

RTD

Rotary Slip Adjustable Torque Screwdriver

Assembly Adjustable Rotary Slip Graduation

RoHS

- Ratcheting mechanism prevents over torque.
- Torque easily set with external scale

Direction



S.I. Model	Torque Range [cN·m]		Metric Model	Torque Range [kgf·cm]		American Model	Torque Range [ozf·in/lbf·in]		Overall Length [mm]	Weight [g]
	Min.-Max.	Grad.		Min.-Max.	Grad.		Min.-Max.	Grad.		
-	-	-	-	-	-	RTD20Z	ozf in	ozf in	100	50
-	-	-	-	-	-	RTD40Z	15-40	0.5		
-	-	-	-	-	-	RTD80Z	20-80	1	110	80
-	-	-	-	-	-	RTD150Z	30-150	2	130	160
RTD15CN	2-15	0.1	1.5RTD	0.2-1.5	0.01	RTD1.3I	lbf in	lbf in	100	50
RTD30CN	4-30	0.2	3RTD	0.4-3	0.02	RTD2.6I	0.4-2.6	0.02		
RTD60CN	10-60	0.5	6RTD	1-6	0.05	RTD5I	1-5	0.05	110	80
RTD120CN	20-120	1	12RTD	2-12	0.1	RTD10I	2-10	0.1	130	160
RTD260CN	60-260	2	26RTD	6-26	0.2	RTD22I	6-22	0.2	150	270
RTD500CN	100-500	5	50RTD	10-50	0.5	RTD40I	10-40	0.5	155	320

Note 1. Auxiliary tightening tool for RTD500CN is sold separately.
2. Bits are sold separately. Refer to page 11.

Standard Accessories 1. Hook spanner for RTD260CN and RTD500CN
2. Resin grip for RTD120CN and RTD260CN

LTD

Adjustable Torque Screwdriver

Assembly Adjustable Graduation

RoHS

- Clicks at set torque value
- Torque easily set with external scale

Direction



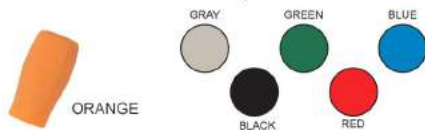
S.I. Model	Torque Range [cN·m]		Metric Model	Torque Range [kgf·cm]		American Model	Torque Range [ozf·in/lbf·in]		Overall Length [mm]	Weight [g]
	Min.-Max.	Grad.		Min.-Max.	Grad.		Min.-Max.	Grad.		
-	-	-	-	-	-	LTD20Z	ozf in	ozf in	100	50
-	-	-	-	-	-	LTD40Z	15-40	0.5		
-	-	-	-	-	-	LTD80Z	20-80	1	110	80
-	-	-	-	-	-	LTD150Z	30-150	2	130	160
LTD15CN	2-15	0.1	1.5LTD	0.2-1.5	0.01	LTD1.3I	lbf in	lbf in	100	50
LTD30CN	4-30	0.2	3LTD	0.4-3	0.02	LTD2.6I	0.4-2.6	0.02		
LTD60CN	10-60	0.5	6LTD	1-6	0.05	LTD5I	1-5	0.05	110	80
LTD120CN	20-120	1	12LTD	2-12	0.1	LTD10I	2-10	0.1	130	160
LTD260CN	60-260	2	26LTD	6-26	0.2	LTD22I	6-22	0.2	150	270
LTD500CN	100-500		50LTD	10-50		LTD40I	10-40		155	320
LTD1000CN	200-1000	5	100LTD	20-100	0.5	LTD90I	20-90	0.5	185	580
LTD2000CN	300-2000		200LTD	30-200		LTD180I	30-180		255	1150

Note 1. Auxiliary tightening tool for LTD500CN and LTD1000CN is available, sold separately.
2. Bits are sold separately. Refer to page 10.
3. Bits for LTD2000CN are Tohnichi original.

Standard Accessories 1. Hook spanner for LTD260CN-LTD2000CN
2. LTD2000CN comes with an auxiliary tightening tool.
3. Resin grip for LTD120CN and LTD260CN

Torque Screwdriver Optional Accessories

RESIN GRIP for 120CN, 260CN



For 120CN

Part #	Color	Applicable Model
850	Orange	RTD120CN
851	Gray	LTD120CN
852	Black	RNTD120CN
853	Green	NTD120CN
854	Red	
855	Blue	

For 260CN

Part #	Color	Applicable Model
856	Orange	RTD260CN
857	Gray	LTD260CN
858	Black	
859	Green	RNTD260CN
860	Red	NTD260CN
861	Blue	

Resin Grip Dimensions

	120CN		260CN	
	RTD LTD	RNTD NTD	RTD LTD	RNTD NTD
Hexagon width across flats Maximum value [mm]	33		41	
Hexagon width across corner Maximum value [mm]	35		44	
Length [mm]	67		81	68
Overall Length with torque screwdriver [mm]	130	110	150	110

ADJUSTING TOOL for RTD/LTD

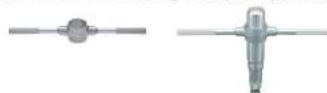
- Used for zero adjustment



Part #	Applicable Model
51	LTD/RTD15CN, 30CN
46	LTD/RTD60CN
47	LTD/RTD260CN
48	LTD/RTD500CN
49	LTD/RTD1000CN
1046	LTD/RTD120CN

AUXILIARY TIGHTENING TOOL for RTD/LTD/RNTD/NTD

- Make easier for large torque tightening



Part #	Applicable Model
31	LTD/RNTD/NTD/RNTD500CN
32	LTD/NTD1000CN, RTDFH/RNTDFH500CN
40	LTD2000CN
1031	RTDLS500CN RNTDSL500CN

HOOK SPANNER for RTD/LTD/MNTD

- Torque setting for middle and large size torque screwdriver



Part #	Applicable Model
52	LTD/RTD260CN, MNTD120CN
53	LTD/RTD500CN, MNTD260CN
54	LTD1000CN, MNTD500CN
55	LTD2000CN

TORQUE ADJUSTING BAR for RNTD/NTD/RNTDZ

- Used for torque setting of preset torque screwdriver



Part #	Applicable Model
42	NTD/RNTD15CN-120CN
43	NTD/RNTD260CN, RNTDZ260CN
44	NTD/RNTD500CN-1000CN, RNTDZ500CN

RNTD Rotary Slip Preset Torque Screwdriver

Direction



Assembly **Preset** Rotary Slip

RoHS

- Preset version of RTD
- No external scale, torque set by a torque driver tester

Model	Torque Range			Overall Length [mm]	Weight [g]	
	[cN·m]		[kgf·cm]			[lbf·in]
	Min.-Max.	Min.-Max.	Min.-Max.			
RNTD15CN	5-15	0.5-1.5	0.5-1.3	95	71	
RNTD30CN	10-30	1-3	1-2.5			
RNTD60CN	20-60	2-6	2-5			
RNTD120CN	40-120	4-12	4-10	110	110	
RNTD260CN	100-260	10-26	10-22			
RNTD500CN	200-500	20-50	20-40			

Accuracy ±3%

- Note**
1. A torque driver tester is necessary for torque setting. Specify required set torque when you order. Ex. RNTD120CN × 100cN·m
 2. Torque adjusting bar is sold separately. Refer to page 45.
 3. Bits are sold separately. Refer to page 10.

- Standard Accessories**
1. Resin grip for RNTD120CN and RNTD260CN
 2. Auxiliary tightening bar for RNTD500CN

NTD Preset Torque Screwdriver

Direction



Assembly **Preset**

RoHS

- Preset version of LTD
- No external scale, torque set by a torque driver tester

Model	Torque Range			Overall Length [mm]	Weight [g]	
	[cN·m]		[kgf·cm]			[lbf·in]
	Min.-Max.	Min.-Max.	Min.-Max.			
NTD15CN	5-15	0.5-1.5	0.5-1.3	95	70	
NTD30CN	10-30	1-3	1-2.5			
NTD60CN	20-60	2-6	2-5			
NTD120CN	40-120	4-12	4-10	110	110	
NTD260CN	100-260	10-26	10-22			
NTD500CN	200-500	20-50	20-40			
NTD1000CN	400-1000	40-100	40-90	155	550	

Accuracy ±3%

- Note**
1. A torque driver tester is necessary for torque setting. Specify required set torque when you order. Ex. NTD120CN × 100cN·m
 2. Torque adjusting bar is sold separately. Refer to page 45.

- Standard Accessories**
1. Resin grip for NTD120CN and NTD260CN
 2. Auxiliary tightening bar for NTD500CN and NTD1000CN

RTDZ Insulated Rotary Slip Adjustable Torque Screwdriver

Direction



Assembly **Adjustable** **Rotary Slip** **Resin Body** **Insulated**

RoHS

- Insulated design suited for use in electric shock hazard conditions
- Ideal for electric car assembly, connection of battery terminal wiring work etc

S.I. Model	Torque Range [cN·m]		Metric Model	Torque Range [kgf·cm]		Torque Range [lbf·in]		Overall Length [mm]	Weight [g]
	Min.-Max.	Grad.		Min.-Max.	Grad.	Min.-Max.	Grad.		
	RTDZ260CN	60-260		2	26RTDZ	6-26	0.2		
RTDZ500CN	100-500	5	50RTDZ	10-50	0.5	-	-	183	380

Accuracy ±3%

- Note**
1. Torque adjusting bar is sold separately. Refer to page 45.
 2. Bits are sold separately. Refer to page 10.
 3. Bits are not insulation coating.

RNTDZ Insulated Rotary Slip Preset Torque Screwdriver

Direction



Assembly **Preset** **Rotary Slip** **Resin Body** **Insulated**

RoHS

- Insulated design suited for use in electric shock hazard conditions
- Ideal for electric car assembly, connection of battery terminal wiring work etc

S.I. Model	Torque Range [cN·m]		Metric Model	Torque Range [kgf·cm]		Torque Range [lbf·in]		Overall Length [mm]	Weight [g]
	Min.-Max.	Grad.		Min.-Max.	Grad.	Min.-Max.	Grad.		
	RNTDZ260CN	100-260		-	-	10-26	-		
RNTDZ500CN	200-500	-	-	20-50	-	20-40	-	138	340

Accuracy ±3%

- Note**
1. A torque driver tester is necessary for torque setting. Specify required torque when you order. Ex. RNTDZ260CN × 200cN·m
 2. Torque adjusting bar is sold separately. Refer to page 45.
 3. Bits are sold separately. Refer to page 10.
 4. Bits are not insulation coating.

AMRD/BMRD

Direction Rotary Slip Adjustable Torque Screwdriver for Small Screws



Assembly Adjustable Rotary Slip Graduation

RoHS

- Low torque version of RTD
- AMRD includes Tohnichi original bits.

Accuracy ±3%

S.I. Model	Torque Range [cN·m]		Metric Model	Torque Range [gf·cm/kgf·cm]		American Model	Torque Range [ozf·in/lbf·in]		Overall Length [mm]	Weight [g]	Standard Accessory Bit	
	Min.-Max.	Grad.		Min.-Max.	Grad.		Min.-Max.	Grad.			⊕	⊖ Thickness × Width
AMRD	cN·m	cN·m		gf·cm	gf·cm		ozf·in	ozf·in				
AMRD1CN	0.3-1	0.01	100AMRD	30-100	1	-	-	-				0.15 × 1
AMRD2CN	0.5-2	0.025	200AMRD	50-200	2.5	AMRD3Z	1-3	0.05				0.2 × 1.5
AMRD4CN	1-4	0.05	400AMRD	100-400	5	AMRD6Z	2-6	0.1				0.3 × 2
AMRD8CN	2-8		800AMRD	200-800	10	AMRD12Z	3-12	0.2				
BMRD		0.1		kgf·cm	kgf·cm		lbf·in	lbf·in				
BMRD15CN2	2-15		1.5BMRD2	0.2-1.5	0.01	1.5BMRD2-A	0.2-1.5	0.005	116	50	-	-
BMRD30CN2	4-30	0.2	3BMRD2	0.4-3	0.02	3BMRD2-A	0.4-3	0.01				

Note 1. Bits for BMRD are sold separately. Refer to page 10.
2. Bits for AMRD are supplied from only Tohnichi.

AMLD/BMLD

Direction Adjustable Torque Screwdriver for Small Screws



Assembly Adjustable Graduation

RoHS

- Low torque version of LTD
- AMLD includes Tohnichi original bits.

Accuracy ±3%

S.I. Model	Torque Range [cN·m]		Metric Model	Torque Range [gf·cm/kgf·cm]		American Model	Torque Range [ozf·in/lbf·in]		Overall Length [mm]	Weight [g]	Standard Accessory Bit	
	Min.-Max.	Grad.		Min.-Max.	Grad.		Min.-Max.	Grad.			⊕	⊖ Thickness × Width
AMLD	cN·m	cN·m		gf·cm	gf·cm		ozf·in	ozf·in				
AMLD1CN	0.3-1	0.01	100AMLD	30-100	1	-	-	-				0.15 × 1
AMLD2CN	0.5-2	0.025	200AMLD	50-200	2.5	AMLD3Z	1-3	0.05				0.2 × 1.5
AMLD4CN	1-4	0.05	400AMLD	100-400	5	AMLD6Z	2-6	0.1				0.3 × 2
AMLD8CN	2-8		800AMLD	200-800	10	AMLD12Z	3-12	0.2				
BMLD		0.1		kgf·cm	kgf·cm		lbf·in	lbf·in				
BMLD15CN2	2-15		1.5BMLD2	0.2-1.5	0.01	1.5BMLD2-A	0.2-1.5	0.005	116	50	-	-
BMLD30CN2	4-30	0.2	3BMLD2	0.4-3	0.02	3BMLD2-A	0.4-3	0.01				

Note 1. Bits for BMLD are sold separately. Refer to page 10.
2. Bits for AMLD are supplied from only Tohnichi.

Daily Check and Calibration of Torque Screwdrivers

Digital Torque Gauges for Daily Inspections

One use of ATGE-G and BTGE-G digital torque gauges is to check the accuracy of small torque screwdrivers such as AMLD/AMRD and BMLD/BMRD. Monitoring drivers with daily inspections confirms driver function and accuracy prior to use. Refer to page 56 and 57.

- ATGE-G
- BTGE-G
- ATGE-G with Measurement stand, #808
- BTGE-G with Measurement stand, #809



Torque checking figure for AMRD with ATGE-G and measurement stand, #808.



Torque checking figure for BMRD with BTGE-G

Torque Driver Tester for Calibration and Adjustments

TDT3-G digital torque screwdriver testers are for the calibration of torque screwdrivers such as click type and indicating type. The loading device keeps the driver steady and in a vertical position during testing for highly accurate calibration and easy adjustments.

- TDT3-G: Refer to page 53.



Click type RTD with TDT3-G and loading device STA.



Indicating type FTD with TDT3-G and optional loading device LTA.

MNTD Marking Torque Screwdriver

RoHS

Direction


 Assembly **Preset**

- Non-rotary preset type marking torque screwdriver
- Total 7 types of phillips and hexagon bits available
- Marking screws as torque is achieved

Accuracy ±3%

Model	Torque Range			Overall Length [mm]	Weight [g]
	[cN·m] Min.-Max.	[kgf·cm] Min.-Max.	[lbf·in] Min.-Max.		
MNTD120CN	40-120	4-12	4-10	150	210
MNTD260CN	100-260	10-26	10-22	152	315
MNTD500CN	200-500	20-50	20-40	168	365

- Note**
1. MNTD special designed bits and markers are sold separately.
 2. Tester is required to set/change a torque value.
 3. MNTD is not applicable with hexagon socket set screws.
 4. Dark colored screws might not be suitable to detect MNTD marking.

Standard Accessories Green resin grip for 120CN and 260CN. Auxiliary tightening tool for 500CN

MNTD Optional Accessories

MNTD Plus Bit

Part #	Model	Applicable Screw/Ref.
1601	MNTD #1 bit	M2.5 (M3)
1602	MNTD #2 bit	M3, M4, M5
1603	MNTD #3 bit	M6

MNTD Hex Bit

Part #	Model	Applicable Screw/Ref.
1611	MNTD W2.5 bit	M3
1612	MNTD W3 bit	M4
1613	MNTD W4 bit	M5
1614	MNTD W5 bit	M6

- Note**
1. Tohnichi special designed bit is required for MNTD.
 2. Applicable for screw that head diameter is over ø 3.5mm. Unavailable to hexagon set screws.
 3. In M3 screw, only binding head screw is applicable.

MNTD Marker

Part #	Model
1621	MNTD Marker Red 10 pcs/set
1622	MNTD Marker Red 100 pcs/set
1623	MNTD Marker Blue 10 pcs/set
1624	MNTD Marker Blue 100 pcs/set

- Note**
1. It is a disposable marker.
 2. 1 pc of marker are capable of 1000 marking operations.

Preset Hook Spanner for MNTD

Part #	Applicable Model
52	MNTD120CN
53	MNTD260CN
54	MNTD500CN

Note To set/change torque value.

Torque Screwdriver

RTDLS/RNTDLS

RoHS

Direction

Rotary Slip Type Torque Screwdriver with Limit Switch



Assembly

- RTD/RNTD style with Limit Switch output
- Wired Error-Proofing, Pokayoke, system for assembly processes

Accuracy ±3%

S.I. Model	Torque Range [cN·m]			Metric Model	Torque Range [kgf·cm]		American Model	Torque Range [lbf·in]		Overall Length [mm]	Weight [g]
	Min.-Max.	Grad.			Min.-Max.	Grad.		Min.-Max.	Grad.		
RTDLS120CN	20-120	1	12RTDLS	2-12	0.1	RTDLS10I	2-10	0.1	184	340	
RTDLS260CN	60-260	2	26RTDLS	6-26	0.2	RTDLS22I	6-22	0.2	201	450	
RTDLS500CN	100-500	5	50RTDLS	10-50	0.5	RTDLS40I	10-40	0.5	212	540	
RNTDLS120CN	40-120	-	-	4-12	-	-	4-10	-	166	320	
RNTDLS260CN	100-260	-	-	10-26	-	-	10-22	-	167	390	
RNTDLS500CN	200-500	-	-	20-50	-	-	20-40	-	175	480	

- Note**
1. Bits are sold separately. Refer to page 10.
 2. RNTDLS models are required a torque driver tester for torque setting. Specify required torque when you order. Ex. RNTDLS120CN × 100cN·m
 3. Limit switch specifications AC30V below 1A, DC30V below 1A
 4. Female connector for LS cable is sold separately. Part# WA5219K.

POKA Patrol, Count Checker CNA-4mk3

Refer to page 27.

* Sold separately



RTDFH/RNTDFH

RoHS

Direction

Rotary Slip Type Pokayoke Torque Screwdriver



Assembly

- Torque screwdriver with wireless error-proofing, Pokayoke, function
- High reliable FHSS technology with universal 2.4GHz frequency band

Accuracy ±3%

S.I. Model	Torque Range [cN·m]			Metric Model	Torque Range [kgf·cm]		American Model	Torque Range [lbf·in]		Overall Length [mm]	Weight [g]
	Min.-Max.	Grad.			Min.-Max.	Grad.		Min.-Max.	Grad.		
RTDFH120CN	20-120	1	12RTDFH	2-12	0.1	RTDFH10I	2-10	0.1	184	280	
RTDFH260CN	60-260	2	26RTDFH	6-26	0.2	RTDFH22I	6-22	0.2	201	380	
RTDFH500CN	100-500	5	50RTDFH	10-50	0.5	RTDFH40I	10-40	0.5	212	490	
RNTDFH120CN	40-120	-	-	4-12	-	-	4-10	-	166	260	
RNTDFH260CN	100-260	-	-	10-26	-	-	10-22	-	167	320	
RNTDFH500CN	200-500	-	-	20-50	-	-	20-40	-	175	430	

- Note**
1. RTDFH/RNTDFH are ESD/Electro Static discharge.
 2. Refer to page 30 for receiver and setting box.
 3. Contact to Tohnichi for condition of wireless equipment in each country.
 4. Auxiliary tightening tool for RTDFH/RNTDFH500CN is part # 32.

Standard Accessories Adjusting handle : RTDFH500CN and RNTDFH500CN

Receiver R-FH256

Refer to page 29 for wireless Pokayoke system configuration.

*Sold separately



POKA Patrol, Count Checker CNA-4mk3

Refer to page 27.

* Sold separately



Transmitter Specifications

Model	RTDFH/RNTDFH
Frequency Band	2.4GHz band (2.402GHz-2.479GHz, 1MHz interval 78ch)
Communication System	Spread spectrum (FHSS)
Modulation System	GFSK
Modulation Rate	1Mbps
Group Channel	Gr 000-255
ID	3 digit (000-999), 7 digit (alphanumeric)
Input/Output	-
Power[V]	DV3V(CR2032)
Antenna	Chip Antenna
Display	LED
Operating Temperature	0-45 °C
Communication Distance	approx. 10-20m

FTD

Dial Indicating Torque Screwdriver with Memory Pointer

Direction



Inspection **Dial Indicating** Memory Pointer Direct Reading

- Ideal for measuring torque
- FTD-S with memory pointer; FTD with preset knob

Accuracy ±3%

S.I. Model	Torque Range [cN·m]		Metric Model	Torque Range [gf·cm/kgf·cm]		American Model	Torque Range [ozf·in/lbf·in]		Overall Length [mm]	Weight [g]	Standard Accessory Bit	
	Min.-Max.	Grad.		Min.-Max.	Grad.		Min.-Max.	Grad.			⊕ Thickness × Width	
FTD-S	cN-m	cN-m		gf-cm	kgf-cm		ozf-in	lbf-in				
FTD2CN-S	0.3-2	0.05	02FTD2-S	30-200	5	FTD3Z2-S	0.5-3	0.1				
FTD5CN-S	0.5-5	0.1	05FTD2-S	50-500	10	FTD7Z2-S	1-7	0.2				
				kgf-cm	kgf-cm				152	140		
FTD10CN-S	1-10	0.2	1FTD2-S	0.1-1	0.02	FTD15Z2-S	2-15	0.5				
FTD20CN-S	3-20	0.5	2FTD2-S	0.3-2	0.05	FTD30Z2-S	5-30	1				
FTD50CN2-S	5-50	1	5FTD2-S	0.5-5	0.1	FTD70Z2-S	10-70	2				
							lbf-in	lbf-in				
						5FTD2-A-S	0.5-5	0.1				
FTD100CN2-S	10-100	2	10FTD2-S	1-10	0.2	10FTD2-A-S	1-10	0.2	272	370		
FTD200CN2-S	30-200	5	20FTD2-S	3-20	0.5	20FTD2-A-S	3-20	0.5				
FTD400CN2-S	50-400	10	40FTD2-S	5-40	1	40FTD2-A-S	5-40	1				
	N-m	N-m										
FTD8N2-S	1-8	0.2	80FTD2-S	10-80	2	80FTD2-A-S	10-70	2	338	900	# 3	1.2 × 8
FTD16N2-S	3-16	0.5	160FTD2-S	30-160	5	160FTD2-A-S	20-140	5		930		
	FTD	cN-m	cN-m									
FTD50CN	10-50	1	5FTD	1-5	0.1	5FTD-A	1-5	0.1	215	285	# 1	0.7 × 7
FTD100CN	20-100	2	10FTD	2-10	0.2	10FTD-A	1-10	0.2		290		
FTD200CN	40-200	5	20FTD	4-20	0.5	20FTD-A	3-20	0.5	263	390	# 2	0.9 × 7
FTD400CN	80-400	10	40FTD	8-40	1.0	40FTD-A	5-40	1		410		

Note FTD8N2-S, FTD16N2-S: Square drive type, 6.35mm

Standard Accessories Auxiliary tightening bar for FTD8N2-S and FTD16N2-S

MTD

Micro Dial Indicating Torque Screwdriver

Direction



Inspection **Dial Indicating** Direct Reading

- Low torque capacity version of FTD
- Requires special size bits

Accuracy ±3%

S.I. Model	Torque Range [mN·m]		Metric Model	Torque Range [gf·cm]		American Model	Torque Range [ozf·in]		Overall Length [mm]	Weight [g]	Standard Accessory Bit	
	Min.-Max.	Grad.		Min.-Max.	Grad.		Min.-Max.	Grad.			⊕ Thickness × Width	
MTD1MN	0.1-1	0.02	10MTD	1-10	0.2	-	-	-	110	22		0.15 × 1
MTD2MN	0.3-2	0.05	20MTD	3-20	0.5	-	-	-	100	21	# 0	0.2 × 15
MTD5MN	0.5-5	0.1	50MTD	5-50	1	MTD07Z	0.1-0.7	0.02				0.3 × 2
MTD10MN	1-10	0.2	100MTD	10-100	2	MTD1.4Z	0.2-1.4		132	23		

Note MTD models require Tohnichi made bits. Refer to page 10.

STC2-G/-BT

Digital Torque Screwdriver

Direction



STC200CN2-G

Assembly Inspection **Digital** Direct Reading Ratchet Rechargeable

- Ideal for tightening and inspection operation
- 1000 data memory storage and data output function
- Color LED indicator, White, Blue, Yellow, and Red

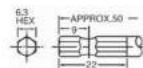


Accuracy ±1%

Model	Torque Range								Overall Length [mm]	Weight [g]	
	[cN·m]		[kgf·cm]		[lbf·in]		[ozf·in]				
Standard Version	Bluetooth® Version	Min.-Max.	1digit	Min.-Max.	1digit	Min.-Max.	1digit	Min.-Max.	1digit		
STC50CN2-G	STC50CN2-G-BT	10-50	0.05	1-5	0.005	1-4	0.005	15-70	0.05		
STC200CN2-G	STC200CN2-G-BT	40-200	0.2	4-20	0.02	4-17	0.02	-	-	230	325
STC400CN2-G	STC400CN2-G-BT	80-400	0.5	8-40	0.05	8-35	0.05	-	-		

- Note
1. Bits are sold separately. Refer to page 10.
 2. Bit size as below
 3. Display can be turned upside down with keypad operation.
 4. Data output of standard version is through USB only.
 5. Data output of Bluetooth® version is through USB and Bluetooth®.
 6. Contact to Tohnichi for condition of wireless equipment in each country.

Standard Accessories USB cable/384, AC adapter/BA-7, and Battery pack/BP-7. Refer to page 47.



White LED light
80% of target torque



Blue LED light
Achieving target torque



Yellow & Red flashing LED light
Over torque indication

STC2-G/-BT Specifications

Accuracy	±1%
Measurement Mode	Tightening / Inspection mode
Battery Indicator	4 levels
Judgment Mode	Buzzer and LED indicator on upper/lower limit
Basic Functions	Auto-power off, Auto memory & reset, Auto zero setting
Power Supply	Lithium Ion Battery
Data Output	USB
Operating Time	approximate 30 hours
Recharging Time	AC adaptor: 5 hours USB through PC: 10 hours

STC2-G/-BT Communication Specifications

Bluetooth® Version	V3.0
Transmitting System	AFH
Modulation System	GFSK
Wireless Output	4dBm
Transmission Power Class	Class 2
Profile	SPP
Communication Distance	10m
Operating Time	15 hours

[EX.] Torque checking figure for torque screwdriver



STC2-G

Interchangeable Bit



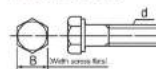
Torque Screwdriver	Root Shape							
	U30CN	U (except U30CN)			-	-	-	AUR5N
Power Torque Tool	U30CN	U (except U30CN)			-	-	-	AUR5N
Root Shape Sign	A	B	C	D	F	G	H	
Root Shape and Dimensions								

Screw Head Shape	Sign	Size	Screw	Tohnichi Original Bit		Common (Standard)		Tohnichi Original Bit		Common (Standard)		
				Bit	Bit	Bit	Bit	Bit	Bit			
Plus	0	#0 (S-0)	Refer to Table A	104		109		115				
	1	#1 (H-1)	Refer to Table A		85	106	84	116				
	2	#2 (H-2)	Refer to Table A		86	107	80					
	3	#3 (H-3)	Refer to Table A		87		81			35	700	
	4	#4 (H-4)	Refer to Table A							36		
	Minus	10	0.15 x 1	Refer to Table B					111			
		11	0.2 x 1.5	Refer to Table B					112			
		12	0.3 x 2	Refer to Table B					113			
		13	0.4 x 2.4	Refer to Table B	105							
		14	0.6 x 3.8	Refer to Table B			108					
		15	0.7 x 7	Refer to Table B		88						
		16	0.9 x 7	Refer to Table B		89						
		17	1 x 10	Refer to Table B							37	
		18	1 x 12	Refer to Table B							38	
		19	1.2 x 17	Refer to Table B							39	
	20	1.6 x 10	Refer to Table B					82				
	21	1.2 x 8	Refer to Table B					83				
	Hex bit socket	Hex Bolt										
		W 5.5	5.5	M3		91						
		W 6	6	(M3.5)		95						
		W 7	7	M4		92						
W 8		8	(M4.5) M5		93							
W 10	10	M5		94								
Hex			Cap Screw	Set Screw								
	W 1.27	1.27		M2.5		56						
	W 1.5	1.5		M3		57						
	W 2	2	M2.5	M4		58						
	W 2.5	2.5	M3	M5		59						
	W 3	3	M4	M6		60						
	W 4	4	M5	M8		61						
	W 5	5	M6	M10		62						
	W 6	6	M8	M12 (M14)		63						
	W 8	8	M10	M16 (M18)		64						
Square Drive	2	□ 6.35 (1/4)				90				33		
	3	□ 9.53 (3/8)								34		
Hexalobular			Flat Head	Socket Head	Set Screw							
	T 5	M2			M2.5		470					
	T 6	M2			M3		471					
	T 7	M2.5	M2.5	M4			472					

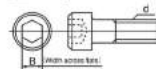
Bolt Head Shape * Reference

Nominal Size of Screw (d)	Hex head Bolt (B)	Small Hex Head Bolt (E)	High Strength Hex Bolt for Friction Grip Joint (E)	Hex Socket Head Cap Screw (E)	Hex Socket Set Screw (B)
M2.5	4.5	-	-	2	1.27
M3	5.5	-	-	2.5	1.5
(M3.5)	6	-	-	-	-
M4	7	-	-	3	2
(M4.5)	8	-	-	-	-
M5	8	-	-	4	2.5
M6	10	-	-	5	3
(M7)	11	-	-	-	-
M8	13	12	-	6	4
M10	16	17	14	8	5
M12	18	19	17	10	6
(M14)	21	22	19	12	6
M16	24	22	27	14	8
(M18)	27	24	-	17	10
M20	30	27	32	17	10
(M22)	32	34	30	19	-
M24	36	32	41	19	-
(M27)	41	36	46	22	-
M30	46	41	50	24	-
(M33)	50	46	-	27	-
M36	55	50	-	27	-
(M39)	60	55	-	32	-
M42	65	-	-	32	-
JIS	JIS B 1180	JIS B 1180	JIS B 1186	JIS B 1176	JIS B 1177

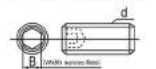
Hex Bolt



Cap Screw



Set Screw



Flat Head Screw

How to order :

Indicate the model name and catalog No.

EX. MODEL NAME CATALOG No.

BIT A - D 104

Root Shape Sign

Point Shape Sign

Size of Bits



No. of Cross Nominal Size of Screw (d)	Hole No.	Remark
M1.6, M2	#0 (S-0)	Pan head screw, Flat head screw, Pan flat screw, Bind screw [(M3) #1 is bind small screw only] [(M2) #1 is not compliant with ISO]
[M2], (M2.2), M2.5, (M3)	#1 (H-1)	
M3, (M3.5), M4, (M4.5), M5	#2 (H-2)	
M6	#3 (H-3)	
M8, M10	#4 (H-4)	



Nominal Size (b)	Table B																
	M1	M1.2	(M1.4)	M1.5	(M1.7)	M2	(M2.2)	M2.5	(M2.6)	M3	(M3.5)	M4	(M4.5)	M5	M6	M8	M10
Groove	ISO screws																
Width (a)	0.32	0.4	0.5	0.6	0.8	1	1.2	1.6	2	2.5	3	4	5	6	8	10	12
	Non-ISO screws																

