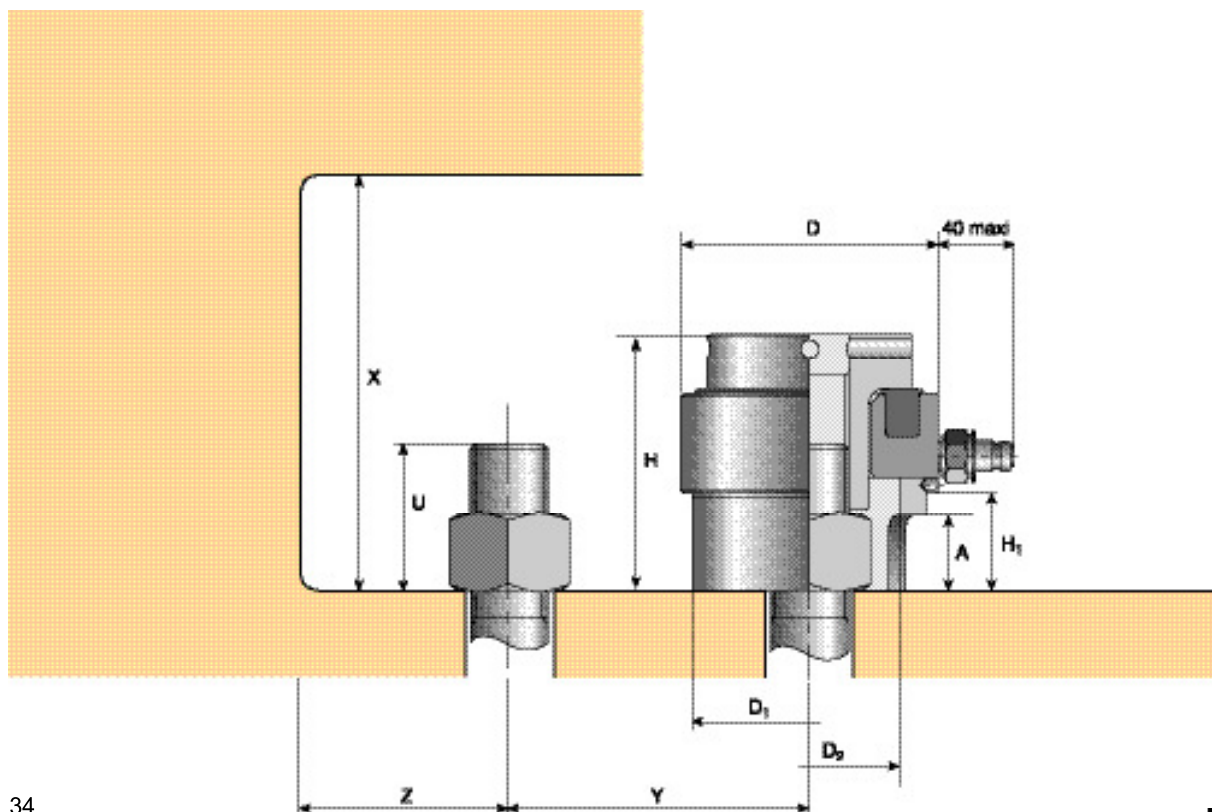
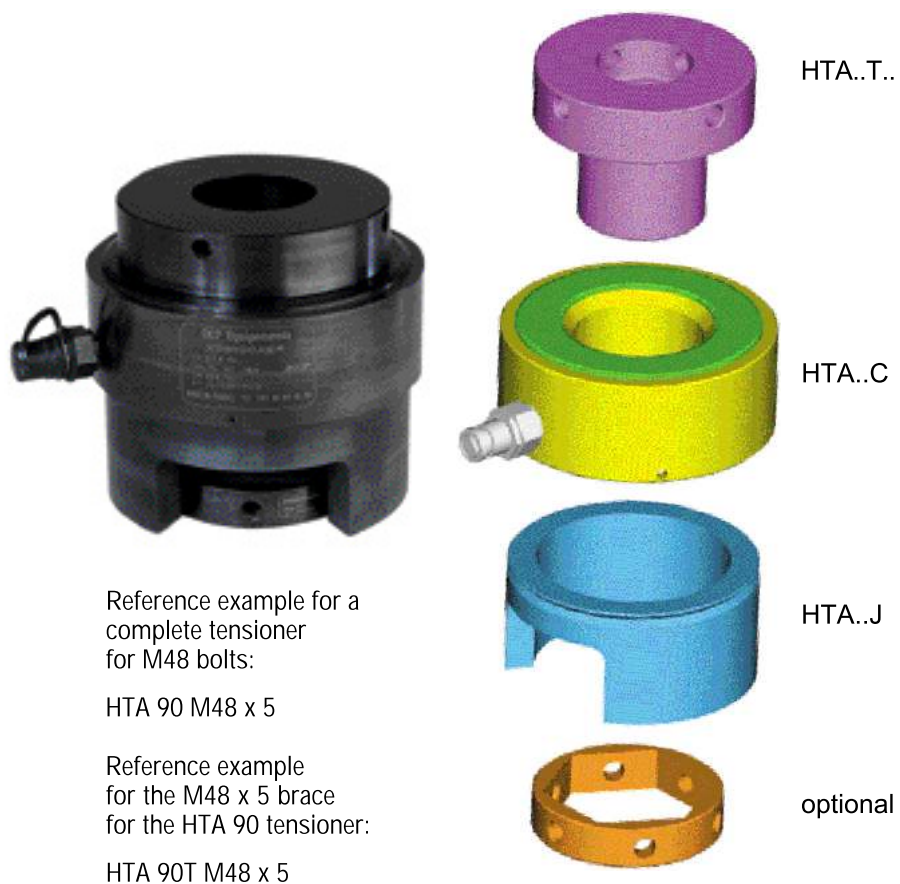


Multi-purpose

The dimensions and the traction load suit this tensioner to many different applications.



Multi-purpose

Tensioner reference		HTA 20	HTA 35	HTA 50	HTA 60	HTA 90	HTA 130	HTA 160	HTA 200	HTA 250	HTA 310
Bolt dimension (M Ø x pitch)	Metric system	M 20 x 2.5	M 27 x 3	M 36 x 4	M 42 x 4.5	M 45 x 4.5	M 60 x 5.5	M 72 x 6	M 80 x 6	M 100 x 6	M 125 x 6
		M 22 x 2.5	M 30 x 3.5	M 39 x 4	M 45 x 4.5	M 48 x 5	M 64 x 6	M 76 x 6	M 85 x 6	M 110 x 6	M 130 x 6
		M 24 x 3	M 33 x 3.5	M 42 x 4.5	M 48 x 5	M 52 x 5	M 68 x 6	M 80 x 6	M 90 x 6	M 120 x 6	M 140 x 6
		M 27 x 3	M 36 x 4	M 45 x 4.5	M 52 x 5	M 56 x 5.5 M 60 x 5.5	M 72 x 6 M 76 x 6		M 95 x 6 M 100 x 6	M 125 x 6	M 150 x 6
Ø in - Threads/in	Imperial system	3/4" - 10	1" - 8	1 3/8" - 6	1 1/2" - 6	1 3/4" - 5	2 1/2" - 4	2 3/4" - 4	3 1/4" - 4	3 3/4" - 4	5" - 4
		7/8" - 9	1 1/8" - 7	1 1/2" - 6	1 3/4" - 5	2" - 4 1/2	2 3/4" - 4	3" - 4	3 1/2" - 4	4" - 4	5 1/4" - 4
		1" - 8	1 1/4" - 7	1 3/4" - 5	2" - 4 1/2	2 1/4" - 4 1/2	3" - 4	3 1/4" - 4	3 3/4" - 4	4 1/4" - 4	5 1/2" - 4
			1 3/8" - 6							4 1/2" - 4 4 3/4" - 4	5 3/4" - 4
Max. Pressure	(MPa) (psi)	150 21756	150 21756	150 21756	150 21756	150 21756	150 21756	150 21756	150 21756	150 21756	150 21756
Hydraulic area	(cm²) (in²)	20 3.10	35 5.43	50 7.75	60 9.30	90 13.95	130 20.15	160 24.80	200 31.00	250 38.75	310 48.05
Max. hydraulic load	(kN) (lbf)	300 67443	525 118025	750 168606	900 202328	1350 303492	1950 438377	2400 539541	3000 674426	3750 843032	4650 1045360
Piston stroke (mm)		8	8	8	8	8	8	10	10	10	10
D (mm)		86	109	128	137	166	198	215	244	284	325
H (mm)		100	116	128	140	154	179	190	203	235	268
H1 (mm)		30	40	49	54	65	82	86	106	131	156
D1 (mm)		74	97	116	133	154	187	203	232	272	313
D2 (mm)		56	73	90	102	114	137	145	180	223	260
A (mm)		26	31	38	40	42	50	50	60	73	86
U (mm)		38	52	69	80	86	114	137	152	190	238
		42	57	74	86	92	122	145	162	209	247
		46	63	80	92	99	130	152	171	228	266
		52	69	86	99	107	137		181	238	285
X (mm)											
		138	168	197	220	240	293	327	355	425	506
		142	173	202	226	246	301	335	365	444	515
		146	179	208	232	253	309	342	374	463	534
Y (mm)		152	185	214	239	261	316		384	473	553
						268	324		393		
		56	73.5	91	91	119	147	163.5	184.5	222	262.5
		57	76.5	94	92	122	150	166.5	187.5	227.5	265
Z (mm)		59	79	97	94	124.5	153	169.5	193	236	274
		62	81	100	96	127.5	155.5		196	242	280
						130.5	158.5		202		
Total tensioner weight (kg)		3	4.8	7.5	9	15.3	25	31	39	54	75