

MNTD

Preset & Click type Marking Torque Screwdriver

PATENT PENDING



MNTD120CN



MNTD500CN

- The world's first marking torque screwdriver
- Obvious marking on screw head for tightening error prevention
- Marking on screws when each tightening process is completed
- For wide variety of small flat head and pan head screws
- Suitable for frequent repetitive tightening with preset torque value



M4 flat head screw



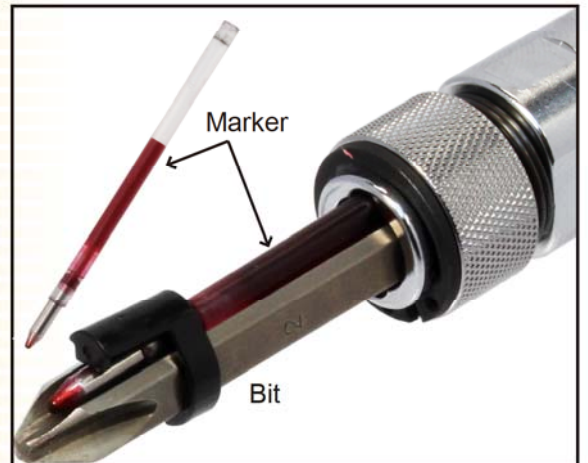
M4 pan head screw



Marking Torque Screwdriver MNTD

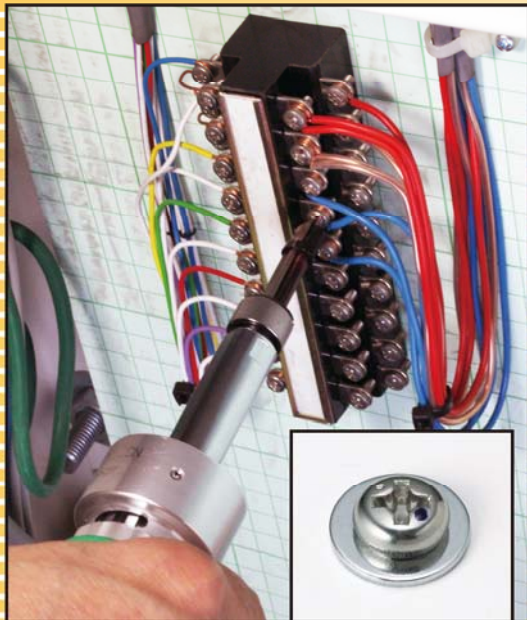
Features

- Obvious marking on screws can be an evidence of what the screws have been surely tightened
- Easy replacement with disposable marker
- Approx. 1,000 shots per a marker
- Total 7 types of phillips and hexagon bit available
- Possibility to level up inspection system with CCD camera
- Suitable for precision equipment assembly by non rotary mechanism



Various usages

For switchboards



M4 Pan head screw with blue marking

Available for pan, flat and binding head screws.
Suitable for tightening works in space-limited places.

Marking samples



Stainless steel flat head screw



Stainless steel pan head screw



Chrom coating hexagon socket head screw



Stainless steel binding head screw

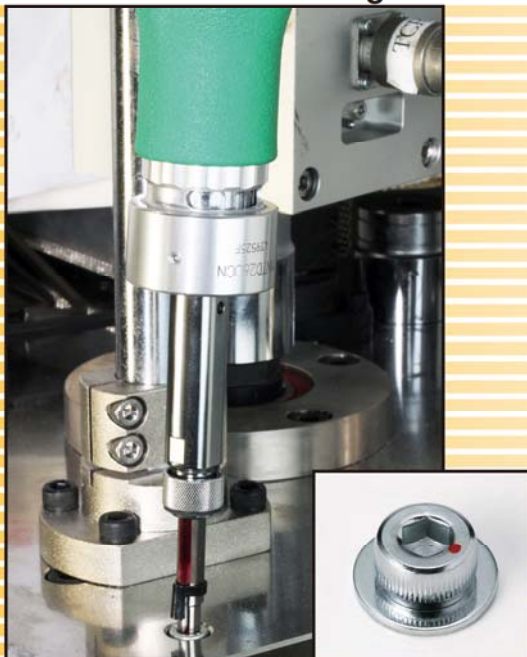


Trivalent chromium coating pan screw



Trivalent chromium coating hexagon socket head screw

For standard assembling



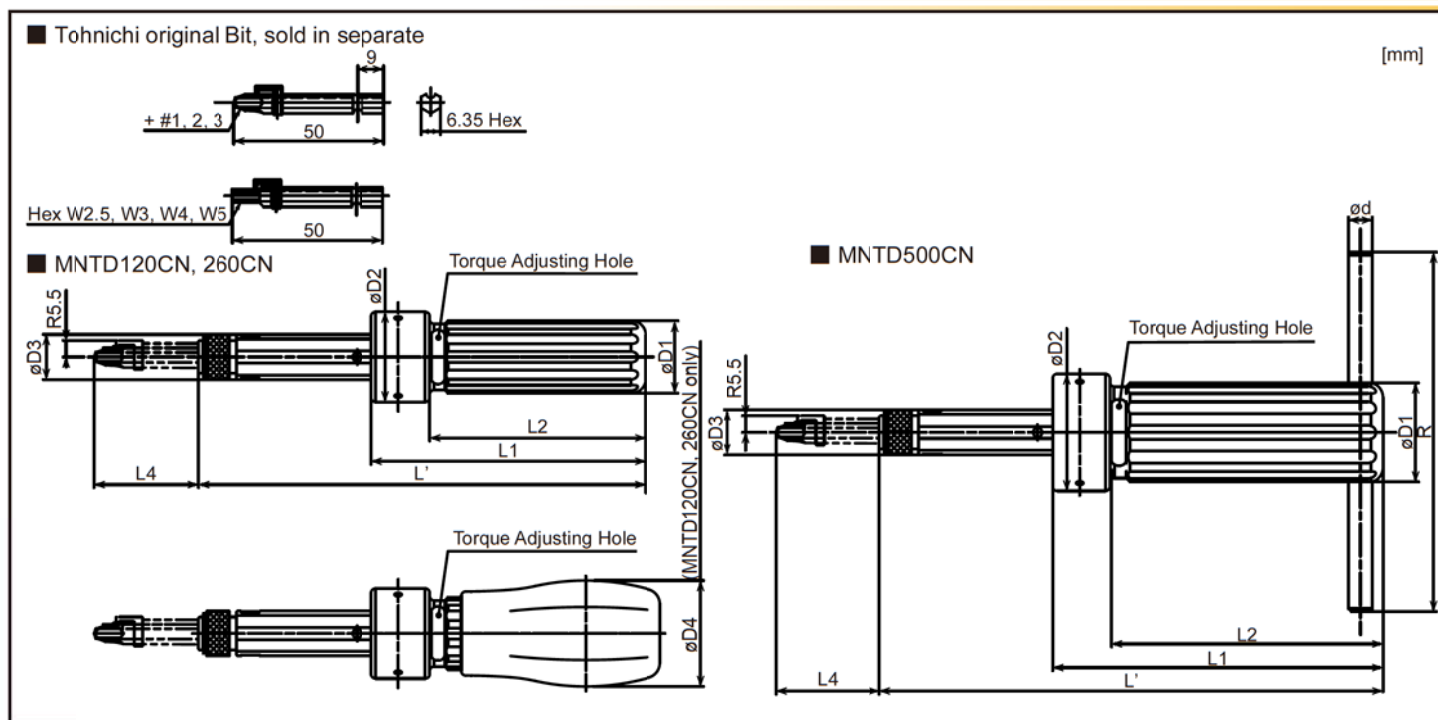
M4 Hexagon socket head bolt with red marking

For communication apparatus



M4 Binding head screw with blue marking

Specifications

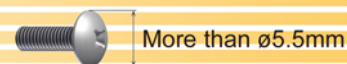


Accuracy +/-3%

Model	cN·m	kgf·cm	lbf·in	L'	D1	D2	D3	D4	L1	L2	L4	d	R
MNTD120CN	40-120	4-12	4-10	150	24	30		33	91.5	72		-	-
MNTD260CN	100-260	10-26	10-22	152	30.5	36.5	15	41	94	74.5	34.5	-	-
MNTD500CN	200-500	20-50	20-40	168	33	39		-	110	91		8	120

Note • Special designed bit and marker are required to use MNTD.
Standard bit and marker on the market are not available to use.

- Applicable for screw that head diameter is $\phi 5.5\text{mm}$ and more.
- Unavailable to hexagon set screws.
- Dark colored screws are not suitable with MNTD marking.



Including Accessories

MNTD500CN with an auxiliary tightening tool. MNTD120CN and 260CN with a resin grip.

Optional Accessories

Special designed bit, phillips

Part No.	Size	Applicable Screws
1601	#1	M2.5, (M3)*
1602	#2	M3, M4, M5
1603	#3	M6



Special designed bit, hexagon

Part No.	Size	Applicable Screws
1611	W2.5	M3
1612	W3	M4
1613	W4	M5
1614	W5	M6



* Binding head screw

Preset hook spanner

Part No.	Applicable Model
52	MNTD120CN
53	MNTD260CN
54	MNTD500CN



Marker

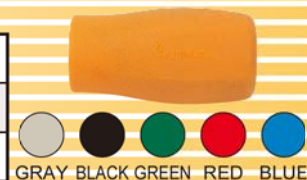
Part No.	Description
1621	Red Marker, 10pcs/pack
1622	Red Marker, 100pcs/pack
1623	Blue Marker, 10pcs/pack
1624	Blue Marker, 100pcs/pack



* Disposable maker sold in pack

Color resin grip

Color	Orange	Gray	Black	Green	Red	Blue	Orange	Gray	Black	Green	Red	Blue
Part No.	850	851	852	853	854	855	856	857	858	859	860	861
Applicable Model	MNTD120CN						MNTD260CN					



RTDLS/RNTDLS Wired Error-proofing Torque Screwdriver



Establish an interlock system at assembly line through connecting tightening completion signal to external devices.



RTDLS120CN

RNTDLS500CN

Accuracy +/-3%

Model	Min.-Max.	1 Grad.
	cN·m	
RTDLS120CN	20-120	1
RTDLS260CN	60-260	2
RTDLS500CN	100-500	5
RNTDLS120CN	40-120	
RNTDLS260CN	100-260	-
RNTDLS500CN	200-500	

RTDFH/RNTDFH Wireless Error-proofing Torque Screwdriver



Establish wireless error proofing system, adopting highly reliable Frequency Hopping System.



RTDFH120CN

RNTDFH500CN

Standard Equipment



R-FH256 Receiver

I/O-FH256 4 port I/O

SB-FH256 Setting box

Accuracy +/-3%

Model	RTDFH256/RNTDFH256
Frequency band	2.4GHz (2.402 to 2.479GHz, 1MHz interval, 78 kinds)
Communication system	Spread spectrum (Frequency hopping systems)
Modulation system	GFSK
Modulation speed	1Mbps
Group channel	Gr (000 to 255)
ID	3-digit (000 to 999), 7-digit (alphanumeric)
Battery	DC3V CR2032 Coin type battery
Communication distance	Approx. 10 to 20m

Model	Min.-Max.	1 Grad.
	cN·m	
RTDFH120CN	20-120	1
RTDFH260CN	60-260	2
RTDFH500CN	100-500	5
RNTDFH120CN	40-120	
RNTDFH260CN	100-260	-
RNTDFH500CN	200-500	

RTDFH/RNTDFH models require the wireless equipment certification of your country. Please contact Tohnichi for status of the wireless equipment certification acquisition.

Calibration Equipment

TDT3-G Torque Screwdriver Tester



TDT600CN3-G



High-accuracy digital torque screwdriver tester with loading device eliminates measurement errors.

Accuracy +/-1%

Model	Min.-Max.	1 Grad.	Min.-Max.	1 Grad.	Min.-Max.	1 Grad.
	cN·m	cN·m	kgf·cm	kgf·cm	lbf·in	lbf·in
TDT60CN3-G	2-60	0.005	0.2-6	0.0005	0.2-5	0.0005
TDT600CN3-G	20-600	0.05	2-60	0.005	2-50	0.005



Product movies are available. Visit Tohnichi TV.
<https://www.youtube.com/channel/UCjJorELcVWGd9rajJULGdFNQ>

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