

## STS-SR - SPRING RETURN BOLT TENSIONERS - METRIC



Metric bolt size range from M64 to M100

Maximum working pressure 21750 PSI

Spring assisted piston retraction

The STS-SR metric range of hydraulic bolt tensioners offers all of the features and benefits of our standard STS range (see pages 92-95), but with the added feature of spring assisted return hydraulic pistons. Designed primarily for topside operation, this additional spring return piston feature, will reduce bolt tensioning cycle times considerably, as the tensioner piston will automatically retract, immediately after the hydraulic pressure is released. The range currently comprises of 10 models, suitable for standard size bolts from M64 to M100 diameter. For bolt sizes below M64 diameter, where manually retracting the tensioner piston is much faster, please refer to our standard STS range on pages 92-95. We can, if necessary, design and manufacture spring return piston versions for bolt sizes less than M64 diameter, to special order.

The versatility of the STS-SR bolt tensioner range, is identical to our standard STS range, with a variety of interchangeable threaded pullers and nut rotating sockets available, either as bolt size conversion kits or individual parts. All STS-SR bolt tensioners are designed and manufactured with a wear coated piston, maximum stroke indicator, self-energizing high pressure seals, dual quick connect couplers, for easy multiple tensioner hook up and operate at pressures up to 21750 PSI maximum. Suitable hydraulic pumps and high pressure hydraulic hose assemblies for use with STS-SR tensioners are detailed on pages 103 - 104.



Note ...

Standard STS conversion kits are NOT compatible for use with STS-SR tensioners. STS-SR conversion kits are available to special order.

Model number	Bolt thread size	Thread Pitch	Capacity		Effective Area inch <sup>2</sup>	Stroke inch	Weight lbs	Dimensions in inches					
			Tons	kN				A	B	C	D	E	F
<b>STS5-M64SR</b>	M64	6	207	1846	19.08	0.59	51.1	7.60	2.88	3.78	8.20	3.78	5.28
<b>STS5-M68SR</b>	M68	6	207	1846	19.08	0.59	51.1	7.60	2.88	3.78	8.20	3.78	5.36
<b>STS5-M72SR</b>	M72	6	207	1846	19.08	0.59	51.1	7.60	2.88	3.78	8.20	3.78	5.48
<b>STS5-M76SR</b>	M76	6	207	1846	19.08	0.59	51.1	7.60	2.88	3.78	8.20	3.78	5.59
<b>STS6-M76SR</b>	M76	4	298	2657	27.45	0.59	79.1	9.18	3.31	4.22	9.02	3.82	6.23
<b>STS6-M76SR</b>	M76	6	298	2657	27.45	0.59	79.1	9.18	3.31	4.22	9.02	3.82	6.23
<b>STS6-M80SR</b>	M80	6	298	2657	27.45	0.59	79.1	9.18	3.31	4.22	9.02	3.82	6.30
<b>STS6-M85SR</b>	M85	6	298	2657	27.45	0.59	79.1	9.18	3.31	4.22	9.02	3.82	6.38
<b>STS6-M90SR</b>	M90	4	298	2657	27.45	0.59	79.1	9.18	3.31	4.22	9.02	3.82	6.70
<b>STS6-M90SR</b>	M90	6	298	2657	27.45	0.59	79.1	9.18	3.31	4.22	9.02	3.82	6.70
<b>STS6-M95SR</b>	M95	4	298	2657	27.45	0.59	90.6	9.18	4.14	4.22	10.64	3.82	7.25
<b>STS6-M95SR</b>	M95	6	298	2657	27.45	0.59	90.6	9.18	4.14	4.22	10.64	3.82	7.25
<b>STS6-M100SR</b>	M100	6	298	2657	27.45	0.59	90.6	9.18	4.14	4.22	10.64	3.82	7.49

**Note:** For dimensional drawing, please see page 96.