

QL/QL

Ratchet Head
Type Adjustable
Torque Wrench

Assembly

Adjustable

Ratchet Head

Graduation

RoHS

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

Direction



QL Optional Accessories



Carrying Case (P.38)

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

QLE Optional Accessories



Adjusting Tool for QLE (P.38)

Part #	Applicable Model
301	QLE550N-2100N

Accuracy ±3%

S.I. Model	Torque Range [cN-m]		Metric Model	Torque Range [kgf-cm/kgf-m]		American Model	Torque Range [lbf-in/lbf-ft]		Overall Length [mm]	Square Drive [mm]	Weight [g]
	Min.-Max.	Grad.		Min.-Max.	Grad.		Min.-Max.	Grad.			
QL1.5N4	0.3-1.5	0.01	15QL4	3-15	0.1	15QL4-A	3-15	0.1	160	6.35	0.16
QL3N4	0.6-3	0.02	30QL4	6-30	0.2	30QL4-A	6-30	0.2			
QL6N4	1-6	0.05	60QL4	10-60	0.5	QL501-2A	10-50	0.5			
QL12N4	2-12	0.1	120QL4	20-120	1	QL1001-2A	20-100	1	195		0.19
QL25N	5-25	0.25	225QL3	50-250	2.5	QL2001-3A	50-200	2.5			
QL50N	10-50	0.5	450QL3	100-500	5	QL4001-3A	100-400	5	230	260	0.45
-	-	-	-	-	-	QL7501-3A	150-750	10			
-	-	-	-	-	-	-	lbf-ft	lbf-ft	335		0.69
-	-	-	-	-	-	QL75F-3A	15-75	1			
QL100N4	20-100	1	900QL4	200-1000	10	-	-	-	400	12.7	0.88
QL140N	30-140		1400QL3	300-1400		QL100F-4A	30-100	1			
QL200N4	40-200		1800QL4	400-2000		QL150F-4A	30-150	2			
QL280N	40-280	2	2800QL3	4-28	0.2	-	-	-	695	19.05	2.0
QL420N	60-420		4200QL2	6-42		QL300F-6A	60-300	2			
QLE550N	100-550	5	5500QLE	10-55	0.5	QL400F-6A	100-400	1	1195	7.1	5.1
QLE750N	100-750		7500QLE	10-75		QL600F-6A	100-600	5			
QLE1000N	100-1000		10000QLE	10-100		QL700F-8A	100-700	1540			
QLE1400N	200-1400	10	14000QLE	20-140	1	QL1000F-8A	150-1000	10	1795	25.4	13.1
QLE2100N	500-2100		21000QLE	50-210		2	QL1500F-8A	600-1500			

- Note**
1. QL1.5N4-QL12N4, QL420N, QLE550N-QLE2100N have knurled handles.
 2. QL25N-QL280N have resin grips.
 3. For the model having 25.4mm square drive, use a through-hole socket.

Standard Accessories Adjusting tool (for QLE550N-QLE2100N)

QLLS RoHS

- QL style with Limit Switch output
- Ideal for torque verification (Pokayoke) assembly processes



POKA Patrol (Count Checker)
CNA-4mk2



* Sold separately

S.I. Model	Metric Model
QLMS12N4	120QL4MS
QLLS25N	225QL3LS
QLLS50N	450QL3LS
QLLS100N4	900QL4LS
QLLS140N	1400QL3LS
QLLS200N4	1800QL4LS
QLLS280N	2800QL4LS
QLLS420N	4200QL2LS

QL-MH

Ratchet Head Type
Adjustable Torque
Wrench with Metal
Handle

Direction



QL-MH Optional Accessories

Carrying Case (P.38)

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

Assembly

Adjustable

Ratchet Head

Graduation

RoHS

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

Accuracy ±3%

S.I. Model	Torque Range [N-m]		Metric Model	Torque Range [kgf-cm/kgf-m]		Overall Length [mm]	Square Drive [mm]	Weight [g]
	Min.-Max.	Grad.		Min.-Max.	Grad.			
QL25N-MH	5-25	0.25	225QL-MH	50-250	2.5	230	9.5	0.25
QL50N-MH	10-50	0.5	450QL-MH	100-500	5	260		
QL100N4-MH	20-100	1	900QL4-MH	200-1000	10	335		
QL140N-MH	30-140		1400QL-MH	300-1400		400	12.7	0.79
QL200N4-MH	40-200		1800QL4-MH	400-2000		490		
QL280N-MH	40-280	2	2800QL-MH	4-28	0.2	695	19.0	1.9