

Maximum Tool Load: **3,200KN**

Stud Bolt Range: **3/4" To 4"**

Max Working Pressure: **21,750 PSI**



## TSR SERIES

Our Topside spring return tensioners are packed with features to assist in making your tensioning operations as quick and easy as possible.

Designed with piston over stroke indication, built in nut rotating sockets and easily interchangeable bridge sections.

Powerful and robust, the TSR range delivers performance when it matters the most!



Model	Stud Dia (imp)	Tool Load (KN)	Hydraulic Area (mm <sup>2</sup> )	Dimension A (MM)	Dimension B (MM)	Dimension C A/F (MM)	Dimension D (MM)
TSR0	3/4"	160	1067	66	93	63	136
	7/8"						142
TSR1	1"	280	1867	87	117	68	175
	1.1/8"						181
TSR2	1"	450	3001	103	117	75	175
	1.1/8"				120	80	181
	1.1/4"				123	84	188
	1.3/8"				126	89	195
TSR3	1.1/4"	660	4401	118	123	88	190
	1.3/8"				126	96	197
	1.1/2"				130	96	203
	1.5/8"				133	105	209
TSR4	1.1/2"	1000	6668	140.5	132	112	211
	1.5/8"				135	114	217
	1.3/4"				139	118	223
	1.7/8"				142	114	230
	2"				145	120	236
TSR5	2"	1500	10003	175.5	148	120	246
	2.1/4"				154	138	259
	2.1/2"				161	153	272
	2.3/4"				167	156	284
TSR6	2.3/4"	2500	16671	219	167	167	294
	3"				171	171	307
	3.1/4"				180	180	320
	3.1/2"				186	186	332
TSR7	3.1/2"	3200	21339	252	186	186	339
	3.3/4"				192	192	352
	4"				199	199	363