

> Bolting Systems®

HIGH CYCLE HYDRAULIC TORQUE WRENCH

UP TO 71,816 NM @ 700 BAR (53,000 LBFT @ 10,000 PSI)

Designed for high cycle quality
and lower cost of ownership



The TWHC's designed long-stroke mechanism imparts a 30 degree nut rotation per stroke while maintaining a tight and compact nose radius: this is a clear advantage over the short stroke and backup pawl mechanisms of light-alloy competitive models. Fewer parts and reduced torsion in operation equals reduced wear, maintenance, and associated costs.

Enhanced Usability

- Compact nose radius allows the tool to fit in tighter, hard-to-reach spaces
- Low weight, high strength design
- Fast operation, long stroke and optimum flow
- Multi-direction high flow swivel manifold, with threaded couplers for maximum flow performance
- Tool free square drive reversal and Reaction Arm positioning

Designed with Safety in Mind

- Fully enclosed drive mechanism for operator safety
- Swivel manifold internal relief valve prevents retract side over-pressurization
- Fine tooth pawl prevents tool 'lock-on'

Quality means Lower Life-Cycle Costs

- Designed for high cycle life: 2-3x more than existing technology
- Increased reliability: Simple drive assembly means less downtime
- Corrosion resistant material for use in harsh environments including offshore and subsea

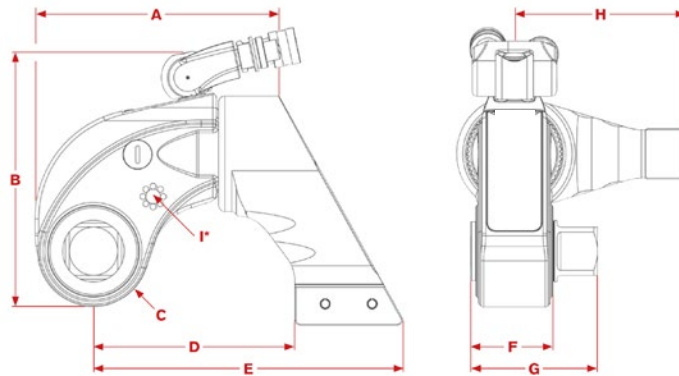


SPXFLOW®

Specifications and Dimensional Data

Model	Min Torque		Max Torque		Sq. Drive	A	B	C	D	E	F	G	H	I	Weight	
	lb-ft	Nm	lb-ft	Nm	In	Millimeters (Inches)										Kg
TWHC1	170	230	1413	1915	3/4	132 (5.20)	145 (5.71)	28 (1.10)	111.5 (4.39)	170.0 (6.69)	39.5 (1.56)	67.7 (2.67)	86.1 (3.39)	M6 X 1.0	2.8	6.2
TWHC3	376	510	3136	4249	1	165 (6.50)	173.5 (6.83)	36.5 (1.44)	129.6 (5.10)	197.7 (7.78)	53 (2.09)	83.7 (3.30)	105.1 (4.14)	M6 X 1.0	5.3	11.7
TWHC6	726	982	6050	8198	1½	192 (7.56)	201.6 (7.94)	44 (1.73)	158.5 (6.24)	243.7 (9.59)	61 (2.40)	99.9 (3.93)	135.1 (5.32)	M8 X 1.25	8.8	19.4
TWHC11	1336	1811	11134	15095	1½	231 (9.09)	233 (9.18)	53 (2.07)	186 (7.34)	300 (11.81)	86 (3.39)	130 (5.12)	207 (8.16)	M8 X 1.25	15.9	34.9
TWHC20	2439	3305	20325	27541	2½	280 (11.01)	310 (12.21)	64 (2.52)	220 (8.65)	364 (14.34)	94 (3.68)	155 (6.10)	212 (8.35)	M12 X 1.75	27.5	60.8
TWHC35	3890	5271	32418	43927	2½	340 (13.40)	346 (13.61)	78 (3.05)	251 (9.90)	425 (16.73)	121 (4.74)	182 (7.15)	228 (8.97)	M12 X 1.75	46.3	102
TWHC50	6360	8628	53000	71816	2½	404.5 (15.93)	356.6 (14.04)	88 (3.46)	266.5 (10.49)	446.6 (17.58)	115 (4.53)	192.2 (7.57)	258 (10.16)	M12 X 1.75	69	152

* Dimension I shows thread size (on both sides of the tool) for safety handle or lifting point.
 *TWHC20, TWHC35, and TWHC50 models available with lifting points only.



TWHC Accessories



TWHC-ERA
Extended Reaction Arm



TWHC Handle
TWHC1, TWHC3:
DFTAS000001
TWHC6, TWHC11:
DFTAS000002



TWHC-RP
Reaction Pad



TWHC Hex Drives



TWHC-LRA
Long Reaction Arm



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