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Torque Wrench

QL / QLE Adjustable Click Type Torque Wrench

DIRECTION

RoHS ASSEMBLY ADJUSTABLE RATCHET HEAD TORQUE GRADUATION

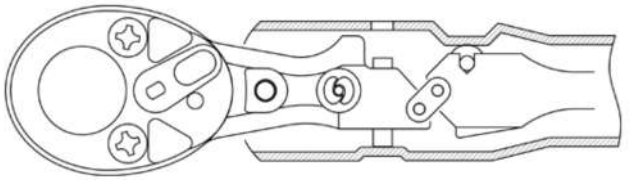
Features

- Adjustable type torque wrenches ideal for variety of tightening torque applications
- Easily change torque setting by using adjusting knob and scale
- A clear "click" is sensed and heard to signal tightening completion upon reaching the set torque.
- The ratchet head has 24 teeth with a 15 degree operating range, allowing for use in space-limited working conditions.
- Larger models QLE550N2 to QLE2800N2 models, with extension handle, feature a "never-lost" built-in torque adjustment handle making torque changes easy
- Smaller range QL2N to QL25N5 models have a yellow and black grip with a large, clear hi contrast built-in scale with pull and twist set knob.
    - Optional color bands can be added to indicate tool used for specific job or setting
- QL50N to QL280N models have a black resin grip featuring wing nut locker and adjusting knob
- QL420N has a knurled metal handle as standard.
    - See QL-MH models for other ranges with metal handles, ideal for securing grip in more oily environments
- Applicable for international use including the EU region. Compliant with calibration procedures of ISO 6789 Type II Class A.

QL10N [Overall length 218.5 mm]

Color Caps / QL25N5 Scale

QL420N [Overall length 995 mm]



Torque wrench "clicks" at set torque (internal view)

Specifications

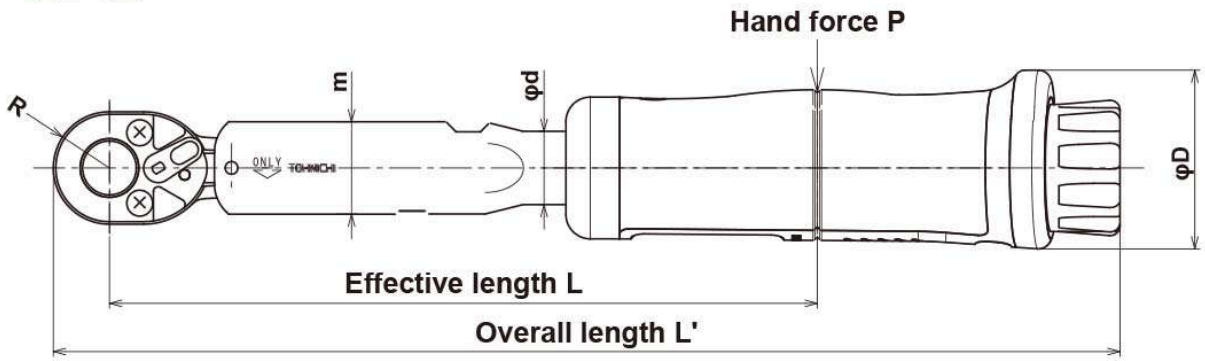
Accuracy ±3%								
S.I. MODEL			**QL2N**	**QL5N**	**QL10N**	**QL15N**	**QL25N5-1/4**	**QL25N5**
TORQUE RANGE [N・m]	**MIN. ～ MAX.**		0.4～2	1 ～5	2～10	3～15	5～25	
	GRAD.		0.02	0.05	0.1		0.2	
METRIC MODEL			**20QL**	**50QL**	**100QL**	**150QL**	**225QL5-1/4**	**225QL5**
TORQUE RANGE [Kgf・cm]	**MIN. ～ MAX.**		4～20	10～50	20～100	30～150	50～250	
	GRAD.		0.2	0.5	1		2.5	
AMERICAN MODEL			**QL15I-2A**	**QL30I-2A**	**QL50I-2A**	**QL100I-2A**	**QL200I-2A**	**QL200I-3A**
TORQUE RANGE [lbf・in]	**MIN. ～ MAX.**		3～15	6～30	10～50	20～100	50～200	
	GRAD.		0.1	0.2	0.5	1	2.5	
APPLICABLE BOLT	**COMMON STEEL**		M4	M5,M6	(M7)	M8		
	HIGH TENSION		(M3.5)	(M4.5)	M6	(M6) M7	(M7)	
MAX. HAND FORCE [N]			16.5	41.3	69	103.4	154.3	
DIMENSION [mm]	**EFFECTIVE LENGTH**	**L**	121		145		162	
	OVERALL LENGTH	**L'**	193.5		218.5		237	
	SQ. DRIVE	**a**	6.35mm (1/4in.)					9.53mm (3/8in.)
		b	7.5					11
	HEAD	**R**	11.5				13	
		h	17.5				18.5	22
	BODY	**m**	19					
		n	9.2					
		d	15					
		D	37					
Handle Style			Two Toned Yellow/Black Resin					
Optional Carrying Case			N/A					
WEIGHT [kg]			0.27		0.29		0.33	

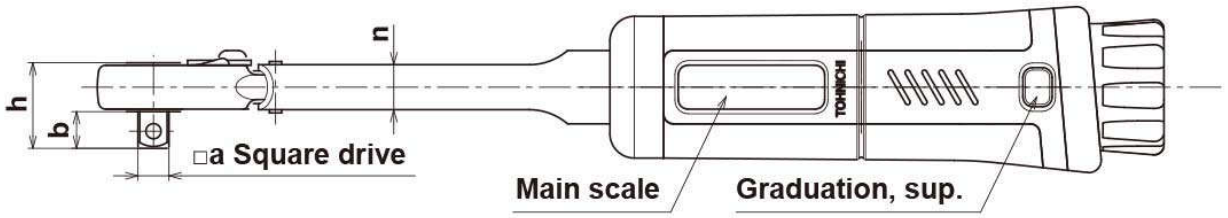
Accuracy ±3%												
S.I. MODEL			**QL50N**	**QL100N4-3/8**	**-**	**QL100N4**	**QL140N**	**QL200N4**	**QL280N-1/2**	**QL280N**	**QL420N**	
TORQUE RANGE [N・m]	**MIN. ～ MAX.**		10～50	20～100	-	20～100	30～140	40～200	40～280		60～420	
	GRAD.		0.5	1				2				
METRIC MODEL			**450QL3**	**900QL4-3/8**	**-**	**900QL4**	**1400QL3**	**1800QL4**	**2800QL3-1/2**	**2800QL3**	**4200QL2**	
TORQUE RANGE [Kgf・cm/Kgf・m]	**MIN. ～ MAX.**		kgf・cm 100～500	200～1000	-	200～1000	300～1400	400～2000	kgf・m 4～28		6～42	
	GRAD.		kgf・cm 5	10				20	kgf・m 0.2			
AMERICAN MODEL			**QL400I-3A**	**QL750I-3A**	**QL75F-3A**	**-**	**QL100F-4A**	**QL150F-4A**	**QL200F-4A**	**-**	**QL300F-6A**	
TORQUE RANGE [lbf・in/lbf・ft]	**MIN. ～ MAX.**		lbf・in 100～400	150～750	lbf・ft 15～75	-	30～100	30～150	30～200	-	60～300	
	GRAD.		lbf・in 5	10	lbf・ft 1			2				
APPLICABLE BOLT	**COMMON STEEL**		M10	M12(M14)			M16	(M18)	M20		(M22)	
	HIGH TENSION		M8	M10			M12	(M14)	M16		(M18)	
MAX. HAND FORCE [N]			278	392			440	500	467			
DIMENSION [mm]	**EFFECTIVE LENGTH**	**L**	180	255			318	400	600		900	
	OVERALL LENGTH	**L'**	260	335			400	490	695		995	
	SQ. DRIVE	**a**	9.53 (3/8 in.)			12.7 (1/2in)				19.05 (3/4in.)		
		b	11			14		15.4		20.5		
	HEAD	**R**	16	17			18.8	20	22.5			
		h	25.6	29		32	33.5	38.4	39.9	44.5	46.5	
	BODY	**m**	25.5	28				35			38.6	
		n	11.2	12.2				15			16.1	
		d	20	21.7				27.2			30	
		D	38.5	40				51.5			45	
Handle Style			Black Resin								Knurled Metal	
Optional Carrying Case Size			#842	#846			#843 and #847	#847			N/A	
WEIGHT [kg]			0.45	0.69			0.88	1.4	2		3.4	

Accuracy ±3%								
S.I. MODEL			**QLE550N2**	**QLE750N2**	**QLE1000N2**	**QLE1400N2**	**QLE2100N2**	**QLE2800N2**
TORQUE RANGE [N・m]	**MIN. ～ MAX.**		100 ～ 550	150 ～ 750	200 ～ 1000	300 ～ 1400	500 ～ 2100	800 ～ 2800
	GRAD.		5			10		20
METRIC MODEL			**5500QLE2**	**7500QLE2**	**10000QLE2**	**14000QLE2**	**21000QLE2**	**28000QLE2**
TORQUE RANGE [Kgf・m]	**MIN. ～ MAX.**		10 ～ 55	15 ～ 75	20 ～ 100	30 ～ 140	50 ～ 210	80 ～ 280
	GRAD.		0.5			1		2
AMERICAN MODEL			**QLE400F-6A**	**QLE600F-6A**	**QLE700F-8A**	**QLE1000F-8A**	**QLE1500F-8A**	**QLE2000F-12A**
TORQUE RANGE [lbf・ft]	**MIN. ～ MAX.**		100 ～ 400	150 ～ 600	200 ～ 700	300 ～ 1000	500 ～ 1500	600 ～ 2000
	GRAD.		5			10		20
APPLICABLE BOLT	**COMMON STEEL**		M24	(M27)	M30	(M33)	M36	(M39)M42
	HIGH TENSION		M20	(M22)	M24	(M27)	M30	(M33)
MAX. HAND FORCE [N]			500	600	714.3	848.5	1200	1250
DIMENSION [mm]	**EFFECTIVE LENGTH**	**L**	1100	1250	1400	1650	1750	2240
	OVERALL LENGTH	**L'**	1189	1342	1515	1787	1899	2405
	SQ. DRIVE	**a**	19.05 (3/4 in.)		25.4 (1 in.)			38.1 (1-1/2in)
		b	20.5	21.5	26.5		28.5	42
	HEAD	**R**	29	32	35	37	44	50
		h	49	52	60	69	73	93
	BODY	**m**	42	44	52	58	66	79
		n	18		20	24	25.5	31
		d	33	34	40	45	51	60
		D	27.2	30		40		45
		ℓ0	843	900	983	971	1103	1190
		ℓ1	60		80	100	105	115
		ℓ2	426	524	625	921	911	1326
Handle Style			Knurled Metal with Press Lock Extension Handle					
Optional Carrying Case Size			N/A					
WEIGHT [kg]			4.3	5.6	7.7	11.1	14.6	23.7

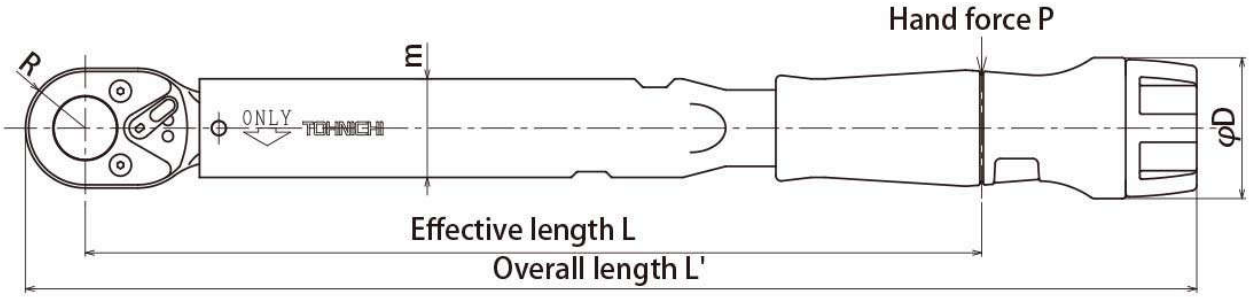
Dimensions

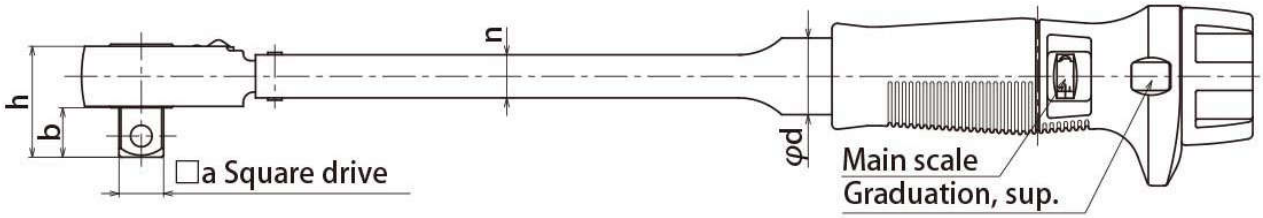
QL2N～25N



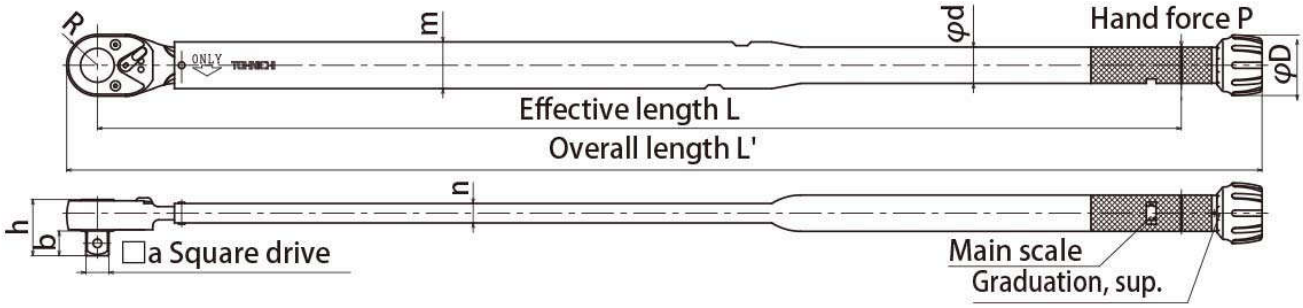


QL2N～25N5

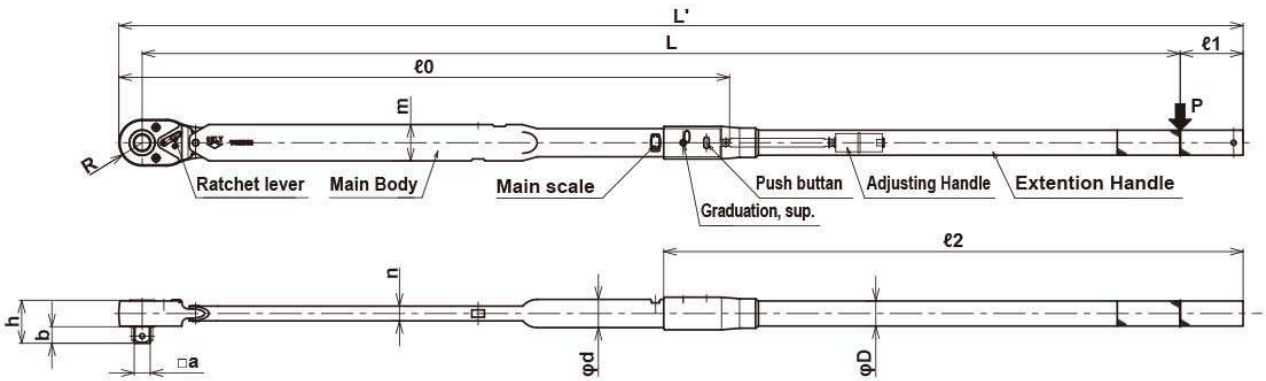




QL50N～280N



QL420N



QLE5502N2～2800N2

Accessories

Sockets

Carrying Case