HYDRAULIC BOLT TENSIONERS | OEM CROSS-REFERENCE: ENERPAC GT1-GT4 TENSIONERS EQUIVALENT

HST-S Series Single-Stage Topside Bolt Tensioners

High-precision 1500 Bar (150 MPa) single-stage topside hydraulic bolt tensioners delivering 282 to 3216 kN pure axial pre-tension. Engineered with interchangeable threaded pullers, twin quick-connect daisy-chain couplers, and dual-window support bridges for M24 to M100 critical flange closures.



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OPERATING PRESSURE	TENSIONING FORCE	METRIC BOLT RANGE
1500 BAR HYDRAULIC TOPSIDE TENSIONING	282 to 3216 kN (28.7 to 328 Metric Tons)	M24 to M100 Standard (Custom Bolt Sizes Available)
HYDRAULIC STROKE	**MODULAR ARCHITECTURE**	**RETURN MECHANISM**
8 mm to 12 mm Axial Extension	4-Component Design with Interchangeable Threaded Sleeves	Precision Spring-Return & Rapid Load-Return Available

Model	Thread	Max Force [kN]	Eff. Area [mm²]	ØA (Cyl. OD) [mm]	ØB (Puller OD) [mm]	ØC (Bridge OD) [mm]	D (Cyl. Ht.) [mm]	E (Body Ht.) [mm]	F (Total Ht.) [mm]	G (Nut Hex AF) [mm]	Stroke [mm]
HST-S1-M24	M24	282	1885	86	68	68	54	83	103	37	8
HST-S1-M27	M27	282	1885	86	68	72	54	86	106	42	8
HST-S2-M24	M24	452	3016	112	92	75	60	89	111	37	10
HST-S2-M27	M27	452	3016	112	92	75	60	92	114	42	10
HST-S2-M30	M30	452	3016	112	92	80	60	95	117	47	10
HST-S2-M33	M33	452	3016	112	92	85	60	98	120	51	10
HST-S2-M36	M36	452	3016	112	92	90	60	101	123	56	10
HST-S3-M39	M39	671	4477	134	107	95	65	101	126	61	10
HST-S3-M42	M42	671	4477	134	107	100	65	104	129	66	10
HST-S3-M45	M45	671	4477	134	107	105	65	107	132	71	10
HST-S3-M48	M48	671	4477	134	107	110	65	111	135	76	10
HST-S4-M39	M39	1009	6730	152	114	112	65	107	129	61	10
HST-S4-M42	M42	1009	6730	152	114	115	65	110	132	66	10
HST-S4-M45	M45	1009	6730	152	114	120	65	113	135	71	10
HST-S4-M48	M48	1009	6730	152	114	125	65	116	138	76	10
HST-S5-M52	M52	1538	10254	195	147	148	69	123	155	81	10
HST-S5-M56	M56	1538	10254	195	147	153	69	127	159	86	10
HST-S5-M60	M60	1538	10254	195	147	158	69	131	163	91	10
HST-S5-M64	M64	1538	10254	195	147	163	69	135	167	96	10
HST-S5-M68	M68	1538	10254	195	147	168	69	139	171	101	10
HST-S6-M72	M72	2544	16965	255	194	191	78	156	196	106	12
HST-S6-M76	M76	2544	16965	255	194	196	78	160	200	111	12
HST-S6-M80	M80	2544	16965	255	194	200	78	164	204	116	12
HST-S6-M85	M85	2544	16965	255	194	204	78	169	209	121	12
HST-S6-M90	M90	2544	16965	255	194	214	78	174	214	131	12
HST-S7-M90	M90	3216	21441	280	213	225	82	175	209	131	12
HST-S7-M95	M95	3216	21441	280	213	235	82	180	214	136	12
HST-S7-M100	M100	3216	21441	280	213	245	82	186	220	146	12