



## 8 Tensioners capable of Tensioning over 400 Standard Flanges...

### Technical Specifications

Maximum Working Pressure: 1500Bar : 21750psi  
 Maximum ram stroke (Tools 01 to 07): 30mm : 1.181"  
 Maximum ram stroke (Tool 00): 20mm : 0.787"

#### Inch Threads

Bolt Dia	Thread Pitch	Tool Dia	Effective Side Diameter	Tool Height	Radial Dim'n	Max Initial Bolt Load	Hydraulic Area	Ram Stroke	Extra Stud Length (Inc 3xPitches extra)	Headroom Dimension	Across Flats	Radial Dim'n	Dim'n
D	A	F	B	C					G	E	H	J	K
Inch		mm	mm	mm	mm	kN	mm <sup>2</sup>	mm	mm	mm	mm	mm	mm
C8-00	0.75 UNC	66.0	66.0	123	20	190.21	1268.42	20	113.5	214.5	50.2	31.6	97.00
	0.875 UNC	66.0	66.0	123	20	190.21	1268.42	20	110.3	214.5	50.2	31.6	97.00
C8-01	1 8-UN	87.0	87.0	153	25	328.87	2193.02	30	137.1	270.5	65	41.5	127.00
	1.125 8-UN	87.0	87.0	153	25	328.87	2193.02	30	134.0	270.5	65	41.5	127.00
C8-02	1.25 8-UN	104.5	104.5	165	28	514.84	3433.17	30	142.8	286.5	82.5	50.2	135.00
	1.375 8-UN	104.5	104.5	165	28	514.84	3433.17	30	139.6	286.5	82.5	50.2	135.00
C8-03	1.5 8-UN	123.1	118.3	185	35	746.70	4979.3	30	155.9	321.5	90	59.1	150.50
	1.625 8-UN	123.1	118.3	185	35	746.70	4979.3	30	152.8	321.5	90	59.1	150.50
C8-04	1.75 8-UN	150.0	143.5	211	48	1177.31	7850.8	30	175.8	365.0	110	71.7	169.75
	1.875 8-UN	150.0	143.5	211	48	1177.31	7850.8	30	172.7	365.0	110	71.7	169.75
C8-05	2 8-UN	150.0	143.5	211	48	1177.31	7850.8	30	169.5	365.0	110	71.7	169.75
	2.25 8-UN	182.5	174.3	236	59	1904.04	12696.9	30	188.1	393.0	136	87.1	179.75
C8-06	2.5 8-UN	182.5	174.3	236	59	1904.04	12696.9	30	181.8	393.0	136	87.1	179.75
	2.75 8-UN	210.0	210.0	260	65	2542.11	16951.8	30	199.4	432.0	163.5	105	199.75
C8-07	3 8-UN	210.0	210.0	260	65	2542.11	16951.8	30	193.1	432.0	163.5	105	199.75
	3.25 8-UN	258.1	258.1	303	85	4059.32	27069.2	30	229.8	492.6	204	129	232.25
	3.5 8-UN	258.1	258.1	303	85	4059.32	27069.2	30	223.4	492.6	204	129	232.25
	3.75 8-UN	258.1	258.1	303	85	4059.32	27069.2	30	217.1	492.6	204	129	232.25

#### Metric Threads

Bolt Dia	Thread Pitch	Tool Dia	Effective Side Diameter	Tool Height	Radial Dim'n	Max Initial Bolt Load	Hydraulic Area	Ram Stroke	Extra Stud Length (Including 3xPitches extra)	Headroom Dimension	Across Flats	Radial Dim'n	Dim'n
D	A	F	B	C					G	E	H	J	K
Metric		mm	mm	mm	mm	kN	mm <sup>2</sup>	mm	mm	mm	mm	mm	mm
C8-00	20 2.5	66.0	66.0	123	20	190.21	1268.4	20	110.5	212.5	50.2	31.6	97.00
	22 2.5	66.0	66.0	123	20	190.21	1268.4	20	108.5	212.5	50.2	31.6	97.00
C8-01	24 3	87.0	87.0	153	25	328.87	2193	30	138	270	65	41.5	127.00
	27 3	87.0	87.0	153	25	328.87	2193	30	135	270	65	41.5	127.00
	30 3.5	87.0	87.0	153	25	328.87	2193	30	133.5	271.5	65	41.5	127.00
C8-02	33 3.5	104.5	104.5	165	28	514.84	3433.2	30	142.5	287.5	82.5	50.2	135.00
	36 4	104.5	104.5	165	28	514.84	3433.2	30	141	289	82.5	50.2	135.00
C8-03	39 4	123.1	118.3	185	35	746.70	4979.3	30	158	324.5	90	59.1	150.50
	42 4.5	123.1	118.3	185	35	746.70	4979.3	30	156.5	326	90	59.1	150.50
C8-04	45 4.5	150.0	143.5	211	48	1177.31	7850.8	30	179.5	369.25	110	71.7	169.75
	48 5	150.0	143.5	211	48	1177.31	7850.8	30	178	370.75	110	71.7	169.75
	52 5	150.0	143.5	211	48	1177.31	7850.8	30	174	370.75	110	71.7	169.75
C8-05	56 5.5	182.5	174.3	236	59	1904.04	12697	30	196.5	400.25	136	87.1	179.75
	60 5.5	182.5	174.3	236	59	1904.04	12697	30	192.5	400.25	136	87.1	179.75
	64 6	182.5	174.3	236	59	1904.04	12697	30	190	401.75	136	87.1	179.75
C8-06	68 6	210.0	210.0	260	65	2542.11	16952	30	210	440.75	163.5	105	199.75
	72 6	210.0	210.0	260	65	2542.11	16952	30	206	440.75	163.5	105	199.75
	76 6	210.0	210.0	260	65	2542.11	16952	30	202	440.75	163.5	105	199.75
C8-07	80 6	258.1	258.1	303	85	4059.32	27069	30	241	501.25	204	129	232.25
	85 6	258.1	258.1	303	85	4059.32	27069	30	236	501.25	204	129	232.25
	90 6	258.1	258.1	303	85	4059.32	27069	30	231	501.25	204	129	232.25
	95 6	258.1	258.1	303	85	4059.32	27069	30	226	501.25	204	129	232.25

## 8 Tensioners capable of Tensioning over 400 Standard Flanges.

SPO\* Vector - Compact Flanges:

- 150 class
- 300 Class
- 600 Class
- 900 Class
- 1500 Class
- 2500 Class
- 7500 Class Formerly 4500i Class
- 10000 Class
- 15000 Class

ANSI B16.5 Flanges  
 ANSI B16.47 Flanges  
 MSS-SP44 Flanges  
 API-6A Flanges  
 API-17D Flanges

\*Vector SPO is a trademark of Vector International Limited. All rights reserved