



PRODUCT
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**High forces – reduced
dimensions: anti
over-stroke device.**

CUSTOM TENSIONERS ON REQUEST



- TTS Series tensioners are designed to suit most flanges type: ANSI B16.5 - ANSI B16.47 - B.S.3293 - AWWA - MSS-SP44 - API-6A - API-17D - UNI EN 1092-1.

- High forces and reduced dimensions. TTS Series tensioners represent the optimal combination between the developed strength and their size.

- Extremely compact dimensions and low weight. In TTS series the spaces for the installation are reduced to a minimum level and operations are facilitated by reduced weights.

- Maximum flexibility. With only 6 hydraulic cells the operator can cover an extended range of Imperial or Metric thread sizes from 3/4" to 4" (M20 – M100).

- 15 mm stroke cover most of the tensioning application. If longer strokes are required the tensioning operation can be carried on by steps.

- All components are manufactured with hardened high tensile strength steel.

- Special treatment to guarantee: high resistance to corrosion - high resistance to wear – extremely low friction to help during screw operations.

- Safety is a must. All size have over stroke indicators.

- All model are equipped with 2 quick couplers, male and female, for serial hydraulic connection.

- Special high quality seals for leak free operations and easy maintenance.

TTS

3/4" to 4" (M20-M100)
236 kN - 2.820 kN
Stroke 10 - 15 mm
1.500 bar



TENSIONING TOOL TTS SERIES COMPONENTS

HYDRAU- LIC CELL	IMPERIAL ADAPTER KITS		METRIC ADAPTER KITS		FORCE		HYDRAULIC AREA		STROKE	WEIGHT	DIMENSIONS (mm)						
	Thread size	Kit code	Thread size	Kit code	kN	Ton	in ²	mm ²	mm	kg	A	B	C	D	E	F	G (min)
TTS1	3/4"-10 UNC	1.KI030410UNC	M20x2,5	1.KM.020025	236,5	24,1	2,44	1576,46	10	2	73	16	64	75	45	52	44,50
	7/8"-9 UNC	1.KI070809UNC	M22x2,5	1.KM.022025						1,9		22		79		58	50,50
	1"-8 UN	1.KI100008UN	M24x3	1.KM.024030						1,8		23		81		62	55
	1.1/8"-8 UN	1.KI110808UN	M27x3	1.KM.027030						1,8		24		81		68	61
TTS2	1.1/8"-8 UN	2.KI110808UN	M27x3	2.KM.027030	459,5	46,8	4,75	3063,05	15	4,6	101	25	89	104	54	75	64,50
	-	-	M30x3,5	2.KM.030035						4,6		25		104		75	64,50
	1.1/4"-8 UN	2.KI110408UN	M33x3,5	2.KM.033035						4,5		28		108		80	69,50
	1.3/8"-8 UN	2.KI130808UN	M36x4	2.KM.036040						4,4		30		111		84	74,50
	1.1/2"-8 UN	2.KI110208UN	M39x4	2.KM.039040						4,2		33		114		88	79
TTS3	1.1/2"-8UN	3.KI110208UN	M39x4	3.KM.039040	831,3	84,7	8,59	5541,77	15	7,7	133	34	89	106	57	95	82,50
	1.5/8"-8 UN	3.KI150808UN	M42x4,5	3.KM.042045						7,7		36		109		104	90
	1.3/4"-8 UN	3.KI130408UN	M45x4,5	3.KM.045045						7,5		40		112		108	94,50
	1.7/8"-8 UN	3.KI170808UN	M48x5	3.KM.048050						7,6		42		117		112	99,50
	2"-8 UN	3.KI200008UN	M52x5	3.KM.052050						7,5		48		118		116	104,50
TTS4	1.7/8"-8 UN	4.KI170808UN	M48x5	4.KM.048050	1345,5	137,2	13,90	8970,03	15	13,7	163	43	102	125	63	122	104,50
	2"-8 UN	4.KI200008UN	M52x5	4.KM.052050						13,2		45		128		123	108
	2.1/4"-8 UN	4.KI210408UN	M56x5,5	4.KM.056055						12,7		54		133		132	117,50
	-	-	M60x5,5	4.KM.060055						13,3		53		137		140	120,50
	2.1/2"-8 UN	4.KI210208UN	M64x6	4.KM.064060						13		57		141		146	128
TTS5	2.1/2"-8 UN	5.KI210208UN	M64x6	5.KM.064060	1927,3	196,5	19,91	12848,33	15	18,9	193	59	98	134	63	148	131
	-	-	M68x6	5.KM.068060						19		62		137		154	135
	2.3/4"-8 UN	5.KI230408UN	M72x6	5.KM.072060						18,2		68		140		158	141,50
	3"-8 UN	5.KI300008UN	M76x6	5.KM.076060						17,5		70		146		165	150,50
TTS6	3"-8 UN	6.KI300008UN	M76x6	6.KM.076060	2819,9	287,5	29,14	18799,29	15	34,3	232	75	125	160	73	170	153
	-	-	M80x6	6.KM.080060						36,3		77		165		177	155
	3.1/4"-8 UN	6.KI310408UN	M85x6	6.KM.085060						34,3		77		170		182	164,50
	3.1/2"-8 UN	6.KI310208UN	M90x6	6.KM.090060						33		82		175		191	174,50
	3.3/4"-8 UN	6.KI330408UN	M95x6	6.KM.095060						32,9		86		180		206	187,50
	4"-8 UN	6.KI400008UN	M100x6	6.KM.100060						32,9		95		185		216	198