

QL/QL-E2

Ratchet Head
Type Adjustable
Torque Wrench

Assembly

Adjustable

Ratchet Head

Graduation

ISO6789:2003
2017

Direction

RoHS



QL5N



QLE750N2



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			lbf·ft	lbf·ft	335		0.69
QL100N4	20-100	1	900QL4	200-1000	10	QL75F-3A	15-75	-			
QL140N	30-140		1400QL3	300-1400							
QL200N4	40-200		1800QL4	400-2000	20	QL100F-4A	30-100	1	400		0.88
				kgf·m	kgf·m	QL150F-4A	30-150		490	12.7	1.4
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		QL400F-6A	100-400		1189		4.3
QLE750N2	150-750	5	7500QLE2	15-75	0.5	QL600F-6A	150-600	5	1342		5.6
QLE1000N2	200-1000		10000QLE2	20-100		QL700F-8A	200-700		1515		7.7
QLE1400N2	300-1400	10	14000QLE2	30-140	1	QL1000F-8A	300-1000	10	1787	25.4	11.1
QLE2100N2	500-2100		21000QLE2	50-210		QL1500F-8A	500-1500		1895		14.6
QLE2800N2	800-2800	20	28000QLE2	80-280	2	QL2000F-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

S.I. Model	Metric Model
QLMS2N-MH	20QLMS-MH
QLMS5N-MH	50QLMS-MH
QLMS10N-MH	100QLMS-MH
QLMS10N	100QLMS
QLMS15N	150QLMS
QLMS15N-MH	150QLMS-MH
QLLS25N5	225QL5LS
QLLS50N	450QL3LS
QLLS100N4	900QL4LS
QLLS140N	1400QL3LS
QLLS200N4	1800QL4LS
QLLS280N	2800QL3LS
QLLS420N	4200QL2LS

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			
QL10N-MH	2-10	0.1	100QL-MH	20-100	1	QL50I-2A-MH	10-50	0.5	195	6.35	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.

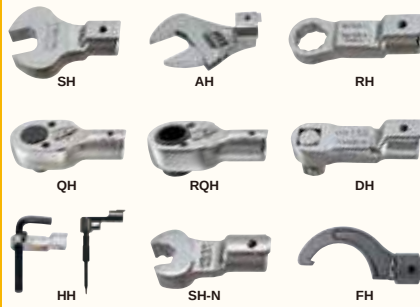
CL/CLE2

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 CL25N×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·cm	CL15×8D	lbf·in	lbf·in	174	0.24	
	CL2N×8D	0.4-2	0.02	50CL	4-20	0.2	CL30×8D	3-15	0.1			
	CL5N×8D	1-5	0.05	50CL	10-50	0.5	CL30×8D	6-30	0.2	199	0.26	
	CL10N×8D	2-10	0.1	100CL	20-100	1	CL50×8D	10-50	0.5			
	CL15N×8D	3-15		150CL	30-150		CL100×8D	20-100	1			
10D	CL25N×10D	5-25	0.2	225CL5	50-250	2.5	CL200×10D	40-200	2.5	216	0.3	
12D	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		
15D	CL100N×15D	20-100	1	900CL3	200-1000	10	900CL3-A	200-800	10	310	0.52	
	CL140N×15D	30-140		1400CL3	300-1400		1400CL3-A	30-100	lbf·ft	lbf·ft	1	370
19D	CL200N×19D	40-200	2	1800CL3	400-2000	20	1800CL3-A	30-150	2	455	1.2	
22D	CL280N×22D	40-280		kgf·m	kgf·m	2800CL3-A	30-200	2		655	1.8	
	CL420N×22D	60-420		4200CL2	6-42	0.2	4200CL2-A			60-300	940	3.1
27D	CLE2	N·m		N·m	5500CLE2	10-55	kgf·m	CLE400F×27D		100-400	lbf·ft	lbf·ft
	CLE750N2×27D	100-550	5	7500CLE2	15-75	0.5	CLE550F×27D	150-550	5	1291	4.9	
	CLE850N2×32D	150-750		8500CLE2	20-85		CLE600F×32D	150-600		1297	5.1	
32D	CLE1200N2×32D	200-850		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.			
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		kgf·m	kgf·m		lbf·ft	lbf·ft		19.0	
DQLE550N2	100-550		5500DQLE2	10-55		DQLE400F-6A	100-400		1189		4.4
DQLE750N2	150-750	5	7500DQLE2	15-75	0.5	DQLE600F-6A	150-600	5	1342		5.7
DQLE1000N2	200-1000		10000DQLE2	20-100		DQLE700F-8A	200-700		1515	25.4	7.9

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

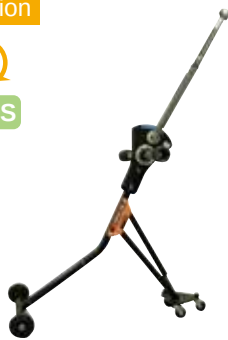
TW2

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	1	700MTQL	1-7		285		0.47
MTQL140N	20-140		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



TiQLE750N

TiQLE Optional Accessories



Adjusting Tool for TiQLE (P.49)

Part #	Applicable Model
301	TiQLE750N, 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			1800TiQLL	400-1800	20	594		1.0
TiQL360N	80-360		3600TiQL	kgf·m	kgf·m	987	19.0	2.4
TiQL			8-36	0.2				
TiQLE	N·m	N·m		kgf·m	kgf·m			
TiQLE750N	100-750	5	7500TiQLE	10-75	0.5	1365		4.5
TiQLE1400N	200-1400	10	14000TiQLE	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 TiQL360N
2. Adjusting tool for TiQLE750N, TiQLE1400N

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
TiQLLS360N	3600TiQLLS

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
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- 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				kgf·cm	kgf·cm		lbf·in	lbf·in				
PHL50N	10-50	0.5	500PHL3	100-500	5	450PHL3-A	100-400	5		316	1.46	
							lbf·ft	lbf·ft				
PHL100N	20-100	1	900PHL3	200-1000	10	900PHL3-A	15-75	1	13-38	472	1.61	
PHL140N	30-140		1400PHL3	400-1400		1400PHL3-A	30-100			530	1.76	
PHL200N	40-200	2	1800PHL3	400-1800	20	1800PHL3-A	30-150	2		620	2.3	
				kgf·m	kgf·m		lbf·ft					
PHL280N	40-280	3	2800PHL3	4-28	0.2	2800PHL3-A	30-200			833	2.92	
PHL420N	60-420		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]		
	Min.-Max.	Min.-Max.		
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 20-100	kgf·cm	PQL50L-2A	lbf·in 10-50	lbf·in 0.5	190	6.35	0.19
PQL15N	3-15		150PQL	30-150	1	PQL100L-2A	20-100	1			
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		
PQL100N4	20-100	1	900PQL4	200-1000	10	900PQL4-A	lbf·ft 15-75	lbf·ft 1	320	12.7	0.65
PQL140N	30-140		1400PQL	300-1400	20	1400PQL-A	30-100	2	385		
PQL200N4	40-200	2	1800PQL4	400-2000	20	1800PQL4-A	30-150	2	470	19.05	1.40
PQL280N	40-280		2800PQL	4-28	0.2	-	-	-	670		
PQL420N	60-420		4200PQL	6-42		-	-	-	975		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

Preset 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
15D	CLWP200NX19D	80-200	2	457.5	1.4

Accuracy ±4%

■ CLWP Optional Accessories

CPQHCorrosion-resistant
interchangeable ratchet head

CPQH12D