

HYDRAULIC TORQUE WRENCHES HEX DRIVE - THL SERIES

TRITORC THL Series Direct Hex Drive Hydraulic Torque Wrenches are designed for extreme tight spaces where normal tools cannot reach. The light weight and compact hydraulic cylinder is made of high strength alloy steel. There are 5 Models in THL Series ranging from 200 - 35000 ft lbs. All models have small nose radius which allows the tool to fit in constraint spaces.



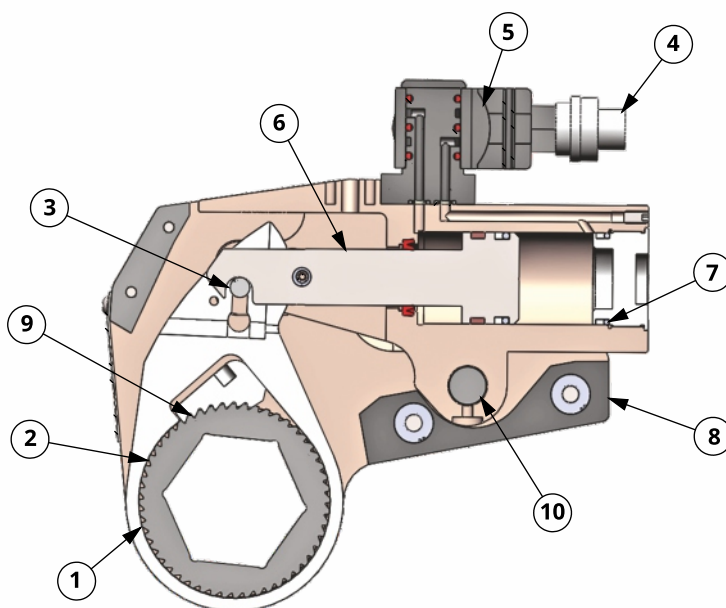
- The rod engages in the first stroke thus removing any backlash.
- The ratchet and pawl have a finer tooth for better engagement and torqueing.
- The quick connectors for the hydraulic lines are leak-resistant for safety even under pressure.

TECHNICAL DATA

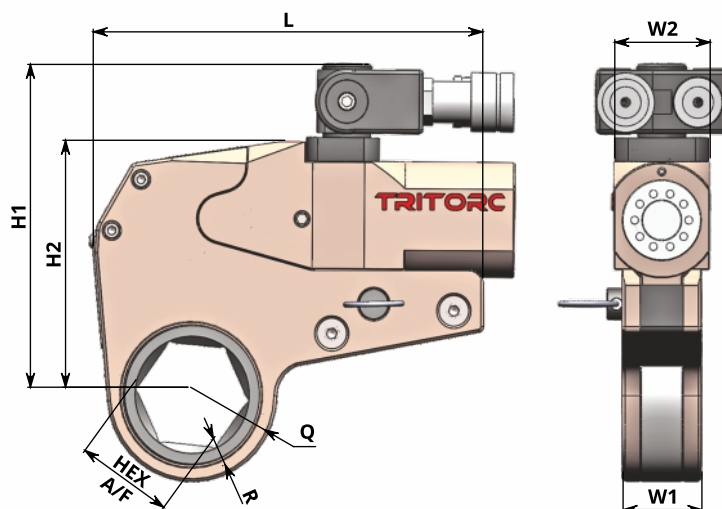
Technical Data	Units	THL-2		THL-4		THL-8		THL-14		THL-32	
Min. Torque	Nm	273	295	607	677	1228	1589	2162	2440	5026	5351
	Ft.Lbs	198	214	441	492	892	1154	1571	1773	3651	3887
Max. Torque	Nm	2728	2952	6069	6773	12281	15890	21620	24399	50258	53512
	Ft.Lbs	1983	2142	4409	4918	8921	11543	15706	17725	36511	38872
Hex Across Flat	mm	19-48	49-60	33-56	57-80	41-80	81-105	50-100	101-120	90-145	146-175
	Inch	3/4 - 1.7/8	1.15/16 - 2.3/8	1.5/16 - 2.3/16	2.1/4 - 3.1/8	1.5/8 - 3.1/8	3.3/16 - 4.1/8	2 - 3.7/8	3.15/16 - 4.3/4	3.7/8 - 5.11/16	5.3/4 - 6.7/8
Drive Unit Weight	Kg	1.5	1.5	3.2	3.2	5.3	5.3	9.8	9.8	15	15
	Lbs.	3.3	3.3	7.1	7.1	11.7	11.7	21.6	21.6	33.1	33.1
Ratchet Unit Weight	Kg	1.7	1.85	4.1	4.2	8.7	8.8	11.5	15.5	32	35
	Lbs.	3.7	4.1	9	9.3	19.2	19.4	25.4	34.2	70.6	77.2

Note: Dimensions are subject to change.

- 1) Self-lubricating low Nickel Bronze for drive bush to protect body from use.
- 2) Fine Ratchet and Pawl for better engagement.
- 3) Auto engagement of rod in first stroke
- 4) Leak proof quick connecting coupler.
- 5) 360°x180° swivel for better degree of movement.
- 6) Hard chrome plating of piston rod for wear resistance.
- 7) High quality seals for high pressure.
- 8) Torsion free reaction pad.
- 9) Never-Lock drive pawl.
- 10) Lock Pin.



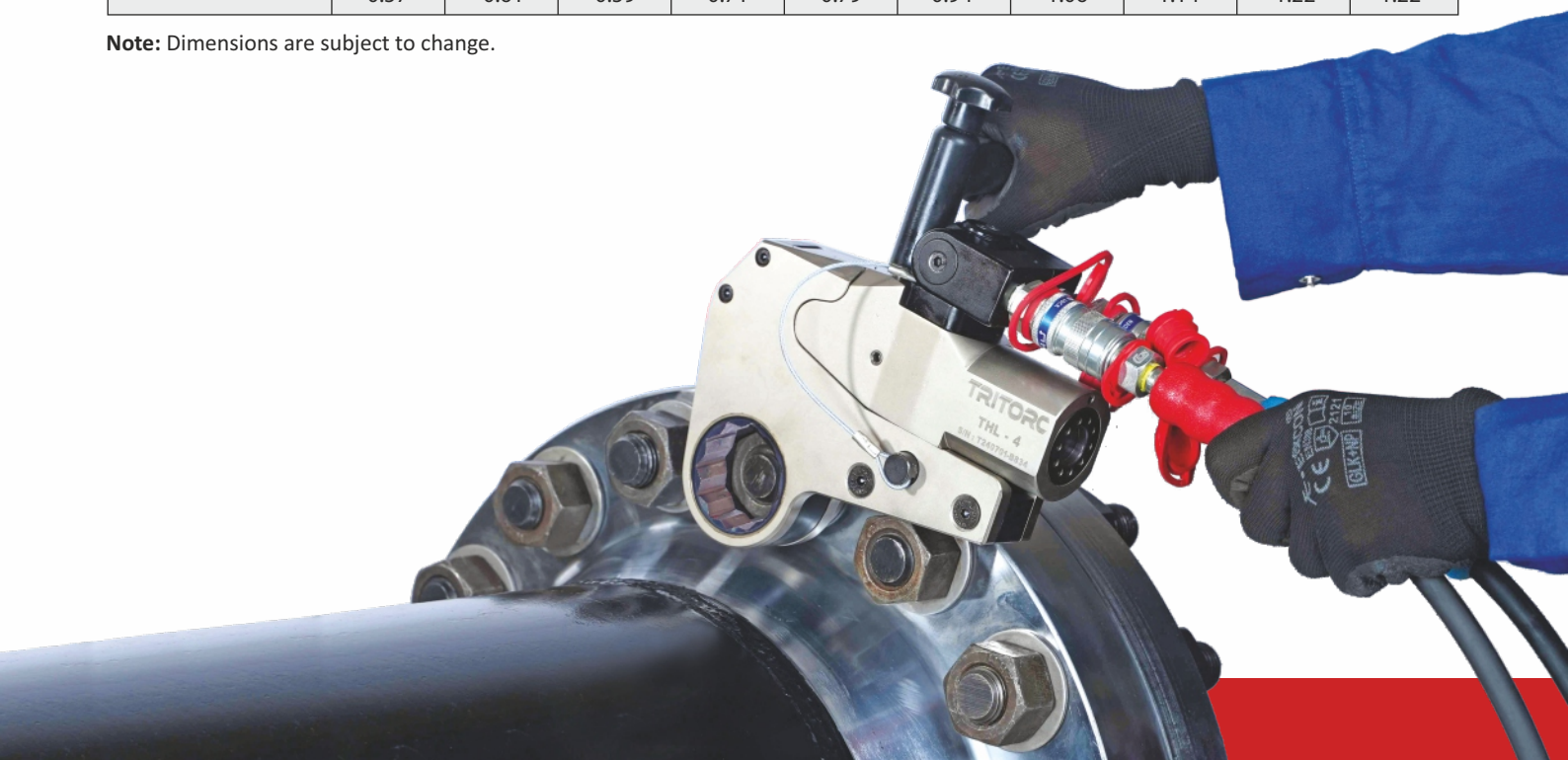
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DIMENSIONAL DATA

Technical Data	THL-2		THL-4		THL-8		THL-14		THL-32	
Overall Length L mm (inch)	164 6.46	169 6.65	202 7.95	218 8.58	267 10.51	285 11.22	325 12.80	329 12.95	408 16.06	443 17.44
H1 mm (inch)	132 5.20	143 5.63	168 6.61	184 7.24	198 7.80	223 8.78	237 9.33	251 9.88	299 11.77	321 12.64
H2 mm (inch)	99 3.90	110 4.33	129 5.08	144 5.67	159 6.26	184 7.24	193 7.60	209 8.23	259 10.20	281 11.06
W1 mm (inch)	32.2 1.27	32.2 1.27	40.6 1.60	40.6 1.60	52.5 2.07	52.5 2.07	63 2.48	63 2.48	83 3.27	83 3.27
W2 mm (inch)	34.4 1.35	34.4 1.35	49.5 1.95	49.5 1.95	61.5 2.42	61.5 2.42	81 3.19	81 3.19	93 3.66	93 3.66
(Q) Nose Radius mm (inch)	22 - 43 0.87-1.69	43 - 46 1.69-1.81	33 - 46 1.30-1.81	46 - 60 1.81-2.36	42 - 63 1.65-2.48	63 - 81 2.48-3.19	53 - 80 2.09-3.15	80 - 92 3.15-3.62	90 - 114 3.54-4.49	114 - 128 4.49-5.04
R min mm (inch)	9.5 0.37	10 0.39	10 0.39	13 0.51	12 0.47	20 0.79	17 0.67	22 0.87	25 0.98	25 0.98
R max mm (inch)	14.5 0.57	15.5 0.61	15 0.59	18 0.71	20 0.79	24 0.94	27 1.06	29 1.14	31 1.22	31 1.22

Note: Dimensions are subject to change.



THL LINK SELECTION

- Compact design with longer arm improves the reliability and application of our THL.
- More accurate and easier to use, since the wrench directly operates on the nuts.
- 360x160 degree swivel or 360x360 degree swivel allows the wrench to operate freely in confined areas.



THL-2 Link	Hex Size		THL-4 Link	Hex Size		THL-8 Link	Hex Size		THL-14 Link	Hex Size		THL-32 Link	Hex Size	
	Inch	mm		Inch	mm		Inch	mm		Inch	mm		Inch	mm
HL-2-19	3/4	19	HL-4-33	1-5/16		HL-8-41	1-5/8	41	HL-14-50		50	HL-32-108	4-1/4	
HL-2-20	13/16		HL-4-34		34	HL-8-42	1-11/16		HL-14-51	2		HL-32-109	4-5/16	
HL-2-21		21	HL-4-35	1-3/8		HL-8-44	1-3/4		HL-14-52	2-1/16		HL-32-110		110
HL-2-22	7/8	22	HL-4-36		36	HL-8-46	1-13/16	46	HL-14-53	2-1/8		HL-32-111	4-3/8	
HL-2-23	15/16		HL-4-37	1-7/16		HL-8-47	1-7/8		HL-14-55	2-3/16	55	HL-32-112	4-7/16	
HL-2-24		24	HL-4-38	1-1/2	38	HL-8-49	1-15/16	49	HL-14-57	2-1/4		HL-32-114	4-1/2	
HL-2-25	1		HL-4-39	1-9/16		HL-8-50		50	HL-14-58	2-5/16		HL-32-115		115
HL-2-27	1-1/16	27	HL-4-41	1-5/8	41	HL-8-51	2		HL-14-60	2-3/8	60	HL-32-116	4-9/16	
HL-2-28	1-1/8		HL-4-42	1-11/16		HL-8-52	2-1/16		HL-14-62	2-7/16		HL-32-117	4-5/8	117
HL-2-30	1-3/16	30	HL-4-44	1-3/4		HL-8-54	2-1/8		HL-14-63	2-1/2		HL-32-119	4-11/16	
HL-2-31	1-1/4"		HL-4-46	1-13/16	46	HL-8-55	2-3/16	55	HL-14-65	2-9/16	65	HL-32-120		120
HL-2-32		32	HL-4-47	1-7/8		HL-8-57	2-1/4		HL-14-66	2-5/8		HL-32-121	4-3/4	
HL-2-33	1-5/16		HL-4-49	1-15/16	49	HL-8-58	2-5/16		HL-14-68	2-11/16		HL-32-122	4-13/16	
HL-2-34		34	HL-4-50		50	HL-8-60	2-3/8	60	HL-14-70	2-3/4	70	HL-32-123	4-7/8	
HL-2-35	1-3/8	35	HL-4-51	2		HL-8-61	2-7/16		HL-14-71	2-13/16		HL-32-125		125
HL-2-36		36	HL-4-52	2-1/16		HL-8-63	2-1/2		HL-14-73	2-7/8		HL-32-126	4-15/16	
HL-2-37	1-7/16		HL-4-53	2-1/8		HL-8-65	2-9/16	65	HL-14-75	2-15/16	75	HL-32-127	5	127
HL-2-38	1-1/2	38	HL-4-55	2-3/16	55	HL-8-66	2-5/8		HL-14-76	3		HL-32-128	5-1/16	
HL-2-39	1-9/16		HL-4-57	2-1/4		HL-8-68	2-11/16		HL-14-77	3-1/16		HL-32-130	5-1/8	
HL-2-41	1-5/8	41	HL-4-58	2-5/16		HL-8-70	2-3/4	70	HL-14-79	3-1/8		HL-32-131	5-3/16	
HL-242	1-11/16		HL-4-60	2-3/8"	60	HL-8-71	2-13/16		HL-14-80		80	HL-32-133	5-1/4	
HL-2-44	1-3/4		HL-4-61	2-7/16		HL-8-73	2-7/8		HL-14-81	3-3/16		HL-32-134	5-5/16	135
HL-2-46	1-13/16	46	HL-4-63	2-1/2		HL-8-75	2-15/16	75	HL-14-82	3-1/4		HL-32-136	5-3/8	
HL-2-47	1-7/8		HL-4-65	2-9/16	65	HL-8-76	3		HL-14-84	3-5/16		HL-32-138	5-7/16	
HL-2-49	1-15/16	49	HL-4-66	2-5/8		HL-8-77	3-1/16		HL-14-85		85	HL-32-140	5-1/2	140
HL-2-50		50	HL-4-68	2-11/16		HL-8-79	3-1/8		HL-14-86	3-3/8		HL-32-141	5-9/16	
HL-2-51	2		HL-4-70	2-3/4	70	HL-8-80		80	HL-14-87	3-7/16		HL-32-142	5-5/8	
HL-2-52	2-1/16		HL-4-71	2-13/16		HL-8-81	3-3/16		HL-14-89	3-1/2		HL-32-144	5-11/16	
HL-2-54	2-1/8		HL-4-73	2-7/8		HL-8-82	3-1/4		HL-14-90		90	HL-32-145		145
HL-2-55	2-3/16	55	HL-4-75	2-15/16	75	HL-8-84	3-5/16		HL-14-91	3-9/16		HL-32-146	5-3/4	
HL-2-57	2-1/4		HL-4-76	3		HL-8-85		85	HL-14-92	3-5/8		HL-32-147	5-13/16	
HL-2-59	2-5/16		HL-4-77	3-1/16		HL-8-86	3-3/8		HL-14-93	3-11/16		HL-32-149	5-7/8	
HL-2-60	2-3/8	60	HL-4-79	3-1/8		HL-8-87	3-7/16		HL-14-95	3-3/4	95	HL-32-150		150
			HL-4-80		80	HL-8-88	3-1/2		HL-14-96	3-13/16		HL-32-151	5-15/16	
						HL-8-90		90	HL-14-98	3-7/8		HL-32-152	6	
						HL-8-91	3-9/16		HL-14-100	3-15/16	100	HL-32-153	6-1/16	
						HL-8-92	3-5/8		HL-14-101	4		HL-32-155		155
						HL-8-93	3-11/16		HL-14-104	4-1/6		HL-32-156	6-1/8	
						HL-8-95	3-3/4	95	HL-14-105	4-1/8	105	HL-32-157	6-3/16	
						HL-8-96	3-13/16		HL-14-106	4-3/16		HL-32-158	6-1/4	
						HL-8-98	3-7/8		HL-14-107	4-1/4		HL-32-160		160
						HL-8-100	3-15/16	100	HL-14-109	4-5/16		HL-32-161	6-5/16	
						HL-8-101	4		HL-14-110		110	HL-32-162	6-3/8	
						HL-8-103	4-1/16		HL-14-111	4-3/8		HL-32-163	6-7/16	
						HL-8-105	4-1/8	105	HL-14-112	4-7/16		HL-32-165	6-1/2	165
									HL-14-114	4-1/2		HL-32-166	6-9/16	
									HL-14-115		115	HL-32-168	6-5/8	
									HL-14-117		117	HL-32-170	6-11/16	170
												HL-32-171	6-3/4	
												HL-32-173	6-13/16	
												HL-32-174	6-7/8	
												HL-32-175		175

ACCESSORIES

