

HydraJac A3 Modular

A3 Modular Description

The HydraJac Stud Tensioner provides accurate and versatile tensioning of bolts and studs whilst being fast, simple and safe to use.



The HydraJac uses hydraulic pressure to tension the bolt to the exact load required. Once the application has been tensioned, the nut is wound down the thread to retain the load. The HydraJac is then de-pressurised, released and ready to use again.

Any number of HydraJacs can be interlinked to provide even amounts of simultaneous tension over multiple studs or bolts as required.

Produced from high strength alloy steel, HydraJac Stud Tensioners are made in standard configurations. They can also be made to suit the requirements of a specific application.

Applications

Typical HydraJac applications are found in many industries, including:

- Mining & Quarrying
- Oil & Gas
- Marine
- Power Generation
- Agricultural
- Structural
- Heavy Equipment in general industry
- Chemical Plants

Features

The HydraJac provides the following advantages:

- Reduces maintenance down time.
- Improves safety on the job by eliminating hammer tightening.
- Gives reliable and precise tensioning
- Is user friendly - fast to fit and remove.
- Requires little physical effort.
- Is ideal for confined spaces or difficult locations.
- Multiple tensioning for leak-free flange makeup.



Although smaller and lighter than many competitive types, HydraJac Stud Tensioners are capable of high application forces. The higher forces generated by HydraJac devices permit their use with bolts of very high tensile strength, for example, in bolting of highly stresses assemblies or those prone to destructive vibration.

HydraJacs are designed for durability and manufactured with ease of servicing, with readily available spare parts.

Agent contact details



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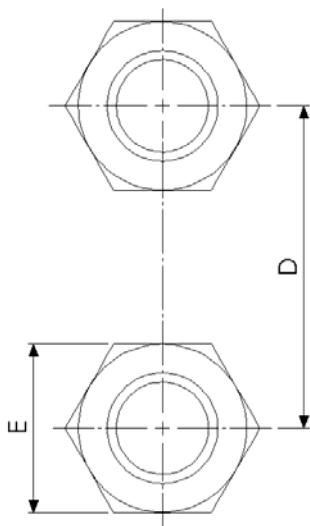
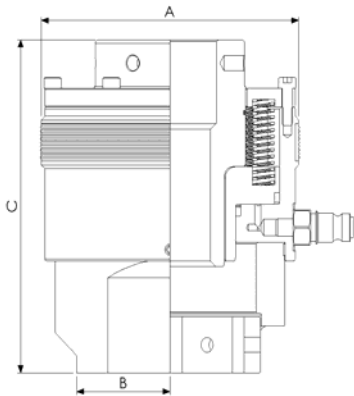
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These dimensions are a guide only, If our standard product does not fit within your space restrictions please contact our office and one of our technical staff will design a solution for your tensioning requirements.

HydraJac A3 Model Specifications

All dimensions in millimetres



Tool #	Size Imp	Size ISO	Kit # P=Pitch	Max-Force kN	O/D (A)	Min Pitch (D)	Relief (B)	Height (C)	Nut Thick	Nut A.F (E)	Total Weight	A/K Weig
T2	7/8"		T2-014XP	361	88	59	26	117	21.8	36.5	3.1	1.5
	1"		T2-100XP			59	29	117	25.7	41.3		
		M24	T2-M24X30			59	29	117	24.2	41		
	1.1/8"		T2-102XP			60	32	124	28.9	46		
		M27	T2-M27X30			60	32	124	27.6	46		
T3		M30	T3-M30X35	546	104	72	36	142	30.7	50	4.2	2.3
	1.1/4"		T3-104XP			73	36	142	31.8	50.8		
		M33	T3-M33X35			73	36	145	33.7	55		
	1.3/8"		T3-106XP			76	39	147	35	55.8		
		M36	T3-M36X40			76	39	147	36.6	60		
T4	1.1/4"		T4-104XP	666	114	77	36	144	31.8	50.8	6.1	3.1
		M33	T4-M33X35			77	36	146	33.7	55		
	1.3/8"		T4-106XP			78	39	147	35	55.8		
		M36	T4-M36X40			78	39	149	36.6	60		
	1.1/2"		T4-108XP			80	42	150	38.2	60.4		
		M39	T4-M39X40			80	42	151	39.6	65		
T5	1.1/2"		T5-108XP	964	134	89	42	166	38.2	60.4	9.8	5.2
		M39	T5-M39X40			89	42	169	39.6	65		
	1.5/8"		T5-110XP			91	45	170	41.5	65.1		
		M42	T5-M42X45			91	45	173	42	70		
	1.3/4"		T5-112XP			94	49	174	44.7	69.9		
		M45	T5-M45X45			94	49	174	45	75		
T6	1.5/8"		T6-110XP	1 217	149	99	45	166	41.5	65.1	11.6	5.8
		M42	T6-M42X45			99	45	167	42	70		
	1.3/4"		T6-112XP			101	49	170	44.7	69.9		
		M45	T6-M45X45			101	49	170	45	75		
	1.7/8"		T6-114XP			102	51	173	47.9	74.7		
		M48	T6-M48X50			102	51	171	48	80		
	2"		T6-200XP			105	54	176	51.1	79.4		
		M52	T6-M52X50			105	54	178	52	85		
T7	1.7/8"		T7-114XP	1 496	162	110	51	181	47.9	74.7	13.7	6.9
		M48	T7-M48X50			110	51	181	48	80		
	2"		T7-200XP			112	54	181	51.1	79.4		
		M52	T7-M52X50			112	54	181	52	85		
	2.1/4"		T7-204XP			119	59	185	57.2	88.9		
		M56	T7-M56X55			119	59	185	56	90		
T8	2.1/4"		T8-204XP	1 900	184	124	59	186	57.2	88.9	21.0	10.6
		M56	T8-M56X55			124	59	186	56	90		
		M60	T8-M60X55			131	65	191	60	95		
	2.1/2"		T8-208XP			131	65	193	63.7	98.5		
		M64	T8-M64X60			131	65	193	64	100		
T9	2.1/2"		T9-208XP	2 508	202	136	65	203	63.7	98.5	26.2	13.5
		M64	T9-M64X60			136	65	203	64	100		
		M68	T9-M68X60			146	71	207	68	105		
	2.3/4"		T9-212XP			146	71	209	70.1	108		
		M72	T9-M72X60			146	71	211	72	110		
T10	2.3/4"		T10-212XP	2 903	219	150	71	213	70.1	108	31.1	15.2
		M72	T10-M72X60			150	71	215	72	110		
	3"		T10-300XP			157	77	220	76.5	117.5		
		M76	T10-M76X60			157	77	220	76	115		
T11	3"		T11-300XP	3 777	242	161	77	224	76.5	117.5	39.0	19.6
		M76	T11-M76X60			161	77	224	76	115		
		M80	T11-M80X60			163	77	227	80	120		
	3.1/4"		T11-304XP			175	87	230	82.6	127		
		M85	T11-M85X60			175	87	234	85	125		
	3.1/2"		T11-308XP			177	93	236	89.1	136.5		
		M90	T11-M90X60			177	93	239	90	135		
T12	3.3/4"		T12-312XP	4 927	280	202	99	238	95.5	146	55.9	27.4
		M95	T12-M95X60			202	99	238	95	145		
	4"		T12-400XP			212	105	245	102	155.6		
		M100	T12-			212	105	245	100	150		

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- Stroke for all models is 15mm.
- Maximum force is generated at 150 MPa.
- HydraJac ordered as a complete tool, for example: A3S-T4-M36X40 is specified to suit M36 x 4.