REPAIR

CALIBRATION

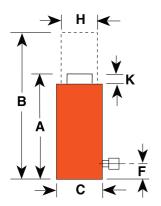


High Tonnage Cylinders R Series

55-565 Ton Single-Acting

Load-Return

- Visible indicator band alerts when stroke limit is reached; overflow port ("weep hole") stroke limiter prevents piston from being overextended.
- Alloy heat treated piston and body for reliability and strength.
- Plated piston rod increase corrosion resistance and give superior bearing qualities.



			A	В	C	F Base	H Piston	К	Piston			
	Order	Oil	Retracted	Extended	Outside			Rod		Effective	Metric Ton	s
Stroke					Dia.	Port			Dia.		at 700	Weight
(mm)		(cm₃)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(cm ₂)	bar	(kg)
50,8	R552C	362	125,4	176,2	127,0	25,4	95,3	3,2	95,3	71,2	50,1	12,3
152,4	R556C	1.087	227,0	379,4	127,0	25,4	95,3	3,2	95,3	71,2	50,1	22,7
254,0	R5510C	1.811	328,6	582,6	127,0	25,4	95,3	3,2	95,3	71,2	50,1	32,7
50,8	R1002C	677	139,7	190,5	165,1	25,4	130,2	3,2	130,2	133,1	93,6	23,6
152,4	R1006C	2.030	241,3	393,7	165,1	25,4	130,2	3,2	130,2	133,1	93,6	40,4
50,8	R1502C	1.007	161,9	212,7	204,8	31,8	158,8	3,2	158,8	197,9	139,1	41,8
152,4	R1506C	3.019	263,5	415,9	204,8	31,8	158,8	3,2	158,8	197,9	139,1	68,6
254,0	R15010C	5.032	365,1	619,1	204,8	31,8	158,8	3,2	158,8	197,9	139,1	95,3
50,8	R2002C	1.355	190,5	241,3	235,0	41,3	184,2	3,2	184,2	266,3	187,2	65,8
152,4	R2006C	4.062	292,1	444,5	235,0	41,3	184,2	3,2	184,2	266,3	187,2	100,3
50,8	R3552C	2.326	231,8	282,6	298,5	54,0	241,3	3,2	241,3	457,2	321,4	137,1
152,4	R3556C	6.975	333,4	485,8	298,5	54,0	241,3	3,2	241,3	457,2	321,4	197,0
254,0	R35510C	11.624	435,0	689,0	298,5	54,0	241,3	3,2	241,3	457,2	321,4	256,5
50,8	R4302C	2.841	263,5	314,3	330,2	63,5	266,7	3,2	266,7	558,5	392,7	199,8
152,4	R4306C	8.520	365,1	517,5	330,2	63,5	266,7	3,2	266,7	558,5	392,7	276,5
50,8	R5652C	3.710	292,1	342,9	377,8	69,9	304,8	3,2	304,8	729,5	512,9	289,7
152,4	R5656C	11.129	393,7	546,1	377,8	69,9	304,8	3,2	304,8	729,5	512,9	389,5
254,0	R56510C	18.548	495,3	749,3	377,8	69,9	304,8	3,2	304,8	729,5	512,9	489,4
	50,8 152,4 254,0 50,8 152,4 254,0 50,8 152,4 50,8 152,4 254,0 50,8 152,4 254,0 50,8 152,4 254,0	Imm 50.8 R552C 152.4 R556C 254.0 R5510C 50.8 R1002C 152.4 R1006C 50.8 R1502C 152.4 R1506C 254.0 R15010C 50.8 R2002C 152.4 R2006C 50.8 R3550C 152.4 R3556C 254.0 R35510C 50.8 R4302C 152.4 R4306C 50.8 R5550C 50.8 R565C 152.4 R565C 50.8 R565C	Stroke No. Cap. (mm) (cms) 50.8 R552C 362 152.4 R550C 1.881 50.8 R502C 677 152.4 R1002C 677 152.4 R100C 2.030 50.8 R1002C 5.032 50.8 R100C 5.032 50.8 R2002C 1.355 152.4 R15010C 5.032 50.8 R352C 2.326 152.4 R3556C 6.975 254.0 R35510C 11.624 50.8 R352C 2.841 152.4 R436C 8.520 50.8 R4302C 2.841 152.4 R436C 8.520 50.8 R5652C 3.710 152.4 R4362C 3.710	Stroke No. Cap. (mm) Ht. (mm) 50.8 R552C 362 125.4 152.4 R556C 1.087 227.0 254.0 R5510C 1.811 328.6 50.8 R1002C 677 139.7 152.4 R1066C 2.030 241.3 50.8 R1002C 677 161.9 152.4 R1066C 3.019 263.5 254.0 R15010C 5.032 365.1 50.8 R2002C 1.355 190.5 152.4 R2006C 4.062 292.1 50.8 R3552C 2.326 231.8 152.4 R3556C 6.975 333.4 254.0 R35510C 11.624 435.0 50.8 R3022C 2.841 263.5 152.4 R306C 8.520 365.1 50.8 R562C 3.710 292.1 50.4 R5656C 11.129 393.7 254.0	Stroke No. Cap. (mm) Ht. (mm) Ht. (mm) Ht. (mm) 50.8 R552C 362 125.4 176.2 152.4 R556C 1.087 227.0 379.4 254.0 R5510C 1.811 328.6 582.6 50.8 R1002C 677 139.7 190.5 152.4 R1506C 3.019 263.5 415.9 152.4 R1006C 2.030 241.3 393.7 50.8 R1502C 1.007 161.9 212.7 152.4 R1506C 3.019 263.5 415.9 254.0 R15010C 5.032 365.1 619.1 50.8 R2002C 1.355 190.5 241.3 152.4 R256C 6.975 333.4 485.8 254.0 R35510C 11.624 435.0 689.0 50.8 R362C 2.841 263.5 314.3 152.4 R4656C 8.17.0 292.1 3442.9	Stroke No. Cap. (mm) Ht. (mm) Ht. (mm) Ht. (mm) Ht. (mm) Dia. (mm) 50.8 R552C 362 125.4 176.2 127.0 152.4 R556C 1.087 227.0 379.4 127.0 50.8 R1002C 677 139.7 190.5 165.1 152.4 R550C 2.030 241.3 393.7 165.1 152.4 R100C 2.030 241.3 393.7 165.1 152.4 R100C 5.032 365.1 619.1 204.8 152.4 R100C 5.032 365.1 619.1 204.8 152.4 R200C 1.355 190.5 241.3 235.0 152.4 R256C 6.975 333.4 485.8 298.5 152.4 R3550C 11.624 435.0 689.0 298.5 152.4 R430C 2.841 263.5 314.3 330.2 152.4 R4306C 8.520 365.1 </td <td>Stroke No. Cap. Ht. Ht. It. Dia. Port (mm) (cma) (mm) (mm</td> <td>Order Stroke Order No. Oil Cap. Retracted Ht. Extended (mm) Outside (mm) to (mm) Outside (mm) opent (mm) Mod (mm) 50.8 R556C 362 125.4 176.2 127.0 25.4 95.3 152.4 R556C 1.087 227.0 379.4 127.0 25.4 95.3 50.8 R102C 677 139.7 190.5 165.1 25.4 130.2 50.8 R1002C 677 139.7 190.5 165.1 25.4 130.2 50.8 R1002C 677 139.7 190.5 165.1 25.4 130.2 50.8 R1502C 1.007 161.9 212.7 204.8 31.8 158.8 152.4 R1506C 3.019 263.5 415.9 204.8 31.8 158.8 152.4 R1506C 4.062 292.1 444.5 235.0 41.3 184.2 50.8 R2022C 1.3355 190.5 241.3 <t< td=""><td>Order No. Oril Cap. Retracted Ht. Extended Ht. Outside Dia. Rod Port Rod Dia. Rod Protrusion 50.8 R552C Cap. (mm) (mm)</td><td>Order Stroke Oril No. Retracted Cap. Extended Ht. Outside Ht. No. Rod Dia. Rod Protrusion Bore Dia. 50.8 R552C 362 125,4 176,2 127,0 25,4 95,3 3,2 95,3 152,4 R556C 1.087 227,0 379,4 127,0 25,4 95,3 3,2 95,3 50,8 R550C 1.811 328,6 582,6 127,0 25,4 95,3 3,2 95,3 50,8 R1002C 677 139,7 190,5 165,1 25,4 130,2 3,2 130,2 50,8 R1002C 0.07 161,9 212,7 204,8 31,8 158,8 3,2 158,8 152,4 R1506C 3.019 263,5 415,9 204,8 31,8 158,8 3,2 158,8 50,8 R2002C 1.355 190,5 241,3 235,0 41,3 184,2 3,2 148,2 50,8 R355C</td><td>Order Stroke Oil No. Retracted Cap. (mm) Extracted Ht. Extended Ht. Outside Dia. Rod Dia. Rod Protrusion Bore Dia. Bore Prote Minitoria Bore Dia. Bore Protrusion Bore Dia. Area (mm) 50.8 R550C 1007 125,4 176,2 127,0 25,4 95,3 3,2 95,3 71,2 152,4 R556C 1.087 227,0 379,4 127,0 25,4 95,3 3,2 95,3 71,2 50,8 R1002C 677 139,7 190,5 165,1 25,4 130,2 3,2 130,2 133,1 152,4 R1506C 3.019 263,5 415,9 204,8 31,8 158,8 3,2 158,8 197,9 152,4 R1506C 3.019 263,5 415,9 204,8 31,8 158,8 3,2 158,8 197,9 152,4 R1506C 3.019 263,5 411,3 236,0 41,3 184,2 3,2 184,8 197,9 <td>Order Stroke Oil No. Retracted Cap. (nm) Extracted Ht. Extended (nm) Outside (nm) No. Bore Dia. Effective Protrusion Bore Dia. Effective (nm) Metric Tom: Dia. 50.8 R552C 362 125.4 176.2 127.0 25.4 95.3 3.2 95.3 71.2 50.1 152.4 R556C 1.087 227.0 379.4 127.0 25.4 95.3 3.2 95.3 71.2 50.1 152.4 R550C 1.811 328.6 582.6 127.0 25.4 95.3 3.2 95.3 71.2 50.1 50.8 R1002C 677 139.7 190.5 165.1 25.4 130.2 3.2 130.2 133.1 93.6 152.4 R1506C 3.019 263.5 415.9 204.8 31.8 158.8 3.2 158.8 197.9 139.1 152.4 R1506C 3.019 263.5 41.3 235.0 41.3 184.2 3.2</td></td></t<></td>	Stroke No. Cap. Ht. Ht. It. Dia. Port (mm) (cma) (mm) (mm	Order Stroke Order No. Oil Cap. Retracted Ht. Extended (mm) Outside (mm) to (mm) Outside (mm) opent (mm) Mod (mm) 50.8 R556C 362 125.4 176.2 127.0 25.4 95.3 152.4 R556C 1.087 227.0 379.4 127.0 25.4 95.3 50.8 R102C 677 139.7 190.5 165.1 25.4 130.2 50.8 R1002C 677 139.7 190.5 165.1 25.4 130.2 50.8 R1002C 677 139.7 190.5 165.1 25.4 130.2 50.8 R1502C 1.007 161.9 212.7 204.8 31.8 158.8 152.4 R1506C 3.019 263.5 415.9 204.8 31.8 158.8 152.4 R1506C 4.062 292.1 444.5 235.0 41.3 184.2 50.8 R2022C 1.3355 190.5 241.3 <t< td=""><td>Order No. Oril Cap. Retracted Ht. Extended Ht. Outside Dia. Rod Port Rod Dia. Rod Protrusion 50.8 R552C Cap. (mm) (mm)</td><td>Order Stroke Oril No. Retracted Cap. Extended Ht. Outside Ht. No. Rod Dia. Rod Protrusion Bore Dia. 50.8 R552C 362 125,4 176,2 127,0 25,4 95,3 3,2 95,3 152,4 R556C 1.087 227,0 379,4 127,0 25,4 95,3 3,2 95,3 50,8 R550C 1.811 328,6 582,6 127,0 25,4 95,3 3,2 95,3 50,8 R1002C 677 139,7 190,5 165,1 25,4 130,2 3,2 130,2 50,8 R1002C 0.07 161,9 212,7 204,8 31,8 158,8 3,2 158,8 152,4 R1506C 3.019 263,5 415,9 204,8 31,8 158,8 3,2 158,8 50,8 R2002C 1.355 190,5 241,3 235,0 41,3 184,2 3,2 148,2 50,8 R355C</td><td>Order Stroke Oil No. Retracted Cap. (mm) Extracted Ht. Extended Ht. Outside Dia. Rod Dia. Rod Protrusion Bore Dia. Bore Prote Minitoria Bore Dia. Bore Protrusion Bore Dia. Area (mm) 50.8 R550C 1007 125,4 176,2 127,0 25,4 95,3 3,2 95,3 71,2 152,4 R556C 1.087 227,0 379,4 127,0 25,4 95,3 3,2 95,3 71,2 50,8 R1002C 677 139,7 190,5 165,1 25,4 130,2 3,2 130,2 133,1 152,4 R1506C 3.019 263,5 415,9 204,8 31,8 158,8 3,2 158,8 197,9 152,4 R1506C 3.019 263,5 415,9 204,8 31,8 158,8 3,2 158,8 197,9 152,4 R1506C 3.019 263,5 411,3 236,0 41,3 184,2 3,2 184,8 197,9 <td>Order Stroke Oil No. Retracted Cap. (nm) Extracted Ht. Extended (nm) Outside (nm) No. Bore Dia. Effective Protrusion Bore Dia. Effective (nm) Metric Tom: Dia. 50.8 R552C 362 125.4 176.2 127.0 25.4 95.3 3.2 95.3 71.2 50.1 152.4 R556C 1.087 227.0 379.4 127.0 25.4 95.3 3.2 95.3 71.2 50.1 152.4 R550C 1.811 328.6 582.6 127.0 25.4 95.3 3.2 95.3 71.2 50.1 50.8 R1002C 677 139.7 190.5 165.1 25.4 130.2 3.2 130.2 133.1 93.6 152.4 R1506C 3.019 263.5 415.9 204.8 31.8 158.8 3.2 158.8 197.9 139.1 152.4 R1506C 3.019 263.5 41.3 235.0 41.3 184.2 3.2</td></td></t<>	Order No. Oril Cap. Retracted Ht. Extended Ht. Outside Dia. Rod Port Rod Dia. Rod Protrusion 50.8 R552C Cap. (mm) (mm)	Order Stroke Oril No. Retracted Cap. Extended Ht. Outside Ht. No. Rod Dia. Rod Protrusion Bore Dia. 50.8 R552C 362 125,4 176,2 127,0 25,4 95,3 3,2 95,3 152,4 R556C 1.087 227,0 379,4 127,0 25,4 95,3 3,2 95,3 50,8 R550C 1.811 328,6 582,6 127,0 25,4 95,3 3,2 95,3 50,8 R1002C 677 139,7 190,5 165,1 25,4 130,2 3,2 130,2 50,8 R1002C 0.07 161,9 212,7 204,8 31,8 158,8 3,2 158,8 152,4 R1506C 3.019 263,5 415,9 204,8 31,8 158,8 3,2 158,8 50,8 R2002C 1.355 190,5 241,3 235,0 41,3 184,2 3,2 148,2 50,8 R355C	Order Stroke Oil No. Retracted Cap. (mm) Extracted Ht. Extended Ht. Outside Dia. Rod Dia. Rod Protrusion Bore Dia. Bore Prote Minitoria Bore Dia. Bore Protrusion Bore Dia. Area (mm) 50.8 R550C 1007 125,4 176,2 127,0 25,4 95,3 3,2 95,3 71,2 152,4 R556C 1.087 227,0 379,4 127,0 25,4 95,3 3,2 95,3 71,2 50,8 R1002C 677 139,7 190,5 165,1 25,4 130,2 3,2 130,2 133,1 152,4 R1506C 3.019 263,5 415,9 204,8 31,8 158,8 3,2 158,8 197,9 152,4 R1506C 3.019 263,5 415,9 204,8 31,8 158,8 3,2 158,8 197,9 152,4 R1506C 3.019 263,5 411,3 236,0 41,3 184,2 3,2 184,8 197,9 <td>Order Stroke Oil No. Retracted Cap. (nm) Extracted Ht. Extended (nm) Outside (nm) No. Bore Dia. Effective Protrusion Bore Dia. Effective (nm) Metric Tom: Dia. 50.8 R552C 362 125.4 176.2 127.0 25.4 95.3 3.2 95.3 71.2 50.1 152.4 R556C 1.087 227.0 379.4 127.0 25.4 95.3 3.2 95.3 71.2 50.1 152.4 R550C 1.811 328.6 582.6 127.0 25.4 95.3 3.2 95.3 71.2 50.1 50.8 R1002C 677 139.7 190.5 165.1 25.4 130.2 3.2 130.2 133.1 93.6 152.4 R1506C 3.019 263.5 415.9 204.8 31.8 158.8 3.2 158.8 197.9 139.1 152.4 R1506C 3.019 263.5 41.3 235.0 41.3 184.2 3.2</td>	Order Stroke Oil No. Retracted Cap. (nm) Extracted Ht. Extended (nm) Outside (nm) No. Bore Dia. Effective Protrusion Bore Dia. Effective (nm) Metric Tom: Dia. 50.8 R552C 362 125.4 176.2 127.0 25.4 95.3 3.2 95.3 71.2 50.1 152.4 R556C 1.087 227.0 379.4 127.0 25.4 95.3 3.2 95.3 71.2 50.1 152.4 R550C 1.811 328.6 582.6 127.0 25.4 95.3 3.2 95.3 71.2 50.1 50.8 R1002C 677 139.7 190.5 165.1 25.4 130.2 3.2 130.2 133.1 93.6 152.4 R1506C 3.019 263.5 415.9 204.8 31.8 158.8 3.2 158.8 197.9 139.1 152.4 R1506C 3.019 263.5 41.3 235.0 41.3 184.2 3.2

Base Mounting Holes (Optional) Available on request: Up to 1140 tons capacity and Strokes: 101.6 mm, 203.2 mm & 304.8 mm



High Tonnage **CYLINDERS R SERIES**

100-565 Ton Double-Acting Hydraulic 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 reduces wear on piston and gland nut.
- · Built-in safety relief valve prevents over-pressurization of the retract circuit.
- Each cylinder has two 9796 ³√8" NPTF female half couplers.

-				A	ABUFUHK										
					Re-	Ex-		Base	Cylinder		Piston		Cylinder		
Cyl.		Order	Oi		tracted	tended		to	Top to	Rod	Rod		Effective	Tons	
	Stroke (mm)	No.		pacity m³ ⁾	Height (mm)	Height (mm)	Dia. (mm)	Port (mm)	Port (mm)	Dia. P (mm)	rotrusion (mm)	Dia. (mm)	Area (cm²)	at 700 bar	Weight (kg)
			Push	Return									Push	Push	
100	50,8	R1002D	676	315	168,7	219,5	165,1	25,4	56,0	95,3	7,1	130,2	132,9	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	93,4	36,8
_100	254,0	R10010D	3.378	1.574	371,9	625,9	165,1	25,4	56,0	95,3	7,1	130,2	132,9	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	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	139,1	61,7
_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	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	187,2	84,9
_200	254,0	R20010D	6.773	3.214	410,0	664,0	235,0	41,3	58,7	133,4	8,7	184,2	266,4	187,2	108,5
_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	257,3	134,8
_280	254,0	R28010D	9.299	3.870	437,0	691,0	276,2	47,6	65,5	165,1	10,3	215,9	365,7	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	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	321,4	191,1
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	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	392,7	253,3
_430	254,0	R43010D	14.202	4.887	515,9	769,9	330,2	63,5	75,0	215,9	11,9	266,7	558,6	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	512,9	281,0
	152,4		11.129	3.779	446,9	599,3	377,8	69,9	81,4	247,7		304,8	729,5	512,9	350,4
565	254,0	R56510D	18.548	6.298	548,5	802,5	377,8	69,9	81,4	247,7	13,9	304,8	729,5	512,9	420,4

se Mounting Holes (Optional

vailable on request: Up to 1140 tons capacity and Strokes: 101.6 mm, 203.2 mm & 304.8 mm

