

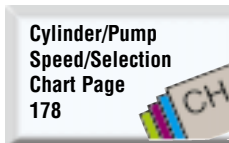
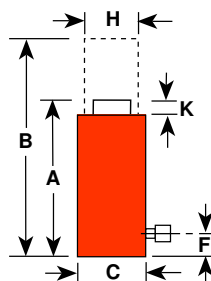
High Tonnage Cylinders (R Series)

Single-Acting, Load-Return — 150-565 Ton Capacity

High-tonnage, low cycle, gravity return, economy cylinders.



- Fully comply with ASME B30.1 standard.
- Visible indicator band alerts operator when stroke limit is reached; overflow port (“weep hole”) stroke limiter prevents piston from being inadvertently overextended.
- Alloy heat treated piston and body for exceptional reliability and strength.
- Plated piston rods greatly increase corrosion resistance and give superior bearing qualities.



ORDERING INFORMATION

See current price list for shipping weights

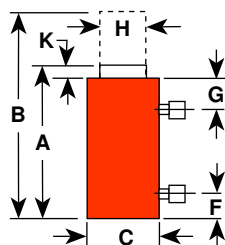
Cyl. Cap. (tons)	Stroke (mm)	Order No.	Oil Cap. (cu. cm.)	A	B	C	F	H	K	Bore Dia. (mm)	Cylinder Effective Area (sq. cm.)	Internal Pressure at Cap. (bar)	Metric Tons at 700 bar	Product Wt. (kg)
				Retracted Ht. (mm)	Extended Ht. (mm)	Outside Dia. (mm)	Base to Port (mm)	Piston Rod Dia. (mm)	Piston Rod Protrusion (mm)					
55	50.8	R552C	362.4	125.4	176.2	127	25.4	95.3	3.2	95.3	71.2	686.2	50.1	12.3
55	152.4	R556C	1,087.3	227	379.4	127	25.4	95.3	3.2	95.3	71.2	686.2	50.1	22.7
55	254	R5510C	1,810.6	328.6	582.6	127	25.4	95.3	3.2	95.3	71.2	686.2	50.1	32.7
100	50.8	R1002C	677.3	139.7	190.5	165.1	25.4	130.2	3.2	130.2	133.1	668.0	93.6	23.6
100	152.4	R1006C	2,030.3	241.3	393.7	165.1	25.4	130.2	3.2	130.2	133.1	668.0	93.6	40.4
100	254	R10010C	3,383.3	342.9	596.9	165.1	25.4	130.2	3.2	130.2	133.1	668.0	93.6	57.7
150	50.8	R1502C	1,007	161.9	212.7	204.8	31.8	158.8	3.2	158.8	197.9	673.7	139.1	41.8
150	152.4	R1506C	3,019.2	263.5	415.9	204.8	31.8	158.8	3.2	158.8	197.9	673.7	139.1	68.6
150	254	R15010C	5,031.5	365.1	619.1	204.8	31.8	158.8	3.2	158.8	197.9	673.7	139.1	95.3
200	50.8	R2002C	1,354.6	190.5	241.3	235.0	41.3	184.2	3.2	184.2	266.3	667.6	187.2	65.8
200	152.4	R2006C	4,062.3	292.1	444.5	235.0	41.3	184.2	3.2	184.2	266.3	667.6	187.2	100.3
200	254	R20010C	6,769.9	393.7	647.7	235.0	41.3	184.2	3.2	184.2	266.3	667.6	187.2	134.8
280	50.8	R2802C	1,861.4	190.5	241.3	276.2	41.3	215.9	3.2	215.9	366.0	680.0	257.3	91.3
280	152.4	R2806C	5,582.6	292.1	444.5	276.2	41.3	215.9	3.2	215.9	366.0	680.0	257.3	136.2
280	254	R28010C	9,305.4	393.7	647.7	276.2	41.3	215.9	3.2	215.9	366.0	680.0	257.3	182.1
355	50.8	R3552C	2,325.5	231.8	282.6	298.5	54.0	241.3	3.2	241.3	457.2	690.2	321.4	137.1
355	152.4	R3556C	6,974.9	333.4	485.8	298.5	54.0	241.3	3.2	241.3	457.2	690.2	321.4	197.0
355	254	R35510C	11,624.3	435.0	689.0	298.5	54.0	241.3	3.2	241.3	457.2	690.2	321.4	256.5
430	50.8	R4302C	2,840.5	263.5	314.3	330.2	63.5	266.7	3.2	266.7	558.5	684.3	392.7	199.8
430	152.4	R4306C	8,519.8	365.1	517.5	330.2	63.5	266.7	3.2	266.7	558.5	684.3	392.7	276.5
430	254	R43010C	14,200.8	466.7	720.7	330.2	63.5	266.7	3.2	266.7	558.5	684.3	392.7	353.2
565	50.8	R5652C	3,709.7	292.1	342.9	377.8	69.9	304.8	3.2	304.8	729.5	688.4	512.9	289.7
565	152.4	R5656C	11,129	393.7	546.1	377.8	69.9	304.8	3.2	304.8	729.5	688.4	512.9	389.5
565	254	R56510C	18,548.4	495.3	749.3	377.8	69.9	304.8	3.2	304.8	729.5	688.4	512.9	489.4

High Tonnage Cylinders (R Series) Double-Acting, Hydraulic-Return — 100-565 Ton Capacity

High-tonnage low cycle, hydraulic return, economy cylinders. (Similar to “Load Return” cylinders with hydraulically powered return.)



- Cylinders come standard with swivel caps to reduce the effects of off-center loading.
- Cylinders may be “dead-ended” without damage.
- Hard chrome plated, heat treated piston rod provides reduced wear on both piston and gland nut.
- Built-in safety relief valve prevents accidental over-pressurization of the retract circuit.
- Each cylinder has two 9796 3/8" NPTF female half couplers.
- In full compliance with ASME B30.1 standard.
- Integral swivel cap is a standard component on this series of cylinder.



ORDERING INFORMATION

See current price list for shipping weights

Cyl. Cap. (tons)	Stroke (mm)	Order No.	Oil Capacity (cu. cm)		A	B	C	F	G	H	K	Bore Dia. (mm)	Cylinder Effective Area (sq. cm)	Internal Press. at Cap. (bar)	Metric Tons at 700 bar	Prod. Wt. (kg)
			Push	Return	Re-tracted Height (mm)	Ex-tended Height (mm)	Outside Dia. (mm)	Base to Port (mm)	Cylinder Top to Port (mm)	Piston Rod Dia. (mm)	Piston Rod Protrusion (mm)					
100	50.8	R1002D	676	315	168.7	219.5	165.1	25.4	56.0	95.3	7.1	130.2	132.9	668	93.4	24.5
100	152.4	R1006D	2,027	945	270.3	422.7	165.1	25.4	56.0	95.3	7.1	130.2	132.9	668	93.4	36.8
100	254	R10010D	3,378	1,574	371.9	625.9	165.1	25.4	56.0	95.3	7.1	130.2	132.9	668	93.4	49.0
150	50.8	R1502D	1,007	485	188.9	239.7	204.8	31.8	57.2	114.3	7.5	158.8	198.0	674	139.1	43.1
150	152.4	R1506D	3,021	1,456	290.5	442.9	204.8	31.8	57.2	114.3	7.5	158.8	198.0	674	139.1	61.7
150	254	R15010D	5,035	2,427	392.1	646.1	204.8	31.8	57.2	114.3	7.5	158.8	198.0	674	139.1	80.4
200	50.8	R2002D	1,355	643	206.8	257.6	235.0	41.3	58.7	133.4	8.7	184.2	266.4	668	187.2	61.7
200	152.4	R2006D	4,064	1,929	308.4	460.8	235.0	41.3	58.7	133.4	8.7	184.2	266.4	668	187.2	84.9
200	254	R20010D	6,773	3,214	410.0	664.0	235.0	41.3	58.7	133.4	8.7	184.2	266.4	668	187.2	108.5
280	50.8	R2802D	1,860	774	233.8	284.6	276.2	47.6	65.5	165.1	10.3	215.9	365.7	680	257.3	99.4
280	152.4	R2806D	5,579	2,322	335.4	447.8	276.2	47.6	65.5	165.1	10.3	215.9	365.7	680	257.3	134.8
280	254	R28010D	9,299	3,870	437.0	691.0	276.2	47.6	65.5	165.1	10.3	215.9	365.7	680	257.3	170.7
355	50.8	R3552D	2,326	777	288.9	339.7	298.5	54.0	69.9	196.9	11.1	241.3	457.3	690	321.4	147.0
355	152.4	R3556D	6,977	2,332	390.5	542.9	298.5	54.0	69.9	196.9	11.1	241.3	457.3	690	321.4	191.1
355	254	R35510D	11,628	3,887	492.1	746.1	298.5	54.0	69.9	196.9	11.1	241.3	457.3	690	321.4	234.7
430	50.8	R4302D	2,840	977	312.7	363.5	330.2	63.5	75.0	215.9	11.9	266.7	558.6	684	392.7	199.3
430	152.4	R4306D	8,521	2,932	414.3	566.7	330.2	63.5	75.0	215.9	11.9	266.7	558.6	684	392.7	253.3
430	254	R43010D	14,202	4,887	515.9	769.9	330.2	63.5	75.0	215.9	11.9	266.7	558.6	684	392.7	305.5
565	50.8	R5652D	3,710	1,260	345.3	396.1	377.8	69.9	81.4	247.7	13.9	304.8	729.5	688	512.9	281.0
565	152.4	R5656D	11,129	3,779	446.9	599.3	377.8	69.9	81.4	247.7	13.9	304.8	729.5	688	512.9	350.4
565	254	R56510D	18,548	6,298	548.5	802.5	377.8	69.9	81.4	247.7	13.9	304.8	729.5	688	512.9	420.4