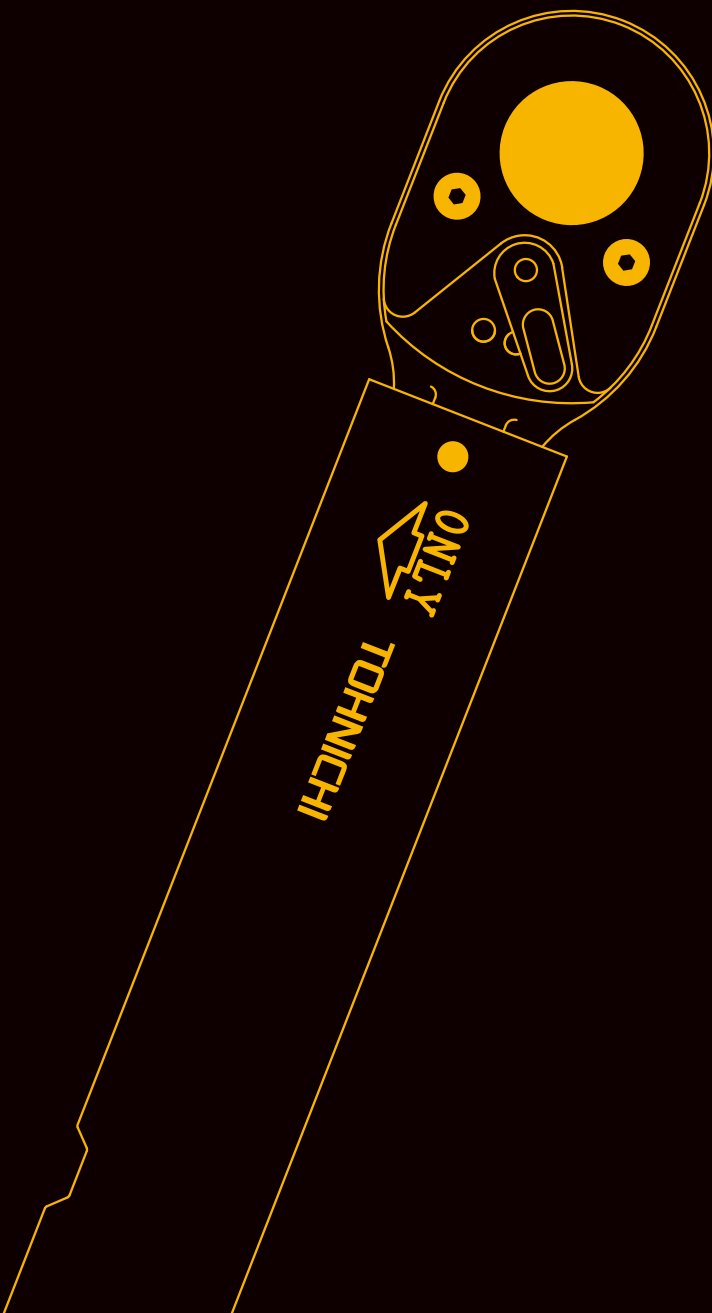
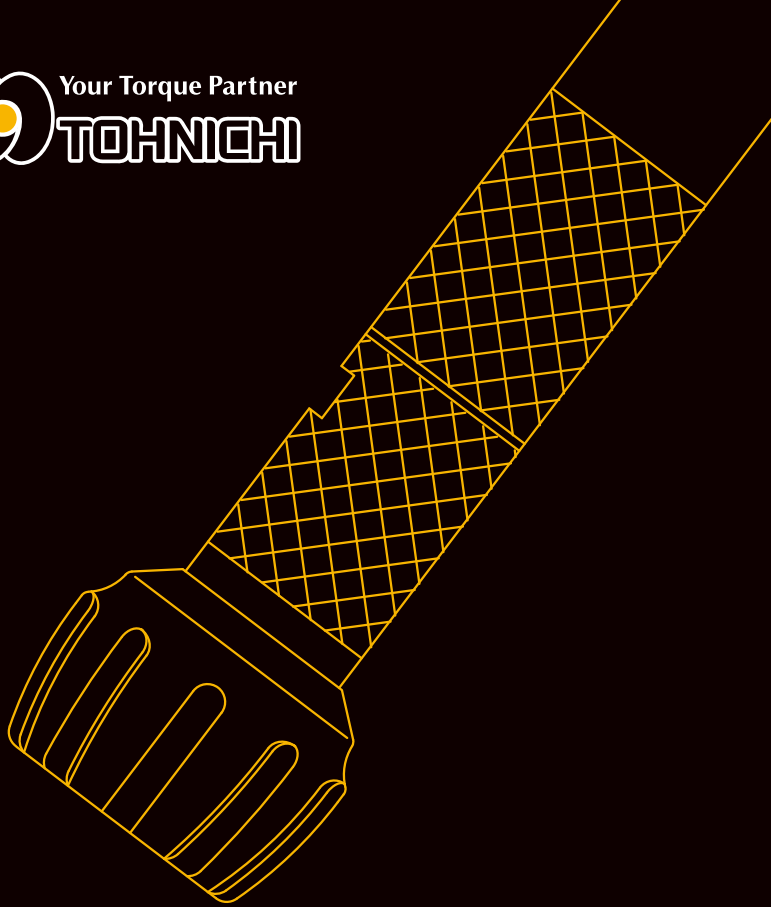


2023

Reference Guide

ประแจวัดแรงบิด
(Torque Wrench)



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

DOT10N4-G: Digital Torque Wrench Tester

New loading mechanism for highly accurate measurements

Scan QR Code for latest online information
<http://www.global-tohnichi.com>



QL/QL-E2

Ratchet Head
Type Adjustable
Torque Wrench

Assembly

Adjustable

Ratchet Head

Graduation

ISO6789:2003
2017

Direction

RoHS



QLE750N2



QL5N



QL100N4

■ QL/QL-MH Optional Accessories



842



846

Carrying Case (P.49)

Part #	Applicable Model Dimension [mm]
842	QL50N, QL50N-MH, QL100N4-MH H60 × W400 × D70
843	QL140N, QL140N-MH, QL200N4, QL200N4-MH H60 × W520 × D80
846	QL140N, QL140N-MH and below H170 × W500 × D100
847	QL280N, QL280N-MH and below H170 × W740 × D100



879

880

881

Part #	Color	Applicable Model
879	Red	QL2N, QL5N
880	Blue	QL10N, QL15N,
881	Green	QL25N5-1/4,
882	Black	QL25N5



873

QL Protective Head Cover (P.49)

Part #	Applicable model
870	QL2N(-MH) - 15N(-MH)
871	QL25N5, QL25N-MH
872	QL50N(-MH)
873	QL100N4(-MH)
874	QL140N(-MH)
875	QL200N4(-MH)
877	QL280N(-MH)
878	QSP420N

- Basic adjustable click style with resin grip
- Torque value easily set with external scale and knob

S.I. Model	Torque Range [N·m]		Metric Model	Torque Range [kgf·cm/kgf·m]		American Model	Torque Range [lbf·in/lbf·ft]		Overall Length [mm]	Square Drive [mm]	Weight [kg]
	Min.-Max.	Grad.		Min.-Max.	Grad.		Min.-Max.	Grad.			
QL	N·m	N·m		kgf·cm	kgf·cm		lbf·in	lbf·in			
QL2N	0.4-2	0.02	20QL	4-20	0.2	QL15I-2A	3-15	0.1	194		0.27
QL5N	1-5	0.05	50QL	10-50	0.5	QL30I-2A	6-30	0.2			
QL10N	2-10	0.1	100QL	20-100	1	QL50I-2A	10-50	0.5	219	6.35	0.29
QL15N	3-15		150QL	30-150		QL100I-2A	20-100	1			
QL25N5-1/4	5-25	0.2	225QL5-1/4	50-250	2.5	QL200I-2A	40-200	2.5	237		0.33
QL25N5			225QL5			QL200I-3A					
QL50N	10-50	0.5	450QL3	100-500	5	QL400I-3A	100-400	5	260		0.45
-	-	-	-	-	-	QL750I-3A	150-750	10		9.53	
QL100N4-3/8	20-100		900QL4-3/8	200-1000		QL75F-3A	15-75	1	335		0.69
QL100N4	20-100	1	900QL4	200-1000	10	-	-	-			
QL140N	30-140		1400QL3	300-1400		QL100F-4A	30-100	1	400		0.88
QL200N4	40-200		1800QL4	400-2000	20	QL150F-4A	30-150		490	12.7	1.4
				kgf·m	kgf·m						
QL280N-1/2	40-280	2	2800QL3-1/2	4-28		QL200F-4A	30-210	2	695		2.0
QL280N			2800QL3		0.2	-	-				
QL420N	60-420		4200QL2	6-42		QL300F-6A	60-300		995		3.4
QLE2	N·m	N·m		kgf·m	kgf·m		lbf·ft	lbf·ft		19.05	
QLE550N2	100-550		5500QLE2	10-55		QLE400F-6A	100-400		1189		4.3
QLE750N2	150-750	5	7500QLE2	15-75	0.5	QLE600F-6A	150-600	5	1342		5.6
QLE1000N2	200-1000		10000QLE2	20-100		QLE700F-8A	200-700		1515		7.7
QLE1400N2	300-1400	10	14000QLE2	30-140	1	QLE1000F-8A	300-1000	10	1787	25.4	11.1
QLE2100N2	500-2100		21000QLE2	50-210		QLE1500F-8A	500-1500		1895		14.6
QLE2800N2	800-2800	20	28000QLE2	80-280	2	QLE2000F-12A	600-2000	20	2405	38.1	23.7

Note

1. QL2N-QL25N5 are yellow/black resin grips. QL50N-QL280N are black resin grips.
2. QL420N and QLE550N2-QLE2800N2 are knurled handles.
3. Use a through-hole socket for square drive over 25.4mm.
4. QL2N, QL5N and the equivalent metric models, American models comes with ISO:6789-2003 cert.

QLLS RoHS

- QL style with Limit Switch output
- Wired Error-Proofing, Pokayoke, system for assembly processes



QLLS100N4

POKA Patrol, Count Checker
CNA-4mk3

Refer to page 27.



* Sold separately

QL-MH

Ratchet Head Type
Adjustable Torque
Wrench with Metal
Handle

Direction

RoHS



QL100N4-MH



QL5N-MH

Assembly

Adjustable

Ratchet Head

Graduation

ISO6789:2003
2017

- Knurled metal handle version of QL
- Ideal for oily working conditions

S.I. Model	Torque Range [N·m]		Metric Model	Torque Range [kgf·cm/kgf·m]		American Model	Torque Range [lbf·in]		Overall Length [mm]	Square Drive [mm]	Weight [kg]
	Min.-Max.	Grad.		Min.-Max.	Grad.		Min.-Max.	Grad.			
QL2N-MH	0.4-2.0	0.02	20QL-MH	4-20	0.2	QL15I-2A-MH	3-15	0.1	160		0.16
QL5N-MH	1-5	0.05	50QL-MH	10-50	0.5	QL30I-2A-MH	6-30	0.2		6.35	
QL10N-MH	2-10	0.1	100QL-MH	20-100	1	QL50I-2A-MH	10-50	0.5	195		0.19
QL15N-MH	3-15		150QL-MH	30-150		QL100I-2A-MH	20-100	1			
QL25N-MH	5-25	0.25	225QL-MH	50-250	2.5	-	-	-	230		0.25
QL50N-MH	10-50	0.5	450QL-MH	100-500	5	-	-	-	260		0.45
QL100N4-MH	20-100		900QL4-MH	200-1000		-	-	-	335		0.69
QL140N-MH	30-140	1	1400QL-MH	300-1400	10	-	-	-	400	12.7	0.88
QL200N4-MH	40-200		1800QL4-MH	400-2000	20	-	-	-	490		1.4
				kgf·m	kgf·m						
QL280N-MH	40-280	2	2800QL-MH	4-28	0.2	-	-	-	695	19.05	1.9

Note

1. QL2N-MH, QL5N-MH and the equivalent metric models, American models comes with ISO:6789-2003 cert.

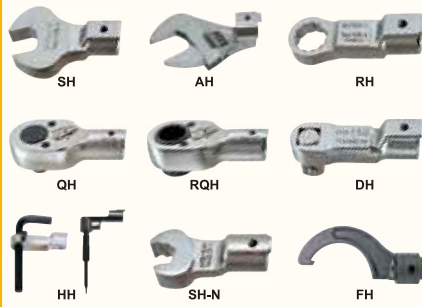
CL/CLE2

Interchangeable
Head Type
Adjustable
Torque Wrench

Direction



Interchangeable Head

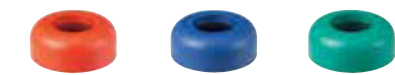


CL/CL-MH Optional Accessories



Carrying Case (P.49)

Part #	Applicable Model Dimension [mm]
842	CL50N×12D/15D, CL50N×12D/15D-MH, CL100N×15D-MH H60 × W400 × D70
843	CL140N×15D-MH, CL200N×19D-MH H60 × W520 × D80
846	CL200N×19D, CL200N×19D and below H170 × W500 × D100
847	CL280N×22D, CL280N×22D-MH and below H170 × W740 × D100



Color Cap

Part #	Color	Applicable Model
879	Red	CL2N×8D, CL5N×8D CL10N×8D, CL15N×8D CL25N5×10D
880	Blue	
881	Green	
882	Black	

CL-MH

Interchangeable
Head Type
Adjustable Torque
Wrench with Metal
Handle

Direction



Assembly

Adjustable

Interchangeable

Graduation

ISO6789:2003
2017

- Interchangeable Head can be easily exchanged.
- Torque value easily set with external scale and knob



											Accuracy ±3%	
Head Size	S.I. Model	Torque Range [N·m]		Metric Model	Torque Range [kgf·cm/kgf·m]		American Model	Torque Range [lbf-in/lbf-ft]		Overall Length [mm]	Weight [kg]	
		Min.-Max.	Grad.		Min.-Max.	Grad.		Min.-Max.	Grad.			
8D	CL	N·m	N·m	20CL	kgf·cm	kgf·m	CL15I×8D	lbf-in	lbf-in	174	0.24	
	CL2N×8D	0.4-2	0.02	50CL	4-20	0.2	CL30I×8D	3-15	0.1			
	CL5N×8D	1-5	0.05	100CL	10-50	0.5	CL30I×8D	6-30	0.2	199	0.26	
	CL10N×8D	2-10	0.1	150CL	20-100	1	CL50I×8D	10-50	0.5			
10D	CL15N×8D	3-15			30-150		CL100I×8D	20-100	1			
12D	CL25N5×10D	5-25	0.2	225CL5	50-250	2.5	CL200I×10D	40-200	2.5	216	0.3	
15D	CL50N×12D	10-50	0.5	450CL3	100-500	5	450CL3-A	100-400	5	230	0.37	
	CL50N×15D			500CL3			500CL3-A	100-450		235		
	CL100N×15D	20-100		900CL3	200-1000		900CL3-A	200-800	10	310	0.52	
		CL140N×15D	30-140	1	1400CL3	300-1400	10	1400CL3-A	30-100	1	370	0.67
19D	CL200N×19D	40-200		1800CL3	400-2000	20	1800CL3-A	30-150		455	1.2	
22D	CL280N×22D	40-280	2		kgf·m	kgf·m		lbf·ft	lbf·ft			
	CL420N×22D	60-420		2800CL3	4-28		2800CL3-A	30-200	2	655	1.8	
27D				4200CL2	6-42	0.2	4200CL2-A	60-300		940	3.1	
	CLE2	N·m	N·m		kgf·m	kgf·m		lbf·ft	lbf·ft			
	CLE550N2×27D	100-550	5	5500CLE2	10-55	0.5	CLE400F×27D	100-400	5	1148	3.9	
	CLE750N2×27D	150-750		7500CLE2	15-75		CLE550F×27D	150-550		1291	4.9	
CL850N2×32D	200-850	8500CLE2		20-85	CLE600F×32D		150-600	1297		5.1		
32D	CL1200N2×32D	300-1200		12000CLE2	30-120		CLE900F×32D	200-900		1464	6.9	

Note

- Overall length does not include interchangeable head. Interchangeable heads are optional.
- PH type interchangeable head/p.48 is not applicable.
- CL2N - CL25N5 are yellow/black resin grips. CL50N - CL280N are black resin grips.
- CL420N and CLE550N2-CLE1200N2 are knurled handles.
- CL2N×8D, CL5N×8D and the equivalent metric models, American models comes with ISO:6789-2003 cert.

CLLS RoHS

- CL style with Limit Switch output
- Wired Error-Proofing, Pokayoke, system for assembly processes

S.I. Model	Metric Model
CLMS2N×8D-MH	20CLMS-MH
CLMS5N×8D-MH	50CLMS-MH
CLMS10N×8D-MH	100CLMS-MH
CLMS10N×8D	100CLMS
CLMS15N×8D	150CLMS
CLMS15N×8D-MH	150CLMS-MH
CLLS25N5×10D	225CL5LS
CLLS50N×12D	450CL3LS
CLLS50N×15D	500CL3LS
CLLS100N×15D	900CL3LS
CLLS140N×15D	1400CL3LS
CLLS200N×19D	1800CL3LS
CLLS280N×22D	2800CL3LS
CLLS420N×22D	4200CL2LS

POKA Patrol, Count Checker
CNA-4mk3

Refer to page 27.



* Sold separately

Assembly

Adjustable

Interchangeable

Graduation

ISO6789:2003
2017

- Knurled metal handle version of CL
- Ideal for oily working conditions

											Accuracy ±3%	
Head Size	S.I. Model	Torque Range [N·m]		Metric Model	Torque Range [kgf·cm/kgf·m]		American Model	Torque Range [lbf·in]		Overall Length [mm]	Weight [kg]	
		Min.-Max.	Grad.		Min.-Max.	Grad.		Min.-Max.	Grad.			
8D	CL2N×8D-MH	0.4-2	0.02	20CL-MH	kgf·cm 4-20	kgf·cm 0.2	CL15I×8D-MH	lbf·in 3-15	lbf·in 0.1	140	0.13	
	CL5N×8D-MH	1-5	0.05	50CL-MH	10-50	0.5	CL30I×8D-MH	6-30	0.2			
	CL10N×8D-MH	2-10	0.1	100CL-MH	20-100	1	CL50I×8D-MH	10-50	0.5	175	0.16	
	CL15N×8D-MH	3-15		150CL-MH	30-150		CL100I×8D-MH	20-100	1			
10D	CL25N×10D-MH	5-25	0.25	225CL-MH	50-250	2.5	-	-	-	200	0.22	
12D	CL50N×12D-MH	10-50	0.5	450CL-MH	100-500	5	-	-	-	230	0.37	
	CL50N×15D-MH			500CL-MH			-	-	-	235		
15D	CL100N×15D-MH	20-100	1	900CL-MH	200-1000	10	-	-	-	310	0.52	
	CL140N×15D-MH	30-140		1400CL-MH	300-1400		-	-	-	370	0.67	
19D	CL200N×19D-MH	40-200	2	1800CL-MH	400-2000	20	-	-	-	455	1.2	
22D	CL280N×22D-MH	40-280		2800CL-MH	kgf·m 4-28	kgf·m 0.2	-	-	-	-	655	1.6

Note

- Overall length does not include interchangeable head.
- PH type interchangeable head/p.48 is not applicable.
- Interchangeable heads are optional.
- CL2N×8D-MH, CL5N×8D-MH and the equivalent metric models, American models comes with ISO:6789-2003 cert.

DQL/DQLE2

Direction



RoHS

Dual Square Drives
Type Adjustable Torque
Wrench

■ DQL200N4 Optional Accessories

Carrying Case (P.49)

Part #	Applicable Model Dimension [mm]	Weight [kg]
843	DQL200N4 H60 × W520 × D80	0.36
847	DQL280N and below H170 × W740 × D100	1.0

■ Protective Head Cover

		875
Part #	Applicable Model	
875	DQL200N4	

Assembly Adjustable Ratchet Head Graduation Bi-Directional ISO6789:2017

- For bi-directional tightening
- Ideal for tightening large vehicle tires



DQL200N4



DQLE750N2

S.I. Model	Torque Range [N·m]		Metric Model	Torque Range [kgf·cm/kgf·m]		American Model	Torque Range [lbf·ft]		Overall Length [mm]	Square Drive [mm]	Weight [kg]
	Min.-Max.	Grad.		Min.-Max.	Grad.		Min.-Max.	Grad.			
DQL DQL200N4	N·m 40-200	N·m	1800DQL4	kgf·cm 400-2000	kgf·cm 20	1800DQL4-A	30-150		490	12.7	1.4
DQL280N	40-280	2	2800DQL3	kgf·m 4-28	kgf·m 0.2	2800DQL3-A	30-200		695		2.0
DQLE2	N·m	N·m	5500DQLE2	kgf·m 10-55	kgf·m	DQLE400F-6A	100-400	lbf·ft	1189	19.0	4.4
DQLE550N2	100-550		7500DQLE2	15-75	0.5	DQLE600F-6A	150-600	5	1342		5.7
DQLE750N2	150-750	5	10000DQLE2	20-100		DQLE700F-8A	200-700		1515	25.4	7.9
DQLE1000N2	200-1000										

Accuracy ±3%

Note

1. DQL200N4 and DQL280N have resin grips.
2. For the model having 25.4mm square drive, use a through-hole socket.
3. DQLE550N2-DQLE1000N2 have knurled handles.
4. DQLE2 with built-in Adjusting Handle

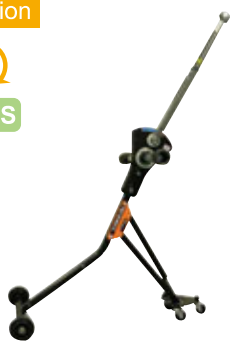
TW2

Adjustable Torque
Wrench with Multiplier

Direction



RoHS



TW750N2

Assembly Adjustable Ratchet Head Graduation Bi-Directional

- Easy bolt tightening for large vehicle tires

Model	Torque Range [N·m]		Square Drive [mm]	Weight [kg]	
	Min.-Max.	Grad.		Body	Torque Wrench
TW750N2	350-750				1.5
TW1000N2	400-1000	5	25.4	20	2.0

Accuracy ±5%

Note

1. TW2 is a set of dedicated torque wrench and stand. Standard torque wrench cannot be used.
2. Use through hole type socket for square drive 25.4mm.
3. Socket, pin, and O-ring are sold separately.
4. Applicable height of nut is between 255 and 790mm

Usage Example



MTQL

Torque Wrench for
Motorsports

Direction



RoHS



MTQL70N

■ MTQL Optional Accessories



842

846

Carrying Case (P.49)

Part #	Applicable Model Dimension [mm]	Weight [kg]
842	MTQL40N, MTQL70N H60 × W400 × D70	0.25
843	MTQL140N H60 × W520 × D80	0.36
846	MTQL140N and below H170 × W500 × D100	1.0

Assembly Adjustable Ratchet Head Graduation

- Wide capacity adjustable style
- Ideal for motorcycle & motorbike maintenance

S.I. Model	Torque Range [N·m]		Metric Model	Torque Range [kgf·m]		Overall Length [mm]	Square Drive [mm]	Weight [kg]
	Min.-Max.	Grad.		Min.-Max.	Grad.			
MTQL40N	5-40	0.5	400MTQL	0.5-4	0.05	250	9.5	0.45
MTQL70N	10-70		700MTQL	1-7		285		0.47
MTQL140N	20-140	1	1400MTQL	2-14	0.1	400	12.7	0.77

Accuracy ±5%

Standard Accessories Carrying case

TiQL/TiQLE

Direction

Titanium Type Adjustable Torque Wrench



RoHS



TiQL180N



TIEQLE750N

TiEQLE Optional Accessories



Adjusting Tool for TIEQLE (P.49)

Part #	Applicable Model
301	TIEQLE750N, 1400N

Assembly	Pre-Lock	Ratchet Head	Graduation	Titanium Material	ISO6789:2017
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- 50% lighter than standard wrenches
- Ideal for working overhead

S.I. Model	Torque Range [N·m]		Metric Model	Torque Range [kgf·cm/kgf·m]		Overall Length [mm]	Square Drive [mm]	Weight [kg]
	Min.-Max.	Grad.		Min.-Max.	Grad.			
TiQL								
TiQL180N	40-180	2	1800TiQL	kgf·cm	kgf·cm	494	12.7	0.9
TiQL180N			1800TiQL	400-1800	20	594		1.0
TIEQL360N	80-360		3600TIEQL	kgf·m	kgf·m	987	19.0	2.4
TIEQL360N			3600TIEQL	8-36	0.2			
TiQLE	N·m	N·m		kgf·m	kgf·m			
TIEQLE750N	100-750	5	7500TIEQLE	10-75	0.5	1365		4.5
TIEQLE1400N	200-1400	10	14000TIEQLE	20-140	1	1794	25.4	7.5

Note

For the model having 25.4mm square drive, use a through-hole socket.

Standard Accessories

1. Hex key and Color bands for TiQL180N, TiQL180N and TIEQL360N
2. Adjusting tool for TIEQLE750N, TIEQLE1400N

TiQLLS

RoHS

- TiQL style with Limit Switch output
- Wired Error-Proofing, Pokayoke, system for assembly processes

S.I. Model	Metric Model
TiQLLS180N	1800TiQLLS
TiQLLS180N	1800TiQLLS
TIEQLLS360N	3600TIEQLLS

POKA Patrol, Count Checker
CNA-4mk3

Refer to page 27.



* Sold separately

PHL/PHLE2

Direction

Pipe-Wrench Head Type Adjustable Torque Wrench



RoHS



PHL140N



PHLE850N2

Assembly	Adjustable	Graduation	Pipe-Wrench Head
----------	------------	------------	------------------

- Ideal for use with pipes and plumbing applications

Accuracy ±5%											
S.I. Model	Torque Range [N·m]		Metric Model	Torque Range [kgf·cm/kgf·m]		American Model	Torque Range [lbf·in/lbf·ft]		Grippable Pipe Dia. [mm]	Overall Length [mm]	Weight [kg]
	Min.-Max.	Grad.		Min.-Max.	Grad.		Min.-Max.	Grad.			
PHL PHL50N	10-50	0.5	500PHL3	kgf·cm 100-500	kgf·cm 5	450PHL3-A	lbf·in 100-400	lbf·in 5	13-38	316	1.46
PHL100N	20-100	1	900PHL3	200-1000	10	900PHL3-A	15-75	1		472	1.61
PHL140N	30-140		1400PHL3	400-1400		1400PHL3-A	30-100			530	1.76
PHL200N	40-200		1800PHL3	400-1800		20	1800PHL3-A			30-150	620
		2		kgf·m	kgf·m			2			
PHL280N	40-280		2800PHL3	4-28	0.2	2800PHL3-A	30-200	2	833	2.92	
PHL420N	60-420	3	4200PHL	6-42		4200PHL-A	60-300			1122	4.83
PHLE2	N·m	N·m		kgf·m	kgf·m		lbf·ft	lbf·ft	26-52		
PHLE850N2	200-850	5	8500PHLE2	20-85	0.5	PHLE600F	150-600	5		1664	8.2
PHLE1300N2	300-1300		13000PHLE2	30-130		PHLE900F	200-900			1831	10

Note

1. PHLE2 Models have extension bar handle.
2. PHL420N, PHLE850N2, and PHLE1300N2 have knurled handles.
3. PHLE2 with built-in Adjusting Handle

QRSP

Direction

Open Ring Head Type Preset Torque Wrench



RoHS



QRSP38N×17

Assembly	Preset	Open Ratchet Head	ISO6789:2017
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- Ring head opens to allow fitting on tubes or pipes.

Model	Torque Range		Overall Length [mm]	Weight [kg]
	[N·m]	[kgf·cm]		
QRSP38N×17	10-45	100-450	300	0.4
QRSP38N×19			305	
QRSP38N×21			310	
QRSP38N×24			310	0.43

Note

A torque wrench tester is necessary for torque setting. Specify required set torque when you order.
Ex. QRSP38N×17 × 25N·m

QRSPLS

RoHS

- QRSP style with Limit Switch output
- Wired Error-Proofing, Pokayoke, system for assembly processes

Model	Weight [kg]
QRSPLS38N×17	0.4
QRSPLS38N×19	
QRSPLS38N×21	
QRSPLS38N×24	0.43

POKA Patrol, Count Checker
CNA-4mk3

Refer to page 27.



* Sold separately

QRSP Optional Accessories

Thrusting Tool for QRSP (P.49)

Part #	Tool #	Applicable Model
312	A-3	QRSP38N

PQLRatchet Head Type
Pre-Lock Torque
Wrench

Direction



RoHS

■ PQL Optional Accessories



Carrying Case (P.49)

Part #	Applicable Model Dimension [mm]	Weight [kg]
842	50N-100N4 H60 × W400 × D70	0.25
843	140N-200N4 H60 × W520 × D80	0.36
846	200N and below H170 × W500 × D100	1.0
847	280N and below H170 × W740 × D100	0.36

PQL Protective Head Cover (P.49)

Assembly

Pre-Lock

Ratchet Head

Graduation

ISO6789:2017

- External scale, set by a hex key



PQL100N4

S.I. Model	Torque Range [N·m]		Metric Model	Torque Range [kgf·cm/kgf·m]		American Model	Torque Range [lbf·in/lbf·ft]		Overall Length [mm]	Square Drive [mm]	Weight [kg]
	Min.-Max.	Grad.		Min.-Max.	Grad.		Min.-Max.	Grad.			
PQL10N	2-10	0.1	100PQL	kgf·cm	kgf·cm	PQL50L-2A	lbf·in	lbf·ft	190	6.35	0.19
PQL15N	3-15		150PQL	20-100	1	PQL100L-2A	10-50	0.5			
PQL25N	5-25	0.25	225PQL	50-250	2.5	225PQL-A	40-200	2	215	9.53	0.25
PQL50N	10-50	0.5	450PQL	100-500	5	450PQL-A	100-400	5	260		0.40
PQL100N4	20-100	1	900PQL4	200-1000	10	900PQL4-A	lbf·ft	lbf·ft	320		0.65
PQL140N	30-140		1400PQL	300-1400		1400PQL-A	15-75	1	385	12.7	0.75
PQL200N4	40-200	2	1800PQL4	400-2000	20	1800PQL4-A	30-150	2	470		1.40
PQL280N	40-280		2800PQL	kgf·m	kgf·m	-	-	-	670		2.0
PQL420N	60-420		4200PQL	4-28	0.2	-	-	-	975	19.05	3.4

Accuracy ±3%

Standard Accessories Hex key for torque adjustment

PQLLS

RoHS

- PQL style with Limit Switch output
- Wired Error-Proofing, Pokayoke, system for assembly processes

Refer to page 28.

POKA Patrol, Count Checker
CNA-4mk3

Refer to page 27.

PQLZPre-Lock Adjustable
Insulated Torque
Wrench

Direction



PQLZ100N4

Assembly

Pre-Lock

Graduation

Vinyl Coating

Insulated

ISO6789:2017

- Insulated casing prevents electrical shocks.
- Specialized version of PQL

S.I. Model	Torque Range [N·m]		Metric Model	Torque Range [kgf·cm]		Overall Length [mm]	Square Drive [mm]	Weight [kg]
	Min.-Max.	Grad.		Min.-Max.	Grad.			
PQLZ25N	5-25	0.25	225PQLZ	50-225	2.5	227	9.5	0.28
PQLZ100N4	20-100	1	900PQLZ4	200-900	10	340	12.7	0.80

Accuracy ±3%

Standard Accessories Hex key for torque adjustment

QSPZPreset Insulated
Torque Wrench

Direction



QSPZ25N

Assembly

Preset

Vinyl Coating

Insulated

ISO6789:2017

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

Model	Torque Range			Overall Length [mm]	Square Drive [mm]	Weight [kg]
	[N·m]	[kgf·cm]	[lbf·in]			
QSPZ25N	5-25	50-250	50-200	227	9.5	0.28
QSPZ100N4	20-100	200-1000	100-750	334	12.7	0.8

Accuracy ±3%

Note

1. A torque wrench tester is necessary for torque adjustment. Specify required set torque when you order.
2. Adjusting tools for QSPZ are sold separately.
3. Sockets are sold separately. Refer to page 44.
4. Sockets are not insulation coating.

CLWPWater Proof and
Dust Free Torque
Wrench

Direction



RoHS



CLWP50NX12D



Assembly

Pre-Lock

Interchangeable

Water/Dust Proof

ISO6789:2017

- Waterproof and Dustproof torque wrench meets IP55/IP57 rating
- Washable torque wrench
- Anticorrosion coating

Head Size	Model	Torque Range [N·m]		Overall Length [mm]	Weight [kg]
		Min.-Max.	Grad.		
10D	CLWP15NX10D	5-15	0.25	220.5	0.3
	CLWP25NX10D	10-25			
12D	CLWP50NX12D	20-50	0.5	243	0.5
	CLWP100NX15D	40-100	1	333.5	0.7
	CLWP140NX15D	60-140		378.5	0.8
	CLWP200NX19D	80-200	2	457.5	1.4

Accuracy ±4%

■ CLWP Optional Accessories

CPQHCorrosion-resistant
interchangeable ratchet head

CPQH12D

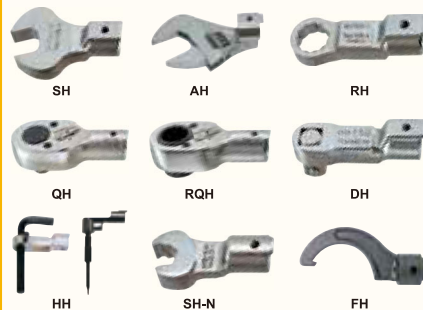
PCLInterchangeable Head
Type Pre-Lock Torque
Wrench

Direction



RoHS

Interchangeable Head



Assembly

Pre-Lock

Interchangeable

Graduation

ISO6789:2017

- Interchangeable head version of PQL
- External scale, set by a hex key



PCL100N×15D

Accuracy ±3%

Head Size	S.I. Model	Torque Range [N·m]		Metric Model	Torque Range [kgf·cm]		American Model	Torque Range [lbf·in/lbf·ft]		Overall Length [mm]	Weight [kg]
		Min.-Max.	Grad.		Min.-Max.	Grad.		Min.-Max.	Grad.		
8D	PCL10N×8D	2-10	0.1	100PCL	20-100	1	PCL50I×8D	10-50	0.5	170	0.16
	PCL15N×8D	3-15		150PCL	30-150		PCL100I×8D	20-100			
10D	PCL25N×10D	5-25	0.25	225PCL	50-250	2.5	225PCL-A	40-200	2	195	0.22
12D	PCL50N×12D	10-50	0.5	450PCL	100-500	5	450PCL-A	100-400	5	220	0.32
	PCL50N×15D			500PCL			500PCL-A	100-450		225	
15D	PCL100N×15D	20-100	1	900PCL	200-1000	10	900PCL-A	15-75	1	295	0.48
	PCL140N×15D	30-140		1400PCL	300-1400		1400PCL-A	30-100		355	
19D	PCL200N×19D	40-200	2	1800PCL	400-2000	20	1800PCL-A	30-150	2	435	1.3

Note

1. Overall length does not include interchangeable head.
2. PH type interchangeable head/p.48 is not applicable.
3. Interchangeable heads are optional.

Standard Accessories Hex key for torque adjustment

PCL Optional Accessories

Carrying Case (P.49)

PCLLS

RoHS

- PCL style with Limit Switch output
- Wired Error-Proofing, Pokayoke, system for assembly processes

Refer to page 28.

POKA Patrol, Count Checker
CNA-4mk3**MT70N**Moto Tork/Pre-Lock
Adjustable Specialty
Torque Wrench

Direction



RoHS



MT70N

Assembly

Pre-Lock

Interchangeable

Graduation

- Converts basic hand tools into torque wrenches
- Ideal for motorcycle maintenance

Accuracy ±5%

S.I. Model	Torque Range [N·m]		Metric Model	Torque Range [kgf·m]		Overall Length [mm]	Weight [kg]
	Min.-Max.	Grad.		Min.-Max.	Grad.		
MT70N	10-70	0.2	MT-7	1.0 -7.0	0.02	238	0.65

Note

1. Ring head wrench shown in the photo is not included.
2. Max. clamp width for interchangeable tool is approx. 15mm.
3. Min. interchangeable hex wrench key size is 5mm.
4. Tools such as spanner and ring spanner are not included.

Standard Accessories

1. Carrying case
2. Hex key wrench for torque adjustment

SCLEuropean Style
Interchangeable Head Type
Adjustable Torque Wrench

Direction



RoHS



SCL50N-9×12

Assembly

Pre-lock

Interchangeable

Graduation

ISO6789:2017

- DIN interchangeable head connection
- Same function of CL

Accuracy ±3%

S.I. Model	Torque Range [N·m]		Head Size [mm]	Overall Length [mm]	Weight [kg]
	Min.-Max.	Grad.			
SCL25N5-9×12	5-25	0.2	9×12	226	0.3
SCL50N-9×12	10-50	0.5		239	0.37
SCL100N-9×12	20-100	1		313	0.52
SCL200N-14×18	40-200	2	14×18	464	1.2

Note

1. Overall length does not include interchangeable head.
2. Applicable to European style interchangeable head only. Tohnichi's interchangeable heads are not available for SCL models.
3. SCL25N5-9 × 12N is a yellow/black resin grip.

SCSPEuropean Style
Interchangeable
Head Type Preset
Torque Wrench

Direction



RoHS



SCSP50N-9×12

Assembly

Interchangeable

Preset

ISO6789:2017

- DIN interchangeable head connection
- Same function of CSP

Accuracy ±3%

Model	Torque Range		Head Size [mm]	Overall Length [mm]	Weight [kg]
	[N·m]	[kgf·cm]			
SCSP25N-9×12	5-25	50-250	9×12	204	0.15
SCSP50N-9×12	10-50	100-500		230	0.3
SCSP100N-9×12	20-100	200-1000		302	0.45
SCSP200N-14×18	40-200	400-2000	14×18	434	1

Note

1. Overall length does not include interchangeable head.
2. Applicable to European style interchangeable head only. Tohnichi's interchangeable heads are not available for SCL models.

QSPRatchet Head Type
Preset Torque Wrench

Direction



Assembly

Preset

Ratchet Head

ISO6789:2003
2017

- No external scale, torque set by a torque wrench tester
- Ideal for mass production application



QSP100N4

Accuracy ±3%

■ QSP3/QSP-MH Optional Accessories

931
930

932

Adjusting Tool (P.49)

Part #	Applicable Model
931	QSP1.5N4-12N4, QSP25N3(-MH)
930	QSP50N3(-MH) ~ 420N3
932	QSP100N4(-MH), 200N4(-MH)



873

QSP Protective Head Cover (P.49)

Part #	Applicable model
870	QSP1.5N4 - 12N4
871	QSP25N3(-MH)
872	QSP50N3(MH)
873	QSP100N4(-MH)
874	QSP140N3(-MH)
875	QSP200N4
877	QSP280N3
878	QSP420N3

Note

1. Adjusting tools are sold separately.
2. A torque wrench tester is necessary for torque setting. Specify required set torque when you order.
Ex. QSP100N4 × 80N·m
3. QSP200N4-QSP420N have knurled handles.
4. QSP1.5N4 and QSP3N4 are issued ISO:6789-2003 certificate when request initial torque setting.

QSPLS

- QSP style with Limit Switch output
- Wired Error-Proofing, Pokayoke, system for assembly processes

Refer to page 28.

POKA Patrol, Count Checker
CNA-4mk3

* Sold separately

Refer to page 27.

QSP-MHRatchet Head
Type Preset
Torque Wrench
with Metal Handle

Direction



QSP100N4-MH

Assembly

Preset

Ratchet Head

ISO6789:2017

- Knurled metal handle version of QSP
- Ideal for oily working conditions

Accuracy ±3%

Model	Torque Range			Overall Length [mm]	Square Drive [mm]	Weight [kg]
	[N·m] Min.-Max.	[kgf·cm/kgf·m] Min.-Max.	[lbf·in] Min.-Max.			
QSP25N3-MH	5-25	50-250	45-221	215	9.5	0.25
QSP50N3-MH	10-50	100-500	89-442	240		0.4
QSP100N4-MH	20-100	200-1000	177-885	315	12.7	0.65
QSP140N3-MH	30-140	300-1400	266-1238	380		0.7

Note

1. A torque wrench tester is necessary for torque adjustment. Specify required set torque when you order.
Ex. QSP100N4-MH × 80N·m
2. Adjusting tools for QSP-MH are sold separately.
3. Sockets are sold separately. Refer to page 44.

BQSPBi-Directional Type
Preset Torque Wrench

Direction



BQSP70N

■ BQSP Optional Accessories

931
930

314

Adjusting Tool (P.49)

Part #	Applicable Model
931	BQSP10N-20N
930	BQSP40-300N
314	BQSP400N

Assembly

Preset

Ratchet Head

Bi-Directional

ISO6789:2017

- Click for both CW & CCW applications
- Same function of QSP

Accuracy ±3%

Model	Torque Range			Overall Length [mm]	Square Drive [mm]	Weight [kg]	Adjusting Tool Part #
	[N·m] Min.-Max.	[kgf·cm/kgf·m] Min.-Max.	[lbf·in] Min.-Max.				
BQSP10N	5-10	50-100	44.3-88.5	213.5	6.35	0.2	931
BQSP20N	10-20	100-200	88.5-177				
BQSP40N	20-40	200-400	177-354	240	9.53	0.4	930
BQSP70N	35-70	350-700	310-619	314		0.63	
BQSP120N	60-120	600-1200	531-1061	380	12.7	0.73	
BQSP220N	110-220	1100-2200	974-1946	462		1.3	
BQSP300N	150-300	15-30	1328-2654	665	19.05	2.4	314
BQSP400N	200-420	20-42	1770-3716	970.5		3.7	

Note

1. BQSP10N-300N have resin grips.
2. BQSP400N has a knurled handle.
3. Adjusting tool is sold separately.
4. Sockets are sold separately. Refer to page 44.

CSPInterchangeable Head
Type Preset Torque
Wrench

Direction



RoHS

Interchangeable Head



■ CSP Optional Accessories



Adjusting Tool (P.49)

Part #	Applicable Model
931	CSP1.5N4-12N4, 25N3-MH
930	CSP50N3-MH ~ 420N3
932	

Assembly

Preset

Interchangeable

ISO6789:2003
2017

- Interchangeable head version of QSP
- No external scale, torque set by a torque wrench tester



CSP2N×6D



CSP100N3×15D

Accuracy ±3%

Head Size	Model	Torque Range			Overall Length [mm]	Weight [kg]
		[N·m]	[kgf·cm/kgf·m]	[lbf·in]		
		Min.-Max.	Min.-Max.	Min.-Max.		
6D	NEW CSP2N×6D	0.4-2	4-20	3.5-17.7	133	0.06
	NEW CSP5N×6D	1-5	10-50	8.8-44.2	130	
8D	CSP1.5N4×8D	0.3-1.5	3-15	2.7-13.2	165	0.2
	CSP3N4×8D	0.6-3	6-30	5.3-26.5		
	CSP6N4×8D	1-6	10-60	8.9-53.0		
	CSP12N4×8D	2-12	20-120	17.7-106		
10D	CSP25N3×10D	5-25	50-250	45-221	195	
12D	CSP50N3×12D	10-50	100-500	89-442	215	0.3
	CSP50N3×15D				220	
15D	CSP100N3×15D	20-100	200-1000	177-885	290	0.45
	CSP140N3×15D	30-140	300-1400	266-1238	350	0.55
19D	CSP200N3×19D	40-200	400-2000	354-1769	430	1.0
22D			kgf·m			
	CSP280N3×22D	40-280	4-28	354-2477	625	1.4
	CSP420N3×22D	60-420	6-42	531-3716	920	2.7

Note

1. Overall length does not include interchangeable head.
2. Adjusting tools are sold separately.
3. Interchangeable heads are optional.
4. A torque wrench tester is necessary for torque setting. Specify required set torque when you order.
Ex. CSP100N3×15D × 80N·m
5. CSP200N3×19D-CSP420N×22D have knurled handles.
6. CSP1.5N4x8D and CSP3N4x8D are issued ISO:6789-2003 certificate when request initial torque setting.

CSPLS

- CSP style with Limit Switch output
- Wired Error-Proofing, Pokayoke, system for assembly processes

CSP-MHInterchangeable Head Type
Preset Torque Wrench with
Metal Handle

Direction



RoHS



CSP100N3×15D-MH

Assembly

Interchangeable

Preset

ISO6789:2017

- Knurled metal handle version of CSP
- Ideal for oily working conditions

Accuracy ±3%

Model	Torque Range			Overall Length [mm]	Weight [kg]
	[N·m]	[kgf·cm]	[lbf·in]		
	Min.-Max.	Min.-Max.	Min.-Max.		
CSP25N3×10D-MH	5-25	50-250	45-221	195	0.2
CSP50N3×12D-MH	10-50	100-500	89-442	215	0.3
CSP50N3×15D-MH				220	
CSP100N3×15D-MH	20-100	200-1000	177-885	290	0.45
CSP140N3×15D-MH	30-140	300-1400	266-1238	350	0.55

1. A torque wrench tester is necessary for torque adjustment. Specify required set torque when you order.
Ex. CSP100N3×15D-MH × 80N·m
2. Adjusting tools for CSP-MH are sold separately.
3. Interchangeable heads are optional.

BCSPBi-Directional
Interchangeable Head
Type Preset Torque
Wrench

Direction



RoHS



BCSP70N×15D

Assembly

Preset

Interchangeable

Bi-Directional

ISO6789:2017

- Click for both CW & CCW applications
- Same function of CSP

Accuracy ±3%

Head Size	Model	Torque Range			Overall Length [mm]	Effective Length [mm]	Weight [kg]	Adjusting Tool Part #
		[N·m]	[kgf·cm/kgf·m]	[lbf·in]				
		Min.-Max.	Min.-Max.	Min.-Max.				
8D	BCSP10N×8D	5-10	50-100	44.3-88.5	189.5	176	0.2	931
10D	BCSP20N×10D	10-20	100-200	88.5-177	192.5	186		
12D	BCSP40N×12D	20-40	200-400	177-354	214	208	0.23	
	BCSP70N×12D	35-70	350-700	310-619	286	280		
15D	BCSP70N×15D				290	291	0.57	930
	BCSP120N×15D	60-120	600-1200	531-1061	348.5	349.5		
19D	BCSP220N×19D	110-220	1100-2200	974-1946	427	445	1.2	
22D			kgf·m					
	BCSP300N×22D	150-300	15-30	1328-2654	625	660	2	
	BCSP400N×22D	200-420	20-42	1770-3716	918	950	3.7	314

Note

1. Overall length does not include interchangeable head. Interchangeable heads are optional.
2. BCSP10N-300N have resin grips.
3. BCSP400N has a knurled handle.
4. Adjusting tool is sold separately.

■ BCSP Optional Accessories

Adjusting Tool (P.49)

Part #	Applicable Model
931	BCSP10N-20N
930	BCSP40N-300N
314	BCSP400N



SP·SP2/-MH RSP2/-MH

Direction



RoHS

Open End/
Ring Head
Type Preset
Torque
Wrench

Assembly

Preset

Open End Spanner

Ring Head

ISO6789:2003
2017

- Various sizes of open end or ring heads fixed on wrench
- Ideal for specific bolt size application



SP38N2×27

RSP38N2×17



SP19N2×10-MH *Made to order product

RSP120N2-MH *Made to order product

Accuracy ±3%

Model (Body Size × Width)		Torque Range		Head Dimension O.W. × Thickness [mm]	Overall Length [mm]	Weight [kg]
SP2	SP2-MH	[N·m] Min.-Max.	[kgf·cm] Min.-Max.			
SP2N2×5.5	-	0.4-2	4-20	17 × 5	168	0.15
SP2N2×7	-			18 × 5	169	
SP2N2×8	-			19 × 5	171	
SP2N2×10	-			21 × 5	173	
SP2N2×12	-			23 × 5	175	
SP2N2×13	-			24 × 5	176	
SP2N2×17	-			27 × 5	180	
SP2N2×19	-			28 × 8	180	
SP8N2×7	-			18 × 5	169	
SP8N2×8	-			19 × 5	171	
SP8N2×9	-	1.5-8	15-80	20 × 5	172	0.15
SP8N2×10	-			21 × 5	173	
SP8N2×12	-			23 × 5	175	
SP8N2×13	-			24 × 5	176	
SP8N2×19	-			28 × 8	180	
SP8N2×24	-			33 × 8	186	
SP8N2×27	-			36 × 8	189	
SP19N2×10	SP19N2×10-MH			27 × 6.5	202 (202)	0.21
SP19N2×11	SP19N2×11-MH				203 (204)	
SP19N2×12	SP19N2×12-MH			30 × 6.5	204 (204)	
SP19N2×13	SP19N2×13-MH				204 (205)	
SP19N2×14	SP19N2×14-MH				204 (205)	
SP19N2×17	SP19N2×17-MH	3.5-19	35-190	31 × 8	208 (208)	
SP19N2×19	SP19N2×19-MH			33 × 8	209 (210)	
SP19N2×21	SP19N2×21-MH			35 × 8	211 (212)	
SP19N2-1×10	SP19N2-1×10-MH			24 × 12	205 (205)	
SP19N2-2×10	SP19N2-2×10-MH			24 × 20	204 (204)	
SP19N2-3×10	SP19N2-3×10-MH			24 × 15	205 (205)	
SP38N2×8	SP38N2×8-MH				220 (220)	0.37
SP38N2×9	SP38N2×9-MH			31 × 8	222 (221)	
SP38N2×10	SP38N2×10-MH				222 (222)	
SP38N2×11	SP38N2×11-MH				223 (223)	
SP38N2×12	SP38N2×12-MH			35 × 8	225 (225)	
SP38N2×13	SP38N2×13-MH				226 (226)	
SP38N2×14	SP38N2×14-MH				230 (230)	
SP38N2×16	SP38N2×16-MH			38 × 8	231 (231)	
SP38N2×17	SP38N2×17-MH				234 (234)	
SP38N2×19	SP38N2×19-MH			41 × 8	236 (236)	
SP38N2×22	SP38N2×22-MH	8-38	80-380	43 × 8	240 (239)	0.48
SP38N2×24	SP38N2×24-MH			45 × 8	221 (221)	
SP38N2×27	SP38N2×27-MH			25 × 20	223 (223)	
SP38N2-1×10	SP38N2-1×10-MH			24 × 15	221 (221)	
SP38N2-2×10	SP38N2-2×10-MH				285 (284)	
SP38N2-3×10	SP38N2-3×10-MH			35 × 10	287 (286)	
SP67N2×14	SP67N2×14-MH			37 × 10	288 (287)	
SP67N2×16	SP67N2×16-MH			38 × 10	289 (287)	
SP67N2×17	SP67N2×17-MH			39 × 10	290 (289)	
SP67N2×18	SP67N2×18-MH			40 × 10	292 (291)	
SP67N2×19	SP67N2×19-MH	13-67	130-670	42 × 10	293 (292)	0.48
SP67N2×21	SP67N2×21-MH			43 × 10	299 (298)	
SP67N2×22	SP67N2×22-MH			44 × 11	303 (301)	
SP67N2×24	SP67N2×24-MH			47 × 11	304 (303)	
SP67N2×27	SP67N2×27-MH			49 × 11	305 (304)	
SP67N2×29	SP67N2×29-MH			50 × 11	307 (306)	
SP67N2×30	SP67N2×30-MH			52 × 11	308 (307)	
SP67N2×32	SP67N2×32-MH			42 × 10	360 (359)	
SP67N2×33.3	SP67N2×33.3-MH			45 × 10	362 (361)	
SP120N2×14	SP120N2×14-MH			46 × 10	364 (364)	
SP120N2×17	SP120N2×17-MH	24-120	240-1200	47 × 10	365 (364)	0.75
SP120N2×18	SP120N2×18-MH				368 (367)	
SP120N2×19	SP120N2×19-MH			50 × 10	368 (367)	
SP120N2×21	SP120N2×21-MH				369 (368)	
SP120N2×22	SP120N2×22-MH			51 × 11	370 (369)	
SP120N2×23	SP120N2×23-MH			53 × 12	373 (373)	
SP120N2×24	SP120N2×24-MH			55 × 14	373 (373)	
SP120N2×27	SP120N2×27-MH			50 × 10		
SP120N2×30	SP120N2×30-MH			51 × 12	368 (367)	
SP160N2×19	SP160N2×19-MH	30-160	300-1600	52 × 12	369 (369)	0.75
SP160N2×21	SP160N2×21-MH			53 × 12	373 (373)	
SP160N2×22	SP160N2×22-MH			55 × 12	373 (373)	
SP160N2×24	SP160N2×24-MH			70 × 14	386 (386)	
SP160N2×26	SP160N2×26-MH					
SP160N2×27	SP160N2×27-MH					
SP160N2×41	SP160N2×41-MH					

Accuracy ±3%

Model (Body Size × Width)		Torque Range		Head Dimension O.W. × Thickness [mm]	Overall Length [mm]	Weight [kg]
SP/SP2	SP2-MH	[N·m] Min.-Max.	[kgf·cm] Min.-Max.			
SP220N2×19	SP220N2×19-MH	45-220	450-2200	53×13	448 (447)	1.3
SP220N2×22	SP220N2×22-MH			56×13	451 (450)	
SP220N2×24	SP220N2×24-MH			58×13	453 (452)	
SP220N2×27	SP220N2×27-MH			61×13	456 (455)	
SP220N2×29	SP220N2×29-MH			63×13	458 (458)	
SP220N2×30	SP220N2×30-MH			65×13	460 (460)	
SP220N2×32	SP220N2×32-MH			67×15	463 (463)	
SP220N2×36	SP220N2×36-MH			72×15	468 (467)	
SP310N2×22	SP310N2×22-MH			60×14	647 (646)	
SP310N2×24	SP310N2×24-MH			62×14	648 (647)	
SP310N2×27	SP310N2×27-MH	65-310	650-3100	65×14	651 (650)	1.8
SP310N2×30	SP310N2×30-MH			68×14	654 (653)	
SP310N2×32	SP310N2×32-MH			70×14	655 (654)	
SP310N2×41	SP310N2×41-MH			80×15	670 (670)	
SP310N2×46	SP310N2×46-MH			85×15	671 (671)	
SP420N×27	-					
SP420N×30	-					
SP420N×32	-					
SP420N×34	-	90-420	900-4200	78×18	840	3.3
SP420N×35	-					
SP420N×36	-					
SP560N×30	-			81×19	995	
SP560N×32	-			83×19	1000	
SP560N×36	-			87×19	1005	
SP560N×46	-			97×19	1010	
SP560N×55	-			104×19	1010	

Accuracy ±3%

Model (Body Size × Width)		Torque Range		Head Dimension O.W. × Thickness [mm]	Overall Length [mm]	Weight [kg]
RSP2	RSP2-MH	[N·m] Min.-Max.	[kgf·cm] Min.-Max.			
RSP8N2×8	-	2-9	20-90	15×6	200	0.15
RSP8N2×10	-			17.5×7	205	
RSP19N2×8	RSP19N2×8-MH	4-14.1	40-141	15×6	220 (220)	0.2
RSP19N2×10	RSP19N2×10-MH			17.5×7	221 (221)	
RSP19N2×13	RSP19N2×13-MH	4-21	40-210	22×7	223 (223)	0.35
RSP38N2×10	RSP38N2×10-MH			17.5×7	244 (244)	
RSP38N2×12	RSP38N2×12-MH	9-29.5	90-295	20.5×8	247 (247)	0.45
RSP38N2×13	RSP38N2×13-MH			21.5×8	246 (246)	
RSP38N2×14	RSP38N2×14-MH	9-42	90-420	23.5×9	247 (247)	0.8
RSP38N2×16	RSP38N2×16-MH			26×9	248 (248)	
RSP38N2×17	RSP38N2×17-MH	14-59	140-590	27.5×9	312 (311)	0.9
RSP67N2×14	RSP67N2×14-MH			25×10	313 (312)	
RSP67N2×16	RSP67N2×16-MH	14-73	140-730	27×10	313 (312)	0.8
RSP67N2×17	RSP67N2×17-MH			29×12	314 (313)	
RSP67N2×18	RSP67N2×18-MH	24-100	250-1000	29.5×12	315 (314)	0.9
RSP67N2×19	RSP67N2×19-MH			30×12	393 (393)	
RSP120N2×17	RSP120N2×17-MH	24-120	250-1270	30.6×12	394 (393)	0.9
RSP120N2×18	RSP120N2×18-MH			31.8×13	394 (394)	
RSP120N2×19	RSP120N2×19-MH	30-160	320-1700	34×13	396 (396)	1.5
RSP120N2×21	RSP120N2×21-MH			35×13	396 (396)	
RSP160N2×19	RSP160N2×19-MH	45-220	480-2300	32.8×13	395 (394)	2
RSP160N2×21	RSP160N2×21-MH			34×13	396 (395)	
RSP160N2×22	RSP160N2×22-MH	65-255	680-2550	35×13	396 (396)	2
RSP160N2×24	RSP160N2×24-MH			38×15	398 (397)	
RSP220N2×22	RSP220N2×22-MH	65-310	680-3200	38.4×13	480 (479)	1.5
RSP220N2×24	RSP220N2×24-MH			40×13	481 (480)	
RSP220N2×27	RSP220N2×27-MH	65-310	680-3200	45×13	483 (482)	2
RSP310N2×24	RSP310N2×24-MH			41.8×15	678 (678)	
RSP310N2×27	RSP310N2×27-MH	65-310	680-3200	45×15	680 (680)	2
RSP310N2×30	RSP310N2×30-MH			50×15	682 (681)	

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SP2-H Torque Wrench for Piping Work

Direction

RoHS



SP38N2×19H



Assembly Preset Open End Spanner ISO6789:2017

- Made with smaller outside width to work in narrow spaces, including hydraulic piping, where current open-end type is unable to access.
- Aligned with appropriate inner widths commonly used for hydraulic piping applications.

Accuracy ±3%

Model (Body Size × Width)	Torque Range		Minimum Piping Pitch [mm]	Head Dimension (O.W. × Thickness) [mm]	Overall Length [mm]	Weight [kg]	Adjusting Tool Part #
	[N·m]	[kgf·cm]					
SP2-H	Min.-Max.	Min.-Max.					
SP38N2×14H	8-25	80-250	26	26.3×8	220	0.37	930
SP38N2×19H	8-39	80-390	35	33.1×8	224	0.48	
SP67N2×27H	13-67	130-670	46	43.6×11	294	0.75	
SP120N2×32H-MH	24-120	240-1200	54	51.6×14	363	0.75	

- Note**
1. Minimum piping pitch is required.
 2. A torque wrench tester is necessary for torque setting. Specify required set torque when you order.
Ex. SP38N2×14H × 25N·m
 3. SP120N2×32H-MH is a knurled handle. Others are resin handles.

Adjusting Tool (P.49) * Sold separately

Part #	Applicable Model
930	SP38N2-H, SP67N2-H, SP120N2×32H-MH

SP2-N/-MH

Direction

RoHS

Notched Head Type
Preset Torque Wrench

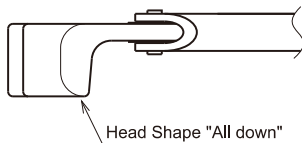
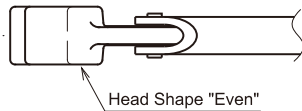


SP19N2-1×10N



SP19N2-1×10N-MH

*Made to order product



Assembly Preset Notched Head ISO6789:2017

- Notch creates speed in tightening process.
- Ideal for brake lines

Accuracy ±3%

Model (Body Size × Width)		Torque Range		Head Dimension		Overall Length [mm]	Weight [kg]	Adjusting Tool Part #
		[N·m]	[kgf·cm]	O.W. × Thickness	Head Shape			
SP2-N	SP2-N-MH	Min.-Max.	Min.-Max.	[mm]				
SP19N2-1×10N	SP19N2-1×10N-MH	3.5-19	35-190	24×12	Even	203	0.21	931
SP19N2-3×10N	SP19N2-3×10N-MH			24×15				
SP19N2-4×10N	SP19N2-4×10N-MH			24×10				
SP19N2-5×10N	SP19N2-5×10N-MH			24×15	All down			
SP19N2-9×10N	SP19N2-9×10N-MH			24×10				
SP38N2×14N	SP38N2×14N-MH	8-38	80-380	35×8	Even	224	0.37	930

- Note**
1. A torque wrench tester is necessary for torque setting. Specify required set torque when you order.
Ex. SP19N2-1×10N × 15N·m
 2. Adjusting tool for SP19N2-N/-MH is 931 and for SP38N2-N/-MH is 930.
 3. SP2-N-MH models are made to order products.

SPLS2-N/-MH

- SP-N style with Limit Switch output
- Wired Error-Proofing, Pokayoke, system for assembly processes

Accuracy ±3%

Model (Body Size × Width)		Torque Range		Head Dimension		Overall Length [mm]	Weight [kg]	Adjusting Tool Part #
		[N·m]	[kgf·cm]	O.W. × Thickness	Head Shape			
SPLS2-N	SPLS2-N-MH	Min.-Max.	Min.-Max.	[mm]				
SPLS19N2-1×10N	SPLS19N2-1×10N-MH	3.5-19	35-190	24×12	Even	203	0.36	931
SPLS19N2-3×10N	SPLS19N2-3×10N-MH			24×15				
SPLS19N2-4×10N	SPLS19N2-4×10N-MH			24×10	All down			
SPLS19N2-5×10N	SPLS19N2-5×10N-MH			24×15				
SPLS19N2-8×10N	SPLS19N2-8×10N-MH			24×12				
SPLS19N2-9×10N	SPLS19N2-9×10N-MH			24×10	Even			
SPLS38N2X14N	SPLS38N2X14N-MH	8-38	80-380	35×8		224	0.52	930

- Note**
1. The curl cord length of SPLS19N2-8×10N is about 5m in full extension.
Others are extended to about 2m in full extension.
 2. Adjusting tool for SPLS19N2-N/-MH is 931 and for SPLS38N2-N/-MH is 930.
 3. SPLS2-N-MH models are made to order products.

NSP100CNx8

Break-Over Torque Wrench

Direction

RoHS



NSP100CN×8

Assembly Preset Open End Spanner Break-Over ISO6789:2003

- Ideal for SMA connector tightening
- 90 degree of "breaking" upon reaching the set torque to reduce the possibility of over-torque

Accuracy ±5%

Model (Body Size × Width)	Torque Range		Head Dimension [mm]	Overall Length [mm]	Weight [kg]
	[cN·m]	Min.-Max.			
NSP100CN×8		50-100	16×4	128	0.33

- Note** A torque wrench tester is necessary for torque setting. Specify required set torque when you order.

■ NSP Optional Accessories

