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Home / Products / Torque Wrench / Torque Verification Wrench / MQSP-MPQL-MQL

Torque Wrench

MQSP / MPQL / MQL Torque Verification Wrench

DIRECTION 

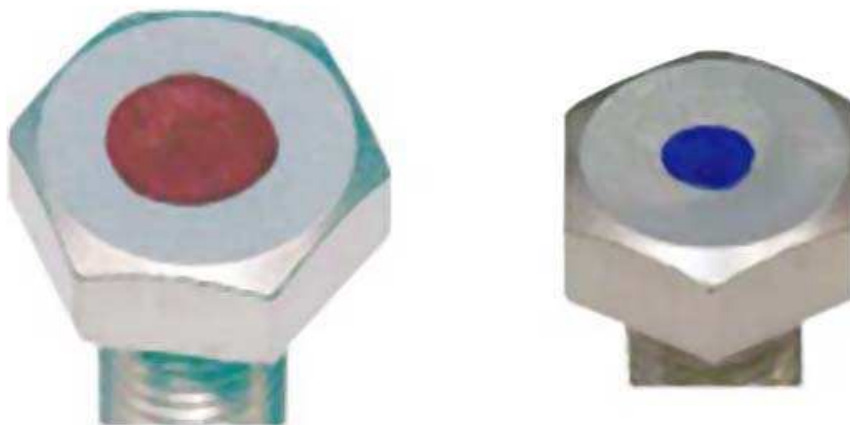
 RoHS PREVENTS HUMAN TIGHTENING ERRORS (POKAYOKE) PRESET ADJUSTABLE / PRE-LOCK RATCHET HEAD
TORQUE GRADUATION QUICK DRYING INK

Features

- Pokayoke (error-proofing) marking torque wrench. Lets you make direct visual checks for bolt tightening errors.
- When the torque wrench is activated the bolt head is marked.
- Oversight preventable by quick visual check on the bolts.
- Marking is not done until set torque is achieved.
- Marking stays on by use of quick dry ink.
- Extending the socket with the extension bar permits tightening and marking in deeply inset places.
- Ink cartridges are easy to install inside specialized socket.
- Only hand force required for tightening a bolt and marking the bolt simultaneously.
- One refill of ink is capable of approximately 6,000 times of stamping.
- Height of the stamp is adjustable (± 5 mm).
- Applicable for international use including the EU region.
- Compliant with ISO 6789 Type II Class B calibration procedures.



MPQL100N4 [Overall length 320 mm]



Marked bolts (red $\phi 9$ & blue $\phi 5$)



Marking torque wrench "MQSPFD/MQSPFDD" equipped with the FD/FDD transmitter, with which you can ensure in a later process or even after shipment that tightening was correctly performed; can be custom-made after receiving an order.

Specifications

Accuracy $\pm 3\%$

Accuracy ±3%							
MODEL			MQSP50N	MQSP100N	MQSP140N	MQSP200N	
TORQUE RANGE [N・m]		MIN. ~ MAX.	10~50	20~100	30~140	40~200	
TORQUE RANGE [kgf・cm]		MIN. ~ MAX.	100~500	200~1000	400~1400	400~2000	
TORQUE RANGE [lbf・in]		MIN. ~ MAX.	100~400	100~750	300~1000	350~1600	
MAX.HAND FORCE [N]			281	398	444	500	
DIMENSION [mm]	EFFECTIVE LENGTH		L	178	251	315	400
	OVERALL LENGTH		L'	240	315	380	465
	HEAD		R	16	17	18.8	20
			H1	40.6	43	45.1	46
	BODY		ℓ1	121	153		183
			A	41			40.6
			D	34			27
			ℓ2	89	107		75
			B	4			
WEIGHT[kg]			0.7	1	1.1	1.8	

Accuracy ±3%								
S.I. MODEL			MPQL50N	MPQL100N4	MPQL140N	MPQL200N4	MPQL280N	
TORQUE RANGE [N·m]	MIN. ~ MAX.		10~50	20~100	30~140	40~200	40~280	
	GRAD.		0.5	1		2		
METRIC MODEL			450MPQL	900MPQL4	1400MPQL	1800MPQL4	2800MPQL3	
TORQUE RANGE[kgf· cm/kgf·m]	MIN. ~ MAX.		kgf·cm 100~500	200~1000	400~1400	400~2000	kgf·m 4~28	
	GRAD.		kgf·cm 5	10		20	kgf·m 0.2	
AMERICAN MODEL			450MPQL-A	900MPQL4-A	1400MPQL-A	1800MPQL4-A	2800MPQL3-A	
TORQUE RANGE[lbf· in/lbf·ft]	MIN. ~ MAX.		lbf·in 100~400	lbf·ft 15~75	30~100	30~130	60~300	
	GRAD.		lbf·in 5	lbf·ft 1		2	3	
MAX.HAND FORCE [N]			274	388	443	500	467	
DIMENSION [mm]	EFFECTIVE LENGTH		L	183	252	316	397.5	600
	OVERALL LENGTH		L'	246	320	385	418	692
	HEAD		R	16	17	18.75	20	22.5
			H1	40.6	43	45.1	46	48.5
	BODY	Ø1	121	153		183		
		A	41			40.6	45.2	
		D	36	37.7		44.2	51.5	
		Ø2	95	100				-
		B	4					-
WEIGHT [kg]			0.7	1	1.1	1.8	2.6	

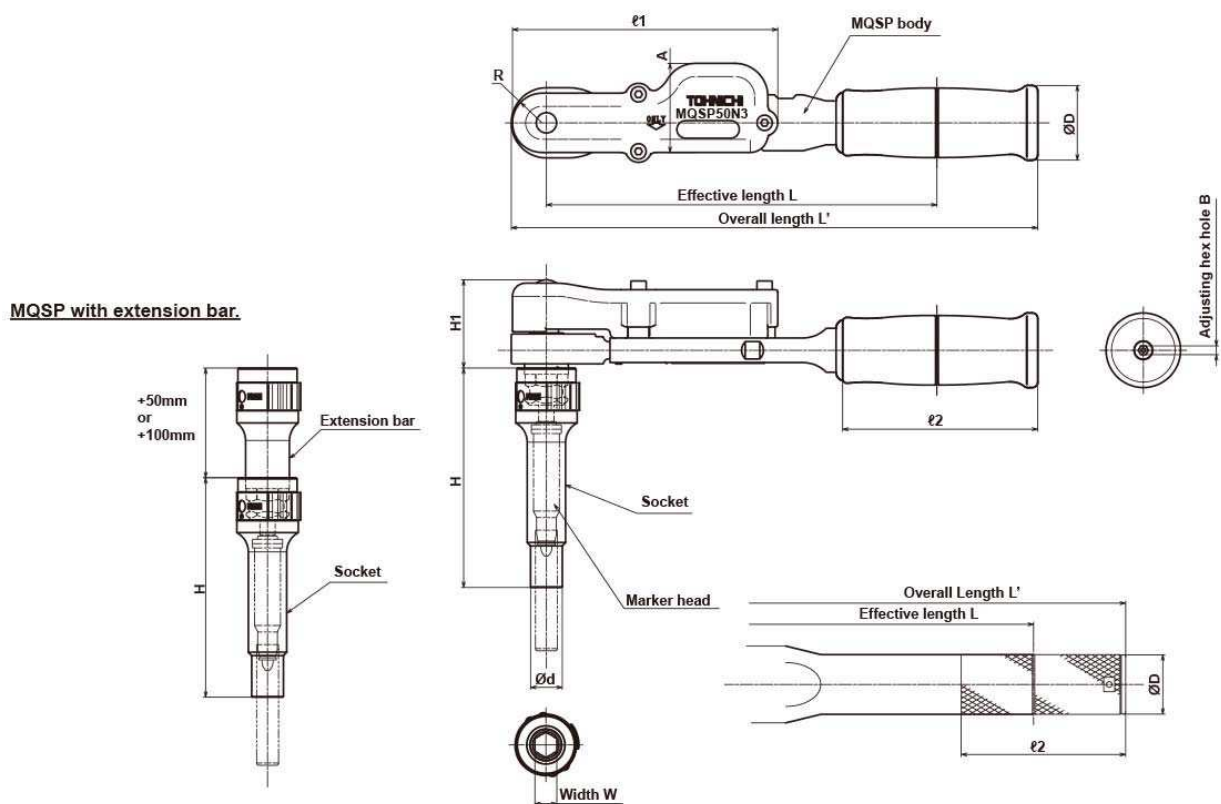
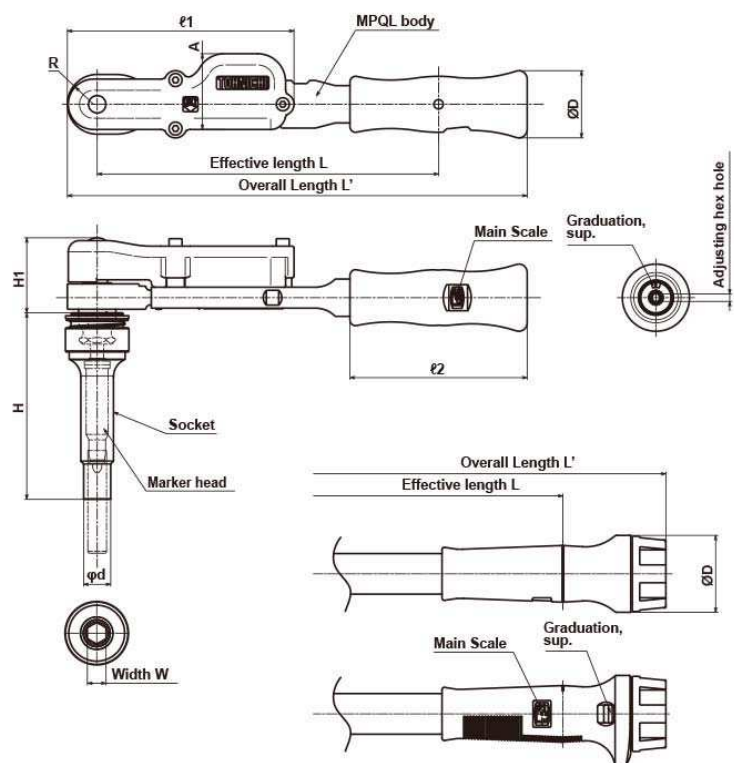
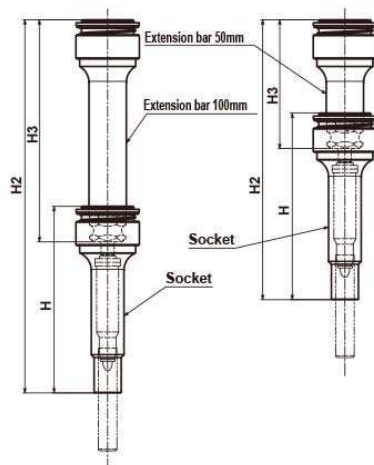
Notes

When ordering a torque wrench, be sure to specify the socket width that matches your bolt size, and purchase together with the torque wrench.

Standard accessories

MPQL standard accessory: Hex key for torque adjustments

Dimensions

**MQSP****MPQL/MQL with extension bar.****MPQL50N~200N4**

Accessories



Ink Refills



**Adjusting Tools For
QSP3**