

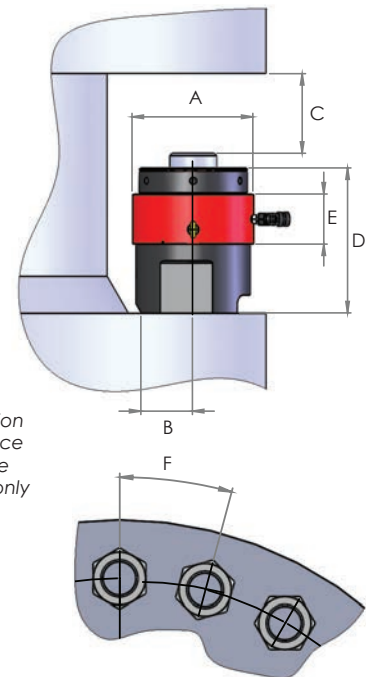
**SBT | SPRING RETURN BOLT TENSIONERS - IMPERIAL**


Capacities from 457 to 2649 kN

Bolt sizes from 1 1/4" to 4" diameter

Maximum working pressure 1500 bar

- ▶ Single acting design with spring assisted piston retraction
- ▶ High grade alloy steel construction with nitrocarburised, corrosion resistant, piston
- ▶ Maximum stroke indicator to warn against piston over extension
- ▶ Safety over stroke device to protect operator from injury
- ▶ Self-energising seals for improved performance and longevity at high pressure
- ▶ Dual quick connect inlet and outlet couplings 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
- ▶ Customised and special design tensioners are available on request



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

Model number	Bolt thread size	Threads per inch	Capacity kN	Capacity tonnes	Effective area (cm²)	Stroke (mm)	Weight (kg)	Dimensions (mm)					
								A	B	C (min)	D	E	F
SBT2-125B1	1 1/4"	8	457	46.6	30.5	15	4.0	102	39	127	164	91	74
SBT2-137B1	1 3/8"	8	457	46.6	30.5	15	4.0	102	39	127	164	91	77
SBT2-150B1	1 1/2"	8	457	46.6	30.5	15	4.0	102	39	123	164	91	80
SBT3-162B1	1 5/8"	8	822	83.8	54.8	15	6.7	137	47	146	188	94	92
SBT3-175B1	1 3/4"	8	822	83.8	54.8	15	6.7	137	47	143	188	94	93
SBT3-175B2	1 3/4"	8	822	83.8	54.8	15	7.2	137	50	148	193	94	94
SBT3-187B1	1 7/8"	8	822	83.8	54.8	15	6.7	137	47	139	188	94	97
SBT3-187B2	1 7/8"	8	822	83.8	54.8	15	7.2	137	50	144	193	94	104
SBT3-200B2	2"	8	822	83.8	54.8	15	7.2	137	50	141	193	94	104
SBT4-187B1	1 7/8"	8	1264	128.9	84.3	15	11.0	167	50	147	197	97	104
SBT4-200B1	2"	8	1264	128.9	84.3	15	11.0	167	50	143	197	97	104
SBT4-200B2	2"	8	1264	128.9	84.3	15	12.2	167	62	155	213	97	106
SBT4-225B2	2 1/4"	8	1264	128.9	84.3	15	12.2	167	62	150	213	97	121
SBT4-250B2	2 1/2"	8	1264	128.9	84.3	15	12.2	167	62	145	213	97	127
SBT5-250B1	2 1/2"	8	1833	186.9	122.2	15	16.5	209	73	162	229	102	134
SBT5-275B1	2 3/4"	8	1833	186.9	122.2	15	16.5	209	73	156	229	102	140
SBT5-300B1	3"	8	1833	186.9	122.2	15	16.5	209	73	149	229	102	147
SBT6-300B1	3"	8	2649	270	176.6	15	24.0	246	84	174	254	103	161
SBT6-325B1	3 1/4"	8	2649	270	176.6	15	24.0	246	84	169	254	103	167
SBT6-350B1	3 1/2"	8	2649	270	176.6	15	24.0	246	84	162	254	103	172
SBT6-375B3	3 3/4"	8	2649	270	176.6	15	29.6	246	105	194	295	103	191
SBT6-400B3	4"	8	2649	270	176.6	15	29.6	246	105	189	295	103	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.*

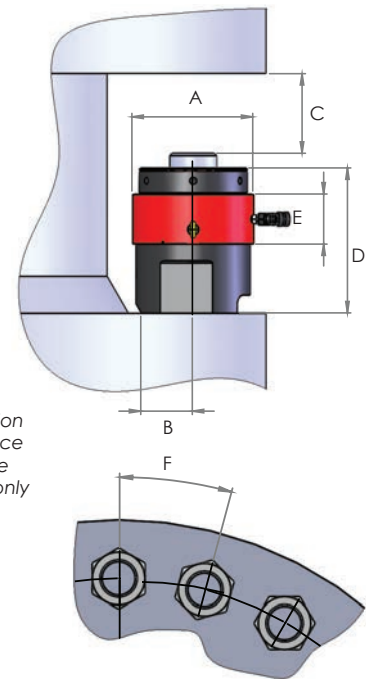
**SBT | SPRING RETURN BOLT TENSIONERS - METRIC**


Capacities from 457 to 2649 kN

Bolt sizes from M30 to M100 diameter

Maximum working pressure 1500 bar

- ▶ Single acting design with spring assisted piston retraction
- ▶ High grade alloy steel construction with nitrocarburised, corrosion resistant, piston
- ▶ Maximum stroke indicator to warn against piston over extension
- ▶ Safety over stroke device to protect operator from injury
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*Note: Dimension F is for guidance on ANSI flange applications only*

Model number	Bolt thread size	Thread pitch	Capacity kN	Capacity tonnes	Effective area (cm²)	Stroke (mm)	Weight (kg)	Dimensions (mm)					
								A	B	C (min)	D	E	F
SBT2-M30B1	M30	3.5	457	46.6	30.5	15	4.0	102	39	132	164	91	71
SBT2-M33B1	M33	3.5	457	46.6	30.5	15	4.0	102	39	127	164	91	74
SBT2-M36B1	M36	4	457	46.6	30.5	15	4.0	102	39	123	164	91	77
SBT2-M39B1	M39	4	457	46.6	30.5	15	4.0	102	39	123	164	91	80
SBT3-M42B1	M42	4.5	822	83.8	54.8	15	6.7	137	47	145	188	94	91
SBT3-M45B1	M45	4.5	822	83.8	54.8	15	6.7	137	47	142	188	94	105
SBT3-M45B2	M45	4.5	822	83.8	54.8	15	6.9	137	47	147	193	94	97
SBT3-M48B1	M48	5	822	83.8	54.8	15	6.7	137	47	139	188	94	105
SBT3-M48B2	M48	5	822	83.8	54.8	15	6.9	137	47	144	193	94	105
SBT3-M52B2	M52	5	822	83.8	54.8	15	6.9	137	47	140	193	94	97
SBT4-M48B1	M48	5	1264	128.9	84.3	15	11.0	167	50	150	197	97	105
SBT4-M52B1	M52	5	1264	128.9	84.3	15	11.0	167	50	145	197	97	108
SBT4-M52B2	M52	5	1264	128.9	84.3	15	12.2	167	62	160	213	97	120
SBT4-M56B2	M56	5.5	1264	128.9	84.3	15	12.2	167	62	155	213	97	120
SBT4-M60B2	M60	5.5	1264	128.9	84.3	15	12.2	167	62	150	213	97	124
SBT4-M64B2	M64	6	1264	128.9	84.3	15	12.2	167	62	145	213	97	126
SBT5-M64B1	M64	6	1833	186.9	122.2	15	16.5	209	73	164	229	102	134
SBT5-M68B1	M68	6	1833	186.9	122.2	15	16.5	209	73	159	229	102	136
SBT5-M72B1	M72	6	1833	186.9	122.2	15	16.5	209	73	156	229	102	139
SBT5-M76B1	M76	6	1833	186.9	122.2	15	16.5	209	73	149	229	102	142
SBT6-M76B1	M76	6	2649	270	176.6	15	24.0	246	84	176	254	103	158
SBT6-M80B1	M80	6	2649	270	176.6	15	24.0	246	84	172	254	103	160
SBT6-M85B1	M85	6	2649	270	176.6	15	24.0	246	84	169	254	103	162
SBT6-M90B1	M90	6	2649	270	176.6	15	24.0	246	84	162	254	103	170
SBT6-M95B3	M95	6	2649	270	176.6	15	29.6	246	96	194	295	103	184
SBT6-M100B3	M100	6	2649	270	176.6	15	29.6	246	96	189	295	103	190

*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.*