



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.

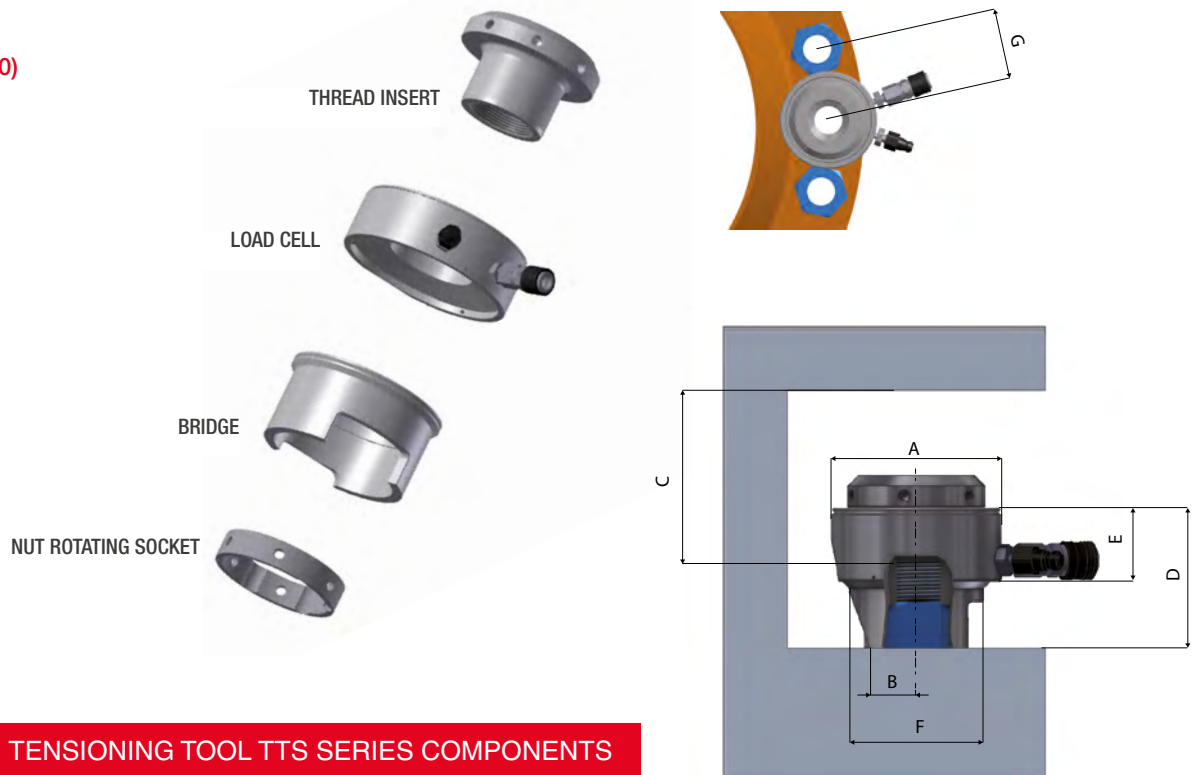
- Safety is a must. All size have over stroke indicators.

- 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

HYDRAULIC 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			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														58	50,50
	1"-8 UN	1.KI100008UN	M24x3	1.KM.024030														62	55
	1.1/8"-8 UN	1.KI110808UN	M27x3	1.KM.027030														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														75	64,50
	1.1/4"-8 UN	2.KI110408UN	M33x3,5	2.KM.033035														80	69,50
	1.3/8"-8 UN	2.KI130808UN	M36x4	2.KM.036040														84	74,50
	1.1/2"-8 UN	2.KI110208UN	M39x4	2.KM.039040														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														104	90
	1.3/4"-8 UN	3.KI130408UN	M45x4,5	3.KM.045045														108	94,50
	1.7/8"-8 UN	3.KI170808UN	M48x5	3.KM.048050														112	99,50
	2"-8 UN	3.KI200008UN	M52x5	3.KM.052050														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														123	108
	2.1/4"-8 UN	4.KI210408UN	M56x5,5	4.KM.056055														132	117,50
	-	-	M60x5,5	4.KM.060055														140	120,50
	2.1/2"-8 UN	4.KI210208UN	M64x6	4.KM.064060														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														154	135
	2.3/4"-8 UN	5.KI230408UN	M72x6	5.KM.072060														158	141,50
	3"-8 UN	5.KI300008UN	M76x6	5.KM.076060														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														177	155
	3.1/4"-8 UN	6.KI310408UN	M85x6	6.KM.085060														182	164,50
	3.1/2"-8 UN	6.KI310208UN	M90x6	6.KM.090060														191	174,50
	3.3/4"-8 UN	6.KI330408UN	M95x6	6.KM.095060														206	187,50
	4"-8 UN	6.KI400008UN	M100x6	6.KM.100060														216	198