EziJac B3S Modular Spring Return Hydraulic Bolt Tensioner

- Eliminates Pinch Points & Hammering
- Precise Multi-Point Flange Tensioning
- Modular Interchangeable Adaptor Kits
- Automatic Spring Return Mechanism

The **B3S Series EziJac** is a modular hydraulic bolt tensioner featuring an integrated spring return mechanism.

This advanced system automatically resets the tool to its full working stroke after each use, significantly reducing assembly time for critical jointing applications.

Its modular design provides high versatility, allowing multiple adaptor kits to be interchanged with a single load cell. This ensures accurate and repeatable loading while eliminating the pinch points and safety risks associated with traditional power wrenches or hammer tightening.

Operation

The **B3S Series EziJac** uses hydraulic power to tension a bolt to the exact load required, eliminating rotational and torsional stresses. Once the bolt is tensioned, the standard nut is wound down the thread to retain the load.

Upon depressurisation, the spring return mechanism automatically retracts the piston, resetting the tool for the next task. This efficient cycle allows for remote pumping, keeping operators away from the immediate work area.

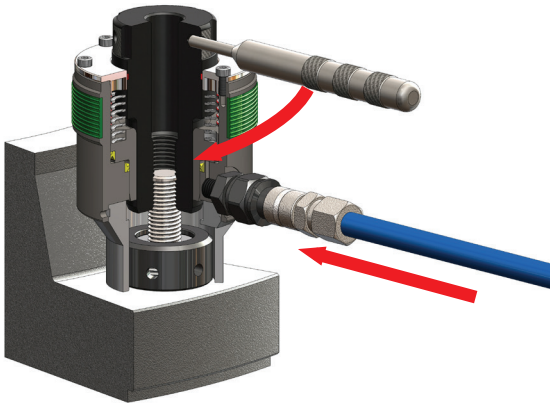
For applications such as flanges, multiple units can be interlinked to provide simultaneous tensioning and even gasket compression.

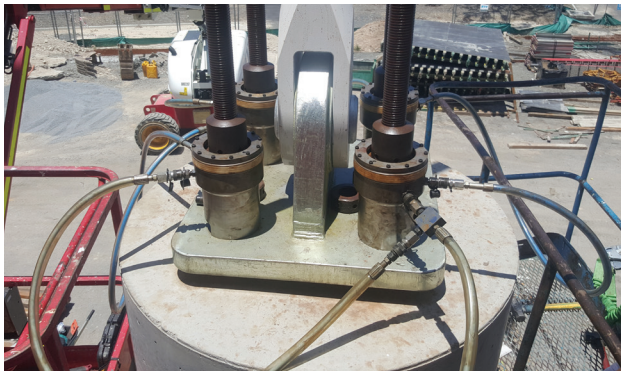
Features

The **B3S Series EziJac** is designed for high-performance and a long service life in difficult nut locations.

Some features of the **B3S EziJac** are:

- Modular design supports interchangeable adaptor kits
- Spring return piston provides automatic retraction
- Integrated stroke indicator monitors tool travel
- Nitrile components increase overall tool life
- Leak-free low-friction seals ensure reliable operation
- Long stroke capability suits diverse applications
- Optional second port allows for interconnection
- Compact profile fits confined and difficult spaces

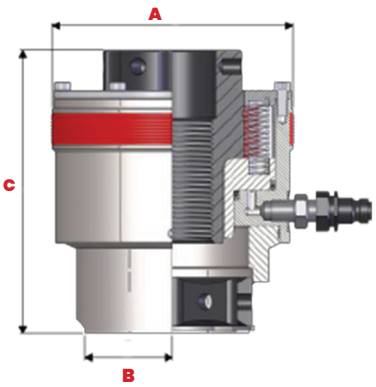


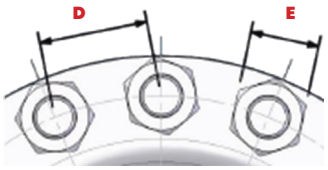


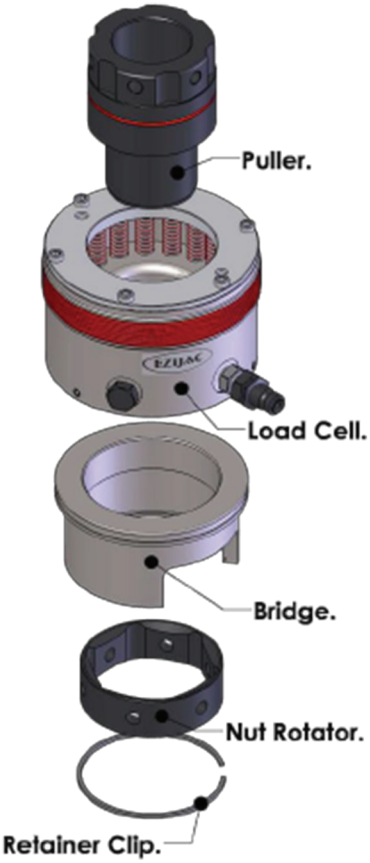
Specifications

Tool #	Size Imp	Size Metric	Kit # (P= TPI pitch)	Max Force (kN)	(A) Total O.D.	(D) Min Pitch	(B) Relief	(C) Total Height	(E) Nut A.F.	Nut Height.	Weight (kg)
B3S-L2	7/8"		SL2-014XP			59	26	122	36.5	22.5	
	1"		SL2-100XP			59	29	122	41.3	25.7	
		M24	SL2-M24X30	361.9	88	59	29	123.5	41	24.2	3.1
	1.1/8"		SL2-102XP			60	32	125	46	28.9	
		M27	SL2-M27X30			60	32	124.5	46	27.6	
B3S-L3		M30	SL3-M30X35			72	36	137.5	50	30.7	
	1.1/4"		SL3-104XP			73	36	140.5	50.8	31.8	
		M33	SL3-M33X35	547.4	105	73	36	142	55	33.7	5
	1.3/8		SL3-106XP			76	39	143.5	55.6	35	
		M36	SL3-M36X40			76	39	144	60	36.6	
B3S-L4	1.1/4"		SL4-104XP			77	36	142	50.6	31.8	
		M33	SL4-M33X35			77	36	146	55	33.7	
	1.3/8"		SL4-106XP	667.6	116	78	39	148.5	55.8	35	6.3
		M36	SL4-M36X40			78	39	149	60	36.6	
	1.1/2"		SL4-108XP			80	42	150	60.3	38.2	
		M39	SL4-M39X40			80	42	150	65	39.6	
B3S-L5	1.1/2"		SL5-108XP			89	42	161.5	60.3	38.2	
		M39	SL5-M39X40			89	42	165	65	39.6	
	1.5/8"		SL5-110XP	965.4	134	91	45	166.5	65.1	41.5	
		M42	SL5-M42X45			91	45	167	70	42	9.2
	1.3/4"		SL5-112XP			94	49	170.5	69.9	44.7	
		M45	SL5-M45X45			94	49	168	75	45	
B3S-L6	1.5/8"		SL6-110XP			99	45	166.5	65.1	41.5	
		M42	SL6-M42X45			99	45	169	70	42	
	1.3/4"		SL6-112XP			101	49	170.5	69.9	44.7	
		M45	SL6-M45X45	1217	149	101	49	172	75	45	
	1.7/8"		SL6-114XP			102	51	173.5	74.6	47.9	11.6
		M48	SL6-M48X50			102	51	178	80	48	
	2"		SL6-200XP			105	54	176.5	79.4	51.1	
		M52	SL6-M52X50			105	54	178	85	52	
B3S-L7	1.7/8"		SL7-114XP			110	51	171.5	74.6	47.9	
		M48	SL7-M48X50			110	51	170	80	48	
	2"		SL7-200XP	1498	162	112	54	174.5	79.4	51.1	
		M52	SL7-M52X50			112	54	177	85	52	14.5
	2.1/4"		SL7-204XP			119	59	180.5	88.9	57.2	
		M56	SL7-M56X55			119	59	180	90	56	
B3S-L8	2.1/4"		SL8-204XP			124	59	185	88.9	57.2	
		M56	SL8-M56X55			124	59	184	90	56	
		M60	SL8-M60X55	1901	184	131	65	187	95	60	20
	2.1/2"		SL8-208XP			131	65	192	98.4	63.6	
		M64	SL8-M64X60			131	65	192	100	64	
B3S-L9	2.1/2"		SL9-208XP			136	65	193.5	98.4	63.6	
		M64	SL9-M64X60			136	65	193	100	64	
		M68	SL9-M68X60	2510	204	146	71	197.5	105	68	26.2
	2.3/4"		SL9-212XP			146	71	200.5	108	70.1	
		M72	SL9-M72X60			146	71	201.5	110	72	
B3S-L10	2.3/4"		SL10-212XP			150	71	203	108		
		M72	SL10-M72X60	2905	219	150	71	205	110	70.1	
	3"		SL10-300XP			157	77	212	117.5	72	31.1
		M76	SL10-M76X60			157	77	209	115	76.5	
	3"		SL11-300XP			161	77	209	117.5	76	
B3S-L11		M76	SL11-M76X60			161	77	209	115	76.5	
		M80	SL11-M80X60			163	77	213	120	76	
	3.1/4"		SL11-304XP	3 687	247	175	87	216	127	80	
		M85	SL11-M85X60			175	87	217	125	82.6	39
	3.1/2"		SL11-308XP			177	93	222	136.5	85	
		M90	SL11-M90X60			177	93	223	135	89.1	
	3.3/4"		SL12-312XP			202	99	232.5	146.1	90	
B3S-L12		M95	SL12-M95X60			202	99	235	145	95.5	
	4"		SL12-400XP	4929	284	212	105	242.5	155.6	95	55.9
		M100	SL12-M100X60			212	105	240	150	102	

If the standard product does not fit within your space restrictions or load requirements, custom designs are our speciality and are available upon request. These dimensions are a guide only.







- Stroke for all Models is 15.0 mm
- Maximum Force is generated at 150 MPa.
- The EziJac is ordered as a complete tool, for example: B3S-L4-M36X40 is specified to suit M36 x 4.
- Adaptor kits are ordered separately, for example SL4-M36X40 is specified to suit M36 X 4. For Imperial Sizes, P = Thread Pitch in Threads Per Inch (TPI).