

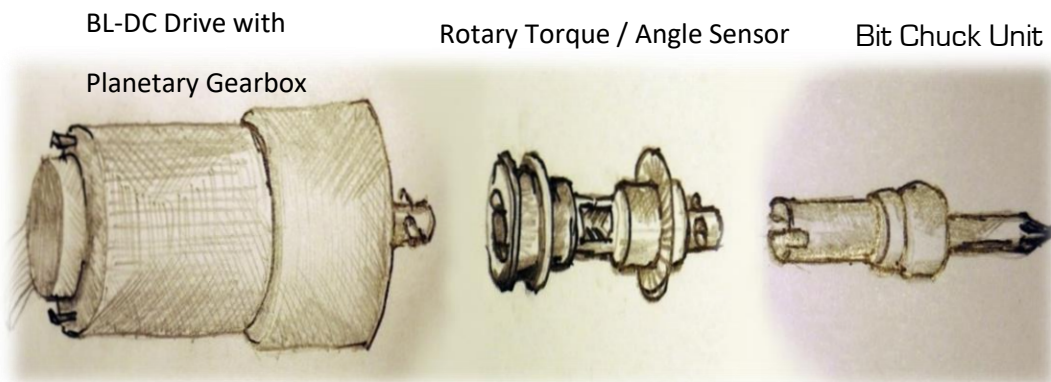
Handheld Micro Sensor Torque Drivers ng-eTDH



- Torque Ranges:
 - 0,10 – 1,0 Nm
 - 0,20 – 2,0 Nm
 - 0,40 – 4,0 Nm
 - 0,50 – 5,0 Nm
- Ultimate Torque/Angle Measurement Precision:
 - Strain Gage based Rotary Torque Sensor integrated at the Bit Chuck
 - 24 bits A/D Converter Resolution of the Torque Measurement at the Rotary Part
 - Contactless Digital Measurement Signal Transmission from the Rotary to the Stationary Part
 - 0.1 Degrees Resolution of the Angle Measurement directly at the Bit Chuck
- Massive Aluminum Housing
- Ergonomic handle shape
- Push-to-Start
- LED Front-Lights
- Brushless DC Motor Technology
- Adaptive Screw Tightening Strategies
- All Controls integrated
- Industry-4.0-compliant
- Precise in measurement and highly productive

The Adaptive Screw Tightening Strategy is used to compensate the variation of the thread-forming torque especially if self-tapping screws are used. The target is to achieve constant Clamping Force by adding a certain Torque Delta starting from the Snug Point.

Inner Structure:



Type Nomenclature:

ng-eTDH

- └─ u = USB direct
- └─ i = w/ ng-TDC Interface
- └─ x = Hexagon Bit Chuck
- └─ Torque Range in cNm
- └─ H = Handheld
- └─ eTD = Torque Driver (Screwdriver system, Economy-Version)
- └─ ng = n·gineric Produkt



ng-eTDH100-hu Micro Sensor Torque Driver System

Article Number	01-01-00558-01
Torque Range	10 to 100 cNm
Torque Measurement Accuracy	1 % of the F.S.R.
Angle Measurement Resolution	0.1 Degrees
RPM Range	100 to 1.300 min ⁻¹
Bit Drive	4 mm Halfmoon
Dimensions	42 x 279 mm
Weight	0.88 kg
Interface	USB

Scope of Supply

Type	Description	Article Number
ng-eTDH100-hu Spindle	Torque Driver Handpiece	01-01-00557-01
ng-TD-PS-36-600	Power Supply Unit	01-91-00004-01
ng-TD-Cable 3 m	Driver Cable 3 meters	01-90-00014-01
USB Cable	Cable USB-A /USB Mini 1.8m	01-90-00002-01
n-quirer TD	Torque Driver System Software	01-01-00215-01

ng-eTDH100-hi Micro Sensor Torque Driver System

Article Number	01-01-00560-01
Torque Range	10 to 100 cNm
Torque Measurement Accuracy	1 % of the F.S.R.
Angle Measurement Resolution	0.1 Degrees
RPM Range	100 to 1.300 min ⁻¹
Bit Drive	4 mm Halfmoon
Dimensions	Ø 42 x 279 mm
Weight	0.88 kg
Interface	Digital to ng-TDC

Scope of Supply

Type	Description	Article Number
ng-eTDH100-hi Spindle	Torque Driver Handpiece	01-01-00559-01
ng-TD-PS-36-600	Power Supply Unit	01-91-00004-01
ng-TD-Cable 3 m	Driver Cable 3 meters	01-90-00014-01
ng-TD-Cable 2 m	Driver Cable 2 meters	01-90-00011-01
ng-TDC	Torque Driver Controller Interface	01-01-00220-01
n-quirer TD	Torque Driver System Software	01-01-00215-01
USB Cable	Cable USB-A /USB Mini 1.8 m	01-90--00002-01

ng-eTDH200-xu Micro Sensor Torque Driver System

Article Number	01-01-00562-01
Torque Range	20 to 200 cNm
Torque Measurement Accuracy	1 % of the F.S.R.
Angle Measurement Resolution	0.1 Degrees
RPM Range	100 to 800 min ⁻¹
Bit Drive	¼" Hexagon
Dimensions	Ø 42 x 279 mm
Weight	0.88 kg
Interface	USB

Scope of Supply

Type	Description	Article Number
ng-eTDH200-xu Spindle	Torque Driver Handpiece	01-01-00561-01
ng-TD-PS-36-600	Power Supply Unit	01-91-00004-01
ng-TD-Cable 3 m	Driver Cable 3 meters	01-90-00014-01
USB Cable	Cable USB-A /USB Mini 1.8 m	01-90-00002-01
n-quirer TD	Torque Driver System Software	01-01-00215-01

ng-eTDH200-xi Micro Sensor Torque Driver System

Article Number	01-01-00564-01
Torque Range	20 to 200 cNm
Torque Measurement Accuracy	1 % of the F.S.R.
Angle Measurement Resolution	0.1 Degrees
RPM Range	100 to 800 min ⁻¹
Bit Drive	¼" Hexagon
Dimensions	Ø 42 x 279 mm
Weight	0.88 kg
Interface	Digital to ng-TDC

Scope of Supply

Type	Description	Article Number
ng-eTDH200-xi Spindle	Torque Driver Handpiece	01-01-00563-01
ng-TD-PS600	Power Supply Unit	01-91-00004-01
ng-TD-Cable 3 m	Driver Cable 3 meters	01-90-00014-01
ng-TD-Cable 2 m	Driver Cable 2 meters	01-90-00011-01
ng-TDC	Torque Driver Controller Interface	01-01-00220-01
n-quirer TD	Torque Driver System Software	01-01-00215-01
USB Cable	Cable USB-A /USB Mini 1.8 m	01-90--00002-01

ng-eTDH400-xu Micro Sensor Torque Driver System

Article Number	01-01-00566-01
Torque Range	40 to 400 cNm
Torque Measurement Accuracy	1 % of the F.S.R.
Angle Measurement Resolution	0.1 Degrees
RPM Range	100 to 800 min ⁻¹
Bit Drive	¼" Hexagon
Dimensions	Ø 42 x 279 mm
Weight	0.88 kg
Interface	USB

Scope of Supply

Type	Description	Article Number
ng-eTDH400-xu Spindle	Torque Driver Handpiece	01-01-00565-01
ng-TD-PS-36-600	Power Supply Unit	01-91-00004-01
ng-TD-Cable 3 m	Driver Cable 3 meters	01-90-00014-01
USB Cable	Cable USB-A /USB Mini 1.8 m	01-90-00002-01
n-quirer TD	Torque Driver System Software	01-01-00215-01

ng-eTDH400-xi Micro Sensor Torque Driver System

Article Number	01-01-00568-01
Torque Range	40 to 400 cNm
Torque Measurement Accuracy	1 % of the F.S.R.
Angle Measurement Resolution	0.1 Degrees
RPM Range	100 to 800 min ⁻¹
Bit Drive	¼" Hexagon
Dimensions	Ø 42 x 279 mm
Weight	0.88 kg
Interface	Digital to ng-TDC

Scope of Supply

Type	Description	Article Number
ng-eTDH400-xi Spindle	Torque Driver Handpiece	01-01-00567-01
ng-TD-PS600	Power Supply Unit	01-91-00004-01
ng-TD-Cable 3 m	Driver Cable 3 meters	01-90-00014-01
ng-TD-Cable 2 m	Driver Cable 2 meters	01-90-00011-01
ng-TDC	Torque Driver Controller Interface	01-01-00220-01
n-quirer TD	Torque Driver System Software	01-01-00215-01
USB Cable	Cable USB-A /USB Mini 1.8 m	01-90--00002-01

ng-eTDH500-xu Micro Sensor Torque Driver System

Article Number	01-01-00570-01
Torque Range	50 to 500 cNm
Torque Measurement Accuracy	1 % of the F.S.R.
Angle Measurement Resolution	0.1 Degrees
RPM Range	100 to 600 min ⁻¹
Bit Drive	¼" Hexagon
Dimensions	Ø 42 x 279 mm
Weight	0.88 kg
Interface	USB

Scope of Supply

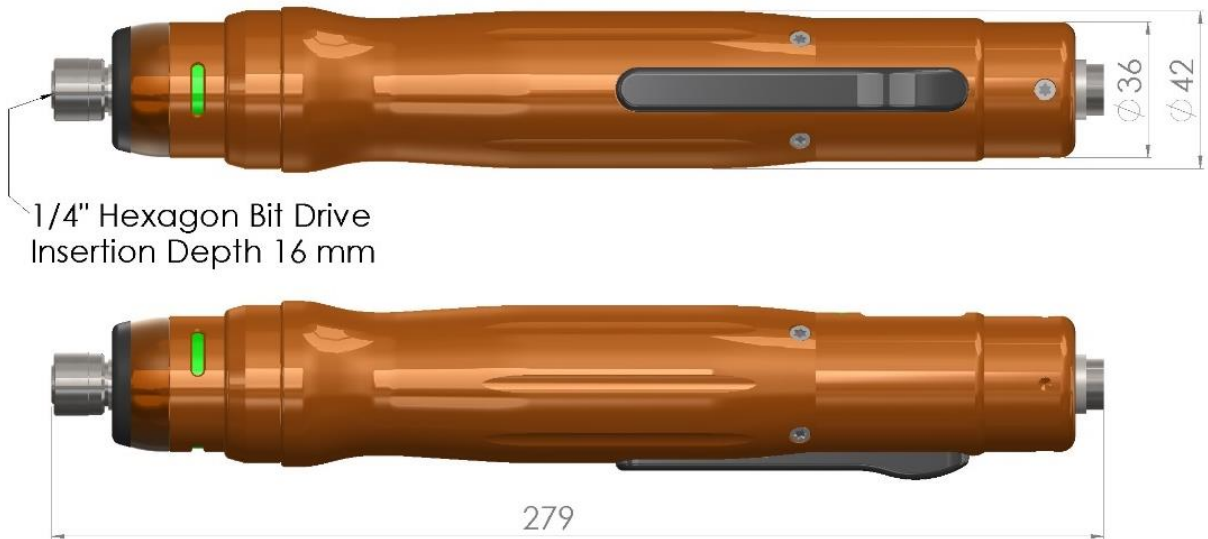
Type	Description	Article Number
ng-eTDH500-xu Spindle	Torque Driver Handpiece	01-01-00569-01
ng-TD-PS-36-600	Power Supply Unit	01-91-00004-01
ng-TD-Cable 3 m	Driver Cable 3 meters	01-90-00014-01
USB Cable	Cable USB-A /USB Mini 1.8 m	01-90-00002-01
n-quirer TD	Torque Driver System Software	01-01-00215-01

ng-eTDH500-xi Micro Sensor Torque Driver System

Article Number	01-01-00572-01
Torque Range	50 to 500 cNm
Torque Measurement Accuracy	1 % of the F.S.R.
Angle Measurement Resolution	0.1 Degrees
RPM Range	100 to 600 min ⁻¹
Bit Drive	¼" Hexagon
Dimensions	Ø 42 x 279 mm
Weight	0.88 kg
Interface	Digital to ng-TDC

Scope of Supply

Type	Description	Article Number
ng-eTDH500-xi Spindle	Torque Driver Handpiece	01-01-00571-01
ng-TD-PS-36-600	Power Supply Unit	01-91-00004-01
ng-TD-Cable 3 m	Driver Cable 3 meters	01-90-00014-01
ng-TD-Cable 2 m	Driver Cable 2 meters	01-90-00011-01
ng-TDC	Torque Driver Controller Interface	01-01-00220-01
n-quirer TD	Torque Driver System Software	01-01-00215-01
USB Cable	Cable USB-A /USB Mini 1.8 m	01-90--00002-01



Type	Torque Range	Interface	List Price
ng-eTDH100-xu	0.1 to 1 Nm	USB	4.990,00 €
ng-eTDH100-xi	0.1 to 1 Nm	ng-TDC	5.980,00 €
ng-eTDH200-xu	0.2 to 2 Nm	USB	4.990,00 €
ng-eTDH200-xi	0.2 to 2 Nm	ng-TDC	5.980,00 €
ng-eTDH400-xu	0.4 to 4 Nm	USB	4.990,00 €
ng-eTDH400-xi	0.4 to 4 Nm	ng-TDC	5.980,00 €
ng-eTDH500-xu	0.5 to 5 Nm	USB	4.990,00 €
ng-eTDH500-xi	0.5 to 5 Nm	ng-TDC	5.980,00 €

The tools are fully compatible to our accessories:

- n-quirer TD software
- n-quirer TD advanced software for operator guidance
- ng-BPC bit selector
- ng-LAP400 position control linear arm
- ng-LA200 linear arm



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