

HYDRAULIC TORQUE WRENCHES SQUARE DRIVE - TSL SERIES

TRITORC manufactures simple, faster, efficient and reliable Hydraulic Torque Wrenches that are user friendly.

Hydraulic Torque Wrenches are the work horse of the bolting world, in stock with proven performance, our wrenches have a wide variety of applications.



- Available torque ranges up to 50,000 Ft. Lbs. with maximum operating pressure of 10000 PSI (700 bar).
- TRITORC Hydraulic Torque Wrenches maintain an accuracy of $\pm 3\%$ while torquing.
- Provision for lifting tools / handle.
- Standard spline design with torque effective length for exact PCD engagement of reaction arm.
- High strength aerospace aluminium material for light weight and stronger body design with heat treated components.
- Scratch proof hard anodized body and reaction arm.
- High pressure seal design.
- Quick push through drive for ease of loosening and tightening.
- Industries that this tool finds utility in includes Oil and Gas, Refineries, Pipelines, Power Generation, Boiler Industry, Turbines and many more.

TECHNICAL DATA

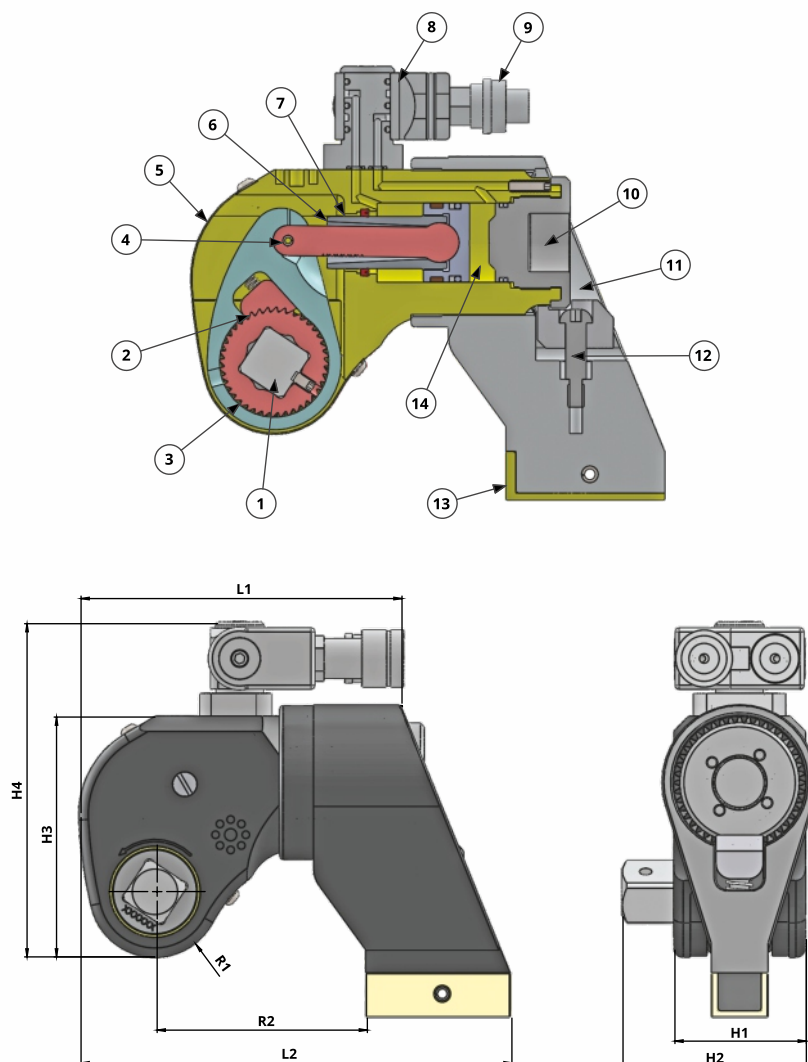
		TSL-07	TSL-1	TSL-3	TSL-5	TSL-8	TSL-10	TSL-15	TSL-20	TSL-25	TSL-35	TSL-50
	Sq.Dr.	3/4"	3/4"	1"	1.1/2"	1.1/2"	1.1/2"	2.1/2"	2.1/2"	2.1/2"	2.1/2"	2.1/2"
Min. Torque	Nm	112	183	450	737	1078	1551	2176	3045	3472	4866	6925
	Ft.Lbs	81	134	328	536	783	1054	1581	2212	2523	3535	5030
Max. Torque	Nm	1120	1837	4500	7379	10780	15519	22505	30461	34725	48666	69247
	Ft.Lbs	814	1340	3280	5360	7830	10540	15807	22120	25230	35350	50300
Tool Weight	Kg	1.8	2.5	4.9	9.5	10.8	14.7	23	26	35	50	65
	Lbs	4	5.5	10.8	20.9	23.8	32.4	50.7	57.3	77.2	110.3	143.3

Note: Dimensions are subject to change.



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- 01) Quick push through drive for ease of loosening and tightening.
- 02) Fine Ratchet and Pawl for better engagement.
- 03) Multi tooth drive segment ensures and engagement upto 32°.
- 04) Balanced drive Rod - Side load free piston movement.
- 05) Laser engraved torque chart in (Nm & ft lbs).
- 06) Hard chrome plating on piston rod ensures better wear resistance of rod seal.
- 07) Self lubricating low Nickel Bronze drive bush protects the body from wear.
- 08) 360° x 180° swivel for Hydraulic Couplers offer better degree of movement.
- 09) Leak proof quick connect couplers for easy and safe operation.
- 10) End-cap design for sufficient back pressure for smooth piston forward force.
- 11) Rigid reaction arm suitable for heavy load application.
- 12) Simple design reaction arm release button for ease of operations.
- 13) Alloy Steel reaction boot (Available in multi-color option).
- 14) Cold worked cylinder bore for longer life and super finish for long working conditions.



DIMENSIONAL DATA

	TSL-07	TSL-1	TSL-3	TSL-5	TSL-8	TSL-10	TSL-15	TSL-20	TSL-25	TSL-35	TSL-50
Body Length (L1) mm (inch)	117 4.61	143 5.63	178 7.01	213 8.39	226 8.90	246 9.69	272 10.71	309 12.17	325 12.80	372 14.65	387 15.24
Overall Length (L2) mm (inch)	139 5.47	171 6.73	228 8.98	275 10.83	292 11.50	317 12.48	352 13.86	387 15.24	402 15.83	466 18.35	518 20.39
Tool Width (H1) mm (inch)	42 1.65	52 2.05	69.5 2.74	82.5 3.25	84 3.31	102 4.02	111 4.37	128 5.04	136.5 5.37	153 6.02	167.5 6.59
Overall Width (H2) mm (inch)	67 2.64	75 2.95	97 3.82	122 4.80	132 5.20	141 5.55	185 7.28	203 7.99	207 8.15	226 8.90	239 9.41
Tool Height (H3) mm (inch)	80 3.15	96 3.78	127 5.00	149 5.87	168 6.61	182 7.17	197 7.76	213 8.39	252 9.92	283 11.14	301 11.85
Overall Height (H4) mm (inch)	117 4.61	133 5.24	177 6.97	199 7.83	218 8.58	232 9.13	247 9.72	262 10.31	301 11.85	333 13.11	351 13.82
Tool Radius (R1) mm (inch)	21.5 0.85	26.3 1.04	34.5 1.36	39 1.54	47 1.85	51 2.01	57.5 2.26	59 2.32	66 2.60	77.5 3.05	80.5 3.17
Reaction Reach (R2) mm (inch)	67 2.64	84 3.31	111 4.37	140 5.51	148 5.83	153 6.02	170 6.69	187 7.36	202 7.95	241 9.49	258 10.16

Note: Dimensions are subject to change.