

# High Tonnage CYLINDERS R SERIES

**100-565 Ton**  
Double-Acting,  
Hydraulic-Return

High-tonnage, low cycle,  
hydraulic return.

CYLINDERS

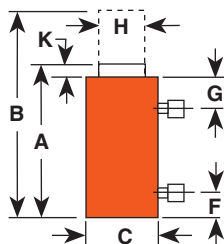
- Cylinders come standard with swivel caps to reduce the effects of off-center loading.
- Cylinders may be “dead-ended” without damage.
- Hard chrome plated, heat treated piston rod reduces wear on piston and gland nut.
- Built-in safety relief valve prevents over-pressurization of the retract circuit.
- Each cylinder has two 9796 3/8" NPTF female half couplers.



R1502D



R2806D



Cyl. Cap. (tons)	Order Stroke (in.)	Order No.	Oil Capacity (cu. in.)		A Re-tracted Height (in.)	B Ex-tended Height (in.)	C Outside Dia. (in.)	F Base to Port (in.)	G Cylinder Top to Port (in.)	H Piston Rod Dia. (in.)	K Piston Rod Protrusion (in.)	Cylinder				Prod. Wt. (lbs.)	
			Push	Return								Bore Dia. (in.)	Effective Area (sq. in.)	Internal Press. (psi)	Tons at 10,000 psi		
100	2	R1002D	41.2	19.2	6 <sup>41</sup> / <sub>64</sub>	8 <sup>41</sup> / <sub>64</sub>	6 <sup>1</sup> / <sub>2</sub>	1	2 <sup>13</sup> / <sub>64</sub>	3 <sup>3</sup> / <sub>4</sub>	9 <sup>9</sup> / <sub>32</sub>	5 <sup>1</sup> / <sub>8</sub>	20.60	9,695	103.0	54	
100	6	R1006D	123.6	57.6	10 <sup>41</sup> / <sub>64</sub>	16 <sup>41</sup> / <sub>64</sub>	6 <sup>1</sup> / <sub>21</sub>	1	2 <sup>13</sup> / <sub>64</sub>	3 <sup>3</sup> / <sub>4</sub>	9 <sup>9</sup> / <sub>32</sub>	5 <sup>1</sup> / <sub>8</sub>	20.60	9,695	103.0	81	
100	6	RA1006D	Contact factory for details and availability														
100	10	R10010D	206.0	96.0	14 <sup>41</sup> / <sub>64</sub>	24 <sup>41</sup> / <sub>64</sub>	6 <sup>1</sup> / <sub>2</sub>	1	2 <sup>13</sup> / <sub>64</sub>	3 <sup>3</sup> / <sub>4</sub>	9 <sup>9</sup> / <sub>32</sub>	5 <sup>1</sup> / <sub>8</sub>	20.60	9,695	103.0	108	
150	2	R1502D	61.4	29.6	7 <sup>7</sup> / <sub>16</sub>	9 <sup>7</sup> / <sub>16</sub>	8 <sup>1</sup> / <sub>16</sub>	1 <sup>1</sup> / <sub>4</sub>	2 <sup>1</sup> / <sub>4</sub>	4 <sup>1</sup> / <sub>2</sub>	19 <sup>9</sup> / <sub>64</sub>	6 <sup>1</sup> / <sub>4</sub>	30.70	9,778	153.4	95	
150	6	RA1506D	Contact factory for details and availability														
150	6	R1506D	184.2	88.8	11 <sup>7</sup> / <sub>16</sub>	17 <sup>7</sup> / <sub>16</sub>	8 <sup>1</sup> / <sub>16</sub>	1 <sup>1</sup> / <sub>4</sub>	2 <sup>1</sup> / <sub>4</sub>	4 <sup>1</sup> / <sub>2</sub>	19 <sup>9</sup> / <sub>64</sub>	6 <sup>1</sup> / <sub>4</sub>	30.70	9,778	153.4	136	
200	2	R2002D	82.6	39.2	8 <sup>8</sup> / <sub>64</sub>	10 <sup>8</sup> / <sub>64</sub>	9 <sup>1</sup> / <sub>4</sub>	1 <sup>5</sup> / <sub>8</sub>	2 <sup>5</sup> / <sub>16</sub>	5 <sup>1</sup> / <sub>4</sub>	11 <sup>11</sup> / <sub>32</sub>	7 <sup>1</sup> / <sub>4</sub>	41.30	9,690	206.4	136	
200	6	RA2006D	Contact factory for details and availability														
200	6	R2006D	247.8	117.6	12 <sup>9</sup> / <sub>64</sub>	18 <sup>9</sup> / <sub>64</sub>	9 <sup>1</sup> / <sub>4</sub>	1 <sup>5</sup> / <sub>8</sub>	2 <sup>5</sup> / <sub>16</sub>	5 <sup>1</sup> / <sub>4</sub>	11 <sup>11</sup> / <sub>32</sub>	7 <sup>1</sup> / <sub>4</sub>	41.30	9,690	206.4	187	
200	10	R20010D	413.0	196.0	16 <sup>9</sup> / <sub>64</sub>	26 <sup>9</sup> / <sub>64</sub>	9 <sup>1</sup> / <sub>4</sub>	1 <sup>5</sup> / <sub>8</sub>	2 <sup>5</sup> / <sub>16</sub>	5 <sup>1</sup> / <sub>4</sub>	11 <sup>11</sup> / <sub>32</sub>	7 <sup>1</sup> / <sub>4</sub>	41.30	9,690	206.4	239	
280	2	R2802D	113.4	47.2	9 <sup>13</sup> / <sub>64</sub>	11 <sup>13</sup> / <sub>64</sub>	10 <sup>7</sup> / <sub>8</sub>	1 <sup>7</sup> / <sub>8</sub>	2 <sup>37</sup> / <sub>64</sub>	6 <sup>1</sup> / <sub>2</sub>	13 <sup>13</sup> / <sub>32</sub>	8 <sup>1</sup> / <sub>2</sub>	56.70	9,870	283.7	219	
280	6	R2806D	340.2	141.6	13 <sup>13</sup> / <sub>64</sub>	19 <sup>13</sup> / <sub>64</sub>	10 <sup>7</sup> / <sub>8</sub>	1 <sup>7</sup> / <sub>8</sub>	2 <sup>37</sup> / <sub>64</sub>	6 <sup>1</sup> / <sub>2</sub>	13 <sup>13</sup> / <sub>32</sub>	8 <sup>1</sup> / <sub>2</sub>	56.70	9,870	283.7	297	
280	10	R28010D	567.0	236.0	17 <sup>13</sup> / <sub>64</sub>	27 <sup>13</sup> / <sub>64</sub>	10 <sup>7</sup> / <sub>8</sub>	1 <sup>7</sup> / <sub>8</sub>	2 <sup>37</sup> / <sub>64</sub>	6 <sup>1</sup> / <sub>2</sub>	13 <sup>13</sup> / <sub>32</sub>	8 <sup>1</sup> / <sub>2</sub>	56.70	9,870	283.7	376	
355	2	R3552D	141.8	47.4	11 <sup>3</sup> / <sub>8</sub>	13 <sup>3</sup> / <sub>8</sub>	11 <sup>3</sup> / <sub>4</sub>	2 <sup>1</sup> / <sub>8</sub>	2 <sup>3</sup> / <sub>4</sub>	7 <sup>3</sup> / <sub>4</sub>	7 <sup>7</sup> / <sub>16</sub>	9 <sup>1</sup> / <sub>2</sub>	70.90	10,017	354.4	324	
355	6	R3556D	425.4	142.2	15 <sup>3</sup> / <sub>8</sub>	21 <sup>3</sup> / <sub>8</sub>	11 <sup>3</sup> / <sub>4</sub>	2 <sup>1</sup> / <sub>8</sub>	2 <sup>3</sup> / <sub>4</sub>	7 <sup>3</sup> / <sub>4</sub>	7 <sup>7</sup> / <sub>16</sub>	9 <sup>1</sup> / <sub>2</sub>	70.90	10,017	354.4	421	
430	2	R4302D	173.2	59.6	12 <sup>5</sup> / <sub>16</sub>	14 <sup>5</sup> / <sub>16</sub>	13	2 <sup>1</sup> / <sub>2</sub>	2 <sup>61</sup> / <sub>64</sub>	8 <sup>1</sup> / <sub>2</sub>	15 <sup>15</sup> / <sub>32</sub>	10 <sup>1</sup> / <sub>2</sub>	86.60	9,932	433.0	439	
430	6	R4306D	519.6	178.8	16 <sup>5</sup> / <sub>16</sub>	22 <sup>5</sup> / <sub>16</sub>	13	2 <sup>1</sup> / <sub>2</sub>	2 <sup>61</sup> / <sub>64</sub>	8 <sup>1</sup> / <sub>2</sub>	15 <sup>15</sup> / <sub>32</sub>	10 <sup>1</sup> / <sub>2</sub>	86.60	9,932	433.0	558	
430	10	R43010D	866.0	298.0	20 <sup>5</sup> / <sub>16</sub>	30 <sup>5</sup> / <sub>16</sub>	13	2 <sup>1</sup> / <sub>2</sub>	2 <sup>61</sup> / <sub>64</sub>	8 <sup>1</sup> / <sub>2</sub>	15 <sup>15</sup> / <sub>32</sub>	10 <sup>1</sup> / <sub>2</sub>	86.60	9,932	433.0	673	
565	2	R5652D	226.2	76.8	13 <sup>19</sup> / <sub>32</sub>	15 <sup>19</sup> / <sub>32</sub>	14 <sup>7</sup> / <sub>8</sub>	2 <sup>3</sup> / <sub>4</sub>	3 <sup>13</sup> / <sub>64</sub>	9 <sup>3</sup> / <sub>4</sub>	35 <sup>35</sup> / <sub>64</sub>	12	113.10	9,991	565.5	619	
565	6	R5656D	678.6	230.4	17 <sup>19</sup> / <sub>32</sub>	23 <sup>19</sup> / <sub>32</sub>	14 <sup>7</sup> / <sub>8</sub>	2 <sup>3</sup> / <sub>4</sub>	3 <sup>13</sup> / <sub>64</sub>	9 <sup>3</sup> / <sub>4</sub>	35 <sup>35</sup> / <sub>64</sub>	12	113.10	9,991	565.5	772	
565	10	R56510D	1131.0	384.0	21 <sup>19</sup> / <sub>32</sub>	31 <sup>19</sup> / <sub>32</sub>	14 <sup>7</sup> / <sub>8</sub>	2 <sup>3</sup> / <sub>4</sub>	3 <sup>13</sup> / <sub>64</sub>	9 <sup>3</sup> / <sub>4</sub>	35 <sup>35</sup> / <sub>64</sub>	12	113.10	9,991	565.5	926	



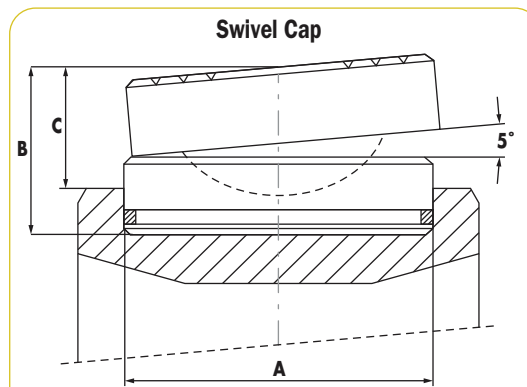
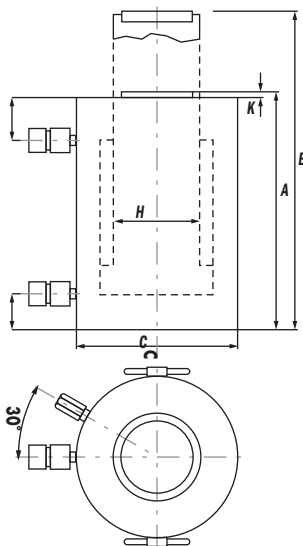
# High Tonnage CYLINDER RC SERIES

## 740 & 1220 Double-Acting, Hydraulic Return

High Tonnage Cylinders  
Rugged And Reliable!

- Cylinders come standard with hardened caps.
- Optional swivel caps to reduce the effects of off-center loading.
- Cylinders may be “dead-ended” without damage.
- Safety relief valve prevents over-pressurization of the retract circuit.
- Each cylinder has two 9796 3/8" NPTF female half couplers.

### Double-Acting High Tonnage Cylinders



Order No.	Used with Cyl. Order No.	A in.	B in.	C in.	Product Wt. lbs.
2000822	RC740*D	7.9	3.1	2.2	42.5
2000823	RC965*D	9.8	4.1	3.0	88.2
2000825	RC1220*D	12.7	6.9	4.9	249.1

In mm Cyl. Cap. (tons)	Stroke (in.)	Order No.	Oil Cap. (cu. in.)	A Retracted Height (in.)	B Extended Height (in.)	C Outside Dia. (in.)	F Base to Port (in.)	G Cyl. Top to Port (in.)	H Piston Rod Dia. (in.)	K Piston Rod Protrusion (in.)	Cyl. Effective Area (cu. in.)	10,000 psi	Product Wt.
740	2.0	RC7402D	293.6	11.1	13.1	16.9	2.6	3.9	13.8	0.4	149.1	742	670
740	6	RC7406D	880.7	15.7	21.6	16.9	2.6	3.9	13.8	0.4	149.1	742	877
740	10	RC74010D	1,467.8	20.0	29.8	16.9	2.6	3.9	13.8	0.4	149.1	742	1080
965	2.0	RC9652D	383.2	12.2	14.2	19.3	2.8	4.5	15.7	0.4	194.8	970	957
965	6	RC9656D	1,150.2	16.5	22.4	19.3	2.8	4.5	15.7	0.4	194.8	970	1,215
965	10	RC96510D	1,916.2	20.9	30.7	19.3	2.8	4.5	15.7	0.4	194.8	970	1,473
1220	2.0	RC12202D	485.1	13.0	15.0	21.7	3.1	5.3	17.7	0.4	246.5	1227	1,287
1220	6	RC12206D	1,455.8	17.3	23.2	21.7	3.1	5.3	17.7	0.4	246.5	1227	1,612
1220	10	RC122010D	2,452.2	21.7	31.5	21.7	3.1	5.3	17.7	0.4	246.5	1227	1,936

CYLINDERS

