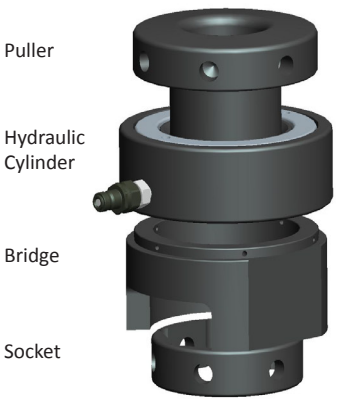
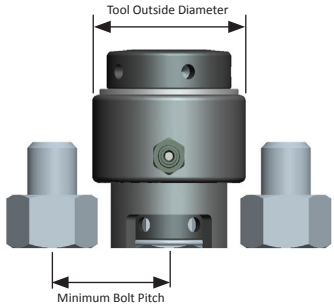
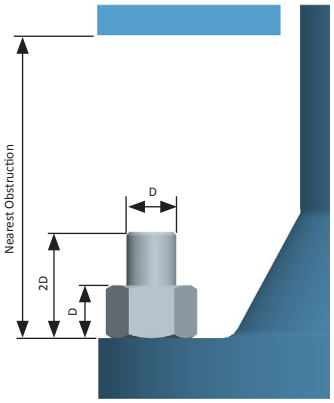


Hydraulic Bolt Tensioning Tools (1500 bar)







Inch sizes (metric sizes also available)

Tool No	Bolt Diameters	Stroke	Hydraulic Area	Max Load		Tool Outside Dia	Min Bolt Pitch	Nearest Obstruction
	inches	mm	mm^2	kN	lbf	mm	mm	mm
21	3/4 7/8 1 1-1/8	12	1,555	233	52,380	73	53 53 62 62	145
22	*1-1/8* 1-1/4 1-3/8 1-1/2	15	2,884	433	97,342	105	62 73 81 83	175
23	*1-1/2* 1-5/8 1-3/4 1-7/8 2	15	5,271	791	177,823	136	83 93 96 101 104	200
24	*2* 2-1/4 2-1/2	15	8,445	1,267	284,832	172	104 123 129	230
25	*2-1/2* 2-3/4 3	15	12,197	1,830	411,400	200	129 150 154	255
26	*3* 3-1/4 3-1/2	15	16,682	2,502	562,471	235	154 176 185	288
27	*3-1/2* 3-3/4 4	15	17,530	2,629	593,270	245	185 191 197	320

NOTES

1. Maximum load is generated at the maximum operating pressure of 1500 bar.
2. For hoses fittings and pumps request data sheets 601, 602, and 603
3. Unless specified inch size tooling will be threaded UNC up to 1 inch and UN8 for 1-1/8 inch upwards.
4. Equivalent metric sizes are also available. Specify diameter and thread pitch when ordering.
5. This range of tooling has been designed to suit most standard flanges used in the oil and gas industry.
6. Each tool comprises one hydraulic cylinder, bridge, puller and socket.
7. Extra bridges, pullers and sockets can be purchased to adapt the hydraulic cylinder to fit other bolt sizes.
8. All tools are assembled, filled with oil, pressure tested and a test certificate issued prior to despatch.
9. Each tool is marked with the maximum operating pressure, load and stroke. All tools are CE marked.
10. Any number of tools can be connected together for simultaneous operation.
11. Pullers can be machined with other thread forms - specify when ordering.
12. Larger bolt sizes are available. Send application details.
13. Tools are fitted with self sealing quick connectors.
14. Due to continuous product development dimensions may change without notice.

Options available :-

1. Twin hydraulic connections
2. Other thread forms
3. Special designs

*Tool size available but non-standard so will have a longer lead time and greater cost than standard tooling. Please contact us for a quotation.

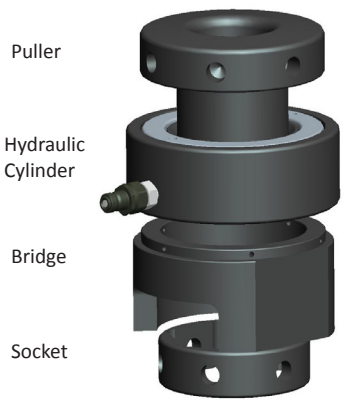


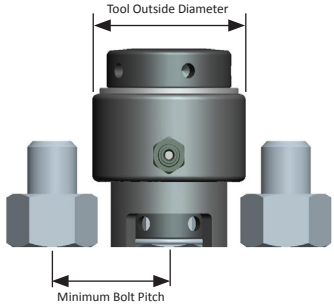
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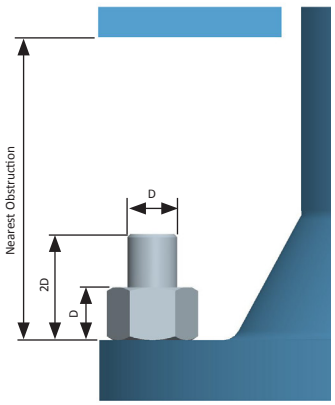
Boltight Limited, Unit 2, Junction 10 Business Park, Bentley Mill Way, Walsall, West Midlands, WS2 0LE, United Kingdom.
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Hydraulic Bolt Tensioning Tools (1500 bar)







Metric sizes (inch sizes also available)

Tool No	Bolt Diameters	Stroke	Hydraulic Area ^{2}	Max Load		Tool Outside Dia	Min Bolt Pitch	Nearest Obstruction
	metric	mm	mm	kN	lbf	mm	mm	mm
21	M16 M20 M22 M24 M27	12	1,555	233	52,380	73	53 53 53 62 62	145
22	*M27* M30 M33 M36 M39	15	2,884	433	97,342	105	62 73 73 81 83	175
23	*M39* M42 M45 M48 M52	15	5,271	791	177,823	136	83 93 96 101 104	200
24	*M52* M56 M64	15	8,445	1,267	284,832	172	104 123 129	230
25	*M64* M72 M76	15	12,197	1,830	411,400	200	129 150 154	255
26	*M76* M80 M90	15	16,682	2,502	562,471	235	154 176 185	288
27	*M90* M95 M100	15	17,530	2,629	593,270	245	185 191 197	320



NOTES

1. Maximum load is generated at the maximum operating pressure of 1500 bar.
2. For hoses fittings and pumps request data sheets 601, 602, and 603
3. Unless specified inch size tooling will be threaded UNC up to 1 inch and UN8 for 1-1/8 inch upwards.
4. Equivalent metric sizes are also available. Specify diameter and thread pitch when ordering.
5. This range of tooling has been designed to suit most standard flanges used in the oil and gas industry.
6. Each tool comprises one hydraulic cylinder, bridge, puller and socket.
7. Extra bridges, pullers and sockets can be purchased to adapt the hydraulic cylinder to fit other bolt sizes.
8. All tools are assembled, filled with oil, pressure tested and a test certificate issued prior to despatch.
9. Each tool is marked with the maximum operating pressure, load and stroke. All tools are CE marked.
10. Any number of tools can be connected together for simultaneous operation.
11. Pullers can be machined with other thread forms - specify when ordering.
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Options available :-

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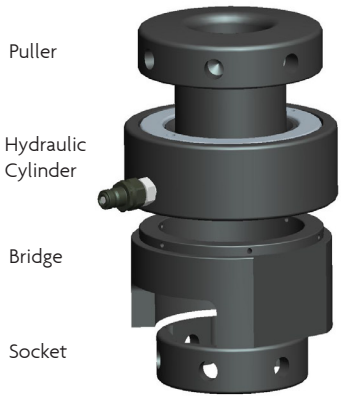
*Tool size available but non-standard so will have a longer lead time and greater cost than standard tooling. Please contact us for a quotation.

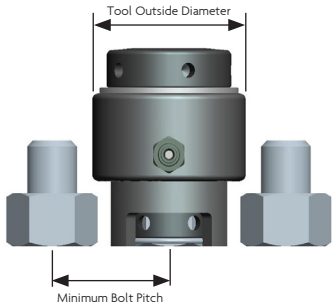
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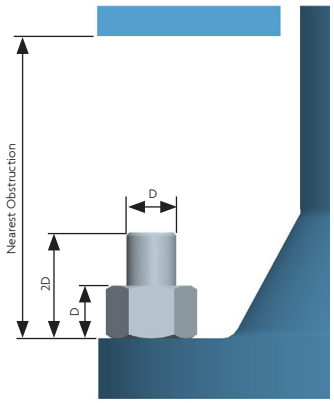
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Hydraulic Bolt Tensioning Tools (1500 bar)







Additions to Standard Range

Tool additions to cover higher bolt load and/or reduced diameter applications required in the medium bolt size range. These tools are stocked and available for quick delivery.

Tensioner 23B utilises the same Bridge and Socket as the standard 23 tooling.

	Bolt Diameters	Stroke	Hydraulic Area	Max Load		Tool Outside Dia	Min Bolt Pitch	Nearest Obstruction
	inch/metric	mm	mm^2	kN	lbf	mm	mm	mm
23B	1-5/8 1-3/4 1-7/8 2	15	6,320	948	213,118	144	97 99 100 101	200
23B	M42 M45 M48 M52	15	6,320	948	213,118	144	97 99 100 102	200
29	1-7/8 2 2-1/4	15	6,983	1,047	235,374	156	112 115 120	230
29	M48 M52 M56	15	6,983	1,047	235,374	156	106 110 112	230



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