

HydraJac A2 Dedicated

HydraJac



The HydraJac Stud Tensioner utilizes the power of hydraulic pressure to easily produce the forces necessary to effectively tension bolts and studs. Once the HydraJac is in place, screwed onto the bolt's thread over the standard nut, the required pressure is applied to stretch the bolt to its recommended preload, and the nut screwed down to retain the load. The pressure is relieved, the HydraJac removed and is ready to use again.

HydraJac Dedicated Thread Stud Tensioners provide the answer to many of the fitting problems associated with using larger tensioning equipment. They are also ideal for single task applications which do not require interchangeability of thread sizes.



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.

Operation of HydraJac at typical lower charge pressures requires less use of costly pumping equipment, and with an improved degree of safety. All HydraJac tensioners are designed to use seals which can be easily replaced in minutes, eliminating expensive repairs.



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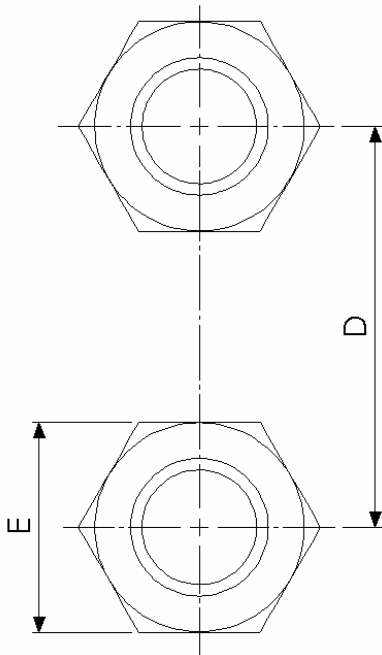
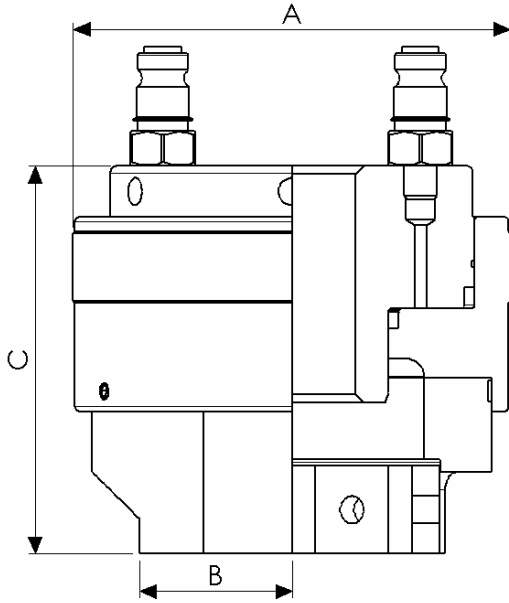
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These dimensions are a guide only. If our standard product does not fit within your space restrictions please contact our office and one of our technical staff will design a solution for your tensioning requirements.

HydraJac A2 Dedicated Model Specifications



Model #	Size Imp	Size ISO	Max Force kN	O.D. (A)	Min Pitch (D)	Relief (B)	Height (C)	Nut A.F. (E)	Weight
A2I010X11	5/8"		137	52	41	23	72	16	0.9
A2M16X20		M16			41	23	72	27	
A2M18X25		M18	185	62	46	23	76	30	1.2
A2I012X10	3/4"		185	60	46	24	76	31.8	
A2M20X25		M20	225	67	51	26	82	34	1.4
A2M22X25		M22	285	72	51	26	84	36	1.9
A2I014X9	7/8"		285	72	51	26	84	36.6	
A2M24X30		M24	235	78	59	29	87	41	2.0
A2I100X8	1"		352	79	59	29	87	41.3	
A2M27X30		M27	483	90	65	36	93	46	2.7
A2I102X8	1.1/8"		483	91	65	36	93	46	
A2M30X35		M30			72	36	93	50	
A2I104X8	1.1/4"		602	96	73	36	96	50.8	3.1
A2M33X35		M33	732	108	76	39	103	55	4.6
A2I106X8	1.3/8"		732	108	76	39	105	55.8	
A2M36X40		M36	873	118	80	42	108	60	5.5
A2I108X8	1.1/2"				80	42	108	60.4	
A2M39X40		M39			89	42	112	65	
A2M42X45		M42	988	129	91	45	114	70	6.1
A2I110X8	1.5/8"				91	45	114	65.1	
A2M45X45		M45	1026	130	94	49	118	75	6.7
A2I112X8	1.3/4"		1026	131	94	49	118	69.9	
A2M48X50		M48	1240	143	102	51	127	80	9.2
A2I114X8	1.7/8"		1240	143	102	51	129	74.7	
A2M52X50		M52	1376	151	110	54	123	85	10.4
A2I200X8	2"		1376	151	106	54	123	79.4	
A2M56X55		M56	1568	161	119	59	143	90	14.4
A2I204X8	2.1/4"		1568	161	119	54	123	88.9	
A2M60X55		M60			131	65	142	95	
A2M64X60		M64	1935	178	131	65	151	100	16.2
A2I208X8	2.1/2"		1933	179	131	65	152	98.5	
A2M68X60		M68			146	71	151	105	
A2M72X60		M72	2280	190	146	71	164	110	19.5
A2I212X8	2.3/4"				146	71	159	108	
A2I300X8	3"		2779	215	160	77	177	117.5	23.8
A2M76X60		M76			160	77	177	115	
A2M80X60		M80		215	161	77	177	120	
A2I304X8	3.1/4"		3192	230	172	87	197	127	31.0
A2M85X60		M85	3056		230	87	180	125	
A2I308X8	3.1/2"		3777	250	177	93	202	136.5	38.6
A2M90X60		M90			177	93	202	135	
A2I312X8	3.3/4"		4256	265	202	96	218	146	51.4
A2M95X60		M95			202	96	218	145	
A2I400X8	4"		4926	285	212	105	225	155.6	61.9
A2M100X60		M100			212	105	225	150	

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- Stroke for all models is 15 mm
- Maximum force is generated at 150 MPa
- A2M42X45 model number is read as M42 x 4.5 pitch
- A2I110X8 model number is read as 1.5/8" x 8 tpi, (imperial numbers are written as 16th of an inch)