

General Purpose Cylinders (C Series)

Single-Acting, Spring-Return — 5-100 Ton Capacity

Rugged, high quality all purpose cylinder used for lifting and pressing.



Hoses, Fittings & Gauges
Pages 74-80

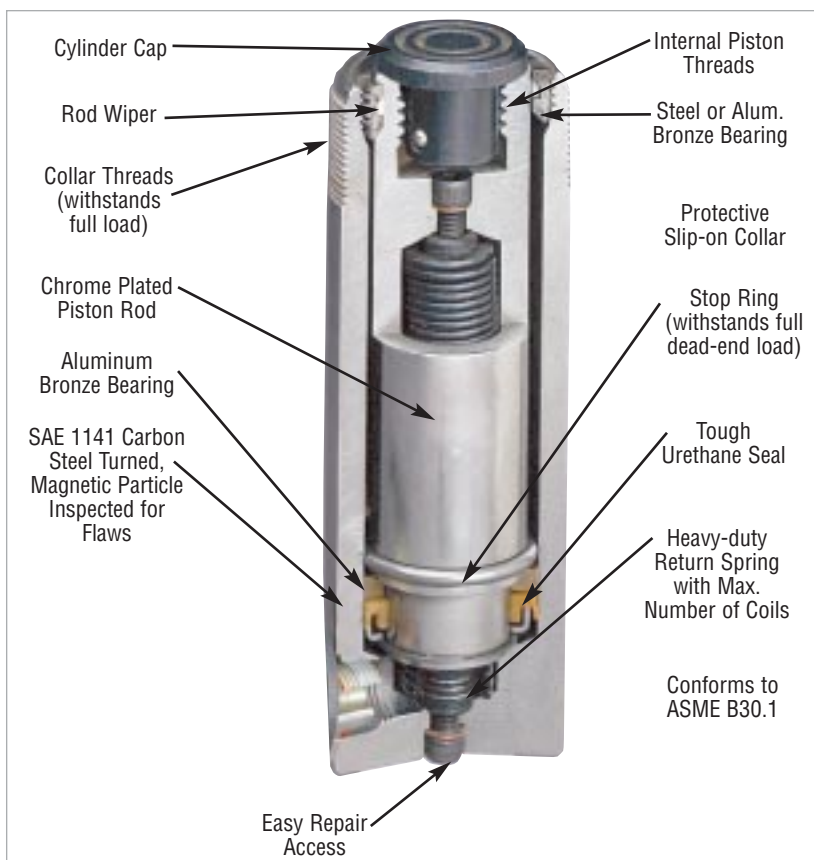
Cylinder Accessories
Pages 156-157, 161

Cylinder/Pump Speed/Selection Chart
Page 178

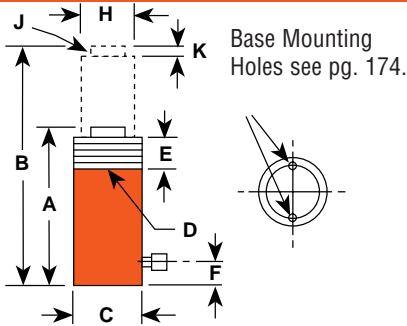
Cylinder/Pump Sets
Page 25

Cylinder Repair Kits
Page 159

Technical Info
Page 174



- Fully comply with ASME B30.1 standards. Have a 2 to 1 safety factor on material yield.
- Aluminum bronze bearing reduces scoring caused by off-center loads.
- Maximum sized springs speed piston return and increase spring life.
- Chrome plated piston rod resists wear and corrosion.
- Wide range of accessories available to thread onto piston rod, collar, or into cylinder base. Base mounting holes standard on 5 through 55 ton cylinders; optional on 75 and 100 ton cylinders.
- A 9796 3/8" NPTF female half coupler is standard with each cylinder. Oil ports are 3/8" NPTF.



ORDERING INFORMATION

See current price list for shipping weights

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. 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 Port (in.)	Piston Rod Dia. (in.)	Piston Rod Int. Thread and Depth (in.)	Piston Rod Protru-sion (in.)					
5	1	C51C	1.1	4 ¹ / ₂	5 ⁵ / ₁₆	1 ¹ / ₂	1 ¹ / ₂ -16	1 ¹ / ₂	3/4	1	3/4-16 x 3/4	1/4	1 ¹ / ₂	.994	10,061	4.97	2.25
5	3 ¹ / ₂	C53C	3.2	6 ¹ / ₂	9 ¹ / ₂	1 ¹ / ₂	1 ¹ / ₂ -16	1 ¹ / ₂	3/4	1	3/4-16 x 3/4	1/4	1 ¹ / ₂	.994	10,061	4.97	3.26
5	5 ¹ / ₂	C55C	5.2	8 ¹ / ₂	13 ³ / ₄	1 ¹ / ₂	1 ¹ / ₂ -16	1 ¹ / ₂	3/4	1	3/4-16 x 3/4	1/4	1 ¹ / ₂	.994	10,061	4.97	4
5	7 ¹ / ₂	C57C	7.2	10 ³ / ₄	18	1 ¹ / ₂	1 ¹ / ₂ -16	1 ¹ / ₂	3/4	1	3/4-16 x 3/4	1/4	1 ¹ / ₂	.994	10,061	4.97	5
5	9 ¹ / ₂	C59C	9.2	12 ³ / ₄	22	1 ¹ / ₂	1 ¹ / ₂ -16	1 ¹ / ₂	3/4	1	3/4-16 x 3/4	1/4	1 ¹ / ₂	.994	10,061	4.97	5.8
10	1	C101C	2.2	3 ³ / ₄	4 ³ / ₄	2 ¹ / ₂	2 ¹ / ₂ -14	1 ¹ / ₂	3/4	1 ¹ / ₂	1-8 x 3/4	1/4	1 ¹ / ₂	2.236	8,948	11.2	4
10	2 ¹ / ₂	C102C	4.8	4 ³ / ₄	6 ³ / ₄	2 ¹ / ₂	2 ¹ / ₂ -14	1 ¹ / ₂	3/4	1 ¹ / ₂	1-8 x 3/4	1/4	1 ¹ / ₂	2.236	8,948	11.2	5
10	4 ¹ / ₂	C104C	9.2	6 ³ / ₄	10 ³ / ₄	2 ¹ / ₂	2 ¹ / ₂ -14	1 ¹ / ₂	3/4	1 ¹ / ₂	1-8 x 3/4	1/4	1 ¹ / ₂	2.236	8,948	11.2	6.7
10	6 ¹ / ₂	C106C	13.7	9 ³ / ₄	15 ³ / ₄	2 ¹ / ₂	2 ¹ / ₂ -14	1 ¹ / ₂	3/4	1 ¹ / ₂	1-8 x 3/4	1/4	1 ¹ / ₂	2.236	8,948	11.2	9.4
10	8 ¹ / ₂	C108C	19.9	11 ³ / ₄	19 ³ / ₄	2 ¹ / ₂	2 ¹ / ₂ -14	1 ¹ / ₂	3/4	1 ¹ / ₂	1-8 x 3/4	1/4	1 ¹ / ₂	2.236	8,948	11.2	11
10	10 ¹ / ₂	C1010C	22.6	13 ³ / ₄	23 ³ / ₄	2 ¹ / ₂	2 ¹ / ₂ -14	1 ¹ / ₂	3/4	1 ¹ / ₂	1-8 x 3/4	1/4	1 ¹ / ₂	2.236	8,948	11.2	13
10	12 ¹ / ₂	C1012C	27.1	15 ³ / ₄	27 ³ / ₄	2 ¹ / ₂	2 ¹ / ₂ -14	1 ¹ / ₂	3/4	1 ¹ / ₂	1-8 x 3/4	1/4	1 ¹ / ₂	2.236	8,948	11.2	14.6
10	14 ¹ / ₂	C1014C	31.6	17 ³ / ₄	31 ³ / ₄	2 ¹ / ₂	2 ¹ / ₂ -14	1 ¹ / ₂	3/4	1 ¹ / ₂	1-8 x 3/4	1/4	1 ¹ / ₂	2.236	8,948	11.2	16.2
10	16	C1016C	36.1	20 ³ / ₄	36 ³ / ₄	2 ¹ / ₂	2 ¹ / ₂ -14	1 ¹ / ₂	3/4	1 ¹ / ₂	1-8 x 3/4	1/4	1 ¹ / ₂	2.236	8,948	11.2	18.5
15	1	C151C	3.1	4 ³ / ₄	5 ³ / ₄	2 ¹ / ₂	2 ¹ / ₂ -16	1 ¹ / ₂	3/4	1 ¹ / ₂	1-8 x 3/4	1/4	2	3.142	9,549	15.7	7.5
15	2 ¹ / ₂	C152C	6.7	5 ³ / ₄	8	2 ¹ / ₂	2 ¹ / ₂ -16	1 ¹ / ₂	3/4	1 ¹ / ₂	1-8 x 3/4	1/4	2	3.142	9,549	15.7	8.9
15	4 ¹ / ₂	C154C	12.9	7 ³ / ₄	12	2 ¹ / ₂	2 ¹ / ₂ -16	1 ¹ / ₂	3/4	1 ¹ / ₂	1-8 x 3/4	1/4	2	3.142	9,549	15.7	11.5
15	6 ¹ / ₂	C156C	19.2	10 ³ / ₄	16 ³ / ₄	2 ¹ / ₂	2 ¹ / ₂ -16	1 ¹ / ₂	3/4	1 ¹ / ₂	1-8 x 3/4	1/4	2	3.142	9,549	15.7	15.3
15	8 ¹ / ₂	C158C	25.5	12 ³ / ₄	20 ³ / ₄	2 ¹ / ₂	2 ¹ / ₂ -16	1 ¹ / ₂	3/4	1 ¹ / ₂	1-8 x 3/4	1/4	2	3.142	9,549	15.7	17.9
15	10 ¹ / ₂	C1510C	31.8	14 ³ / ₄	24 ³ / ₄	2 ¹ / ₂	2 ¹ / ₂ -16	1 ¹ / ₂	3/4	1 ¹ / ₂	1-8 x 3/4	1/4	2	3.142	9,549	15.7	20.7
15	12 ¹ / ₂	C1512C	38.1	16 ³ / ₄	28 ³ / ₄	2 ¹ / ₂	2 ¹ / ₂ -16	1 ¹ / ₂	3/4	1 ¹ / ₂	1-8 x 3/4	1/4	2	3.142	9,549	15.7	23.2
15	14 ¹ / ₂	C1514C	44.4	18 ³ / ₄	32 ³ / ₄	2 ¹ / ₂	2 ¹ / ₂ -16	1 ¹ / ₂	3/4	1 ¹ / ₂	1-8 x 3/4	1/4	2	3.142	9,549	15.7	26
15	16	C1516C	50.3	20 ³ / ₄	36 ³ / ₄	2 ¹ / ₂	2 ¹ / ₂ -16	1 ¹ / ₂	3/4	1 ¹ / ₂	1-8 x 3/4	1/4	2	3.142	9,549	15.7	28.2
25	1	C251C	5.1	5 ³ / ₄	6 ³ / ₄	3 ³ / ₄	3 ³ / ₄ -12	1 ¹ / ₂	1	2 ¹ / ₂	1 ¹ / ₂ -16 x 3/4	3/8	2 ¹ / ₂	5.15	9,699	25.8	11.9
25	2	C252C	10.3	6 ³ / ₄	8 ³ / ₄	3 ³ / ₄	3 ³ / ₄ -12	1 ¹ / ₂	1	2 ¹ / ₂	1 ¹ / ₂ -16 x 3/4	3/8	2 ¹ / ₂	5.15	9,699	25.8	13.9
25	4	C254C	20.6	8 ³ / ₄	12 ³ / ₄	3 ³ / ₄	3 ³ / ₄ -12	1 ¹ / ₂	1	2 ¹ / ₂	1 ¹ / ₂ -16 x 3/4	3/8	2 ¹ / ₂	5.15	9,699	25.8	17.6
25	6 ¹ / ₂	C256C	32.2	10 ³ / ₄	17	3 ³ / ₄	3 ³ / ₄ -12	1 ¹ / ₂	1	2 ¹ / ₂	1 ¹ / ₂ -16 x 3/4	3/8	2 ¹ / ₂	5.15	9,699	25.8	21.7
25	8 ¹ / ₂	C258C	42.5	12 ³ / ₄	21	3 ³ / ₄	3 ³ / ₄ -12	1 ¹ / ₂	1	2 ¹ / ₂	1 ¹ / ₂ -16 x 3/4	3/8	2 ¹ / ₂	5.15	9,699	25.8	25.6
25	10 ¹ / ₂	C2510C	52.8	14 ³ / ₄	25	3 ³ / ₄	3 ³ / ₄ -12	1 ¹ / ₂	1	2 ¹ / ₂	1 ¹ / ₂ -16 x 3/4	3/8	2 ¹ / ₂	5.15	9,699	25.8	29.3
25	12 ¹ / ₂	C2512C	63.2	16 ³ / ₄	29	3 ³ / ₄	3 ³ / ₄ -12	1 ¹ / ₂	1	2 ¹ / ₂	1 ¹ / ₂ -16 x 3/4	3/8	2 ¹ / ₂	5.15	9,699	25.8	33.1
25	14 ¹ / ₂	C2514C	73.5	18 ³ / ₄	33	3 ³ / ₄	3 ³ / ₄ -12	1 ¹ / ₂	1	2 ¹ / ₂	1 ¹ / ₂ -16 x 3/4	3/8	2 ¹ / ₂	5.15	9,699	25.8	36.8
55	2	C552C	22.1	6 ³ / ₄	8 ³ / ₄	5	5-12	2 ¹ / ₂	1 ¹ / ₂	3 ³ / ₄	None	1/4	3 ³ / ₄	11.04	9,959	55.2	32.5
55	4 ¹ / ₂	C554C	46.9	9 ³ / ₄	13 ³ / ₄	5	5-12	2 ¹ / ₂	1 ¹ / ₂	3 ³ / ₄	None	1/4	3 ³ / ₄	11.04	9,959	55.2	41.3
55	6 ¹ / ₂	C556C	69.0	11 ³ / ₄	17 ³ / ₄	5	5-12	2 ¹ / ₂	1 ¹ / ₂	3 ³ / ₄	None	1/4	3 ³ / ₄	11.04	9,959	55.2	51
55	10 ¹ / ₂	C5510C	113.2	15 ³ / ₄	25 ³ / ₄	5	5-12	2 ¹ / ₂	1 ¹ / ₂	3 ³ / ₄	None	1/4	3 ³ / ₄	11.04	9,959	55.2	67
55	13 ¹ / ₂	C5513C	146.3	18 ³ / ₄	31 ³ / ₄	5	5-12	2 ¹ / ₂	1 ¹ / ₂	3 ³ / ₄	None	1/4	3 ³ / ₄	11.04	9,959	55.2	78
75	6 ¹ / ₂	C756C	97.4	12 ³ / ₄	18 ³ / ₄	5 ³ / ₄	5 ³ / ₄ -12	1 ¹ / ₂	1 ¹ / ₂	3 ³ / ₄	None	1/4	4 ¹ / ₂	15.90	9,434	79.5	73.5
75	13 ¹ / ₂	C7513C	208.7	19 ³ / ₄	32 ³ / ₄	5 ³ / ₄	5 ³ / ₄ -12	1 ¹ / ₂	1 ¹ / ₂	3 ³ / ₄	None	1/4	4 ¹ / ₂	15.90	9,434	79.5	109.5
100	2	C1002C	41.2	8 ³ / ₄	10 ³ / ₄	6 ³ / ₄	6 ³ / ₄ -12	2 ¹ / ₂	1 ¹ / ₂	4 ³ / ₄	None	1/4	5 ³ / ₄	20.62	9,695	103.1	63
100	6 ¹ / ₂	C1006C	137.0	13 ³ / ₄	19 ³ / ₄	6 ³ / ₄	6 ³ / ₄ -12	2 ¹ / ₂	1 ¹ / ₂	4 ³ / ₄	None	1/4	5 ³ / ₄	20.62	9,695	103.1	91
100	10 ¹ / ₂	C10010C	211.5	16 ³ / ₄	27 ³ / ₄	6 ³ / ₄	6 ³ / ₄ -12	2 ¹ / ₂	1 ¹ / ₂	4 ³ / ₄	None	1/4	5 ³ / ₄	20.62	9,695	103.1	113