

# QL/QLE

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



Accuracy ±3%

## 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

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 [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	QL50I-2A	10-50	0.5	195		0.19
QL12N4	2-12	0.1	120QL4	20-120	1	QL100I-2A	20-100	1			
QL25N	5-25	0.25	225QL3	50-250	2.5	QL200I-3A	50-200	2.5	230		0.25
QL50N	10-50	0.5	450QL3	100-500	5	QL400I-3A	100-400	5			
-	-	-	-	-	-	QL750I-3A	150-750	10	9.53		0.45
-	-	-	-	-	-	-	lbf·ft	lbf·ft			
-	-	-	-	-	-	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	12.7	0.88
QL200N4	40-200		1800QL4	400-2000	20	QL150F-4A	30-150	2			
QL280N	40-280	2	2800QL3	4-28	kgf·m	-	-	-	695	19.05	2.0
QL420N	60-420		4200QL2	6-42	0.2	QL300F-6A	60-300	2			
QLE550N	100-550		5500QLE	10-55		QL400F-6A	100-400		1195		5.1
QLE750N	100-750	5	7500QLE	10-75	0.5	QL600F-6A	100-600	5			
QLE1000N	100-1000		10000QLE	10-100		QL700F-8A	100-700		1540		7.1
QLE1400N	200-1400	10	14000QLE	20-140	1	QL1000F-8A	150-1000	10			
QLE2100N	500-2100	20	21000QLE	50-210	2	QL1500F-8A	600-1500	20	1795	25.4	13.1

- 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)

## QLE Optional Accessories



Adjusting Tool for QLE (P.38)

Part #	Applicable Model
301	QLE550N-2100N

## QLLS RoHS

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

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



POKA Patrol (Count Checker) CNA-4mk2



\* Sold separately

## QL-MH

Ratchet Head Type Adjustable Torque Wrench with Metal Handle

Assembly Adjustable Ratchet Head Graduation RoHS

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

Direction



QL100N4-MH

## 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

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			
QL100N4-MH	20-100	1	900QL4-MH	200-1000	10	335	12.7	0.69
QL140N-MH	30-140		1400QL-MH	300-1400				
QL200N4-MH	40-200	2	1800QL4-MH	400-2000	20	490		1.4
QL280N-MH	40-280		2800QL-MH	4-28				