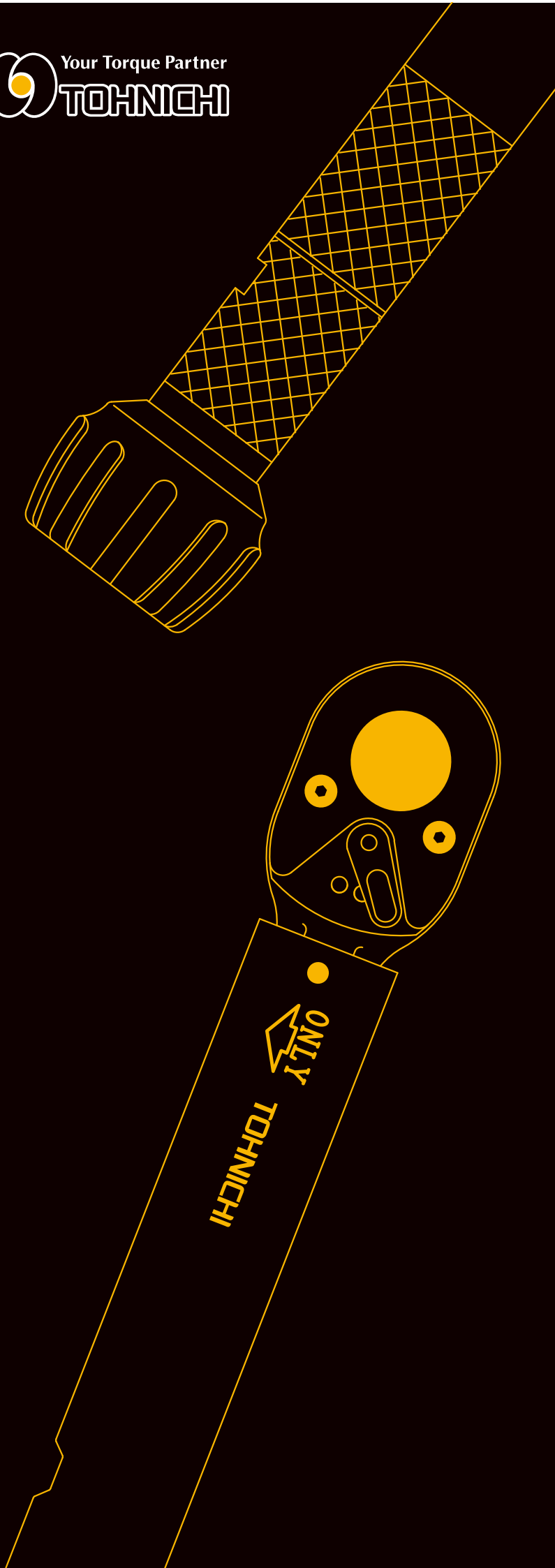


# 2023

## Reference Guide



### ***New Products***

***CSP6D Interchangeable Preset Torque Wrench***

*Compact design with high precision for limited access*

***QH6D and SH6D Interchangeable Head***

*Designed for CSP6D with compact slimline dimensions*

***DOTE10N4-G: Digital Torque Wrench Tester***

*New loading mechanism for highly accurate measurements*

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<http://www.global-tohnichi.com>



# LC3-G Torque Wrench Line Checker

Direction



Checking **Digital** Manual Loading **Direct Reading**

RoHS

- For daily inspections of torque wrenches
- Newly added judgment function and USB output
- Multiple units of measure through keypad setup



CE

## LC3-G Standard Accessories Hexagon Head Adapter

Part #	Applicable Model	Square Drive [mm]	Hex Size (Male) [mm]
282	LC20N3-G	9.5	8, 10, 12, 13, 14, 17
280	LC200N3-G	12.7	8, 10, 12, 13, 14, 17, 19, 22

## Socket Adapter (P.44)

Part #	Applicable Model	Inlet Drive [mm]	Hex Size (Male) [mm]
1282	LC20N3-G	6.35	9.5
1280	LC200N3-G	9.5	12.7
274	LC1000N3-G	12.7	19.0
276	LC1400N3-G	19.0	25.4

## Calibration Kit for LC3-G/ST3-G

\* Sold separately. Refer to page 63.

Model	Mode	Torque Range												Inlet Drive [mm]	Weight [kg]
		cN-m		N-m		kgf.cm		kgf.m		lbf.in		lbf.ft			
		Min.-Max.	1 digit	Min.-Max.	1 digit	Min.-Max.	1 digit	Min.-Max.	1 digit	Min.-Max.	1 digit	Min.-Max.	1 digit		
LC20N3-G	Run	50.0-2000.0	0.2	0.500-20.000	0.002	5.00-200.00	0.02	-	-	5.00-174.00	0.02	-	-	9.53	10.5
		50.0-99.8	-	0.500-0.998	-	5.00-9.98	-	-	-	5.00-9.98	-	-	-		
	Peak	100-999	1	1.00-9.99	0.01	10.0-99.9	0.1	-	-	10.0-99.9	0.1	-	-		
		1000-2000	10	10.0-20.0	0.1	100-200	1	-	-	100-174	1	-	-		
LC200N3-G	Run	-	-	5.00-200.00	0.02	50.0-2000.0	0.2	-	-	50.0-1740.0	0.2	4.00-140.00	0.02	12.7	
		-	-	5.00-9.98	-	50.0-99.8	-	-	-	50.0-99.8	-	4.00-9.98	-		
	Peak	-	-	10.0-99.9	0.1	100-999	1	-	-	100-999	1	10.0-99.9	0.1		
		-	-	100-200	1	1000-2000	10	-	-	1000-1740	10	100-140	1		
LC1000N3-G	Run	-	-	50.0-1000.0	0.1	-	-	5.00-100.00	0.01	500-8800	1	36.8-735.0	0.1	25.4	
	Peak	-	-	50.0-99.9	-	-	-	5.00-9.99	-	500-999	-	36.8-99.9	-		
LC1400N3-G	Run	-	-	100.0-1400.0	0.2	-	-	10.00-140.00	0.02	900-12000	2	75.0-1000.0	0.2	39	
		-	-	100-999	1	-	-	10.0-99.9	0.1	900-998	-	75.0-99.8	-		
	Peak	-	-	1000-1400	10	-	-	100-140	1	1000-9990	10	100-1000	1		
		-	-	-	-	-	-	-	-	10000-12000	100	-	-		

**Note** 1. Dimensions: L278mm × W160mm × H167mm (LC20N3-G, LC200N3-G)  
L500mm × W290mm × H186mm (LC1000N3-G)  
L500mm × W313mm × H186mm (LC1400N3-G)  
2. TCL, calibration kit is optional, refer to page 63.  
3. Max. 1000 measured data can be stored.

**Standard Accessories** AC Adapter/BA-6, AC100-240V±10%

## LC3-G Optional Accessories

### Connecting Cable (P.50)

Part #	Applicable Model
383	LC3-G - PC, EPP16M3
385	LC3-G - PC

**Note** Contact Tohnichi for other connector shapes.

### Printer (P.68)

Model
EPP16M3

### Data Filing System (P.67)

Model	Media
DFS	CD-ROM

# ST3-G SPINTORK/Rotary Peak Torque Meter

## ST3-G-BT

Direction



Checking **Digital** Re-Chargeable **Direct Reading**

RoHS

- Ideal for checking nutrunner torque output and angle
- Data output through USB (ST3-G) and Bluetooth® (ST3-G-BT)
- Tightening torque value can be detected by every 1° degree in Bluetooth® version.

## ST3-G/ST3-G-BT Specifications

Torque Accuracy	+/- 1% +1digit
Angle Range	0 to 999°
Angle 1 digit	1°
Angle Accuracy	+/- 2° +1digit
Measuring Direction	Bi-direction
Display	7 segment LCD; Unit, Battery life, Direction Counter value: 3 digits (3mm height) Torque and angle value: 3 digits (7mm height)
Measuring Mode	PEAK/RUN
Data Memory	999
Data Output	USB / Bluetooth® -BT models
Continuous Duty	10 hours / 5 to 8 hours -BT models
Power	Built-in NI-MH (Nickel hydrogen) battery pack
Operating Temperature	0~40 °C
BT Communication Distance	10m
Other Functions	Auto Memory/Reset (0.5-5 seconds variable), Auto Power Off (3/10/30 mins, Non), Display of remaining battery level (4 levels)

## ST3-G/ST3-G-BT Optional Accessories

### Extension Bar

Part #	Applicable Model
283	ST10N3-G-BT
281	ST20N3-G-BT, ST50N3-3/8-G-BT
247	ST50N3-1/2-G-BT, ST100N3-G-BT, ST200N3-G-BT
248	ST500N3-G-BT
249	ST1000N3-G-BT

\* Bluetooth is a registered trademark of Bluetooth SIG, Inc.

Model	Bluetooth® Version	Torque Range												Overall Length [mm]	Inlet/Outlet Drive [mm]	Weight [kg]		
		N.m		cN.m		kgf.cm		kgf.m		ozf.in		lbf.in					lbf.ft	
		Min.-Max.	1digit	Min.-Max.	1digit	Min.-Max.	1digit	Min.-Max.	1digit	Min.-Max.	1digit	Min.-Max.	1digit				Min.-Max.	1digit
Standard Version	Bluetooth® Version	(0.50)2-10	0.01	200-1000	1	20-100	0.1	0.2-1	0.001	285-1400	1	18-88	0.1	1.5-7.3	0.01	75	6.35	
ST15N3-6.35-G	ST15N3-6.35-G-BT	(1.00)4-15	0.02	400-1500	2	40-150	0.2	0.4-1.5	0.002	570-2100	2	36-131	0.2	3-11	0.02	106.5	Hex 6.35	
ST20N3-G	ST20N3-G-BT	(1.00)4-20	0.02	400-2000	2	40-200	0.2	0.4-2	0.002	570-2800	2	36-175	0.2	3-14.5	0.02	9.53		
ST50N3-3/8-G	ST50N3-3/8-G-BT	(2.50)10-50	0.05	1000-5000	5	100-500	0.5	1-5	0.005	1420-7000	5	90-440	0.5	7.5-36.5	0.05	75	0.25	
ST50N3-1/2-G	ST50N3-1/2-G-BT	(2.50)10-50	0.05	1000-5000	5	100-500	0.5	1-5	0.005	1420-7000	5	90-440	0.5	7.5-36.5	0.05	75	0.25	
ST100N3-G	ST100N3-G-BT	(5.0)20-100	0.1	-	-	200-1000	1	2-10	0.01	-	-	180-880	1	15-73	0.1	12.7		
ST200N3-G	ST200N3-G-BT	(10.0)40-200	0.2	-	-	400-2000	2	4-20	0.02	-	-	360-1750	2	30-145	0.2			
ST500N3-G	ST500N3-G-BT	(25.0)100-500	0.5	-	-	1000-5000	5	10-50	0.05	-	-	900-4400	5	75-365	0.5	120	19.05	
ST1000N3-G	ST1000N3-G-BT	(50)200-1000	1	-	-	-	-	20-100	0.1	-	-	150-735	1	135	25.4	1.3		

**Note** 1. Not for use with impact wrenches or pulse type tools.  
2. Graph of angle and torque can be created in Bluetooth® version.  
3. Data output of Bluetooth® version is through Bluetooth® only.  
4. As for your local condition of wireless equipment certification acquisition, contact to Tohnichi or distributor.  
5. The values in ( ) indicate minimum snug torque values. Accuracy cannot be guaranteed for snug torque set beyond the operative torque range.

**Standard Accessories** 1. Quick Battery Charger/BC-4 2. CD-ROM (USB Driver) 3. USB Connecting Cable/384 4. Carrying Case

