

GENERAL PURPOSE

C Series

5-100 TONS

Single Acting, Spring Return

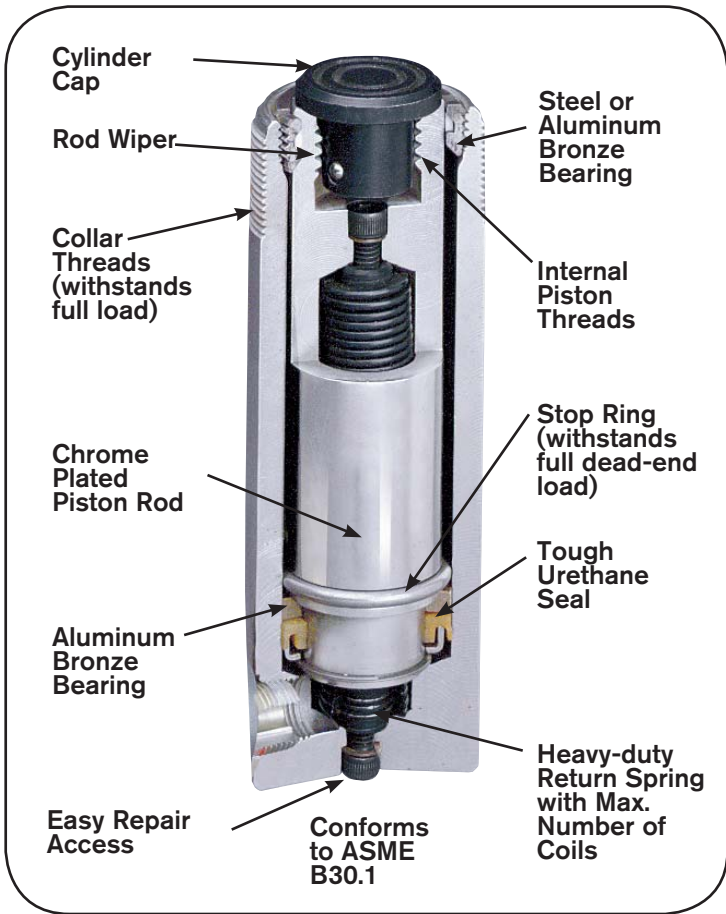
RUGGED, HIGH QUALITY CYLINDER USED FOR LIFTING AND PRESSING

- Aluminum bronze bearing reduces wear caused by off-center loads.
- Maximum sized springs speed piston return and increase spring life.
- Solid steel cylinder body for durability.
- Chrome plated piston rod resists wear and corrosion.
- Wide range of accessories available to thread onto piston rod, collar, or onto cylinder base.
- Base mounting holes standard on 5 through 55 ton cylinders; optional on 75 and 100 ton cylinders.
- A 3/8" NPTF female half coupler is standard.



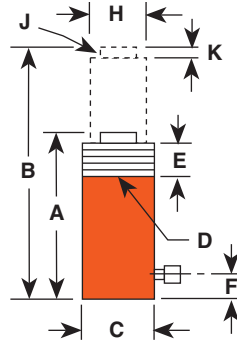
Cylinder Tonnage	No. Holes	Thread Size	Thread Depth	Bolt Circle Diameter (in.)
5	2†	1/4-20	0.38	1.00
10		5/16-18		1.56
15		3/8-16	0.50	1.88
25		1/2-13	0.75	2.31
55				3.75
*Optional 75	4	3/4-10	1.00	4.50
*Optional 100		1-8		4.75

* Consult Factory (45° from coupler) † 90° from coupler.



C756C

"C" Series Cyl. Caps, see page 233.



Cyl Cap Tons	Stroke (in.)	Order No.	Oil Cap. (cu.in)	A	B	C	D	E	F	H	J	K	Cylinder Effective Area (sq. in.)	Internal Press. at Cap. (psi)	Tons at 10,000 (psi)	Prod. Wt. (lbs.)	
				Re- tracted Height (in.)	Ex- tended Height (in.)	Outside Dia. (in.)	Collar Thread (in.)	Collar Thread Length (in.)	Base to Rod Dia. (in.)	Piston Rod Dia. (in.)	Piston Rod and Depth (in.)	Rod Protru- sion (in.)					Bore Dia. (in.)
5	1	C51C	1.1	4 ¹¹ / ₃₂	5 ⁷ / ₁₆	1 ¹ / ₂	1 ¹ / ₂ -16	1 ¹ / ₈	3 ⁴ / ₄	1	3 ⁴ / ₄ -16 x 5 ⁸ / ₈	1 ⁴ / ₄	1 ¹ / ₈	.994	10,061	4.97	2.25
	3 ¹ / ₄	C53C	3.2	6 ¹ / ₂	9 ³ / ₄	1 ¹ / ₂	1 ¹ / ₂ -16	1 ¹ / ₈	3 ⁴ / ₄	1	3 ⁴ / ₄ -16 x 5 ⁸ / ₈	1 ⁴ / ₄	1 ¹ / ₈	.994	10,061	4.97	3.26
	5 ¹ / ₄	C55C	5.2	8 ¹ / ₂	13 ³ / ₄	1 ¹ / ₂	1 ¹ / ₂ -16	1 ¹ / ₈	3 ⁴ / ₄	1	3 ⁴ / ₄ -16 x 5 ⁸ / ₈	1 ⁴ / ₄	1 ¹ / ₈	.994	10,061	4.97	4
	7 ¹ / ₄	C57C	7.2	10 ³ / ₄	18	1 ¹ / ₂	1 ¹ / ₂ -16	1 ¹ / ₈	3 ⁴ / ₄	1	3 ⁴ / ₄ -16 x 5 ⁸ / ₈	1 ⁴ / ₄	1 ¹ / ₈	.994	10,061	4.97	5
	9 ¹ / ₄	C59C	9.2	12 ³ / ₄	22	1 ¹ / ₂	1 ¹ / ₂ -16	1 ¹ / ₈	3 ⁴ / ₄	1	3 ⁴ / ₄ -16 x 5 ⁸ / ₈	1 ⁴ / ₄	1 ¹ / ₈	.994	10,061	4.97	5.8
10	1	C101C	2.2	3 ³ / ₈	4 ⁵ / ₈	2 ¹ / ₄	2 ¹ / ₄ -14	1 ¹ / ₈	3 ⁴ / ₄	1 ¹ / ₂	1-8 x 3 ⁴ / ₄	1 ⁴ / ₄	1 ¹¹ / ₁₆	2.236	8,948	11.2	4
	2 ¹ / ₈	C102C	4.8	4 ³ / ₄	6 ⁷ / ₈	2 ¹ / ₄	2 ¹ / ₄ -14	1 ¹ / ₈	3 ⁴ / ₄	1 ¹ / ₂	1-8 x 3 ⁴ / ₄	1 ⁴ / ₄	1 ¹¹ / ₁₆	2.236	8,948	11.2	5
	4 ¹ / ₈	C104C	9.2	6 ³ / ₄	10 ⁷ / ₈	2 ¹ / ₄	2 ¹ / ₄ -14	1 ¹ / ₈	3 ⁴ / ₄	1 ¹ / ₂	1-8 x 3 ⁴ / ₄	1 ⁴ / ₄	1 ¹¹ / ₁₆	2.236	8,948	11.2	6.7
	6 ¹ / ₈	C106C	13.7	9 ³ / ₄	15 ⁷ / ₈	2 ¹ / ₄	2 ¹ / ₄ -14	1 ¹ / ₈	3 ⁴ / ₄	1 ¹ / ₂	1-8 x 3 ⁴ / ₄	1 ⁴ / ₄	1 ¹¹ / ₁₆	2.236	8,948	11.2	9.4
	8 ¹ / ₈	C108C	19.9	11 ³ / ₄	19 ⁷ / ₈	2 ¹ / ₄	2 ¹ / ₄ -14	1 ¹ / ₈	3 ⁴ / ₄	1 ¹ / ₂	1-8 x 3 ⁴ / ₄	1 ⁴ / ₄	1 ¹¹ / ₁₆	2.236	8,948	11.2	11
	10 ¹ / ₈	C1010C	22.6	13 ³ / ₄	23 ⁷ / ₈	2 ¹ / ₄	2 ¹ / ₄ -14	1 ¹ / ₈	3 ⁴ / ₄	1 ¹ / ₂	1-8 x 3 ⁴ / ₄	1 ⁴ / ₄	1 ¹¹ / ₁₆	2.236	8,948	11.2	13
	12 ¹ / ₈	C1012C	27.1	15 ³ / ₄	27 ⁷ / ₈	2 ¹ / ₄	2 ¹ / ₄ -14	1 ¹ / ₈	3 ⁴ / ₄	1 ¹ / ₂	1-8 x 3 ⁴ / ₄	1 ⁴ / ₄	1 ¹¹ / ₁₆	2.236	8,948	11.2	14.6
	14 ¹ / ₈	C1014C	31.6	17 ³ / ₄	31 ⁷ / ₈	2 ¹ / ₄	2 ¹ / ₄ -14	1 ¹ / ₈	3 ⁴ / ₄	1 ¹ / ₂	1-8 x 3 ⁴ / ₄	1 ⁴ / ₄	1 ¹¹ / ₁₆	2.236	8,948	11.2	16.2
16	C1016C	36.1	20 ¹ / ₂	36 ¹ / ₂	2 ¹ / ₄	2 ¹ / ₄ -14	1 ¹ / ₈	3 ⁴ / ₄	1 ¹ / ₂	1-8 x 3 ⁴ / ₄	1 ⁴ / ₄	1 ¹¹ / ₁₆	2.236	8,948	11.2	18.5	
15	1	C151C	3.1	4 ⁷ / ₈	5 ⁷ / ₈	2 ³ / ₄	2 ³ / ₄ -16	1 ¹ / ₈	3 ⁴ / ₄	1 ³ / ₄	1-8 x 3 ⁴ / ₄	1 ⁴ / ₄	2	3.142	9,549	15.7	7.5
	2 ¹ / ₈	C152C	6.7	5 ⁷ / ₈	8	2 ³ / ₄	2 ³ / ₄ -16	1 ¹ / ₈	3 ⁴ / ₄	1 ³ / ₄	1-8 x 3 ⁴ / ₄	1 ⁴ / ₄	2	3.142	9,549	15.7	8.9
	4 ¹ / ₈	C154C	12.9	7 ⁷ / ₈	12	2 ³ / ₄	2 ³ / ₄ -16	1 ¹ / ₈	3 ⁴ / ₄	1 ³ / ₄	1-8 x 3 ⁴ / ₄	1 ⁴ / ₄	2	3.142	9,549	15.7	11.5
	6 ¹ / ₈	C156C	19.2	10 ¹¹ / ₁₆	16 ¹³ / ₁₆	2 ³ / ₄	2 ³ / ₄ -16	1 ¹ / ₈	3 ⁴ / ₄	1 ³ / ₄	1-8 x 3 ⁴ / ₄	1 ⁴ / ₄	2	3.142	9,549	15.7	15.3
	8 ¹ / ₈	C158C	25.5	12 ¹¹ / ₁₆	20 ¹³ / ₁₆	2 ³ / ₄	2 ³ / ₄ -16	1 ¹ / ₈	3 ⁴ / ₄	1 ³ / ₄	1-8 x 3 ⁴ / ₄	1 ⁴ / ₄	2	3.142	9,549	15.7	17.9
	10 ¹ / ₈	C1510C	31.8	14 ¹¹ / ₁₆	24 ¹³ / ₁₆	2 ³ / ₄	2 ³ / ₄ -16	1 ¹ / ₈	3 ⁴ / ₄	1 ³ / ₄	1-8 x 3 ⁴ / ₄	1 ⁴ / ₄	2	3.142	9,549	15.7	20.7
	12 ¹ / ₈	C1512C	38.1	16 ¹¹ / ₁₆	28 ¹³ / ₁₆	2 ³ / ₄	2 ³ / ₄ -16	1 ¹ / ₈	3 ⁴ / ₄	1 ³ / ₄	1-8 x 3 ⁴ / ₄	1 ⁴ / ₄	2	3.142	9,549	15.7	23.2
	14 ¹ / ₈	C1514C	44.4	18 ¹¹ / ₁₆	32 ¹³ / ₁₆	2 ³ / ₄	2 ³ / ₄ -16	1 ¹ / ₈	3 ⁴ / ₄	1 ³ / ₄	1-8 x 3 ⁴ / ₄	1 ⁴ / ₄	2	3.142	9,549	15.7	26
16	C1516C	50.3	20 ¹¹ / ₁₆	36 ¹³ / ₁₆	2 ³ / ₄	2 ³ / ₄ -16	1 ¹ / ₈	3 ⁴ / ₄	1 ³ / ₄	1-8 x 3 ⁴ / ₄	1 ⁴ / ₄	2	3.142	9,549	15.7	28.2	
25	1	C251C	5.1	5 ¹ / ₂	6 ¹ / ₂	3 ³ / ₈	3 ³ / ₈ -12	1 ¹⁵ / ₁₆	1	2 ¹ / ₄	1 ¹ / ₂ -16 x 7 ⁸ / ₈	3 ⁸ / ₈	2 ¹ / ₁₆	5.15	9,699	25.8	11.9
	2	C252C	10.3	6 ¹ / ₂	8 ¹ / ₂	3 ³ / ₈	3 ³ / ₈ -12	1 ¹⁵ / ₁₆	1	2 ¹ / ₄	1 ¹ / ₂ -16 x 7 ⁸ / ₈	3 ⁸ / ₈	2 ¹ / ₁₆	5.15	9,699	25.8	13.9
	4	C254C	20.6	8 ¹ / ₂	12 ¹ / ₂	3 ³ / ₈	3 ³ / ₈ -12	1 ¹⁵ / ₁₆	1	2 ¹ / ₄	1 ¹ / ₂ -16 x 7 ⁸ / ₈	3 ⁸ / ₈	2 ¹ / ₁₆	5.15	9,699	25.8	17.6
	6 ¹ / ₄	C256C	32.2	10 ³ / ₄	17	3 ³ / ₈	3 ³ / ₈ -12	1 ¹⁵ / ₁₆	1	2 ¹ / ₄	1 ¹ / ₂ -16 x 7 ⁸ / ₈	3 ⁸ / ₈	2 ¹ / ₁₆	5.15	9,699	25.8	21.7
	8 ¹ / ₄	C258C	42.5	12 ³ / ₄	21	3 ³ / ₈	3 ³ / ₈ -12	1 ¹⁵ / ₁₆	1	2 ¹ / ₄	1 ¹ / ₂ -16 x 7 ⁸ / ₈	3 ⁸ / ₈	2 ¹ / ₁₆	5.15	9,699	25.8	25.6
	10 ¹ / ₄	C2510C	52.8	14 ³ / ₄	25	3 ³ / ₈	3 ³ / ₈ -12	1 ¹⁵ / ₁₆	1	2 ¹ / ₄	1 ¹ / ₂ -16 x 7 ⁸ / ₈	3 ⁸ / ₈	2 ¹ / ₁₆	5.15	9,699	25.8	29.3
	12 ¹ / ₄	C2512C	63.2	16 ³ / ₄	29	3 ³ / ₈	3 ³ / ₈ -12	1 ¹⁵ / ₁₆	1	2 ¹ / ₄	1 ¹ / ₂ -16 x 7 ⁸ / ₈	3 ⁸ / ₈	2 ¹ / ₁₆	5.15	9,699	25.8	33.1
14 ¹ / ₄	C2514C	73.5	18 ³ / ₄	33	3 ³ / ₈	3 ³ / ₈ -12	1 ¹⁵ / ₁₆	1	2 ¹ / ₄	1 ¹ / ₂ -16 x 7 ⁸ / ₈	3 ⁸ / ₈	2 ¹ / ₁₆	5.15	9,699	25.8	36.8	
55	2	C552C	22.1	6 ⁷ / ₈	8 ⁷ / ₈	5	5-12	2 ³ / ₁₆	1 ³ / ₈	3 ³ / ₈	None	1 ¹ / ₈	3 ³ / ₄	11.04	9,959	55.2	32.5
	4 ¹ / ₄	C554C	46.9	9 ⁷ / ₈	13 ³ / ₈	5	5-12	2 ³ / ₁₆	1 ³ / ₈	3 ³ / ₈	None	1 ¹ / ₈	3 ³ / ₄	11.04	9,959	55.2	41.3
	6 ¹ / ₄	C556C	69.0	11 ⁷ / ₈	17 ³ / ₈	5	5-12	2 ³ / ₁₆	1 ³ / ₈	3 ³ / ₈	None	1 ¹ / ₈	3 ³ / ₄	11.04	9,959	55.2	51
	10 ¹ / ₄	C5510C	113.2	15 ⁷ / ₈	25 ³ / ₈	5	5-12	2 ³ / ₁₆	1 ³ / ₈	3 ³ / ₈	None	1 ¹ / ₈	3 ³ / ₄	11.04	9,959	55.2	67
	13 ¹ / ₄	C5513C	146.3	18 ⁷ / ₈	31 ³ / ₈	5	5-12	2 ³ / ₁₆	1 ³ / ₈	3 ³ / ₈	None	1 ¹ / ₈	3 ³ / ₄	11.04	9,959	55.2	78
75	6 ¹ / ₈	C756C	97.4	12 ³ / ₈	18 ¹ / ₂	5 ³ / ₄	5 ³ / ₄ -12	1 ³ / ₄	1 ¹ / ₄	3 ³ / ₄	None	1 ¹ / ₈	4 ¹ / ₂	15.90	9,434	79.5	73.5
	13 ¹ / ₈	C7513C	208.7	19 ³ / ₈	32 ¹ / ₂	5 ³ / ₄	5 ³ / ₄ -12	1 ³ / ₄	1 ¹ / ₄	3 ³ / ₄	None	1 ¹ / ₈	4 ¹ / ₂	15.90	9,434	79.5	109.5
100	2	C1002C	41.2	8 ³ / ₈	10 ³ / ₈	6 ¹ / ₄	6 ¹ / ₄ -12	2 ¹ / ₄	1 ¹ / ₈	4 ¹ / ₈	None	1 ¹ / ₈	5 ⁷ / ₈	20.62	9,695	103.1	63
	6 ³ / ₈	C1006C	137.0	13 ³ / ₄	19 ⁷ / ₈	6 ¹ / ₄	6 ¹ / ₄ -12	2 ¹ / ₄	1 ¹ / ₈	4 ¹ / ₈	None	1 ¹ / ₈	5 ⁷ / ₈	20.62	9,695	103.1	91
	10 ¹ / ₄	C10010C	211.5	16 ³ / ₈	27 ⁷ / ₈	6 ¹ / ₄	6 ¹ / ₄ -12	2 ¹ / ₄	1 ¹ / ₈	4 ¹ / ₈	None	1 ¹ / ₈	5 ⁷ / ₈	20.62	9,695	103.1	113