



# DTD500

Electric Torque Insert Driver

COMPLETE METALWORKING SOLUTIONS  
(800) 991-4225 [www.ahbinc.com](http://www.ahbinc.com)  
ISO Certified [customerservice@ahbinc.com](mailto:customerservice@ahbinc.com)



## Quick and Easy Insert Replacements with Precise Torque Control



### 2-in-1 Electric Driver and Torque Wrench

Quickly loosen and tighten insert screws with precise, adjustable torque settings. Clutch operates and idles when the set torque is reached, reducing operator over or under tightening.



### Rechargeable with USB Type-C



### Bright LED Light

Illuminate dark areas inside the machine



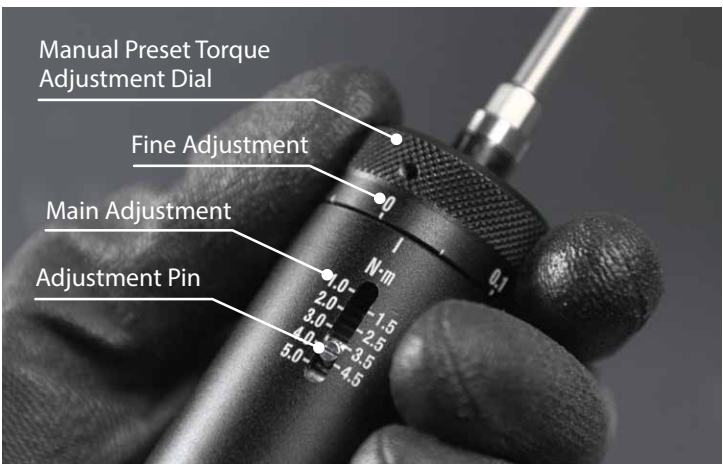
Li-ion  
**3.7v**

Max.  
Electric Torque  
**1 N·m**

Manual Preset Torque  
**1-5 N·m**  
(0.05 N·m Increments)



# 1 Quick and Easy Insert Replacements with Precise Torque Control



## Innovative 2-in-1 Functionality

### Fast and Consistent Tightening

Quickly loosen and tighten screws with electric setting, then manually finish to the set torque, reducing tightening force variations with the clutch's free spin action and ergonomic design.

Max. Electric Torque  
**1 N·m**  


---

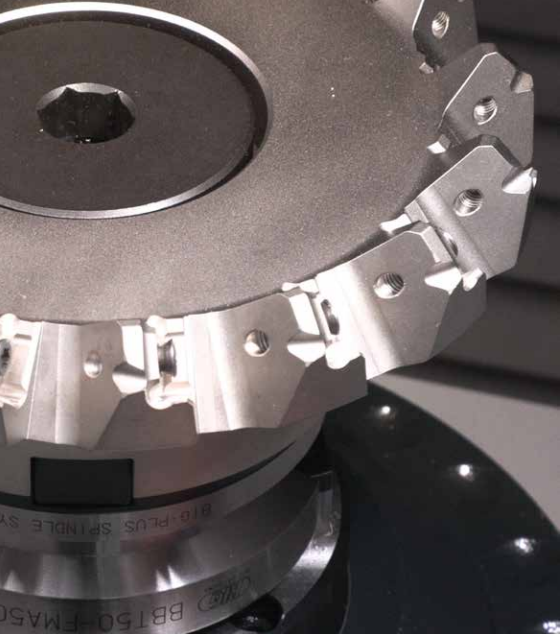
 Manual Preset Torque  
**1-5 N·m**  
 (0.05 N·m Increments)

## Insert Replacement Procedure

<b>Loosen</b>	<p>Manually loosen the screw by approx. 1/4 turn</p>	<p>Use electric mode to fully loosen screw and remove old insert from cutter</p>
	<p>Set recommended torque using the adjustment dial</p>	<p>Install insert and use electric mode to tighten until seated</p>

\*Prevents over-tightening beyond specified torque setting





## 2 Boost Efficiency and Decrease Downtime

**Watch Video!**



Insert Installation Time Comparison for Face Mill Cutter (MB45)



Comparison of insert installation time for the Face Mill Cutter MB45 using the DTD500 and a standard torque wrench. The total time for installing all inserts was significantly reduced.

### USB Charging (Type-C)



USB Type-C charging with a 1m charging cable included

### LED Light



LED light for illuminating dark areas

### Strap Hole



Strap for fall prevention and storage

# Product Information

## Driver Specifications

Part Number	<b>DTD500</b>
Power Source	DC 3.7V (Embedded Li-ion Battery)
Capacity	970mAh
No-Load Rotation Speed	270 RPM
Max. Electric Torque	1 N-m
Manual Preset Torque	1 - 5 N-m (0.05 N-m Increments) 8.9 - 44 in-lb (0.4 in-lb Increments)
Work Capacity Per Charge (approx.)	Can tighten approx. 400 screws per charge (Ex. Screw: SB-50410TR / Cutter: MFPN453000R-5T)
Chuck Capability	1/4in Hexagonal Flat-to-Flat
Charging Time	~110 min
Dimensions	8.7 × 1.97 × 2.17in / 221 × 50 × 55mm
Weight	1.26 lbs / 570g

- ✓ Includes 5 magnetic bits and a USB Type-C charging cable
- ✓ Charging indicator light



## Included Accessories

### TORX Bit Set:

- (T8×65mm / T15×64mm / 8IP×65mm / 15IP×65mm / 20IP×65mm)
- 1m USB Charging Cable (Type-C)

	Bit Shape	Type	Torque (N-m)	Torque (in-lb)	Screw Size
TORX		T8	1.2	10.6	M2 / M2.5 / M3 / M4
		T15	3.5	31	M3.5 / M4 / M5
TORX Plus		8IP	1.2	10.6	M2.5 / M3
		15IP	3.5 / 4	31 / 35	M3.5 / M4 / M5
		20IP	4.5	40	M4.5 / M5 / M6



## Optional Accessories (Parts below sold separately in 5-piece packs)

	Bit Shape	Part Description	Torx Size	Length (mm)	Length (in)	Torque (N-m)	Torque (in-lb)	Screw Size
TORX		TORX BIT T6x65mm (x5)	T6	65	2.56	0.5	4.4	M1.6 / M2 / M2.2
		TORX BIT T8x65mm (x5)	T8	65	2.56	1.2	10.6	M2 / M2.5 / M3 / M4
		TORX BIT T8x110mm (x5)		110	4.33			
		TORX BIT T10x65mm (x5)	T10	65	2.56	2	18	M3 / M3.5 / M4 / M4.5
		TORX BIT T15x65mm (x5)	T15	65	2.56	3.5	31	M3.5 / M4 / M5
		TORX BIT T15x110mm (x5)		110	4.33			
		TORX BIT T20x65mm (x5)	T20	65	2.56	4.5	40	M5 / M6
		TORX BIT T25x65mm (x5)	T25	65	2.56	5	44	M6 / M8
TORX Plus		TORX PLUS BIT 6IPx65mm (x5)	8IP	65	2.56	1.2	10.6	M2.5 / M3 / Inch 4-48
		TORX PLUS BIT 8IPx65mm (x5)		110	4.33			
		TORX PLUS BIT 8IPx110mm (x5)	10IP	65	2.56	2	18	M3 / M3.5
		TORX PLUS BIT 10IPx65mm (x5)		110	4.33			
		TORX PLUS BIT 15IPx65mm (x5)	15IP	65	2.56	3.5	31	M3.5 / M4 / M5
		TORX PLUS BIT 15IPx110mm (x5)		110	4.33			
		TORX PLUS BIT 20IPx65mm (x5)	20IP	65	2.56	4.5	40	M4.5 / M5 / M6
		TORX PLUS BIT 20IPx110mm (x5)		110	4.33			
		TORX PLUS BIT 25IPx65mm (x5)	25IP	65	2.56	5	44	M6 / M8



**KYOCERA Precision Tools**

238 Marc Drive  
Cuyahoga Falls, OH 44223



**COMPLETE  
METALWORKING  
SOLUTIONS**

(800) 991-4225

www.ahbinc.com  
ISO Certified  
customerservice@ahbinc.com

©KYOCERA Precision Tools  
03/2025