



HTL Spring Return Tensioners

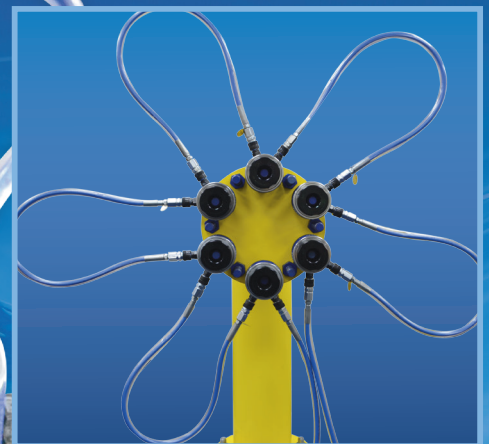
The range of Spring Return Tensioners have been designed to ultimately increase and improve the productivity and safety of the operator. The spring return design enables automatic piston retraction at the end of the tensoning sequence, ensuring the tools are prepared and ready for the next cycle.

In comparison to existing manual return tensioners, our range of Spring Return Tensioners allow greater efficiency and warrants ease of use for the operator due to their improved design including the anti-slip tool surface to enhance grip. The design also incorporates dual ports which allow the operator to daisy chain multiple tensioners together, removing the need and expense of 'T' pieces.

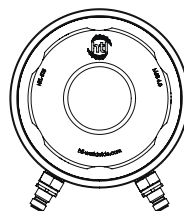
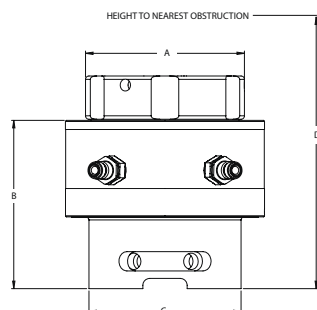
All models within the range have a stroke of 10mm and cover ranges from $\frac{3}{4}$ " – $4\frac{1}{2}$ " & M24 - M115 bolts, making them suitable for use on a vast range of flange sizes. They also offer both metric and imperial inserts as well as oversized versions for coated studs.

Features and Benefits

- ✓ Designed to fit BS/ANSI/API flanges
- ✓ Made in the UK
- ✓ Max tool pressure – 21,750psi (1,500 bar working pressure)
- ✓ Automatic spring return piston retraction
- ✓ Maximum stroke indicator
- ✓ Covers bolt ranges from $\frac{3}{4}$ " – $4\frac{1}{2}$ " & M24 - M115



Model	Stud Diameter		Tool Load		Hydraulic Area		A	B	C	D		Weight
	Imperial	Metric	tonf	kN	in ²	mm ²	mm	mm	mm	Imperial Bolts	Metric Bolts	kg
HTL-ST1	1"	M24	28.1	280	2.89	1867	87	117	68	175	175	2.7
	-	M27						117	68	-	178	
	1 1/8"	-						120	72	181	-	
HTL-ST2	1"	M24	45.2	450	4.65	3001	103	117	75	175	175	4.1
	-	M27						117	75	-	178	
	1 1/8"	M30						120	80	188	184	
	1 1/4"	M33						123	84	195	190	
	1 3/8"	M36						126	89	195	196	
HTL-ST3	1 1/4"	M33	66.2	660	6.82	4401	118	123	88	190	192	5.4
	1 3/8"	M36						126	96	197	198	
	1 1/2"	M39						130	96	203	204	
	1 5/8"	M42						133	105	209	211	
HTL-ST4	1 1/2"	M39	101.4	1000	10.34	6668	141	132	112	211	212	8.4
	1 5/8"	M42						135	114	217	218	
	1 3/4"	M45						139	118	223	225	
	1 7/8"	M48						142	114	230	225	
	2"	-						145	120	236	-	
HTL-ST5	2"	M52	150.5	1500	15.50	10003	176	148	120	246	248	13.8
	2 1/4"	M56						154	138	259	258	
	-	M60						161	138	-	262	
	2 1/2"	M64						161	153	272	273	
	-	M68						161	153	-	283	
	-	M70						161	153	284	287	
	2 3/4"	-						167	156	284	283	
HTL-ST6	2 3/4"	M72	250.9	2500	25.84	16671	219	167	157	294	297	23.0
	3"	M76						174	182	307	308	
	-	M80						174	182	-	312	
	3 1/4"	M85						180	190	320	323	
	3 1/2"	M90						186	205	332	334	
HTL-ST7	3 1/2"	M90	321.2	3200	33.06	21339	252	186	200	339	341	32.0
	-	M95						186	200	-	346	
	3 3/4"	M100						192	200	364	356	
	4"	-						199	210	364	-	
HTL-ST8	4"	M105	411.5	4100	42.38	27340	282	199	210	374	378	42.0
	-	M110						199	210	-	383	
	4 1/4"	M115						205	224	387	394	
	4 1/2"	-						212	232	400	-	



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