

THL HYDRAULIC TENSIONER

THE MOST ADVANCED INDUSTRIAL TIGHTENING TOOL



Innovative design criteria and high quality manufacturing standards, ensures safety, simplicity of use, reliability and time saving in bolting jobs in sectors as Oil&Gas, Petrochemical and PowerGen.

Thanks to our extensive experience in "on site" bolting jobs, we appreciate the advantage of the availability of a versatile hydraulic tool. THL series cover a wide range of diameters of bolts, up to 6".

» FLANGE PILOT®

Our Flange Management Software (Flange Pilot®) can build a complete database of all bolted flange joint assemblies and all joint data, using existing isometrics, P&ID, or even 3D models, drawings, piping materials. This database can range from a few hundred joints to complex Oil and Gas projects in excess of 100,000 joints.

Allows you to:

- Plan, control and record critical work on flanges in real time.
- Check the state of each joint during the execution of a tightening job.
- Improve efficiency and save costs.
- Save the actions taken after a leak to prevent it from happening again.
- Allow interdepartmental communication.
- Increase the Safety of the plant and its employees, avoiding mistakes.

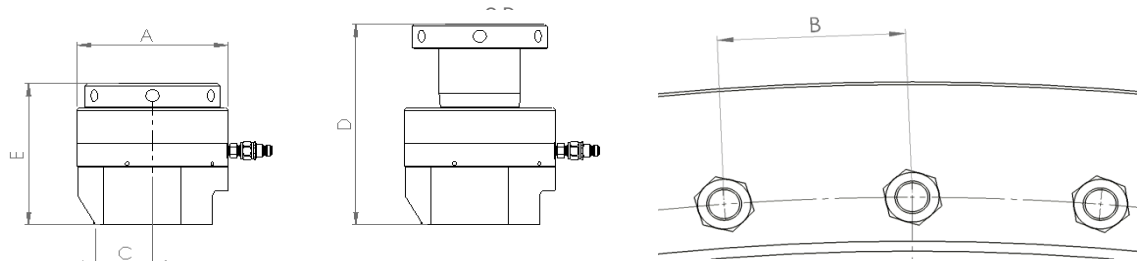


» MAIN FEATURES

- Max. working pressure 1.500 bar
- Max. stroke 15 mm
- Interchangeability of adaptors
- High pressure quick connect couplings, with no o-rings needed, ensure better performance
- Metric & special threads are available under request
- Proven safety design: Pressure is released to the inside of the tool in case of exceeding the max. stroke
- Designed for ASME B16.5, ASME B16.47 Serie A (MSS SP44) y ASME B16.47 Serie B (API 605) flanges and heavy hexagonal nuts according to ANSI B18.2.2.

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Tool Model	Stud Size		Tool Load Capacity	Hydraulic Pressure Area	Effective O.D. (A)	Min CLD (B)	Base Clearance (C)	Min Headroom (D)	Tool Height (E)	Complete Tool Weight
	Imperial	Metric	kN	mm ²	mm	mm	mm	mm	mm	kg
THLT02	3/4	M18	203,6	1.357	73,5	48	23,5	160	100	2,1
	7/8	M22	203,6	1.357	73,5	53	26,5	161	101	2,3
THLT01	1	M24	341,7	2.278	86	58	32	169,5	108	2,8
	1 1/8	M27x3	341,7	2.278	86	63	32	173,5	116	2,9
THL1	1 1/8	M27x3	522,8	3.485	106,5	68	35	188	123	5,0
		M30x3.5	522,8	3.485	106,5	69	40	190	123	5,1
	1 1/4	M33x3.5	522,8	3.485	106,5	70	39	189,5	123	5,1
	1 3/8	M36x4	522,8	3.485	106,5	74	42	197	130	5,2
	1 1/2	M39x4	522,8	3.485	106,5	85	42	201	134	5,4
THL2	1 1/4	M33x3.5	641,0	4.276	115	74	35	180	118	5,7
		M30x3.5	641,0	4.276	115	74	35	180	120	5,9
	1 3/8	M36x4	641,0	4.276	115	79	38	186	124	6,0
	1 1/2	M39x4	641,0	4.276	115	81	40	189	127	6,1
	1 5/8	M42x4.5	641,0	4.276	115	89	38	208	138	6,7
THL3	1 1/2	M39x4	886,5	5.910	135	87	38	199	133	8,9
	1 5/8	M42x4.5	886,5	5.910	135	89	44	205,5	138	9,1
	1 3/4	M45x4.5	886,5	5.910	135	93	45	207,5	140,5	9,2
	1 7/8	M48x5	886,5	5.910	135	100	46	230,5	153,5	10
	2	M52x5	886,5	5.910	135	106	49	241,5	161	11
THL4	1 5/8	M42x4.5	1.182,2	7.881	150	96	42	218	145	12
	1 3/4	M45x4.5	1.182,2	7.881	150	98	44	219	146	12
	1 7/8	M48x5	1.182,2	7.881	150	101	50	222	149	12
	2	M52x5	1.182,2	7.881	150	106	52	230	155	12
	2 1/4	M56x5.5	1.182,2	7.881	150	118	57	261	174	13
THL5	1 7/8	M48x5	1.484,1	9.894	169	109	47	233,5	156	16,2
	2	M52x5	1.484,1	9.894	169	110	50	236,5	159	16,5
	2 1/4	M56x5.5	1.484,1	9.894	169	118	55	242,5	165	17,1
THL6	2 1/4	M56x5.5	1.911,5	12.743	190,5	124	55	250,5	173	21,8
	2 1/2	M64x6	1.911,5	12.743	190,5	129	65	261	182	22,5
	2 3/4	M72x6	1.911,5	12.743	190,5	146	68	267	188	22,9
THL6.5	2 1/4	M56x5.5	1.800,0	12.000	193	126	54	252,6	175	23
	2 1/2	M64x6	1.800,0	12.000	193	130	64	259,4	181,5	23,6
	2 3/4	M72x6	1.800,0	12.000	193	142	69	265,9	188	24,3
	3	M76x6	1.800,0	12.000	193	152	74	276	196,5	23,8
		M80x6	1.800,0	12.000	193	153	74	269,5	192	25,6
THL6.2	2 1/4	M56x5.5	1.500,0	10.000	183	121	54	249,9	172	19,5
	2 1/2	M64x6	1.500,0	10.000	183	131	59,5	256,4	178,5	20,7
	2 3/4	M72x6	1.500,0	10.000	183	143	69	262,9	185	21,4
	3	M76x6	1.500,0	10.000	183	155	75	273	193,5	21,0
		M80x6	1.500,0	10.000	183	155	75	273	193,5	21,5
THL7	2 1/2	M64x6	2.391,6	15.944	209	135	59,5	260	182	28,5
	2 3/4	M72x6	2.391,6	15.944	209	145	67	273	192	28,9
THL8	2 3/4	M72x6	2.748,3	18.322	222,5	147	66	276	194	33,4
	3	M76x6	2.748,3	18.322	222,5	156	78	295	213	34,8
THL9	3	M76x6	3.266,7	21.778	248	165	77	286	203	45,1
	3 1/4	M85x6	3.266,7	21.778	248	180	82	292	209	44,3
THL10	3 1/2	M90x6	3.266,7	21.778	248	183	94	297	215	46,5
	3 1/4	M85x6	3.922,1	26.147	276	180	82	297	214	59,0
	3 1/2	M90x6	3.922,1	26.147	276	183	88	305	222	64,0
	3 3/4	M95x6	3.922,1	26.147	276	192	98	314	231	68,0
	4	M100x6	3.922,1	26.147	276	205	105	319	236	71,0
THL11	4 1/4		3.922,1	26.147	276	220	106	316,5	236,5	58,0
	ESP 4 2/5		3.922,1	26.147	276	208	105	333	250	55,1
	ESP 4 1/4		4.350,0	29.000	302	194	82	311,5	224	59,7
	ESP 4 1/2		4.350,0	29.000	302	216	115	362	269	72,7
	ESP 4 3/4		4.350,0	29.000	302	235	120	369	276	73,1
THL12	ESP 5		4.350,0	29.000	302	219	100	311,5	276	70,8
	ESP 5 1/2		5.625,0	37.500	332	244	140	399	307	105,1
THL13	ESP 5 3/4		7.050,0	47.000	378	238	150	469	349	136,2
	ESP 6		7.050,0	47.000	378	250	160	463	349	148,4