

STS | TOPSIDE BOLT TENSIONERS - IMPERIAL

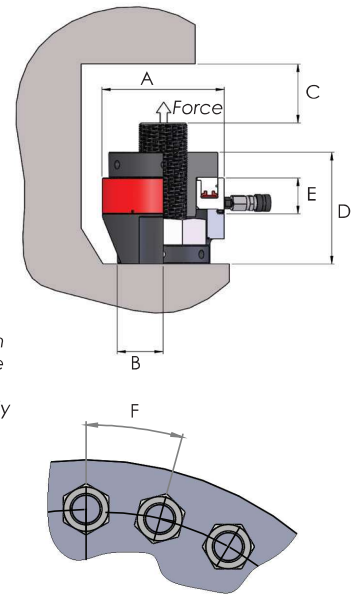


Capacities from 234 to 2649 kN

Bolt sizes from 3/4" to 4" diameter

Working pressure 1500 bar

- ▶ Single acting design with manual piston retraction
- ▶ High grade alloy steel construction with nitrocarburised, corrosion resistant, piston
- ▶ Maximum stroke indicator to warn against piston over extension
- ▶ Self-energising seals for improved performance and longevity of use at high pressure
- ▶ Dual quick connect inlet and outlet couplers for easy multiple tensioner connection
- ▶ Designed to fit most sizes of ANSI and API flanges and some Compact flanges
- ▶ Interchangeable accessories to cover multiple stud bolt sizes using same tensioner
- ▶ Non-standard size threaded pullers available to order on short delivery lead time



Note: Dimension F is for guidance on ANSI flange applications only

Model number	Bolt thread size	Threads per inch	Capacity		Effective area (cm ²)	Stroke (mm)	Weight (kg)	Dimensions (mm)					
			kN	tonnes				A	B	C (min)	D	E	F
STS1-075B1	3/4"	10	234	23.9	15.6	10	1.7	74	28	74	90	45	51
STS1-087B1	7/8"	9	234	23.9	15.6	10	1.7	74	28	74	90	45	54
STS1-100B2	1"	8	234	23.9	15.6	10	1.9	74	30	80	98	45	61
STS1-112B2	1 1/8"	8	234	23.9	15.6	10	1.9	74	30	80	98	45	64
STS2-125B1	1 1/4"	8	457	46.6	30.5	15	3.5	102	39	103	128	54	74
STS2-137B1	1 3/8"	8	457	46.6	30.5	15	3.5	102	39	103	128	54	77
STS2-150B1	1 1/2"	8	457	46.6	30.5	15	3.5	102	39	103	128	54	80
STS3-162B1	1 5/8"	8	822	83.8	54.8	15	6.1	133	47	115	150	56	92
STS3-175B1	1 3/4"	8	822	83.8	54.8	15	6.1	133	47	115	150	56	93
STS3-175B2	1 3/4"	8	822	83.8	54.8	15	6.3	133	50	117	155	56	104
STS3-187B1	1 7/8"	8	822	83.8	54.8	15	6.1	133	47	115	150	56	97
STS3-187B2	1 7/8"	8	822	83.8	54.8	15	6.3	133	50	117	155	56	104
STS3-200B2	2"	8	822	83.8	54.8	15	6.3	133	50	117	155	56	104
STS4-187B1	1 7/8"	8	1264	128.9	84.3	15	10.6	163	50	119	149	57	104
STS4-200B1	2"	8	1264	128.9	84.3	15	10.6	163	50	119	149	57	104
STS4-200B2	2"	8	1264	128.9	84.3	15	11.8	163	62	119	149	57	106
STS4-225B2	2 1/4"	8	1264	128.9	84.3	15	11.8	163	62	135	165	57	121
STS4-250B2	2 1/2"	8	1264	128.9	84.3	15	11.8	163	62	135	165	57	127
STS5-250B1	2 1/2"	8	1833	186.9	122.2	15	16.0	193	73	145	187	60	134
STS5-275B1	2 3/4"	8	1833	186.9	122.2	15	16.0	193	73	145	187	60	140
STS5-300B1	3"	8	1833	186.9	122.2	15	16.0	193	73	145	187	60	147
STS6-300B1	3"	8	2649	270	176.6	15	23.5	233	84	178	216	64	161
STS6-325B1	3 1/4"	8	2649	270	176.6	15	23.5	233	84	178	216	64	167
STS6-350B1	3 1/2"	8	2649	270	176.6	15	23.5	233	84	178	216	64	172
STS6-375B3	3 3/4"	8	2649	270	176.6	15	29.1	233	105	205	257	64	191
STS6-400B3	4"	8	2649	270	176.6	15	29.1	233	105	205	257	64	196

Note: Weight is for load cell and bridge only. Total weight of complete assembly depends on size of puller and nut rotating socket selected. Tommy bars are not included. Hi-Force recommends one tommy bar for every four tensioners.