible ratchet 916 S as well as for retrofitting Hazet reversible ratchets 916 SP · 916 GK · 916 L · 916 ST	**916 S/7**	046300	
• **Replacement set for shift lever** 12.5 = ½“ ■ consisting of: shift lever · 2 screws · ball and compression spring and pawl For HAZET reversible ratchet 916 S · 916 SP · 916 GK · 916 Lg · 916 L · 916 GL · 916 ST	**916 SP/6**	144624	
• **Replacement set for ratchet wheel** 12.5 = ½“ ■ consisting of: shift lever · screws · ball · compression spring · ratchet wheel and pawl For HAZET reversible ratchet 916 SP · 916 GK · 916 Lg · 916 L · 916 GL · 916 ST	**916 SP/7-1**	046348	

Spare parts Ⓔ	HAZET No.	EAN-No. 4000896+	
For reversible ratchet etc.			
• **Replacement set for ratchet wheel** 12.5 = ½" ■ consisting of: shift lever · screws · ball · ratchet wheel and pawl For HAZET reversible ratchet 916 K	**916 K/7**	155743	
• **Replacement set for shift lever** consisting of: shift lever · screws · ball · compression spring For HAZET reversible ratchet 1016 · 1016/2 For HAZET torque wrench 5143-3 CT · 5145-3 CT · 6132-1 CT · 6143 CT · 6143-1 CT · 6144 CT · 6144-1 CT · 6145 CT · 6145-1 CT · 6146-1 CT	**1016/6**	001972	
• **Replacement set for ratchet wheel** 20 = ¾" ■ consisting of: ratchet wheel · pawl · shift lever · screws · ball · compression spring For HAZET reversible ratchet 1016 · 1016/2 For HAZET torque wrench 5145-3 CT · 6132-1 CT · 6143 CT · 6143-1 CT · 6144 CT · 6144-1 CT · 6145 CT · 6145-1 CT · 6146-1 CT	**1016/8 N**	001989	
• **Insert square** for HAZET adapter 1058-2	**1058-02 A**	233557	
• **Replacement set for shift lever** consisting of: shift lever · screws · ball · compression spring For HAZET reversible ratchet 1116 For HAZET torque wrench 6150-1 CT · 6160-1 CT · 6170-1 CT · 7250-2 sTAC · 7250-5 sTAC	**1116/6**	003228	
• **Replacement set for ratchet wheel** 25 = 1" ■ consisting of: shift lever · screws · ball · compression spring · pawl · ratchet wheel For HAZET reversible ratchet 1116 For HAZET torque wrench 6160-1 CT · 6170-1 CT	**1116/8 N**	003235	
For range of pullers/extractors			
Spindle M 14 x 1.5 x 140 For HAZET puller 1786 F-9 · 13 · 1786 S-1 · 1786 S/12 · 1786 FS/6 · 1787 F-9 · 13 · 1787 S-1	**1786-01**	134724	
Spindle G½ x 210 for 1786 F-16 · 20 · 1786 S-2 · 1787 F-16 · 20 · 1787 S-2	**1786 S-03**	134793	
Spindle G½ x 210 for 1786 F-16 · 20 · 1786 S-2 · 1787 F-16 · 20 · 1787 S-2	**1786 S-03**	134793	
Various component parts			
• **Telescopic spring** for 1805-3 · 1806-1 to -4	**1806-01**	006175	
• **Conversion tips** · bent at 90° To convert the pliers 1846 a-5	**1846 b-05/2**	081318	
• **Conversion tips** · bent at 90° To convert the pliers 1846 c-5	**1846 d-05/2**	081370	
• **Replacement set** consisting of: 1 pair of jaws · **15 mm wide** · 2 screws and 2 sleeves For 1932-1 · -2 · -5	**1932-1/6**	007820	
• **Replacement set** consisting of: 1 pair of jaws · **30 mm wide** · 2 screws and 2 sleeves For 1932-1 · -2 · -5	**1932-2/6**	007905	
• **Spare heads · pair** for HAZET plastic soft-faced hammer 1952-28	**1952-028**	008391	
1952-35	**1952-035**	008414	
1952-40	**1952-040**	008438	
1952-50	**1952-050**	008452	
• **Replacement set** consisting of: 1 handle and 2 cylinder screws For 1959-3 and -4	**1959-03/3**	008711	
• **Chuck jaws** · 2 pieces for 1963	**1963-05**	008957	
Spare cutting crowns, **set** of 5, for 1967	**1967-01/5**	211319	
• **Tip** for HAZET welding spot drill 1967	**1967-02**	009336	
• **Mirror and 2 spare bulbs** for HAZET inspection mirror 1977-1	**1977-01/3**	009794	
• **Spare bulb** for HAZET inspection mirror 1977-1	**1977-02**	070442	
• **Spare bulb** for HAZET flexible light 1977-1	**1978-01**	076154	
• **Saw blade** for 1981, made of chrome-alloyed tool steel • Number of teeth/inch: 32 (1 inch = 25.4 mm)	**1981-01**	009848	
Plastic clip, empty, for HAZET offset screwdriver set 2105 Lg/9 H	**2105 Lg/9 H L**	012022	
• **Diaphragm** for HAZET stethoscope 2151	**2151-01**	013050	
• **Ear tips** for HAZET stethoscope 2151	**2151-02/2**	062287	

Spare parts Ⓔ	HAZET No.	EAN-No. 4000896+	
Various component parts			
• **Tubular lamp** · Soffitte for 2153	**2153-00**	013128	
• **Snap-off blades,** e.g. for trimming knife 2157 · 7 break-away parts 100 x 18 mm set of 10 pieces	**2157-04**	013210	
• **Trapezoid blades with 2 holes** · e.g. for universal knife 2157 set with 10 pieces	**2157-05**	013227	
• **Hook blades** · e.g. for universal knife 2157 · set of 10	**2157-06**	013234	
• **Trapezoid blades with 3 holes** · e.g. for 2157-1 set with 10 pieces	**2157-07**	150977	
• **Replacement set** consisting of: belt and rivet for 2170 • Belt length: 600 mm • Cotton textile tape · rubber coated · belt height 19.6 mm • Non-skidding	**2170/2**	013388	
• **Tightening strap** · 396 mm long · for 2171-5	**2171-05**	013395	
• **Tightening strap** · 496 mm long · for 2171-6	**2171-06**	013401	
• **Replacement set for ratchet wheel** ⬡ 6.3 = ¼" consisting of: ratchet wheel · pawl · shift lever · screws · ball · compression spring For HAZET reversible ratchet 863 BGL · 863 BKC · 863 BK · 863 MBit · 2264	**2264/7**	015917	
• **Replacement set for ratchet wheel** 8 = ⬡5" 16 consisting of: ratchet wheel · pawl · shift lever · screws · ball · compression spring For HAZET reversible ratchet 2264-1 · 6408-1	**2264-1/7**	015900	
• **Spare chain** for 4682-1	**4682-03**	149421	
• **Spare chain** for 4682	**4682-01**	022175	
• **Replacement set** · 9 pieces for repairing the cutting chain 4682-01 For 4682	**4682-01/9**	057214	
• **Pipette** for 4810 A · 4810 B • Capacity: 3 ml	**4810 B-05**	082650	
• **Pull handle** for collecting the cutting wire	**4852-3**	129454	
• **Wire starter** for puncturing the glue bead	**4852-5**	129478	
• **Replacement set** for spring vice **4900-1 A and -2 A** consisting of 2 straight pins and 1 O-ring	**4900-02 A/3**	069415	
• **Replacement set** for spring vice **4900-1** and **4900-2** consisting of 5 straight pins and 2 O-rings	**4900-02/7**	063437	
• **Plastic insert** for protection of the lacquered spring surfaces preventing coil damage due to corrosion	**4900-100**	061136	
• **Plastic insert** for protection of the lacquered spring surfaces preventing coil damage due to corrosion	**4900-110**	061143	
• **Plastic insert** for protection of the lacquered spring surfaces preventing coil damage due to corrosion	**4900-120**	061150	
High-pressure manometer Suitable for use with HAZET hydraulic foot pump 4932-100 • 63 up to 1000 bar • Pressure control when using a spindle with limited capacity • Cu seal and cutting ring for accurate manometer adjustment	**4932-101**	168057	
For torque wrenches			
• **Sliding square** without knob **10 = ⅜"** ■ For 5110 CT · 5110 ST · 5110-1	**5110-02**	022373	
• **Replacement display window** For HAZET CLT torque wrench 5121-2 CLT · 5122-2 CLT · 5123-2 CLT	**5000 CLT-02**	117154	
• **Sliding square 12.5 = ½"** ■ For 5121 CT · 5121 ST · 5121-1 5122 CT · 5122 ST · 5122-1 5123 CT · 5123 ST · 5123-1	**6414-1**	027675	
• **Plastic handle** for HAZET torque wrench 6391-12 · V	**6391-06**	026999	
• **Plastic handle** for HAZET torque wrench 6391-25 · V · 35 · V · 50 · V · 85 · V	**6391-07**	027002	
• **Plastic handle** for HAZET torque wrench 6392-200 · V · 320 · V	**6392-04**	027095	
• **Replacement set for twist lock** consisting of: lock spring · twist lock with 2 headless screws For HAZET torque wrench 6010-1 CT · 6110-1 CT · 6114-1 CT · 6290-1 CT	**6110-27**	025053	

Spare parts Ⓔ	HAZET No.	EAN-No. 4000896+	
For torque wrenches			
• **Replacement set for twist lock** consisting of: lock spring · twist lock with 2 headless screws For HAZET torque wrench 5121-2 CLT · 5122-2 CLT · 5123-2 CLT · 5128-2 CLT 6021-1 CT · 6022-1 CT · 6023-1 CT 6111-1 CT · 6115-1 CT · 6121-1 CT · 6122-1 CT · 6123-1 CT · 6127-1 CT · 6128-1 CT 6291-1 CT · 6292-1 CT · 6293-1 CT · 6722 TAC · 6291-2 CT	**6122-27**	025299	
• **Replacement set for twist lock** consisting of: twist lock · lock spring and cylinder screw For HAZET torque wrench model year → 2013 6132-1 CT · 6143-1 CT · 6144-1 CT · 6145-1 CT · 6150-1 CT · 6160-1 CT · 6170-1 CT 6243-1 CT · 6244-1 CT · 6245-1 CT · 6146-1 CT · 6246-1 CT, 6294-1 CT · 6295-1 CT · 6296-1 CT	**6144-01/3**	025527	
• **Replacement set for twist lock** consisting of: twist lock · lock spring and threaded pin For HAZET torque wrenches model year 2014 → 6132-1 CT · 6143-1 CT · 6144-1 CT · 6145-1 CT · 6150-1 CT · 6160-1 CT · 6170-1 CT 6243-1 CT · 6244-1 CT · 6245-1 CT · 6146-1 CT · 6246-1 CT 6294-1 CT · 6295-1 CT · 6296-1 CT	**6144-02/3**	192557	
• **Replacement set for ratchet wheel** 20 = ¾″ ■ consisting of: ratchet wheel · pawl · shift lever · screws · ball · compression spring For HAZET reversible ratchet 1016 · 1016/2 For HAZET torque wrench 5145-3 CT · 6132-1 CT · 6143 CT · 6143-1 CT · 6144 CT · 6144-1 CT · 6145 CT · 6145-1 CT · 6146-1 CT	**1016/8 N**	001989	
• **Replacement set for ratchet wheel** 25 = 1″ ■ consisting of: shift lever · screws · ball · compression spring · pawl · ratchet wheel For HAZET reversible ratchet 1116 For HAZET torque wrench 6160-1 CT · 6170-1 CT	**1116/8 N**	003235	
• **Replacement set for ratchet wheel** 10 = ⅜″ ■ consisting of: ratchet wheel · pawl · shift lever · screws · ball · compression spring For HAZET reversible ratchet 8816 G · 8816 GK · 8816 P · 8816 ST For HAZET torque wrench 5110-2 CT · 5110-3 CT · 5111-3 CT 6110 CT · 6110-1 CT · 6111-1 CT 6114-1 CT · 6115-1 CT · 6402-1	**8816 P/7 N**	042234	
• **Replacement set for shift lever · complete** 12.5 = ½″ ■ consisting of: ratchet wheel · pawl · shift lever · screws · ball · compression spring · spring washer · circlip For HAZET torque wrench 5121-2 CT · 5122-2 CT · 5123-2 CT 5121-3 CT · 5122-3 CT · 5123-3 CT 5121-2 CLT · 5122-2 CLT · 5123-2 CLT · 5128-2 CLT 5122 ST-1 6121 CT · 6122 CT · 6123 CT 6121-1 CT · 6122-1 CT · 6123-1 CT · 6127-1 CT · 6128-1 CT 6722 TAC	**6122/9 N**	025343	
• **Replacement set for ratchet wheel** 12.5 = ½″ outside square consisting of: ratchet wheel · pawl · shift lever · screws · ball · compression spring For torque wrench HAZET 5120-2 CT · 5120-3 CT	**5120/7**	235490	
• **Replacement set for ratchet wheel** 12.5 = ½″ outside square consisting of: ratchet wheel · pawl · shift lever · screws · ball · compression spring For torque wrench HAZET 5143-3 CT	**5143/8**	237142	
• **Replacement set for ratchet wheel** 20 = ¾″ ■ consisting of: ratchet wheel · pawl · shift lever · screws · ball · compression spring For 6150-1 CT · 7250-2 sTAC · 7250-5 sTAC	**6150/8**	151431	

Spare parts Ⓔ	HAZET No.	EAN-No. 4000896+	
For torque wrenches			
• **Replacement set for ratchet wheel** 6.3 = ¼″ ■ consisting of: ratchet wheel · pawl · shift lever · screws · ball · compression spring For HAZET torque wrench 5107-2 CT · 5107-3 CT · 5108-2 CT · 5108-3 CT 6106-1 CT · 6108-1 CT · 6109-1 CT · 6109-2 CT · 6401-1	**6401/7**	111169	
• **Replacement set for ratchet wheel** 6.3 = ¼″ ■ consisting of: **ratchet wheel with safety lock** · pawl · shift lever · screws · ball · compression spring For 6401-1 S as well as for **retrofitting** insert reversible ratchets 5107-2 CT · 5107-3 CT · 5108-2 CT · 5108-3 CT 6106-1 CT · 6108-1 CT · 6109-2 CT	**6401-1 S/7**	111152	
• **Replacement set for ratchet wheel** 12.5 = ½″ ■ consisting of: ratchet wheel · pawl · shift lever · screws · ball · compression spring · spring washer · circlip For 6403-1 · 6404-1	**6403-1/9**	070749	
• **Replacement set for ratchet wheel** 12.5 = ½″ ■ consisting of: **ratchet wheel with safety lock** · pawl · shift lever · screws · ball · compression spring · spring washer · circlip For 6403-1 S · 6404-1 S	**6403-1 S/9**	070817	
• **Replacement set for shift lever** consisting of: shift lever · screws · ball · compression spring For HAZET reversible ratchet 1016 · 1016/2 For HAZET torque wrench 5143-3 CT · 5145-3 CT · 6132-1 CT · 6143 CT · 6143-1 CT · 6144 CT · 6144-1 CT · 6145 CT · 6145-1 CT · 6146-1 CT	**1016/6**	001972	
• **Replacement set for shift lever** consisting of: shift lever · screws · ball · compression spring For HAZET reversible ratchet 1116 For HAZET torque wrench 6150-1 CT · 6160-1 CT · 6170-1 CT · 7250-2 sTAC · 7250-5 sTAC	**1116/6**	003228	
• **Replacement set for shift lever** consisting of: shift lever · screws · ball · compression spring · pawl For HAZET reversible ratchet 8816 G · 8816 GK · 8816 P · 8816 S · 8816 ST 916 K · 2264-1 For HAZET torque wrench 5110-2 CT · 5120-2 CT · 5110-3 CT · 5111-3 CT · 5120-3 CT 6110 CT · 6110-1 CT · 6111-1 CT 6114-1 CT · 6115-1 CT 6402-1 · 6402-1 S · 6408-1	**8816 P/6**	144617	
• **Replacement set for shift lever** consisting of: shift lever · screws · ball · compression spring For HAZET torque wrench 5107-2 CT · 5107-3 CT · 5108-2 CT · 5108-3 CT 6106-1 CT · 6108-1 CT · 6109-1 CT · 6109-2 CT · 6401-1 · 6401-1 S · 6408	**6401-1/6**	146048	
• **Replacement set for shift lever** consisting of: shift lever · screws · ball · compression spring · spring washer and circlip For HAZET insert reversible ratchet 6403-1 · 6403-1 S · 6404-1 · 6404-1 S	**6403-1/7**	070756	
• **Replacement set for shift lever** consisting of: shift lever · screws · ball · compression spring · spring washer · circlip For HAZET torque wrench 5121-2 CLT · 5121-2 CT · 5121-3 CT 5122-2 CLT · 5122-2 CT · 5122-3 CT · 5122 ST-1 5123-2 CLT · 5123-2 CT · 5123-3 CT · 5128-2 CLT 6121-1 CT · 6121 CT · 6122-1 CT · 6122 CT · 6123-1 CT · 6123 CT · 6127-1 CT · 6128-1 CT · 6722 TAC	**6122/7**	025329	
• **Reversible ratchet with screw** complete replaceable: ■ 20 = ¾″ model year → End 2004 For HAZET torque wrench 6132-1 CT · 6143 CT · 6143-1 CT 6144 CT · 6144-1 CT 6145 CT · 6145-1 CT · 6146-1 CT	**6143-01**	111190	

Spare parts Ⓔ	HAZET No.	EAN-No. 4000896+	
For torque wrenches			
• **Reversible ratchet with screw** complete replaceable: ■ 20 = ¾″ model year 2005→ For HAZET torque wrench 5145-3 CT 6132-1 CT · 6144 CT · 6144-1 CT 6145 CT · 6145-1 CT · 6146-1 CT	**6145-01**	111206	
• **Replacement set for visual signal transmitter** consisting of: red button · compression spring · housing · black · pin · screw For HAZET torque wrench 6021-1 CT · 6022-1 CT · 6023-1 CT 6110 CT · 6110-1 CT · 6111-1 CT 6114-1 CT · 6115-1 CT · 6121 CT · 6121-1 CT · 6122 CT · 6122-1 CT · 6123 CT · 6123-1 CT · 6127-1 CT · 6128-1 CT · 6291-1 CT · 6291-2 CT · 6290-1 CT · 6291 CT · 6292-1 CT · 6293-1 CT	**6122-29**	025305	
Safe box for safe storage of torque wrenches Up to size BX 8 with display window For HAZET torque wrench 5107-2 CT · 5107-3 CT · 5108-2CT·5108-3CT·5110-1CT·5110-2CT· 5110-3CT·5120-2CT·5120-3CT·6110-1CT· 6110-1 CT (CAL) · 6114-1 CT · 6290-1 CT · 6290-1 CT (CAL)	**6060 BX-2**	024629	
Safe box for HAZET torque wrench 5121-1 CT · 5121-2 CLT · 5121-3 CT · 6111-1 CT · 6111-1 CT (CAL) · 6115-1 CT · 6121-1 CT · 6121-1 CT (CAL) · 6291-1 CT · 6291-1 CT (CAL) · 6291-2 CT · 6291-2 CT (CAL)	**6060 BX-4**	024636	
Safe Box for HAZET torque wrench 5122-1 CT · 5122-2 CLT · 5122-2 CLT-PD · 5122-2 CT/5 · 5122-3 CT · 6122-1 CT · 6122-1 CT (CAL) · 6127-1 CT · 6292-1 CT · 6292-1 CT (CAL)	**6060 BX-6**	024643	

Spare parts Ⓔ	HAZET No.	EAN-No. 4000896+	
For torque wrenches			
Safe box for HAZET torque wrench 5123-1 CT · 5123-2 CLT · 5123-3 CT · 5128-2 CLT · 6123-1 CT · 6123-1 CT (CAL) · 6128-1 CT · 6293-1 CT · 6293-1 CT (CAL)	**6060 BX-8**	102907	
For pneumatic tools			
Replacement grinding disc (6 holes) For Orbital Sander 9033-1 • Medium hard • With hook and loop fastener • ∅ 150 mm with 5/16″ threaded mount	**9033-010**	139378	
Abrasive belts For belt sander 9033-4 330 x 10 mm. Pack contents 10 pieces.			
Grain size 80	**9033-480/10**	139101	
Grain size 100	**9033-4100/10**	139118	
Grain size 120	**9033-4120/10**	139125	
Grinding pads For orbital sander 9033-1 and -2 6 holes For metalworking. ∅ 150 mm. **Pack contents 10 pieces**			
Grain size 80	**9033-180/10**	139330	
Grain size 100	**9033-1100/10**	139347	
Grain size 120	**9033-1120/10**	139354	
Grain size 150	**9033-1150/10**	139361	
• **Spare needles** For needle scaler 9035-5 19 needles, ∅ 3 mm	**9035-050**	139385	
• **Replacement set** for 9036-5 upper and lower cutter including spacer plate and screw	**9036-05/9**	142569	

Boxes, empty

without plastic inserts, order separately

Suitable for assortment	Box size outside mm	HAZET No.	EAN-No. 4000896+	
Tool box, empty made of metal For HAZET socket set 888 AZN · 888 N · 888 ZN · 1000 · 1000 AZ · 1000 Z · 1002 · 1002 Z · 1530 A/38 · 1530 M/49 · 1900/6 · 5292-1 CT/20 · 6292-1CT/20·6292-1CT/28	578 x 235 x 88	**1000 KL**	001200	

Suitable for assortment	Box size outside mm	HAZET No.	EAN-No. 4000896+	
Box, empty made of metal For HAZET socket set 1100 Z	759 x 305 x 115	**1100 KL**	157419	
Box, empty made of metal For 986/9 · 990/9 · 992/9 · 1557/15 · 1557/20 · 1557 N/17 · 1557 N/9 · 2272/17 · 2351/15	225 x 123 x 46	**2272 KL**	015993	
Case · empty, with insert For 4800/9		**4800/9 KL**	049820	
Case · empty, For 4904/6		**4904 KL**	237128	

2-component soft foam inserts for boxes above

Suitable for assortment	HAZET No.	EAN-No. 4000896+	
163-30/25	**163-30 L**	118595	
163-31/27	**163-31 L**	118625	
163-53/75	**163-53 L**	122509	
163-55/15	**163-55 L**	122523	
163-57/56	**163-57 L**	122752	
163-58/27	**163-58 L**	122769	
163-60/22	**163-60 L**	122776	
163-95/8	**163-95 L**	145966	
163-96/3	**163-96 L**	145973	
163-97/6 · 606 N/6	**163-97 L**	145980	
163-98/17	**163-98 L**	145997	
163-99/18	**163-99 L**	146000	
163-100/13	**163-100 L**	146017	
163-101/9	**163-101 L**	146024	
163-102/27	**163-102 L**	146031	
163-118/57	**163-118 L**	153480	
163-119/23	**163-119 L**	153503	
163-120/24	**163-120 L**	153565	
163-121/4	**163-121 L**	153558	
163-122/3	**163-122 L**	153527	
163-124/4	**163-124 L**	153596	
163-131/8	**163-131 L**	153619	
163-138/77	**163-138 L**	151516	
163-139/90	**163-139 L**	151523	
163-140/33	**163-140 L**	151837	
163-141/31	**163-141 L**	151844	
163-143/18	**163-143 L**	151868	
163-181/17 · 880/17	**163-181 L**	161492	
163-182/9	**163-182 L**	161508	
163-184/6	**163-184 L**	161515	
163-185/5	**163-185 L**	161522	
163-186/16	**163-186 L**	162338	
163-191/18 · 932/18	**163-191 L**	162543	
163-192/24	**163-192 L**	162550	
163-211/20	**163-211 L**	164691	
163-215/5 · 986/5	**163-215 L**	168132	

Suitable for assortment	HAZET No.	EAN-No. 4000896+	
163-217/6 · 958 N/6	**163-217 L**	168156	
1557/10	**163-218 L**	168163	
163-220/13 · 986/13	**163-220 L**	168200	
163-224/57	**163-224 L**	176328	
163-226/4	**163-226 L**	178025	
163-227/3	**163-227 L**	178131	
163-229/7	**163-229 L**	178179	
163-243/7	**163-243 L**	178315	
163-245/12	**163-245 L**	178308	
163-251/14	**163-251 L**	178254	
163-252/9	**163-252 L**	178247	
163-257/4	**163-257 L**	179336	
163-259/14	**163-259 L**	179541	
163-264/5	**163-264 L**	180646	
163-265/6	**163-265 L**	180653	
163-269/3	**163-269 L**	180806	
163-270/9 · 986/9	**163-270 L**	181049	
163-271/9 · 992/9	**163-271 L**	181032	
163-292/8	**163-292 L**	186365	
163-296/7	**163-296 L**	186693	
163-297/26	**163-297 L**	186273	
163-299/8	**163-299 L**	186747	
163-302/6 · 8801/6	**163-302 L**	186594	
669/10	**163-306 L**	190997	
4760-M 8 x 1/9	**163-321 L**	191963	
4760-M 10 x 1/9	**163-323 L**	192076	
4760/6	**163-325 L**	192182	
4797/10	**163-326 L**	191741	
2272/23 N	**163-333 L**	192588	
880 N-1	**163-334 L**	193431	
880 ZN-1	**163-335 L**	193424	
849	**163-336 L**	195404	
854	**163-337 L**	194261	
854-1	**163-338 L**	194469	
854 T	**163-339 L**	194452	
4910/13	**163-340 L**	194445	

Suitable for assortment	HAZET No.	EAN-No. 4000896+	
2200/36	**163-341 L**	194339	
900 · 900 Z	**163-342 L**	194438	
1557/29	**163-345 L**	194407	
1557/32	**163-346 L**	194896	
844/5	**163-347 L**	194889	
1557/21	**163-348 L**	194391	
882-1	**163-349 L**	194384	
853-1	**163-350 L**	194872	
882	**163-351 L**	194377	
880-2	**163-353 L**	194360	
855-1	**163-354 L**	194353	
1557/58	**163-356 L**	194322	
900 AZ	**163-357 L**	194315	
906	**163-358 L**	194308	
954 N	**163-359 L**	194292	
1557/9	**163-360 L**	194285	
986/9 N	**163-361 L**	193844	
163-366/18	**163-366 L**	197071	
163-367/31	**163-367 L**	197293	
163-369/104	**163-369 L**	197309	
163-370/9	**163-370 L**	197286	
163-371/7	**163-371 L**	197279	
163-372/25	**163-372 L**	197262	
163-373/39	**163-373 L**	197248	
163-374/27	**163-374 L**	197231	
163-375/5	**163-375 L**	197347	
163-377/11	**163-377 L**	197361	
163-379/38	**163-379 L**	197354	
163-380/4	**163-380 L**	197255	
163-382/3	**163-382 L**	197125	
863 MBIT/33	**163-384 L**	197392	
163-385/12 · 606 N/12	**163-385 L**	197101	
163-406/20	**163-406 L**	200009	
163-407/35	**163-407 L**	200016	
163-587/35 · 1557/35	**163-587 L**	239870	
900 SZ 6/11	**163-588 L**	241781	



- Select the right tool
- Use the tool as indicated in the operating instructions
- Wear eye protection
- Keep tools clean
- Use tools with protective insulation when working on live components



Read operating instructions before use



Wear safety glasses



Use hearing protection



Only use suitable specialty tools to extend the lever arm



Do not hit hand tools with a hammer



Avoid splintering due to incorrect striking



Never use a screwdriver as a pry bar or chisel



Select screwdriver with an appropriate blade. Always be sure that the screwdriver blade is vertical to the screw



Measuring units serve to select the right-sized tools



An optimal frictional connection guarantees a long service life of tools and screws



Do not modify tools



Hand-operated tools are not suitable for use with impact wrenches



Never open more than one drawer at a time (danger of tipping over)



Never use drawers as a ladder



Never pull tool trolleys



Dispose of worn-out tools

Equivalent standard bolt diameters

German, American, British, Norwegian, French and Swedish dimensions for wrenches
(Only sizes printed in the dark column can be ordered)

Metric dimensions

Wrench size and nominal size mm	Thread diameter: DIN ISO 272 normal hexagon	DIN ISO 272 large hexagon	DIN ISO 272 with flange Bolt	DIN ISO 272 with flange Nut	Norwegian dimensions	French dimensions	Swedish dimensions SMS Metric sizes small 1414	Swedish dimensions SMS Metric sizes large 1412	Swedish dimensions SMS Whitworth small 1415	Swedish dimensions SMS Whitworth large 1413
3										
3,2	1,6									
3,5										
4	2				1,7	2,5	2,3			
4,5					2		2,6			
5	2,5				2,3	3	3			
5,5	3				2,6					
6					3	3,5	3,5	3		
7	4		5		3,5	4 4,5	4	3,5		
8	5		6	5	4	5	5	4		
9					5	5,5	5			
10	6		8	6		6	6			
11	7				6 7		7	6		
12						7	8			
13	8		10	8					5/16	1/4
14					8	8		8		
15			12	10			10		3/8	5/16
16	10					9				
17					9 10	10		10		
18	12		14	12			12		7/16	3/8
19					11	11				
20										
20,8	Spark Plugs M 14									
21	14	12	16	14		12	14		1/2	7/16
22					12 14			12 14		
23						14				1/2
24	16	14		16			16		5/8	
25										
26	Spark Plugs M 18					16				
27	18	16	20		16		18	16		
28									3/4	5/8
29						18				
30	20	18		20			20			
32					18 20	20	22	18 20		
33									7/8	3/4
34	22	20					24			

American dimensions

Wrench size and nominal size Inch	mm	Thread diameter: Bolts and nuts according to SAE	USS Screws & nuts	USS Head screws	Americ. Stand. Screws & nuts	Americ. Stand. Head screws
1/8	3,175					
5/32	3,97				0 1	
3/16	4,76				2 3	
13/64	5,16					
7/32	5,56					
15/64	5,95					
1/4	6,35				4	
17/64	6,75					
9/32	7,14					
19/64	7,54					
5/16	7,94		1/8	1/8	5 6	
11/32	8,73				8	
3/8	9,52			3/16	10	
13/32	10,32					
7/16	11,11	1/4		1/4	12 1/4	1/4
15/32	11,90					
1/2	12,70	5/16	1/4	5/16		5/16
9/16	14,29	3/8		3/8	5/16	3/8
19/32	15,08		5/16			
5/8	15,88	7/16		7/16	3/8	7/16
11/16	17,46		3/8			
3/4	19,05	1/2		1/2	7/16	1/2
25/32	19,84		7/16			
13/16	20,64			9/16	1/2	9/16
7/8	22,22	9/16	1/2	5/8	9/16	5/8
15/16	23,81	5/8				
31/32	24,61		9/16			
1	25,40	11/16		3/4	5/8	3/4
1.1/16	26,99	3/4	5/8			
1.1/8	28,57			7/8	3/4	7/8
1.3/16	30,16					
1.1/4	31,75	7/8	3/4	1		
1.5/16	33,34				7/8	1

British dimensions

nominal size Thread ∅ inches BSW Large Hex BS 192 W	BSF and BSW small 6-point BS 1083 BS	BA	Wrench size Inch	Wrench size mm
		10	.117	2,97
		9	.131	3,33
		8	.152	3,86
		7	.172	4,37
		6	.193	4,90
		5	.220	5,59
		4	.248	6,30
1/16	=3/32		.256	6,50
		3	.282	7,16
3/32	= 1/8		.297	7,54
		2	.324	8,23
1/8	=3/16		.340	8,64
		1	.365	9,27
		0	.412	10,49
3/16	= 1/4		.445	11,30
1/4	=5/16		.525	13,33
5/16	= 3/8		.600	15,24
3/8	=7/16		.710	18,03
7/16	= 1/2		.820	20,83
1/2	= 9/16		.920	23,34
9/16	= 5/8		1.010	25,65
5/8	=11/16		1.100	27,94
11/16	= 3/4		1.200	30,48
3/4	= 7/8		1.300	33,02

Equivalent standard bolt diameters

German, American, British, Norwegian, French and Swedish dimensions for wrenches
(Only sizes printed in the dark column can be ordered)

Metric dimensions										
Wrench size and nominal size	Thread diameter									
	DIN ISO 272						Swedish dimensions SMS			
			with flange				Metric sizes		Whitworth	
mm	normal hexagon	large hexagon	Bolt	Nut	Norwegian dimensions	French dimensions	small 1414	large 1412	small 1415	large 1413
35						22				
36	24	22			22 24			22 24		
37									1	7/8
38						24				
41	27	24			27			27		
42						27			1.1/8	1
46	30	27			30	30		30		
47									1.1/4	1.1/8
50	33	30			33	33		33		
52									1.3/8	1.1/4
54						36				
55	36	33			36			36		
56									1.1/2	1.3/8
58						39				
60	39	36			39			39	1.5/8	1.1/2
63						42				
65	42	39			42			42	1.3/4	1.5/8
67						45				
70	45				45			45	1.7/8	1.3/4
71						48				
75	48				48			48	2	1.7/8
77						52				
80	52				52			52		2
82						56				
85	56				56			56		2.1/4
88						60				
90	60				60			60		
94						64				
95	64				64			64		2.1/2
100	68				68	68		68		
105	72				72	72		72		2.3/4
110	76				76	76		76		3
115	80				80			80		
116						80				
120	85				84			85		3.1/4
130	90				89			90		3.1/2
135	95				94			95		3.3/4
145	100				99			100		4
150	105				104			105		
155	110				109			110		4.1/4

American dimensions						
Wrench size and nominal size		Thread diameter				
			USS		Americ. Stand.	
Inch	mm	Bolts and nuts according to SAE	Screws & nuts	Head screws	Screws & nuts	Head screws
1.3/8	34,92			1.1/8		
1.7/16	36,51	1	7/8			
1.1/2	38,10			1.1/4	1	1.1/8
1.9/16	39,69					
1.5/8	41,28	1.1/8	1	1.3/8		
1.11/16	42,86				1.1/8	1.1/4
1.3/4	44,45					
1.13/16	46,04	1.1/4	1.1/8			
1.7/8	47,63		1.1/4			
2	50,80	1.3/8	1.1/4			
2.1/16	52,39				1.3/8	1.1/4
2.3/16	55,56	1.1/2	1.3/8			
2.1/4	57,15				1.1/2	
2.3/8	60,32		1.1/2			
2.7/16	61,91				1.5/8	
2.9/16	65,09		1.5/8			
2.5/8	66,68				1.3/4	
2.3/4	69,85		1.3/4			
2.13/16	71,44				1.7/8	
2.15/16	74,61		1.7/8			
3	76,20				2	
3.1/8	79,38		2			
3.3/8	85,72				2.1/4	
3.1/2	88,90		2.1/4			
3.3/4	95,25				2.1/2	
3.7/8	98,42		2.1/2			
4.1/8	104,78				2.3/4	
4.1/4	107,95		2.3/4			
4.1/2	114,30				3	
4.5/8	117,48		3			
5	127,00		3.1/4			
5.3/8	136,52		3.1/2			
5.3/4	146,05		3.3/4			
6.1/8	155,57		4			

British dimensions				
nominal size Thread ∅ inches			Wrench size	
BSW Large Hex BS 192	BSF and BSW small 6-point BS 1083	BA		
W	BS		Inch	mm
13/16	=15/16		1.390	35,31
7/8	= 1		1.480	37,59
15/16	=1.1/16		1.580	40,13
1	= 1.1/8		1.670	42,42
1.1/8	=1.1/4		1.860	47,24
1.1/4	=1.3/8		2.050	52,07
1.3/8	=1.1/2		2.220	56,39
1.1/2	=1.5/8		2.410	61,21
1.5/8	=1.3/4		2.580	65,53
1.3/4	= 2		2.760	70,10
2	=2.1/4		3.150	80,01
2.1/4	=2.1/2		3.550	90,17
2.1/2	=2.3/4		3.890	98,81
2.3/4	= 3		4.180	106,17
3	=3.1/4		4.530	115,06
3.1/4	=3.1/2		4.850	123,19
3.1/2	=3.3/4		5.180	131,57
3.3/4	= 4		5.550	140,92

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Information

General Terms and Conditions of Sale, Delivery and Payment

A. General Provisions

I. Validity

1. All offers, sales, deliveries and services of HAZET-WERK Hermann Zerver GmbH & Co. KG (hereinafter referred to as “HAZET”) are based exclusively on the following general terms and conditions (hereinafter referred to as “Terms and Conditions”). Conflicting terms and conditions of the Purchaser pursuant to §§ 305 ff. of the German Civil Code („BGB“), in particular purchasing conditions of the Purchaser do not apply on any account, nor also if HAZET does not contradict them after receipt.
2. The following Terms and Conditions are an integral part of all contracts concluded with HAZET’s contractual partners for its deliveries and services. Agreement is given to the Terms and Conditions when the order is placed or the delivery accepted. The Terms and Conditions do not apply to relations with consumers in the sense of Section 13, BGB.
3. Modifications and/or supplements to these Terms and Conditions are only valid if written agreement thereto has been given. The written form pursuant to these Terms and Conditions also comprises the text form
4. “Purchaser” refers to the contractual partner irrespective of the nature of the contract.
5. To the extent that nothing else is agreed in these Terms and Conditions, the determining factor for the interpretation of the various terms of delivery is the INCOTERMS® 2020.

II. Offers and Conclusion of Contracts

1. HAZET offers are subject to confirmation and without obligation. Requests can be accepted by HAZET within thirty (30) days. The Purchaser is thus bound to its request for at least this period. A request is deemed as accepted when HAZET has confirmed it in writing to the Purchaser. The delivery and invoice are both deemed as confirmation of an order.
2. HAZET reserves the right to ownership and the copyright to the documentation pertaining to the offer (illustrations, drawings, descriptions and the like); third parties may only obtain access to the documentation if it is intended to be circulated. Otherwise it should be returned to HAZET upon request.
3. The information, drawings, illustrations, technical data, weights, measurements and descriptions of services included in brochures, catalogues, circulars, advertisements, price lists or in the documentation pertaining to the offer are only intended to convey a general idea of the products described. They do not include any explanations, other assurances or guarantees and shall not become an integral part of the contract. Common practice deviations, or modifications which are made due to legal regulations or as technical improvements, are permitted insofar as they do not adversely affect the contractually intended use.

III. Prices

1. Prices are net cash plus VAT of the respective statutory amount as well as freight ex works or warehouse and do not include outer packaging, postage and insurance.
2. If the Purchaser’s value of consignment exceeds a value of 750 euros net, i.e. excluding VAT, the delivery shall be made with carriage paid to the Purchaser’s address within Germany and without charging for the standard trade packaging. This applies exclusively to deliveries to the Purchaser’s address. For different delivery addresses, the prices listed under Point III shall apply. 1.

IV. Payment Conditions

1. Unless otherwise agreed in writing or indicated on the invoice, the invoices are due for full payment in euros immediately, irrespective of any delays in delivery for which HAZET is responsible. An agreed discount always refers only to the invoice value excluding freight. Unless otherwise agreed, discount periods begin from the invoice date.
2. The receipt by HAZET shall determine the timeliness of payment.
3. As long as purchase price receivables based on older invoices which are due for payment are still unsettled, it is not permitted to make a cash discount deduction in any case.
4. If special agreements are the basis, HAZET shall only accept fulfillment cheques and bills of exchange which are re-discountable with the Bundesbank (German Central Bank).
5. Bills of exchange or cheques shall be credited subject to receipt with the value of the date – and only apply as payment on the day – when HAZET can ultimately dispose over the proceeds. The Purchaser shall bear all costs and disbursements which result from this.
6. If the Purchaser falls into payment arrears, the Purchaser shall pay interest on the respective claim at a rate of 9 percentage points above the basic interest rate pursuant to Section 247 of the BGB (Bürgerliches Gesetzbuch; German Civil Code). The right to assert further claims due to the delay remains unaffected.
7. If it becomes discernible after conclusion of the contract that the payment claim by HAZET is jeopardised by inadequate performance on the part of the Purchaser or if other circumstances occur, which are indicative of a significant deterioration in his performance, HAZET can refuse agreed advance performances as well as exercise the rights from § 321 BGB. This also applies insofar as HAZET’s duty of performance is not yet due. In such cases, HAZET can furthermore call in claims from the current business relationship with the Purchaser. Inadequate performance on the part of the Purchaser is also deemed to be case if the Purchaser is at least three weeks in payment arrears with a considerable amount, furthermore a considerable downgrading of the limit available to him for HAZET’s goods credit insurance.
8. The retention of payments or offsetting with the Purchaser’s counterclaims is only permitted if the counterclaims are undisputed or have become legally binding, or they would entitle the Purchaser to refuse his performance pursuant to § 320 BGB.
9. Claims against HAZET are only assignable with HAZET’s written consent.

V. Securities / Retention of title

1. The ownership of the delivered goods („reserved property“ in this section A. V.) is transferred under the condition precedent of full payment of the purchase price. Furthermore, HAZET shall retain ownership of all delivered goods until the fulfillment of all claims by HAZET, in particular also the respective outstanding balance claims, which are due to HAZET as part of the business relationship (balance reservation). This also applies if the payments are made for specifically designated receivables. The balance reservation shall expire finally with the settlement of all claims still outstanding and covered by this balance reservation at the time of payment. In case of prepayment transactions or cash transactions pursuant to § 142 Insolvency Ordinance, only the simple retention of title according to A. V. 1. clause 1 shall apply, the extension and prolongation forms of the retention of title shall not then apply.
2. The Purchaser may only sell reserved property during the course of normal business and as long as it is not behind with the payment of outstanding receivables towards HAZET. The Purchaser herewith assigns in advance to HAZET all receivables against third parties arising from such sales in the amount of the respective invoice value for the resold reserved property, including the statutory VAT. HAZET shall accept this assignment. The same applies for other claims, which occur at the point of the reserved property or otherwise result in respect to the reserved property, for instance insurance claims or claims from illicit action upon loss or destruction.
3. If the Purchaser sells the reserved property together with other objects not delivered by HAZET, the assignment of the receivables from the sale shall apply only in the amount of the invoiced value of the reserved property, the value of which is stated in the HAZET invoices. In case of processing, combination and mixing the reserved property with other goods by the Purchaser, HAZET is entitled to co-ownership of this in the proportion of the invoice value of the reserved property to the invoice value of the other goods used. If HAZET’s ownership is terminated by combination or mixing, The Purchaser shall already assign to HAZET the ownership rights to which he is entitled to the new inventory or the item in the scope of the invoice value of the reserved property and store it free of charge for HAZET. The co-ownership rights apply as reserved property.
4. The Purchaser is entitled to collect the receivables from the sale to third parties.
5. HAZET is entitled to revoke the authorisation to collect receivables given in A. V. 4 if the Purchaser defaults on its payments, as well as in the event of a significant decline in the Purchaser’s financial situation pursuant to A. IV. 7. Without the need for such a revocation, the collection authority expires with the placement of a request for insolvency proceedings or with the assignment of security measures in an insolvency proceeding. Upon request the Purchaser must inform HAZET of the assigned receivables and their debtors, and provide the documentation necessary for the collection of the receivables. Upon special request by HAZET the Purchaser shall inform the affected third-party debtors of the assignments having taken place.
6. Insofar as the Purchaser becomes entitled to claims against insurance companies or other third parties due to the reserved property deteriorating or becoming damaged, lost or destroyed, or for other reasons, these claims shall also be assigned instead of the sales proceeds to HAZET, in advance and to the same extent, and with all ancillary rights.
7. Rights arising from the retention of title and from all the special forms stipulated in these conditions are also deemed as contingent liabilities, which HAZET has accepted in the Purchaser’s interest, until the title is transferred in full.
8. The Purchaser may not make or allow dispositions regarding the reserved property which do not correspond to the above conditions.
9. The Purchaser must inform HAZET in writing and without undue delay of seizures and other risks to HAZET’s rights, which risks arise from third parties, and give information necessary for legal action to be brought by a third party claiming title to the seized property in accordance with §771, Code of Civil Procedure (Zivilprozessordnung – ZPO). The Purchaser shall be liable if HAZET suffers a loss because a third party cannot pay the legal and out-of-court costs of legal action which it must reimburse to HAZET pursuant to § 771, ZPO.
10. HAZET is entitled, at the Purchaser’s expense, to insure the reserved property against fire, water and theft unless the Purchaser can demonstrate that it has taken out such insurance itself.
11. If the value of the securities, including offset possibilities, exceeds the secured receivables by more than 20% for an extended period of time, HAZET is obliged upon the Purchaser’s request to release securities of HAZET’s choice.

VI. Return of Goods

1. Insofar as HAZET is not obliged to take back goods, HAZET shall only take back goods insofar as the goods are current, in their original packaging and re-sellable and insofar as HAZET has consented to the take-back in writing beforehand. These must be returned free of charge.
2. A credit note for goods returned pursuant to A. VI. 1. is made with 80% of the calculated price. Costs for any reprocessing or new packaging shall be deducted additionally. The credit note can only be credited with new deliveries of goods. As a general principle, returns of insulated tools cannot be accepted for safety reasons.

B. Deliveries, Warranty, Liability

I. Delivery Periods, Delivery Dates

1. Periods and deadlines set by HAZET for deliveries and performances always apply only approximately, unless a fixed period or a fixed deadline is expressly assured or agreed.
2. The delivery periods commence with the receipt of the order confirmation but not before all the details of the order have been completely clarified and any necessary national and international official certificates have been obtained. The delivery periods and dates refer to the time of shipment, i.e. dispatch ex works or warehouse. These are also deemed to have been observed with the notification that the goods are ready to be dispatched, even if, through no fault of HAZET’s, they cannot be dispatched on time.
3. Without influencing HAZET’s rights arising from the Purchaser’s default, the agreed delivery period is extended by the time during which the Purchaser defaults on its obligations arising from this or other business plus an appropriate start-up period.
4. Partial deliveries are permitted as far as the Purchaser can be reasonably expected to accept them. Each partial delivery is considered an independent business transaction.
5. HAZET is entitled to withhold outstanding deliveries if the Purchaser does not fulfil its payment obligations or if there is reasonable concern that it cannot fulfil such an obligation (right of retention). HAZET reserves the right in any case to make deliveries in return for advance payment or cash on delivery.
6. HAZET’s delivery obligation is always subject to the reservation of correct, timely and contractual self-delivery, unless the incorrect or delayed self-delivery is the fault of HAZET.
7. If HAZET is in delay with a delivery or other service, the Purchaser can demand replacement of the delay damage as well as the performance; but in the case of minor negligence this is limited to maximum 10% of the agreed price for the delayed delivery or performance. The right of the Purchaser to damage compensation in lieu of performance pursuant to B. VII. 1. and B. VII. 2. remains unaffected.

II. Special Conditions for Goods on Recall

1. For business with continuous deliveries HAZET must receive release orders and type categories for roughly the same amount per month. If the release orders or type categories are not given on time, HAZET is entitled, after the deadline has expired without any result, to categorise and deliver the goods itself, or to rescind from the outstanding part of the transaction and demand compensation instead of payment.

III. Force Majeure and Other Delivery Conditions

1. Force majeure events, such as strike, lockout, mobilization, war, blockade, pandemic or epidemic, export and import bans, raw material and fuel shortages, fire and other circumstances which are not the fault of HAZET and which significantly impede the delivery or performance by HAZET, shall entitle HAZET to postpone the delivery for the duration of the obstacle and an appropriate start-up time. This applies irrespective of whether the above-mentioned circumstances occur at HAZET, the preliminary supplier or one of the subcontractors.
2. The Purchaser can demand an explanation from HAZET as to whether delivery will take place within an appropriate period or whether a rescission from the contract should be considered. If HAZET does not make a declaration within an appropriate deadline, the Purchaser can itself rescind from the as yet unfulfilled part of the delivery.
3. The declaration made by the preliminary supplier or the sub-contractor to HAZET regarding circumstances which have occurred at their premises pursuant to B.III. 1. are deemed as sufficient proof that HAZET is not responsible for the hindrance of the delivery.

IV. Dispatch and Passing of Risk

1. The forwarding agent or freight carrier shall be determined by HAZET. In the absence of any special agreement, the choice of route and means of transport is entrusted to HAZET, excluding any liability.
2. Release orders must be given without undue delay for goods which have been notified as ready for dispatch on the agreed date. HAZET is otherwise entitled to store them as it sees fit at the Purchaser's expense and risk, and invoice them as delivered ex works or warehouse. The means of transport must be unloaded immediately if the delivery is made with carriage paid. The costs for any periods of delay shall always be borne by the Purchaser.
3. Unless otherwise agreed, the delivery shall be made „ex works". The risk shall in any case – including a confiscation – pass to the Purchaser when the goods are handed over to the forwarding agent or freight carrier or at the latest when the goods leave the works or warehouse – e.g. even if the delivery is made with carriage paid.
4. Premature deliveries which the Purchaser can be reasonably expected to accept and excess or short deliveries which are customary in the trade are permitted.
5. The requested amount does not have to be reached or may be exceeded by up to 10% for custom-made products. Also considered as custom-made products are mass-produced articles which the Purchaser explicitly wishes to have a special designation. The Purchaser is not entitled to a right of withdrawal. The goods cannot be returned to HAZET.

V. Defects and Warranty

1. If the delivered goods exhibit a material defect, HAZET is first entitled to reworking or replacement delivery with a reasonable period as chosen by HAZET.
2. The buyer shall examine the received goods immediately after delivery. Claims for defects only arise if defects are complained about immediately, but no later than in 7 days in text form; concealed defects must be notified in text form immediately after their discovery. Furthermore, the Purchaser shall immediately notify the responsible shipping agent, transport/freight company or post office, as well as HAZET, of any transport damage and obvious defects.
3. If an acceptance of the goods or an initial sample inspection has been agreed, the buyer is obliged to immediate acceptance or initial sample inspection. An initial sample inspection does not exonerate the buyer from an incoming goods inspection of the series parts. Complaint about defects, which the Purchaser could have discerned upon immediate initial sample inspection, is excluded from the delivery of series parts.
4. HAZET shall be given the opportunity to determine the defects receiving complaint. Goods that have received complaint shall be sent back to HAZET immediately on demand; HAZET shall assume the transport costs if the defect complaint is justified. If the Purchaser does not fulfil these obligations or makes changes to goods that have already received complaint without the consent of HAZET, he shall lose any material defect claims.
5. HAZET has equally little responsibility for defects, which arise due to unsuitable or improper use, defective assembly or commissioning by the Purchaser or third parties, normal wear, erroneous or negligent handling, as for the consequences of improper changes or repair work performed by the Purchaser or third parties without HAZET's consent.
6. Statutory recourse claims by the Purchaser against HAZET only exist as far as the Purchaser has not come to any understanding with its customer which exceeds the statutory claims due to liability for defects.
7. The reimbursement pursuant to B.V.6. above is limited to the cost price (e.g. transport and material costs) incurred by the Purchaser but not its profit margin towards the customer.
8. Further claims by the Purchaser due to material defects, which are asserted against HAZET and its vicarious agents, are excluded subject to the regulation in B.VI. of these Terms and Conditions.
9. HAZET vouches that the goods supplied by HAZET are free of commercial property rights and/or copyrights of third parties. HAZET is obliged to exonerate the Purchaser from claims within the framework of the statutory regulations, which third parties assert on account of the violation of commercial property rights and/or copyrights to which they are entitled in the Federal Republic of Germany. A precondition for the exoneration is that the claims of third parties have either been recognised by HAZET or determined judicially with legal effect.
10. The Purchaser shall enable HAZET to participate at its own expense in the legal defence against such claims of third parties, in particular by what is referred to as a third-party intervention in the sense of civil procedure. The Purchaser shall support HAZET in the preparation and execution of the legal defence or settlement negotiation to a reasonable extent. HAZET shall reimburse the Purchaser all necessary expenses in conjunction with the legal defence against this utilisation, whereby legal fees are reimbursed on the basis of the Law on the Remuneration of Lawyers („RVG").
11. A precondition for the above claims of the Purchaser against HAZET is that
    a) the Purchaser shall inform HAZET immediately in writing if claims are asserted against the Purchaser in relation to the supplied goods on account of the violation of property rights of third parties,
    b) the Purchaser grants HAZET control of the legal defence and acts in the context of the legal defence and/or in settlement negotiations only and always in agreement with HAZET and
    c) the alleged infringement is exclusively attributable to the goods supplied by HAZET without connection or use with other products.

VI. Guarantee

1. Irrespective of the material defect claims to which the Purchaser might be entitled according to B. V., HAZET grants a full guarantee on all tools in case of material and production faults. All adapters are excluded from the full guarantee. The full guarantee on nut-drivers for machine operation is limited to material defects and/or faulty workmanship. The guarantee does not cover the tools or consumables for normal wear and/or tear damage. The full guarantee will not be valid for tools which cannot be used any more due to their old age or due to abuse or improper use. The relevant operating instructions and safety instructions for the HAZET tools shall be considered in this context. The general safety instructions as well as the data in the HAZET tool catalogue shall also be considered. An improper use of tools occurs especially in case:
   - an exceeding of the normal or specified loading capacity of the tool (for instance when using a diagonal cutter on a wire that is too hard or in case of chisels, centre punches or drift punches that are used on steel that is too hard or for work that is too heavy).
   - the further use of a tool that already shows damage or defects.
   - the operation of screws and nuts with a wrong-sized nut-driver.
   - tools that have been modified.
   - the use of nut-drivers designated for manual operation on impact wrenches.
   - the improper use of tools (e.g. use of screwdrivers as chisels or pry bars etc.).
2. In order to make use of the guarantee right, the Purchaser shall send the tool carriage free domicile via specialist trade to HAZET in the event of a material or manufacturing defect. HAZET shall check the tool. If a material or manufacturing defect is present, HAZET shall replace the goods or repair the goods free of charge.

VII. Liability

1. On account of violation of contractual and non-contractual obligations, in particular on account of impossibility, delay, fault upon contract initiation and unauthorised handling, HAZET shall only be liable on cases of wilful intent and gross negligence. In case of gross negligence, HAZET's liability is limited to the contract-typical damage foreseeable upon conclusion of contract.
2. The limitations of liability from B. VII. 1. do not apply in case of culpable violation of essential contractual obligations, insofar as the attainment of the contractual purpose is jeopardised, in case of culpably caused damage to life, body and health and also then if and to the extent that HAZET has assumed the guarantee for the nature of the sold item, as well as in cases of mandatory liability according to the Product Liability Act. Essential contractual obligations are those, which actually enable the proper execution of the contract and upon whose compliance the Purchaser may regularly rely. A reversal of the burden of proof to the Purchaser's disadvantage is not associated with the above regulations.
3. Insofar as the liability of HAZET is excluded or limited, this also applies for the personal liability of the employees, workers, personnel, legal representatives and vicarious agents of HAZET.
4. Insofar as the Purchaser is legally obliged, on account of an error caused by HAZET in the goods produced and supplied by HAZET, to implement a recall action and insofar as HAZET itself would therefore be liable in the external relationship, HAZET shall bear the costs associated with the recall action only to the extent that the measures and costs are reasonable and necessary, no milder equally effective means of risk aversion are available and insofar as these were coordinated with HAZET before any costs are incurred. HAZET's objection to the contributory negligence remains unaffected.
5. Unless otherwise agreed, contractual claims, which arise for the Purchaser against HAZET on the occasion of and in conjunction with the delivery of the goods, shall come under the statute of limitations one year after delivery of the goods. This does not apply, insofar as §§ 438 Para. 1 No. 2, 478, 479 or § 634 a Para. 1 No. 2 of the BGB stipulates longer periods as well as in cases of injury to life, body or health, in case of a deliberate or grossly negligent breach of duty by us or in case of fraudulent concealment of a defect. The limitation period shall not recommence in cases of defective supplementary performance. The statutory regulations concerning the burden of proof remain unaffected.

C. Final Provisions

1. The place of fulfillment and exclusive court of venue for all disputes directly or indirectly resulting from this contractual relationship is Remscheid.
2. The legal relationship between HAZET and the Purchaser is exclusively subject to the law of the Federal Republic of Germany excluding the United Nations Convention on Contracts for the International Sale of Goods (CISG) dated April 11, 1980.
3. Should any one of the clauses in these Terms and Conditions be or become invalid either in part or in full, the validity of the rest and/or the other provisions shall not be affected.

Remscheid, September 2020



Environmental management

We wish to avoid substances hazardous to water (e.g. acids, lyes, oils, coolants etc.) or store and use them in such a way that no damage is done to the environment. Wastewater must only be discharged in clean condition. Emissions that come from our company must not cause any damage to the environment or people. Carefully handling the resources and actively protecting the environment are part of our corporate responsibility.

Consumption of resources

Corporate environmental protection to us means looking at, analysing and improving company processes in their entirety. Negative impacts on the environment can only be reduced by taking appropriate care during production and provision of services.

Compliance with legal regulations, continuous improvement

We are obligated to comply with the official requirements, laws and provisions and constantly improve the corporate environmental protection. For all measures for protecting the environment, we orientate ourselves by the best available and economically viable technology.

Employee development

Successful environmental protection can only be achieved through the active cooperation of all employees. We therefore wish to inform and educate all employees to the extent that they can actively take joint responsibility.

Active public relations

We wish to engage in an open and objective dialogue with the business partners, neighbours, authorities and the interested public regarding negative environmental impacts of our company and are receptive to suggestions for improvement.

Procurement

When procuring our raw and auxiliary materials, we consider ecological criteria and we prefer suppliers who place a similarly high amount of importance on environmental protection as we do.

Monitoring

We regularly monitor and assess the environmental impacts of our company as well as the attainment of our set targets, which are adapted when new knowledge is acquired.

ÖKOPROFIT® Bergisches Städtedreieck

Suggestions for Improvement

HAZET is continuously working on further improvements of its tools.

Help us to improve our service!

Did you miss any tool?
Let us know which tools you need (application, dimensions, vehicle type and draft).

Tell us your ideas. Attractive prizes from the HAZET range of products will be awarded for the best suggestions.

e-mail anwendungstechnik@hazet.de

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FAX +49 (0) 21 91 / 792-373 • HAZET-WERK • Application technology

Your fast link to HAZET



Sender:

Company: _____

Name: _____

Address: _____

_____

Phone: _____

Fax: _____

E-Mail: _____ @ _____

Please describe your suggestion for improvement in as much detail as possible:

HAZET representatives and sales offices in Germany

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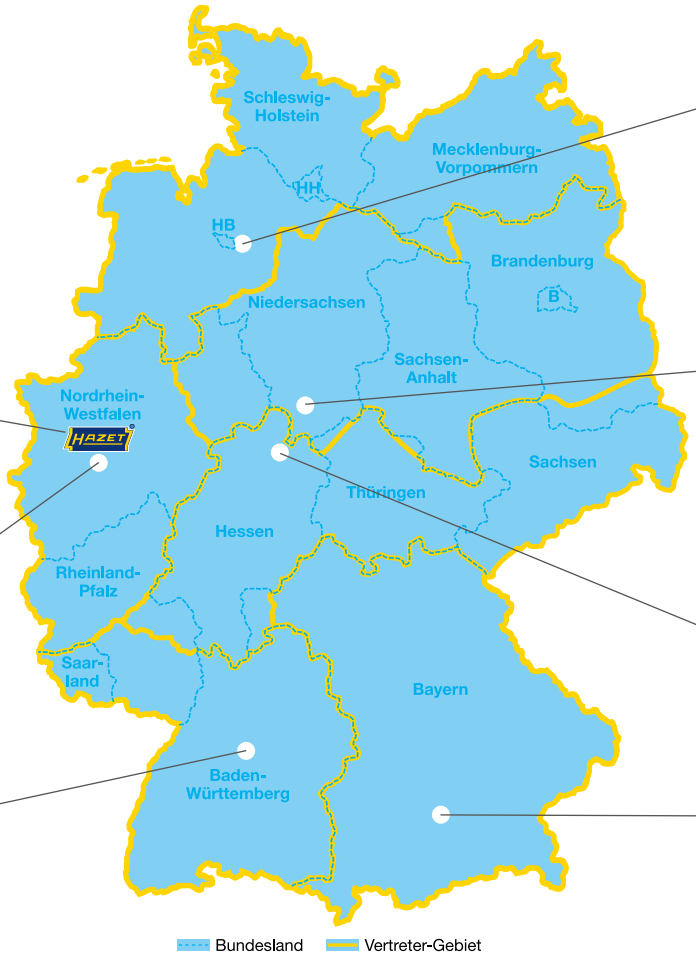

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e-mail kevin.scharwaechter@hazet.de

Delivery only via HAZET specialist dealers. The named representatives are available to provide information and advice.

HAZET-Guarantee


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ZERTIFIKAT
für das Managementsystem nach
DIN EN ISO 9001 : 2008
DIN EN ISO 14001 : 2009
HAZET-WERK
Hermann Zerver GmbH & Co. KG
Entwicklung, Herstellung und Vertrieb von Handwerks- und Montagewerkzeugen sowie Werkstatteinrichtungen für Industrie, Handwerk und Kraftfahrzeugreparaturbetriebe

During the whole production process, all HAZET tools are subject to stringent quality controls and before delivery ex works they are meticulously checked for material defects and faulty workmanship.

HAZET offers a total quality guarantee on all tools showing material defects or faulty workmanship.

If you detect material defects or faulty workmanship, please send us the tool in question free domicile through your distributor.

After inspection by us, we will replace your tool or repair it free of charge, provided that the tool shows a material defect or faulty workmanship.

All adapters are excluded from the guarantee.

The guarantee on sockets for impact operation is limited to material defects and faulty workmanship.

The guarantee does not cover the sockets' normal wear and tear damage.

The guarantee will not be valid for tools which cannot be used any more due to their old age or due to abuse or improper use.

In this context, we emphasise that the operating instructions and safety recommendations of each tool must be strictly observed. For more details, also see the General Safety Recommendations on this page as well as the indications given in the HAZET tool catalogue.

Below are some examples which are considered as "improper use of tools" and are not covered by the guarantee:

- Exceeding the tool's normal or prescribed capacity, e.g.
  - The use of a diagonal cutter for a steel thread whose diameter is too large
  - Chisels, centre punches or drift punches that have been used too hard or on a too hard steel surface.

The further use of a tool that already shows damage or defects.

The operation of screws and nuts with a wrong-sized socket.

Tools that have been modified.

The use of sockets designated for manual operation on impact wrenches.

HAZET Qualitäts-Vollgarantie

We replace any tool showing material defects and/or faulty workmanship (see also our sales, delivery and payment conditions).

HAZET – environmental protection is of fundamental importance to us.

This price list has been printed using environmentally friendly chlorine-free paper.

HAZET is certified in accordance with
DIN EN ISO 14001
0410430403
DIN EN ISO 9001
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TÜV NORD

HAZET-WERK – With Tradition to the Future!



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Plant 2 · Heinsberg



Plant 3 · Remscheid-Vieringhausen



Plant 4 · Remscheid-Vieringhausen

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