

# TOHNICHI Major Product Line

Torque Wrenches  
Torque Screwdrivers  
Torque Measuring Instruments



Your Torque Partner  **TOHNICHI**

## Adjustable Click Type Torque Wrench



### Ratchet Head QL/QL-MH



QL50N to QL280N



QL-MH, QL420N



QL2N to QL25N5

Model		Accuracy +/- 3%	
Model	Model	Range [N·m]	S.D.
QL2N	QL2N-MH	0.4-2	1/4
QL5N	QL5N-MH	1-5	
QL10N	QL10N-MH	2-10	
QL15N	QL15N-MH	3-15	3/8
QL25N5-1/4	-	5-25	
QL25N5	QL25N-MH	5-25	1/2
QL50N	QL50N-MH	10-50	
QL100N4-3/8	-	20-100	3/4
QL100N4	QL100N4-MH		
QL140N	QL140N-MH	30-140	1/2
QL200N4	QL200N4-MH	40-200	
QL280N-1/2	-	40-280	3/4
QL280N	QL280N-MH		
QL420N	-	60-420	

## Dial Indicating Torque Wrench



Standard direct reading

### DB Fixed Sq. Drive CDB Interchangeable Head



DB100N-S



CDB100NX15D-S

Model		Accuracy +/- 3%	
Model	S.D.	Model	Range [N·m]
DB1.5N4-S	-	-	0.2-1.5
DB3N4-S	-	-	0.3-3
DB6N4-S	-	-	0.6-6
-	1/4	CDB7N4X8D-S	0.7-7
-	-	CDB14N4X8D-S	2-14
DB12N4-S	-	-	1-12
DB25N-1/4-S	-	CDB25NX10D-S	3-25
DB25N-S	-	-	-
DB50N-S	3/8	CDB50NX12D-S	5-50
DB100N4-3/8-S	-	CDB100NX15D-S	10-100
DB100N-S	-	-	-
DB200N-S	1/2	CDB200NX19D-S	20-200
DB280N-1/2-S	-	-	-
DB280N-S	-	-	30-280
-	3/4	CDB300NX22D-S	30-300
DB420N-S	-	CDB420NX22D-S	40-420

## Adjustable Click Type Torque Wrench



### Interchangeable Head CL/CL-MH



CL50NX12D to CL280NX22D



CL-MH, CL420NX22D



CL2NX8D to CL25N5X10D

Model		Accuracy +/- 3%	
Model	Model	Range [N·m]	S.D.
CL2NX8D	CL2NX8D-MH	0.4-2	1/4
CL5NX8D	CL5NX8D-MH	1-5	
CL10NX8D	CL10NX8D-MH	2-10	3/8
CL15NX8D	CL15NX8D-MH	3-15	
CL25N5X10D	CL25N5X10D-MH	5-25	1/2
CL50NX12D	CL50NX12D-MH	10-50	
CL50NX15D	CL50NX15D-MH	10-50	3/4
CL100NX15D	CL100NX15D-MH	20-100	
CL140NX15D	CL140NX15D-MH	30-140	1/2
CL200NX19D	CL200NX19D-MH	40-200	
CL280NX22D	CL280NX22D-MH	40-280	3/4
CL420NX22D	-	60-420	

## Dial Indicating Torque Wrench



Standard direct reading

### DBE/DBR Fixed Sq. Drive



DBE2100N-S



DBE and Extension

Model		Accuracy +/- 3%			
Model	S.D.	Range [N·m]	Model	S.D.	Range [N·m]
DBE560N-S	3/4	50-560	DBE1400N-S	1	200-1400
DBE700N-S	-	70-700	DBE2100N-S	-	200-2100
DBE850N-S	1	100-850	DBE2800N-S	1-1/2	300-2800
DBE1000N-S	-	100-1000	DBR4500N-S	-	kN·m 0.5-4.5
-	-	-	DBR6000N-S	1-3/4	kN·m 0.6-6

## Adjustable Click Type Torque Wrench



### Ratchet Head QLE2



QLE2100N2



CLE550N2X27D



QLE and Extension

### Interchangeable Head CLE2

Model		Accuracy +/- 3%	
Model	S.D.	Model	Range [N·m]
QLE550N2	3/4	CLE550N2X27D	100-550
QLE750N2	-	CLE750N2X27D	150-750
-	-	CLE850N2X32D	200-850
QLE1000N2	-	-	200-1000
-	1	CLE1200N2X32D	300-1200
QLE1400N2	-	-	300-1400
QLE2100N2	-	-	500-2100
QLE2800N2	1-1/2	-	800-2800

## Digital Torque Wrench



Multi function digital indicating type

### CEM3-G Interchangeable Head



CEM100N3X15D-G



CEM20N3X10D-G

Model		Accuracy +/- 1%	
Model	Range [N·m]	Range [kgf·m]	Range [lb·ft]
CEM10N3X8D-G	2-10	0.2-1	1.5-7.3
CEM20N3X10D-G	4-20	0.4-2	3-14.5
CEM50N3X12D-G	10-50	1-5	7.5-36
CEM100N3X15D-G	20-100	2-10	15-73
CEM200N3X19D-G	40-200	4-20	30-150
CEM360N3X22D-G	72-360	7.2-36	52-260
CEM500N3X22D-G	100-500	10-50	73-360
CEM850N3X32D-G	170-850	17-85	124-620

## Preset Click Type Torque Wrench



### Ratchet Head QSP/QSP-MH



QSP1.5N4 to QSP140N3



QSP-MH, QSP200N4 to QSP420N



QSP1.5N4X8D to QSP140N3X15D



QSP-MH, QSP200N3X19D to QSP280N3X22D

### Interchangeable Head CSP/CSP-MH

Model		Accuracy +/- 3%	
Model	S.D.	Model	Range [N·m]
QSP1.5N4	-	CSP1.5N4X8D	0.3-1.5
QSP3N4	-	CSP3N4X8D	0.6-3
QSP6N4	1/4	CSP6N4X8D	1-6
QSP12N4	-	CSP12N4X8D	2-12
QSP25N3-1/4	-	-	5-25
QSP25N3	-	CSP25N3X10D	-MH
-	3/8	CSP50N3X12D	10-50
QSP50N3	-	CSP50N3X15D	-
QSP100N4-3/8	-	-	20-100
QSP100N4	-	CSP100N3X15D	-MH
QSP140N3	1/2	CSP140N3X15D	30-140
QSP200N4	-	CSP200N3X19D	40-200
QSP280N3-1/2	-	-	40-280
QSP280N3	3/4	CSP280N3X22D	60-420
QSP420N	-	-	-

## Beam Type Torque Wrench



Classic style direct reading

### SF/F



SF2N



SF6N

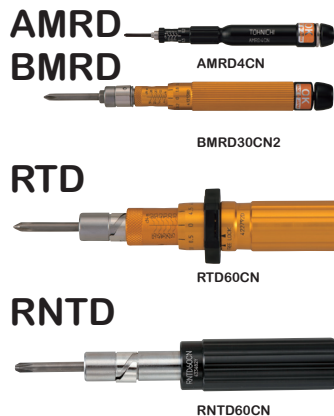
Model		Accuracy +/- 3%	
Model	S.D.	Range [cN·m]	Range [N·m]
SF40CN	1/4	8-40	
SF70CN	-	10-70	
SF1.5N	-	0.2-1.5	
SF3N	1/4	0.5-3	
SF6N	-	0.6-6	
SF12N	-	2-12	
F23N	3/8	3-23	
F46N	-	5-46	
F92N	-	10-92	
F130N	1/2	20-130	
F190N	-	30-190	

Note: Metric and American scale models are available on above manual products.

## Rotary Slip Torque Screwdriver



With over-torque prevention mechanism



Adjustable type		Preset type	
Model	Range (cN·m)	Model	Range (cN·m)
AMRD1CN	0.3-1	-	-
AMRD2CN	0.5-2	-	-
AMRD4CN	1-4	-	-
AMRD8CN	2-8	-	-
BMRD15CN2	2-15	-	-
BMRD30CN2	4-30	-	-
Model	Range (cN·m)	Model	Range (cN·m)
RTD15CN	2-15	RNTD15CN	5-15
RTD30CN	4-30	RNTD30CN	10-30
RTD60CN	10-60	RNTD60CN	20-60
RTD120CN	20-120	RNTD120CN	40-120
RTD260CN	60-260	RNTD260CN	100-260
RTD500CN	100-500	RNTD500CN	200-500

Accuracy +/- 3%

## Digital Torque Wrench Tester



Wide torque range with data management function



Model		Range (N·m)	Range (kgf·cm)	Range (lbf·in)	Inlet drive
TCC100N2-G	CH1	4-100	40-1000	35.5-885	1/2
	CH2	1-25	10-250	9-220	3/8
TCC100N2-D-G	CH1	4-100	40-1000	35.5-885	1/2
	CH2	20-600	2-60	2-50	1/4
TCC500N2-G	CH1	20-500	200-5000	180-4400	3/4
	CH2	4-100	40-1000	36-880	1/2
TCC1000N2-G	CH1	50-1000	500-10000	445-8800	1
	CH2	20-500	200-5000	180-4400	3/4

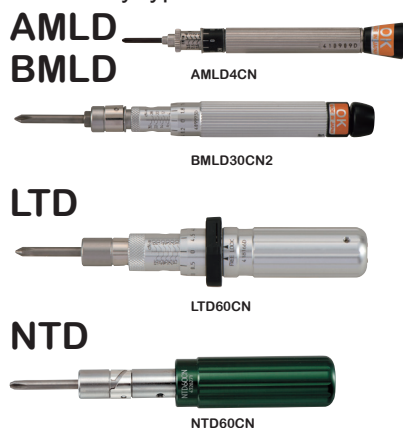
Accuracy +/- 1% + 1 digit

TCC100N2-G with QL wrench

## Click Type Torque Screwdriver



Non rotary type



Adjustable type		Preset type	
Model	Range (cN·m)	Model	Range (cN·m)
AMLD1CN	0.3-1	-	-
AMLD2CN	0.5-2	-	-
AMLD4CN	1-4	-	-
AMLD8CN	2-8	-	-
BMLD15CN2	2-15	-	-
BMLD30CN2	4-30	-	-
Model	Range (cN·m)	Model	Range (cN·m)
LTD15CN	2-15	NTD15CN	5-15
LTD30CN	4-30	NTD30CN	10-30
LTD60CN	10-60	NTD60CN	20-60
LTD120CN	20-120	NTD120CN	40-120
LTD260CN	60-260	NTD260CN	100-260
LTD500CN	100-500	NTD500CN	200-500
LTD1000CN	200-1000	NTD1000CN	400-1000
LTD2000CN	300-2000	-	-

Accuracy +/- 3%

## Digital Torque Wrench Tester



Widely renowned digital tester

### DOTE3-G



Model		Range (N·m)	Range (kgf·cm)	Range (lbf·in)	Inlet drive
DOTE20N3-G	2-20	20-200	18-180	3/8	
	5-50	50-500	44-440		
	10-100	100-1000	88-880		
DOTE100N3-G	20-200	200-2000	170-1700	1/2	
	50-500	5-50	440-4400	3/4	
DOTE1000N3-G	100-1000	10-100	880-8800	1	

Accuracy +/- 1% + 1 digit

DOTE100N3-G with QL wrench

## Dial Indicating Torque Screwdriver



Direct reading with pointer needle

### FTD-S



Model		Range (cN·m)	Inlet drive
FTD2CN-S	0.3-2		
FTD5CN-S	0.5-5		
FTD10CN-S	1-10		
FTD20CN-S	3-20		1/4 Hex.
FTD50CN2-S	5-50		
FTD100CN2-S	10-100		
FTD200CN2-S	30-200		
FTD400CN2-S	50-400		
FTD8N2-S	1-8		1/4 Square
FTD16N2-S	3-16		

Accuracy +/- 3%

Memory pointer captures peak torque

## Digital Torque Wrench Checker



Quick daily inspection with multiple torque unit selection

### LC3-G



Model		Range (N·m)	Range (kgf·cm)	Range (lbf·in)	Inlet drive
LC20N3-G	0.5-20	5-200	5-174	3/8	
LC200N3-G	5-200	50-2000	50-1740	1/2	
LC1000N3-G	50-1000	5-100	500-8800	1	
LC1400N3-G	100-1400	10-140	900-12000		

Accuracy +/- 1% + 1 digit

LC200N3-G with QL wrench

LC1000N3-G with QLE wrench

## Digital Type Torque Screwdriver



Multi function digital indicating type

### STC2-G



White LED light  
Approaching 80% of target torque

Blue LED light  
Achieved target torque

Yellow & Red flashing LED light  
Over torque warning

Model		Range (cN·m)	Range (kgf·cm)	Range (lbf·in)	Inlet drive
STC50CN3-G	10-50	1-5	1-4.4		
STC200CN3-G	40-200	4-20	4-17	1/4 Hex.	
STC400CN3-G	80-400	8-40	8-35		

Accuracy +/- 1%

## Digital Torque Screwdriver Tester



With mechanical loading device

### TDT3-G



TDT600CN3-G with optional loading devices left (LTA), right (TDTLA3)

Model		Range (cN·m)	Range (kgf·cm)	Range (lbf·in)	Inlet drive
TDT600CN3-G	2-60	0.2-6	0.2-5	1/4 Hex. (male)	
TDT600CN3-G	20-600	2-60	2-50	with a groove (minus 0.7mm)	

Accuracy +/- 1% + 1 digit

TDT600CN3-G with RTD screwdriver

Note: Digital products -G series are multi unit models.

# Selecting Proper TOHNICHI Products for Your Purpose

## Torque Wrenches

## Torque Screwdrivers

## Torque Measuring Instruments

### Tightening

### Inspection

### Tightening

### Inspection

### Tester

### Checker

QL/QLE2

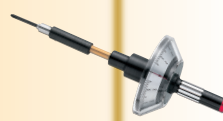
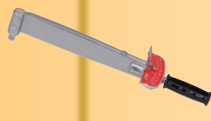
SF/F

AMRD/BMRD2  
AMLD/BMLD2

MTD

TDT3-G

ATGE-G/BTGE-G



CL/CLE2

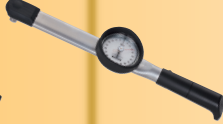
DB/CDB

RTD/LTD

FTD-S

DOE3-G

LC3-G



QSP/CSP

CEM3-G

RNTD/NTD

STC2-G

TCC2-G

TCF



## Interchangeable Heads



QH



SH



AH



RH



HH



RQH



SH-N



FH



DH

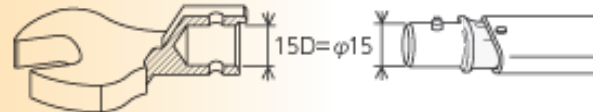


HH8D



PH

Interchangeable head wrench and Interchangeable head of the same size can be connected.



## Wired and wireless type Error-proofing (Pokayoke) Products



CNA-4mk3 Count Checker with wired type torque wrenches



R-FH256 Receiver with wireless error-proofing



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

TOHNICHI MFG. CO., LTD.  
URL <http://www.global-tohnichi.com>  
E-mail [overseas@tohnichi.co.jp](mailto:overseas@tohnichi.co.jp)  
N.V. TOHNICHI EUROPE S.A.  
E-mail [tohnichi-europe@online.be](mailto:tohnichi-europe@online.be)  
TOHNICHI AMERICA CORP.  
URL <http://www.tohnichi.com>  
E-mail [inquiry@tohnichi.com](mailto:inquiry@tohnichi.com)  
TOHNICHI SHANGHAI MFG. CO., LTD.  
URL <http://www.tohnichi-sh.com>  
E-mail [sales@tohnichi-sh.com](mailto:sales@tohnichi-sh.com)

