

GENERAL PURPOSE

C SERIES

5-100 TONS

General Purpose, Single Acting,
Spring-Return



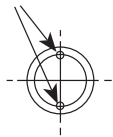
RUGGED, HIGH QUALITY CYLINDER USED FOR LIFTING AND PRESSING

- 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.

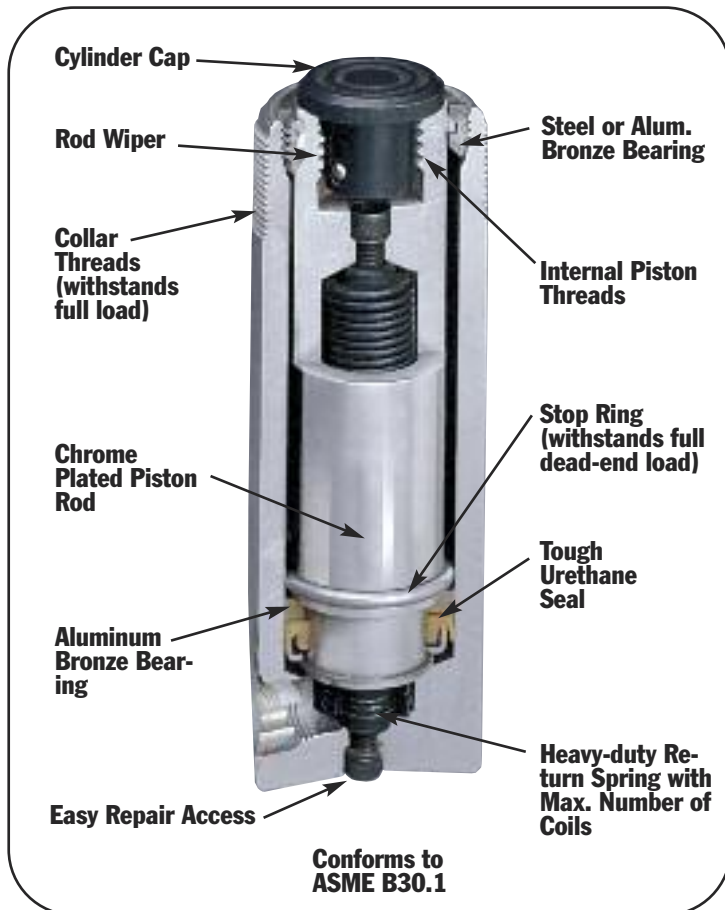
Cylinder Tonnage	No. Holes	Thread Size	Thread Depth	Bolt Circle Diameter (In.)
5	2†	1/4-20	0.38	1.00
10		5/16-18		1.56
15		3/8-16	0.50	1.88
25		1/2-13	0.75	2.31
55				3.75
*Optional 75	4	3/4-10	1.00	4.50
*Optional 100		1-8		4.75



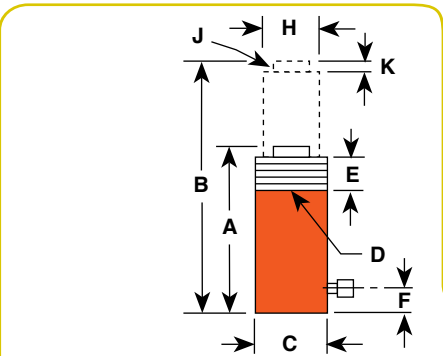
BASE MOUNTING HOLES



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



C756C



Cyl Cap Tons	Stroke (in.)	Order No.	Oil Cap. (cu. in.)	A	B	C	D	E	F	H	J	K	Bore Dia. (in.)	Cylinder Effective Area (sq. in.)	Internal Press. (psi)	Tons at 10,000 (psi)	Prod. Wt. (lbs.)
				Re-tracted Height (in.)	Ex-extended Height (in.)	Outside Dia. (in.)	Collar Thread (in.)	Piston Collar Thread Length (in.)	Base to Rod Port (in.)	Piston Rod Dia. (in.)	Piston Rod Int. Thread and Depth (in.)	Rod Protru-sion (in.)					
5	1	C51C	1.1	4 ^{11/32}	5 ^{7/16}	1 ^{1/2}	1 ^{1/2} -16	1 ^{1/8}	3/4	1	3/4-16 x 5/8	1/4	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	1	3/4-16 x 5/8	1/4	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	1	3/4-16 x 5/8	1/4	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	1	3/4-16 x 5/8	1/4	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	1	3/4-16 x 5/8	1/4	1 ^{1/8}	.994	10,061	4.97	5.8
10	1	C101C	2.2	3 ^{5/8}	4 ^{5/8}	2 ^{1/4}	2 ^{1/4} -14	1 ^{1/8}	3/4	1 ^{1/2}	1-8 x 3/4	1/4	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	1 ^{1/2}	1-8 x 3/4	1/4	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	1 ^{1/2}	1-8 x 3/4	1/4	1 ^{11/16}	2.236	8,948	11.2	6.7
	6 ^{1/8}	C106C	13.7	9 ^{3/4}	15 ^{1/8}	2 ^{1/4}	2 ^{1/4} -14	1 ^{1/8}	3/4	1 ^{1/2}	1-8 x 3/4	1/4	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	1 ^{1/2}	1-8 x 3/4	1/4	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	1 ^{1/2}	1-8 x 3/4	1/4	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	1 ^{1/2}	1-8 x 3/4	1/4	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	1 ^{1/2}	1-8 x 3/4	1/4	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	1 ^{1/2}	1-8 x 3/4	1/4	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	1 ^{3/4}	1-8 x 3/4	1/4	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	1 ^{3/4}	1-8 x 3/4	1/4	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	1 ^{3/4}	1-8 x 3/4	1/4	2	3.142	9,549	15.7	11.5
	6 ^{1/8}	C156C	19.2	10 ^{11/16}	16 ^{3/16}	2 ^{3/4}	2 ^{3/4} -16	1 ^{1/8}	3/4	1 ^{3/4}	1-8 x 3/4	1/4	2	3.142	9,549	15.7	15.3
	8 ^{1/8}	C158C	25.5	12 ^{11/16}	20 ^{3/16}	2 ^{3/4}	2 ^{3/4} -16	1 ^{1/8}	3/4	1 ^{3/4}	1-8 x 3/4	1/4	2	3.142	9,549	15.7	17.9
	10 ^{1/8}	C1510C	31.8	14 ^{11/16}	24 ^{3/16}	2 ^{3/4}	2 ^{3/4} -16	1 ^{1/8}	3/4	1 ^{3/4}	1-8 x 3/4	1/4	2	3.142	9,549	15.7	20.7
	12 ^{1/8}	C1512C	38.1	16 ^{11/16}	28 ^{3/16}	2 ^{3/4}	2 ^{3/4} -16	1 ^{1/8}	3/4	1 ^{3/4}	1-8 x 3/4	1/4	2	3.142	9,549	15.7	23.2
	14 ^{1/8}	C1514C	44.4	18 ^{11/16}	32 ^{3/16}	2 ^{3/4}	2 ^{3/4} -16	1 ^{1/8}	3/4	1 ^{3/4}	1-8 x 3/4	1/4	2	3.142	9,549	15.7	26
	16	C1516C	50.3	20 ^{3/16}	36 ^{3/16}	2 ^{3/4}	2 ^{3/4} -16	1 ^{1/8}	3/4	1 ^{3/4}	1-8 x 3/4	1/4	2	3.142	9,549	15.7	28.2
25	1	C251C	5.1	5 ^{1/2}	6 ^{1/2}	3 ^{3/8}	3 ^{5/16} -12	1 ^{15/16}	1	2 ^{1/4}	1 ^{1/2} -16 x 7/8	3/8	2 ^{9/16}	5.15	9,699	25.8	11.9
	2	C252C	10.3	6 ^{1/2}	8 ^{1/2}	3 ^{3/8}	3 ^{5/16} -12	1 ^{15/16}	1	2 ^{1/4}	1 ^{1/2} -16 x 7/8	3/8	2 ^{9/16}	5.15	9,699	25.8	13.9
	4	C254C	20.6	8 ^{1/2}	12 ^{1/2}	3 ^{3/8}	3 ^{5/16} -12	1 ^{15/16}	1	2 ^{1/4}	1 ^{1/2} -16 x 7/8	3/8	2 ^{9/16}	5.15	9,699	25.8	17.6
	6 ^{1/4}	C256C	32.2	10 ^{3/4}	17	3 ^{3/8}	3 ^{5/16} -12	1 ^{15/16}	1	2 ^{1/4}	1 ^{1/2} -16 x 7/8	3/8	2 ^{9/16}	5.15	9,699	25.8	21.7
	8 ^{1/4}	C258C	42.5	12 ^{3/4}	21	3 ^{3/8}	3 ^{5/16} -12	1 ^{15/16}	1	2 ^{1/4}	1 ^{1/2} -16 x 7/8	3/8	2 ^{9/16}	5.15	9,699	25.8	25.6
	10 ^{1/4}	C2510C	52.8	14 ^{3/4}	25	3 ^{3/8}	3 ^{5/16} -12	1 ^{15/16}	1	2 ^{1/4}	1 ^{1/2} -16 x 7/8	3/8	2 ^{9/16}	5.15	9,699	25.8	29.3
	12 ^{1/4}	C2512C	63.2	16 ^{3/4}	29	3 ^{3/8}	3 ^{5/16} -12	1 ^{15/16}	1	2 ^{1/4}	1 ^{1/2} -16 x 7/8	3/8	2 ^{9/16}	5.15	9,699	25.8	33.1
	14 ^{1/4}	C2514C	73.5	18 ^{3/4}	33	3 ^{3/8}	3 ^{5/16} -12	1 ^{15/16}	1	2 ^{1/4}	1 ^{1/2} -16 x 7/8	3/8	2 ^{9/16}	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	1/8	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	1/8	3 ^{3/4}	11.04	9,959	55.2	41.3
	6 ^{1/4}	C556C	69.0	11 ^{1/8}	17 ^{3/8}	5	5-12	2 ^{3/16}	1 ^{3/8}	3 ^{3/8}	None	1/8	3 ^{3/4}	11.04	9,959	55.2	51
	10 ^{1/4}	C5510C	113.2	15 ^{1/8}	25 ^{3/8}	5	5-12	2 ^{3/16}	1 ^{3/8}	3 ^{3/8}	None	1/8	3 ^{3/4}	11.04	9,959	55.2	67
	13 ^{1/4}	C5513C	146.3	18 ^{3/8}	31 ^{3/8}	5	5-12	2 ^{3/16}	1 ^{3/8}	3 ^{3/8}	None	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	1/8	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	1/8	4 ^{1/2}	15.90	9,434	79.5	109.5
	2	C1002C	41.2	8 ^{3/8}	10 ^{3/8}	6 ^{1/4}	6 ^{1/4} -12	2 ^{1/4}	1 ^{5/8}	4 ^{1/8}	None	1/8	5 ^{1/8}	20.62	9,695	103.1	63
100	6 ^{5/8}	C1006C	137.0	13 ^{3/4}	19 ^{3/8}	6 ^{1/4}	6 ^{1/4} -12	2 ^{1/4}	1 ^{5/8}	4 ^{1/8}	None	1/8	5 ^{1/8}	20.62	9,695	103.1	91
	10 ^{1/4}	C10010C	211.5	16 ^{3/8}	27 ^{1/8}	6 ^{1/4}	6 ^{1/4} -12	2 ^{1/4}	1 ^{5/8}	4 ^{1/8}	None	1/8	5 ^{1/8}	20.62	9,695	103.1	113