

CYLINDERS



SUPERIOR FEATURES OF POWER TEAM HYDRAULIC CYLINDERS:

We build our own cylinders in our ISO 9001 registered manufacturing facilities. All Power Team cylinders are date coded and stamped with a maximum pressure rating and capacity. Each cylinder we make complies with the demanding ASME B30.1 standard and are assembled/tested by certified assemblers and pressure tested to 125% of capacity before leaving our factories. Some other key features included:

- Cylinder bores are roller burnished to harden and smooth the surface, improving seal life by 30%.
- Base mounting holes withstand full cylinder capacity.
- Typical cylinder burst pressure range is from 25,000 to 35,000 psi, well-beyond extreme usage.
- Cylinders with gland nuts may be "dead-ended" at 10,000 psi.
- Eddy current and mag-particle inspections detect flaws in the steel.
- Material is removed from surface to ensure that any flaws are eliminated.





	Page Description	Cylinder Movement	Type of Return	Tonnage Range	Page(s)
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	RLS	Single-Acting	Spring	5-150	18
	RSS	Single-Acting Double-Acting	Spring	10-250	19-20
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	RT	Single-Acting	Spring	17.5-100	23-24
	RGG	Single-Acting	Load	55-600	25-28
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SELECTING THE RIGHT CYLINDER:

Step 1: Select the hydraulic cylinder that best suits the application.

Step 2: Select a hydraulic pump with adequate oil output and reservoir capacity to power cylinder.

Step 3: Select pump and valve option that is best suited to the cylinder and application.

CYLINDER SIZING CONSIDERATIONS:

1. What push or pull tonnage is required per cylinder in your application? Power Team recommends using 80% of the rated capacity and stroke to maximize product performance and safety.
2. What is the push or pull stroke length required?
3. Does the cylinder need to push, pull or both? (Single-acting cylinders extend the piston under hydraulic pressure. Double-acting cylinders extend and retract the piston under pressure.)
4. Does the application require multiple cylinders?
5. Is the application stationary, or must the components be light in weight for easy portability?
6. Do you need to extend a rod or cable through the center of the cylinder for the application, as in a tensioning operation?
7. Does the application require that the cylinder fit within limited-clearance work areas?
8. Does the application require that the cylinder be "dead-ended" at the end of it's work stroke?
9. Will the cylinder need to withstand off-center loads? If yes, consider using swivel load caps.
10. Does the application require that the lifted load be supported for extended periods of time? Locking collars are ideal for such jobs, as are cribbing blocks.
11. Is corrosion resistance required? Our unique "Power-Tech" surface treatment is standard on many Power Team cylinders, and optional on many of our cylinders which feature steel construction.
12. Will the application involve high cycles (over 2,500 in the cylinder's lifetime)? Our "RD," "RH," "RP" and "C" series cylinders are ideal choices. Please refer to pages 12-13 for the capabilities of each cylinder.

WHAT TYPE OF CYLINDER DO YOU NEED?

1. To determine a cylinder's force capacity:

Force
pounds

Cylinder
Effective
Area
(sq. in.)

X

PSI from
Pump

2. To determine oil capacity of a cylinder:

Oil Capacity
(cu. in.)

Cylinder
Effective
Area
(sq. in.)

X

Cylinder
Stroke
(in.)

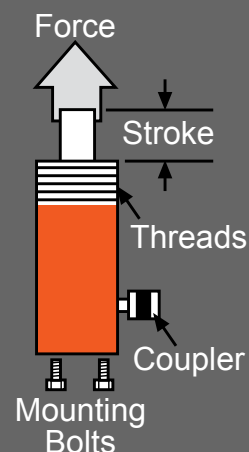
3. To determine reservoir capacity needed for a multiple cylinder system:

Usable Oil

Oil Cap.
of Cyl.
(cu. in.)

X

Number
of Cyl. in
System





The following guidelines are for general lifting and construction applications. Hydraulic tools, pullers and presses may fall outside these recommendations. Always check to see that the pump's "usable reservoir capacity" exceeds the cylinder(s) oil capacity.

Generally Recommended
Marginal Check Requirements
Not Requirements for most applications



	Pressure Stage	CYLINDER CAPACITY (Tons)													
		5	10	15	20	25	30	55	75	100	150	200	300	400	500
Hand Pumps *	P12 ‡	Single	14	32	44	65	72	93							
	P55 ‡	Single	6	14	19	28	31	40	71						
	P19(L)	Low	4	8	10	15	17	21							
		High	13	30	42	59	68	86							
	P59F	Low	1.8	4.1	5.7	8	9	12	20	29					
		High	8	17	24	34	48	50	85	122					
	P59(L) ‡	Low	1.5	3.2	4.7	7	7.7	9.7	16.7	23.9					
	P157(D) ‡	High	6	14	19	28	31	40	71	101					
	P159(D) ‡	Low	0.5	1	1.3	1.9	2.2	2.8	5	7	9	13	18		
	P300(D) ‡	High	7	15	21	30	34	43	77	110	143	200	250		
Electric/Hydraulic Pumps †	P460(D) ‡	Low	0.1	0.3	0.6	0.6	0.7	0.9	1.5	2.2	2.8	4.2	5.6	8.4	11.2
		High	3.3	7.7	9	14	17.5	22	37	55	71	105	143	213	284
	PB10 / PE10	Low	0.5	1.2	1.6	2.2	2.6	3.2	5.5						
		High	6	13.4	18.9	27	31	39	66.2						
	PE17 ‡	Low	0.2	0.5	0.7	0.9	1.1	1.4	2.3	3.3	4.3	6.5	8.7		
		High	3.5	7.9	10.9	16	18	23	39	56.3	73	109	146		
	PE18	Low	0.4	0.8	1.2	1.6	1.8	2.3	3.9	5.7	7.3	10.8	14.6	21.9	29.2
		High	3.3	7.5	10.3	15	17	21	37	53	69	102	136	207	276
	PE21 ‡	Low	0.2	0.5	0.7	1.0	1.1	1.4	2.5	3.6	4.6	6.8	9.2	13.8	18.4
		High	2.8	6.4	9	13	15	19	32	45.5	59	88	118	177	236
	PED25	Low	0.2	0.4	0.6	0.9	1.0	1.3	2.2	3.2	4.1	6.1	8.3	12.0	15.7
		High	2.4	5.4	7.5	10.6	12.4	15.6	26.5	38.2	49.5	73.3	99.1	144.3	188.5
	PE30 ‡	Low	0.2	0.45	0.6	0.9	1	1.3	2.2	3.2	4.1	6			
		High	2	4.5	6	9	10	13	22	32	41	60			
	PE46 ‡	Low	0.1	0.3	0.4	0.5	0.6	0.7	1.3	1.8	2.4	3.5	4.7	7.2	9.6
		High	1.3	2.9	4.1	5.9	6.8	8.6	14	22	28	42	56	84	112
	PE55 ‡	Low	0.1	0.2	0.3	0.4	0.4	0.6	0.9	1.4	1.8	2.6	3.5	5.4	7.2
		High	1.4	2.4	3.4	4.8	5.6	7.1	12	17.8	23	34	45	69	92
	PQ60	Low	0.1	0.2	0.3	0.4	0.4	0.5	0.9	1.3	1.7	2.5	3.4	5.1	6.8
		High	1	2.2	3.3	4.4	5.2	6.5	11	16.2	21	31	41	63	84
	PQ120	Low	0.1	0.2	0.3	0.4	0.4	0.5	0.9	1.3	1.7	2.5	3.4	5.1	6.8
		High	0.5	1.1	1.6	2.2	2.6	3.2	5.5	7.7	10	15	21	30	40
	PE400	Low	0.1	0.1	0.2	0.2	0.3	0.3	0.6	8	1	1.5	2.1	3	4
		High	0.1	0.3	0.4	0.6	0.7	0.9	1.6	2.2	2.9	4.4	5.9	8.7	11.6
Air/Hydraulic Pumps †	PA6 ‡	Single	10	22.4	31	44.4	51.3	65.2							
	PA9 ‡	Single	10	22.4	31	44.4	51.3	65.2							
	PA17 ‡	Low	0.2	0.5	0.7	0.9	1.1	1.4	2.3	3.3	4.3	6.5	8.7		
		High	3.5	7.9	10.9	16	18	23	39	56	73	109	146		
	PA46 ‡	Low	0.1	0.3	0.4	0.5	0.6	0.7	1.3	2	2.4	3.5	4.7	7.2	9.6
		High	1.3	2.9	4.1	5.9	6.8	8.6	14	22	28	56	42	84	112
	PA55 ‡	Low	0.1	0.3	0.4	0.6	0.7	0.9	1.5	2.2	2.8	4.1	5.5	8.4	11.2
		High	1.1	2.4	3.4	4.8	5.6	7.1	12	18	56	34	45	69	92
	PG30	Low	0.3	0.7	1	1.3	1.6	2	3.3	4.8	6.2	9.3	12.4	18.1	
		High	2	4.5	6.3	8.9	10.3	13	22	31.8	41.3	61.4	83	121	
Gas/Hydraulic Pumps †	PG55 ‡	Low	0.1	0.3	0.4	0.6	0.7	0.8	1.4	2	2.6	3.9	5.2	7.6	9.9
		High	1.1	2.5	3.5	4.9	5.6	7.1	12.1	17.3	22.5	33.5	45	66	86
	PG120 ‡	Low	0.1	0.3	0.4	0.6	0.7	0.8	1.4	2	2.6	3.9	5.2	7.6	9.9
		High	0.5	1.0	1.5	2.0	2.4	3.0	5.1	7.3	9.5	14.2	19.1	27.8	36.3
	PG400	Low	0.1	0.1	0.2	0.2	0.3	0.3	0.6	0.8	1.0	1.5	2.0	3.0	3.8
		High	0.2	0.3	0.5	0.7	0.8	1.0	1.7	2.4	3.1	4.6	6.2	9.0	11.8

* Hand Pumps = Number of strokes required to move piston 1".

† Air, Electric and Gasoline Engine/Hydraulic pumps = Number of seconds required to move piston 1".

‡ Some Power Team pumps are available in special configurations not listed in this catalog. Power Team can "Assemble to order" pumps with special seals, voltages, valves, relief valve settings, etc. For your special requirements, please consult your local distributor or the Power Team factory.



INFO SECTION CHOOSING A CYLINDER BY TONNAGE

Power Team

	Stroke (in.)	Retracted Height (in.)	Cylinder Movement	Order No.	Page No.
2 Ton Pull	5.00	9.19	SA	RP25	14
5 Ton Pull	5.50	11.88	SA	RP55	14
5 Ton	0.56	1.63	SA	RLS50	18
	1.00	4.38	SA	C51C	12
	3.25	6.50	SA	C53C	12
	5.25	8.50	SA	C55C	12
	5.25	10.50	SA	C55CBT	13
	7.25	10.75	SA	C57C	12
	9.25	12.75	SA	C59C	12
10 Ton	0.44	1.75	SA	RLS100	18
	1.00	3.63	SA	C101C	12
	1.50	3.50	SA	RSS101	20
	2.13	4.75	SA	C102C	12
	2.50	5.25	SA	RH102	21
	4.13	6.75	SA	C104C	12
	6.13	9.75	SA	C106C	12
	6.13	11.50	SA	C106CBT	13
	6.25	11.69	DA	RD106	34
	8.00	11.31	SA	RH108	21
	8.13	11.75	SA	C108C	12
	10.00	15.69	DA	RD1010	34
	10.13	13.75	SA	C1010C	12
	10.13	15.50	SA	C1010CBT	13
	12.13	15.75	SA	C1012C	12
	14.13	17.75	SA	C1014C	12
12 Ton	0.31	2.19	SA	RH120	21
	1.63	4.81	SA	RH121	21
	1.63	4.81	SA	RH121T	21
	3.00	7.25	SA	RH123	21
15 Ton	1.00	4.88	SA	C151C	12
	2.13	5.88	SA	C152C	12
	4.13	7.88	SA	C154C	12
	6.13	10.69	SA	C156C	12
	8.13	12.69	SA	C158C	12
	10.13	14.69	SA	C1510C	12
	12.13	16.69	SA	C1512C	12
	14.13	18.69	SA	C1514C	12
	16.00	20.56	SA	C1516C	12
17.5 Ton	2.00	6.88	DA	RT172	24
20 Ton	0.44	2.00	SA	RLS200	18
	1.75	3.75	SA	RSS202	20
	2.00	6.13	SA	RH202	21
	2.13	6.38	SA	RA202	17
	3.00	6.06	SA	RH203	21
	4.13	8.38	SA	RA204	17
	6.00	12.13	SA	RH206	21
	6.13	10.38	SA	RA206	17
25 Ton	1.00	5.50	SA	C251C	12
	2.00	6.50	SA	C252C	12
	4.00	8.50	SA	C254C	12
	6.25	10.75	SA	C256C	12
	6.25	13.38	SA	C256CBT	13
	6.25	12.38	DA	RD256	34
	8.25	12.75	SA	C258C	12
	10.25	14.75	SA	C2510C	12
	12.25	16.75	SA	C2512C	12
	14.13	18.75	SA	C2514C	12
	14.13	20.38	DA	RD2514	34
	14.13	21.38	SA	C2514CBT	13

SA - Single-Acting
DA - Double-Acting

	Stroke (in.)	Retracted Height (in.)	Cylinder Movement	Order No.	Page No.
30 Ton	0.50	2.31	SA	RLS300	18
	2.13	7.38	SA	RA302	17
	2.44	4.63	SA	RSS302	20
	2.50	6.25	SA	RH302	21
	2.50	8.44	DA	RT302	24
	3.00	7.06	SA	RH303	22
	4.13	9.38	SA	RA304	17
	5.88	11.13	SA	RHA306	21
	6.00	9.75	SA	RH306	21
	6.00	11.06	DA	RH306D	22
	6.13	11.38	SA	RA306	17
	8.25	12.80	SA	C308C	12
	10.13	17.25	DA	RH3010	22
50 Ton	0.63	2.63	SA	RLS500S	18
	2.38	5.00	SA	RSS502	20
	3.00	7.13	SA	RH503	21
	3.00	10.56	DA	RT503	24
55 Ton	2.00	4.94	SA	R552C	35
	2.00	6.38	SA	R552L	40
	2.00	6.88	SA	C552C	12
	2.00	7.84	DA	RDG552	30
	2.00	7.84	SA	RGG552	26
	2.13	6.75	SA	RA552	17
	4.00	9.84	DA	RDG554	30
	4.00	9.84	SA	RGG554	26
	4.13	8.75	SA	RA554	17
	4.25	9.13	SA	C554C	12
	6.00	8.94	SA	R556C	35
	6.00	10.38	SA	R556L	40
	6.00	11.84	DA	RDG556	30
	6.00	11.84	SA	RGG556	26
	6.13	10.75	SA	RA556	17
	6.13	12.50	SA	RA556L	39
	6.25	11.13	SA	C556C	12
	6.25	12.97	DA	RD556	34
	8.00	13.84	DA	RDG558	30
	8.00	13.84	SA	RGG558	26
	10.00	12.95	SA	R5510C	35
	10.00	14.38	SA	R5510L	40
	10.00	15.13	SA	RA5510	17
	10.00	15.84	DA	RDG5510	30
	10.00	15.84	SA	RGG5510	26
	10.25	15.13	SA	C5510C	12
	12.00	17.84	DA	RDG5512	30
	12.00	17.84	SA	RGG5512	26
	13.00	18.84	DA	RDG5513	30
	13.00	18.84	SA	RGG5513	26
	13.13	19.84	DA	RD5513	34
	13.25	18.13	SA	C5513C	12
	14.00	19.84	DA	RDG5514	30
	14.00	19.84	SA	RGG5514	26
	18.13	25.88	DA	RD5518	34
60 Ton	3.00	9.25	SA	RH603	21
	4.00	9.50	DA	RHA604D	22
	5.00	9.50	DA	RH605	22
	6.00	12.50	SA	RH606	21
	10.13	18.06	DA	RH6010	22
75 Ton	0.63	3.13	SA	RLS750S	18
	2.00	8.31	DA	RDG752	30
	2.00	8.31	SA	RGG752	26
	4.00	10.31	DA	RDG754	30
	4.00	10.31	SA	RGG754	26
	6.00	12.31	DA	RDG756	30
	6.00	12.31	SA	RGG756	26
	6.13	12.38	SA	C756C	12
	8.00	14.31	DA	RDG758	30
	8.00	14.31	SA	RGG758	26

	Stroke (in.)	Retracted Height (in.)	Cylinder Movement	Order No.	Page No.
75 Ton	10.00	16.31	DA	RDG7510	30
	10.00	16.31	SA	RGG7510	26
	12.00	18.31	DA	RDG7512	30
	12.00	18.31	SA	RGG7512	26
	13.00	19.31	DA	RDG7513	30
	13.00	19.31	SA	RGG7513	26
	13.13	19.38	SA	C7513C	12
	14.00	20.31	DA	RDG7514	30
	14.00	20.31	SA	RGG7514	26
	14.00	20.31	SA	RGG7514	26
80 Ton	13.13	20.38	DA	RD8013	34
100 Ton	0.63	3.38	SA	RLS1000S	18
	1.50	5.69	SA	RSS1002D	20
	1.50	6.50	DA	RH1001	22
	2.00	5.50	SA	R1002C	35
	2.00	6.64	DA	R1002D	36
	2.00	7.25	SA	R1002L	40
	2.00	8.63	SA	C1002C	12
	2.00	8.70	DA	RDG1002	30
	2.00	8.70	SA	RGG1002	26
	2.13	7.75	SA	RA1002	17
	2.25	5.50	SA	RSS1002	20
	3.00	10.00	SA	RH1003	21
	4.00	10.70	DA	RDG1004	30
	4.00	10.70	SA	RGG1004	26
	4.88	15.13	DA	RT1004	24
	6.00	9.50	SA	R1006C	35
	6.00	10.64	DA	R1006D	36
	6.00	11.25	SA	R1006L	40
	6.00	12.38	DA	RH1006	22
	6.00	12.70	DA	RDG1006	30
	6.00	12.70	SA	RGG1006	26
	6.25	11.75	SA	RA1006	17
	6.25	13.38	SA	RA1006L	39
	6.63	13.25	SA	C1006C	12
	6.63	13.78	DA	RD1006	34
	8.00	14.70	DA	RDG1008	30
	8.00	14.70	SA	RGG1008	26
	10.00	14.64	DA	R10010D	36
	10.00	15.25	SA	R10010L	40
	10.00	16.70	DA	RDG10010	30
	10.00	16.70	SA	RGG10010	26
	10.13	19.81	DA	RH10010	22
	10.25	15.63	SA	RA10010	17
	10.25	16.88	SA	C10010C	12
	12.00	18.70	DA	RDG10012	30
	12.00	18.70	SA	RGG10012	26
	13.00	19.70	DA	RDG10013	30
	13.00	19.70	SA	RGG10013	26
	13.13	20.28	DA	RD10013	34
	14.00	20.70	DA	RDG10014	30
	14.00	20.70	SA	RGG10014	26
	20.13	28.28	DA	RD10020	34
150 Ton	0.56	4.00	SA	RLS1500S	18
	2.00	6.38	SA	R1502C	35
	2.00	7.44	DA	R1502D	36
	2.00	8.13	SA	R1502L	40
	2.00	9.37	DA	RDG1502	30
	2.00	9.37	SA	RGG1502	26
	4.00	11.37	DA	RDG1504	30
	4.00	11.37	SA	RGG1504	26
	5.00	12.13	DA	RH1505	22
	6.00	10.38	SA	R1506C	35
	6.00	11.44	DA	R1506D	36
	6.00	12.13	SA	R1506L	40
	6.00	13.37	DA	RDG1506	30



	Stroke (in.)	Retracted Height (in.)	Cylinder Movement	Order No.	Page No.
150 Ton	6.00	13.37	SA	RGG1506	26
	6.63	14.88	DA	RD1506	34
	8.00	13.75	DA	RH1508	22
	8.00	15.37	DA	RDG1508	30
	8.00	15.37	SA	RGG1508	26
	10.00	14.38	SA	R15010C	35
	10.00	16.13	SA	R15010L	40
	10.00	17.37	DA	RDG15010	30
	10.00	17.37	SA	RGG15010	26
	12.00	19.37	DA	RDG15012	30
	12.00	19.37	SA	RGG15012	26
	13.00	20.37	DA	RDG15013	30
	13.00	20.37	SA	RGG15013	26
	13.13	21.38	DA	RD15013	34
	14.00	21.37	DA	RDG15014	30
	14.00	21.37	SA	RGG15014	26
	18.13	26.53	DA	RD15018	34
200 Ton	2.00	7.50	SA	R2002C	35
	2.00	8.14	DA	R2002D	36
	2.00	9.50	SA	R2002L	40
	2.00	10.04	DA	RDG2002	30
	2.00	10.04	SA	RGG2002	26
	4.00	12.04	DA	RDG2004	30
	4.00	12.04	SA	RGG2004	26
	6.00	11.50	SA	R2006C	35
	6.00	12.14	DA	R2006D	36
	6.00	13.50	SA	R2006L	40
	6.00	14.04	DA	RDG2006	30
	6.00	14.04	SA	RGG2006	26
	6.63	16.00	DA	RD2006	34
	8.00	15.50	SA	R2008L	40
	8.00	16.06	DA	RH2008	22
	8.00	16.04	DA	RDG2008	30
	8.00	16.04	SA	RGG2008	26
	10.00	16.14	DA	R20010D	36
	10.00	18.04	DA	RDG20010	30
	10.00	18.04	SA	RGG20010	26
	13.00	20.04	DA	RDG20013	30
	13.00	20.04	SA	RGG20013	26
	13.13	22.50	DA	RD20013	34
	14.00	22.04	DA	RDG20014	30
	14.00	22.04	SA	RGG20014	26
	18.13	28.50	DA	RD20018	34
250 Ton	2.00	10.30	DA	RDG2502	32
	2.00	10.30	SA	RGG2502	28
	3.00	11.44	SA	RSS2503	20
	4.00	12.30	DA	RDG2504	32
	4.00	12.30	SA	RGG2504	28
	6.00	14.30	DA	RDG2506	32
	6.00	14.30	SA	RGG2506	28
	8.00	16.30	DA	RDG2508	32
	8.00	16.30	SA	RGG2508	28
	10.00	18.30	DA	RDG25010	32
	10.00	18.30	SA	RGG25010	28
	12.00	20.30	DA	RDG25012	32
	12.00	20.30	SA	RGG25012	28
	13.00	21.30	DA	RDG25013	32
	13.00	21.30	SA	RGG25013	28
	14.00	22.30	DA	RDG25014	32
	14.00	22.30	SA	RGG25014	28

	Stroke (in.)	Retracted Height (in.)	Cylinder Movement	Order No.	Page No.
280 Ton	2.00	7.50	SA	R2802C	35
	2.00	9.20	DA	R2802D	36
	2.00	9.75	SA	R2802L	40
	6.00	11.50	SA	R2806C	35
	6.00	13.20	DA	R2806D	36
	6.00	13.75	SA	R2806L	40
	10.00	17.20	DA	R28010D	36
	10.00	17.75	SA	R28010L	40
	2.00	10.74	DA	RDG3002	32
	2.00	10.74	SA	RGG3002	28
300 Ton	4.00	12.74	DA	RDG3004	32
	4.00	12.74	SA	RGG3004	28
	6.00	14.74	DA	RDG3006	32
	6.00	14.74	SA	RGG3006	28
	6.00	17.28	DA	RD3006	34
	8.00	16.74	DA	RDG3008	32
	8.00	16.74	SA	RGG3008	28
	10.00	18.74	DA	RDG30010	32
	10.00	18.74	SA	RGG30010	28
	12.00	20.74	DA	RDG30012	32
	12.00	20.74	SA	RGG30012	28
	13.00	21.74	DA	RDG30013	32
	13.00	21.74	SA	RGG30013	28
	13.00	24.81	DA	RD30013	34
355 Ton	14.00	22.74	DA	RDG30014	32
	14.00	22.74	SA	RGG30014	28
	2.00	9.13	SA	R3552C	35
	2.00	11.38	DA	R3552D	36
	2.00	11.50	SA	R3552L	40
	6.00	13.13	SA	R3556C	35
	6.00	15.38	DA	R3556D	36
	6.00	15.50	SA	R3556L	40
	10.00	17.13	SA	R35510C	35
	2.00	12.07	DA	RDG4002	32
400 Ton	2.00	12.07	SA	RGG4002	28
	4.00	14.07	DA	RDG4004	32
	4.00	14.07	SA	RGG4004	28
	6.00	16.07	DA	RDG4006	32
	6.00	16.07	SA	RGG4006	28
	6.00	19.28	DA	RD4006	34
	8.00	18.07	DA	RDG4008	32
	8.00	18.07	SA	RGG4008	28
	10.00	20.07	DA	RDG40010	32
	10.00	20.07	SA	RGG40010	28
	12.00	22.07	DA	RDG40012	32
	12.00	22.07	SA	RGG40012	28
	13.00	23.07	DA	RDG40013	32
	13.00	23.07	SA	RGG40013	28
430 Ton	13.00	26.28	DA	RD40013	34
	14.00	24.07	DA	RDG40014	32
	14.00	24.07	SA	RGG40014	28
	2.00	10.38	SA	R4302C	35
	2.00	12.31	DA	R4302D	36
	2.00	13.13	SA	R4302L	40
	6.00	14.38	SA	R4306C	35
	6.00	16.31	DA	R4306D	36
	6.00	17.13	SA	R4306L	40
	10.00	20.31	DA	R43010D	36
	10.00	21.13	SA	R43010L	40

	Stroke (in.)	Retracted Height (in.)	Cylinder Movement	Order No.	Page No.
500 Ton	2.00	12.28	DA	RDG5002	32
	2.00	12.28	SA	RGG5002	28
	4.00	12.28	DA	RDG5004	32
	4.00	14.28	SA	RGG5004	28
	6.00	16.28	DA	RDG5006	32
	6.00	16.28	SA	RGG5006	28
	6.00	20.56	DA	RD5006	34
	8.00	18.28	DA	RDG5008	32
	8.00	18.28	SA	RGG5008	28
	10.00	20.28	DA	RDG50010	32
	10.00	20.28	SA	RGG50010	28
	12.00	22.28	DA	RDG50012	32
	12.00	22.28	SA	RGG50012	28
	13.00	23.28	DA	RDG50013	32
	13.00	23.28	SA	RGG50013	28
	13.00	27.56	DA	RD50013	34
	14.00	24.28	DA	RDG50014	32
	14.00	24.28	SA	RGG50014	28
565 Ton	2.00	11.50	SA	R5652C	35
	2.00	13.59	DA	R5652D	36
	2.00	14.63	SA	R5652L	40
	6.00	15.50	SA	R5656C	35
	6.00	17.59	DA	R5656D	36
	6.00	18.63	SA	R5656L	40
	10.00	19.50	SA	R56510C	35
	10.00	21.59	DA	R56510D	36
	10.00	22.63	SA	R56510L	40
	2.00	12.76	DA	RDG6002	32
600 Ton	2.00	12.76	SA	RGG6002	28
	4.00	14.76	DA	RDG6004	32
	4.00	14.76	SA	RGG6004	28
	6.00	16.76	DA	RDG6006	32
	6.00	16.76	SA	RGG6006	28
	8.00	18.76	DA	RDG6008	32
	8.00	18.76	SA	RGG6008	28
	10.00	20.76	DA	RDG60010	32
	10.00	20.76	SA	RGG60010	28
	12.00	22.76	DA	RDG60012	32
	12.00	22.76	SA	RGG60012	28
	13.00	23.76	DA	RDG60013	32
	13.00	23.76	SA	RGG60013	28
	14.00	24.76	DA	RDG60014	32
	14.00	24.76	SA	RGG60014	28
740- 1220 Ton	2,6,10	—	SA	RC_C	37
	2,6,10	—	DA	RC_D	38
	2,6,10	—	SA	RC_L	42

SA - Single-Acting
DA - Double-Acting

Model Shown:
C756C



► **C10010C** used in this pulling application.



► Features

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.
- Collar threads are standard on all C-Series models, simplifying fixturing applications.
- Removable rubber boots protect collar threads during transport and storage.
- Solid steel cylinder body for durability.
- Chrome plated piston rod resists wear and corrosion.
- Wide range of accessories available that mount onto the piston rod, collar, or base.
- Base mounting holes standard on 5 through 55 ton cylinders and optional on 75 and 100 ton cylinders.
- A 3/8" NPTF female half coupler is standard.
- Complies with ANSI / ASME B30.1 Safety Standards.



Best Practice for Cylinder Selection



Power Team recommends using 80% of the rated capacity and stroke to maximize product performance and safety.



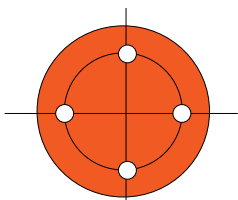
Optional Cylinders Lifting Handle



Order Number: 4206550R9

Lifting handle for "C" series, 25 ton cylinders

► Technical Dimensions, Base Mounting Holes



Four base mounting holes are 45° apart - standard on all models.

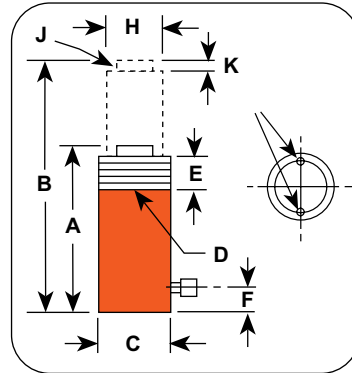
Cylinder Tonnage	5	10	15	25	30	55	75*	100*
# of Holes	2	2	2	2	2	2	4	4
Thread Size	1/4 - 20	5/16 - 18	3/8 - 16	1/2 - 13	1/2-13	1/2 - 13	3/4 - 10	1 - 8
Thread Depth (in.)	0.38	0.50	0.50	0.75	0.75	0.75	1.00	1.00
Bolt Circle Diameter (in.)	1.00	1.56	1.88	2.31	2.90	3.75	4.50	4.75

* Consult Factory for optional base mounting holes.

Technical Dimensions

Cylinder Load Caps furnished with "C" Series Cylinders:

5 ton cylinders	No. 201375
10 ton cylinders	No. 201362
15 ton cylinders	No. 201362
25 ton cylinders	No. 201412
55 ton cylinders	No. 36161
75 ton cylinders	No. 36161
100 ton cylinders	No. 36161



C10010C used in this lift application.



Cylinders

Ordering Information

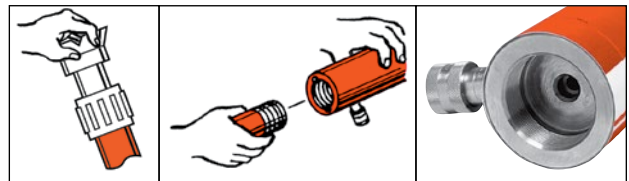
Cyl. Cap.	Stroke	Order No.	Oil Cap.	A	B	C	D	E	F	H	J	K	Bore Dia.	Cylinder Effective Area	Int. Press. at Cap.	Tons at 10,000	Prod. Wt.
Tons	(in.)		(cu. in.)	Re-tracted Height (in.)	Ex-tended Height (in.)	Outside Dia. (in.)	Collar Thread (in.)	Piston Collar Thread Length (in.)	Base to Port (in.)	Pis-ton Rod Dia. (in.)	Piston Rod Int. Thread and Depth (in.)	Rod Pro-trusion (in.)	(in.)	(sq. in.)	(psi)	(tons)	(lbs.)
5	1.00	C51C	1.10	4.34	5.44	1.50	1 1/2-16	1.13	0.75	1.00	3/4-16 x 0.63	0.25	1.13	0.994	10,061	4.97	2.25
	3.25	C53C	3.20	6.50	9.75	1.50	1 1/2-16	1.13	0.75	1.00	3/4-16 x 0.63	0.25	1.13	0.994	10,061	4.97	3.26
	5.25	C55C	5.20	8.50	13.75	1.50	1 1/2-16	1.13	0.75	1.00	3/4-16 x 0.63	0.25	1.13	0.994	10,061	4.97	4.00
	7.25	C57C	7.20	10.75	18.00	1.50	1 1/2-16	1.13	0.75	1.00	3/4-16 x 0.63	0.25	1.13	0.994	10,061	4.97	5.00
	9.25	C59C	9.20	12.75	22.00	1.50	1 1/2-16	1.13	0.75	1.00	3/4-16 x 0.63	0.25	1.13	0.994	10,061	4.97	5.80
10	1.00	C101C	2.20	3.63	4.63	2.25	2 1/4-14	1.13	0.75	1.50	1-8 x 0.75	0.25	1.69	2.236	8,948	11.20	4.00
	2.13	C102C	4.80	4.75	6.88	2.25	2 1/4-14	1.13	0.75	1.50	1-8 x 0.75	0.25	1.69	2.236	8,948	11.20	5.00
	4.13	C104C	9.20	6.75	10.88	2.25	2 1/4-14	1.13	0.75	1.50	1-8 x 0.75	0.25	1.69	2.236	8,948	11.20	6.70
	6.13	C106C	13.70	9.75	15.88	2.25	2 1/4-14	1.13	0.75	1.50	1-8 x 0.75	0.25	1.69	2.236	8,948	11.20	9.40
	8.13	C108C	19.90	11.75	19.88	2.25	2 1/4-14	1.13	0.75	1.50	1-8 x 0.75	0.25	1.69	2.236	8,948	11.20	11.00
	10.13	C1010C	22.60	13.75	23.88	2.25	2 1/4-14	1.13	0.75	1.50	1-8 x 0.75	0.25	1.69	2.236	8,948	11.20	13.00
	12.13	C1012C	27.10	15.75	27.88	2.25	2 1/4-14	1.13	0.75	1.50	1-8 x 0.75	0.25	1.69	2.236	8,948	11.20	14.60
	14.13	C1014C	31.60	17.75	31.88	2.25	2 1/4-14	1.13	0.75	1.50	1-8 x 0.75	0.25	1.69	2.236	8,948	11.20	16.20
15	1.00	C151C	3.10	4.88	5.88	2.75	2 3/4-16	1.13	0.75	1.75	1-8 x 0.75	0.25	2.00	3.142	9,549	15.70	7.50
	2.13	C152C	6.70	5.88	8.00	2.75	2 3/4-16	1.13	0.75	1.75	1-8 x 0.75	0.25	2.00	3.142	9,549	15.70	8.90
	4.13	C154C	12.90	7.88	12.00	2.75	2 3/4-16	1.13	0.75	1.75	1-8 x 0.75	0.25	2.00	3.142	9,549	15.70	11.50
	6.13	C156C	19.20	10.69	16.81	2.75	2 3/4-16	1.13	0.75	1.75	1-8 x 0.75	0.25	2.00	3.142	9,549	15.70	15.30
	8.13	C158C	25.50	12.69	20.81	2.75	2 3/4-16	1.13	0.75	1.75	1-8 x 0.75	0.25	2.00	3.142	9,549	15.70	17.90
	10.13	C1510C	31.80	14.69	24.81	2.75	2 3/4-16	1.13	0.75	1.75	1-8 x 0.75	0.25	2.00	3.142	9,549	15.70	20.70
	12.13	C1512C	38.10	16.69	28.81	2.75	2 3/4-16	1.13	0.75	1.75	1-8 x 0.75	0.25	2.00	3.142	9,549	15.70	23.20
	14.13	C1514C	44.40	18.69	32.81	2.75	2 3/4-16	1.13	0.75	1.75	1-8 x 0.75	0.25	2.00	3.142	9,549	15.70	26.00
25	1.00	C251C	5.10	5.50	6.50	3.38	3 5/16-12	1.94	1.00	2.25	1 1/2-16 x 0.88	0.38	2.56	5.15	9,699	25.80	11.90
	2.00	C252C	10.30	6.50	8.50	3.38	3 5/16-12	1.94	1.00	2.25	1 1/2-16 x 0.88	0.38	2.56	5.15	9,699	25.80	13.90
	4.00	C254C	20.60	8.50	12.50	3.38	3 5/16-12	1.94	1.00	2.25	1 1/2-16 x 0.88	0.38	2.56	5.15	9,699	25.80	17.60
	6.25	C256C	32.20	10.75	17.00	3.38	3 5/16-12	1.94	1.00	2.25	1 1/2-16 x 0.88	0.38	2.56	5.15	9,699	25.80	21.70
	8.25	C258C	42.50	12.75	21.00	3.38	3 5/16-12	1.94	1.00	2.25	1 1/2-16 x 0.88	0.38	2.56	5.15	9,699	25.80	25.60
	10.25	C2510C	52.80	14.75	25.00	3.38	3 5/16-12	1.94	1.00	2.25	1 1/2-16 x 0.88	0.38	2.56	5.15	9,699	25.80	29.30
	12.25	C2512C	63.20	16.75	29.00	3.38	3 5/16-12	1.94	1.00	2.25	1 1/2-16 x 0.88	0.38	2.56	5.15	9,699	25.80	33.10
	14.25	C2514C	73.50	18.75	33.00	3.38	3 5/16-12	1.94	1.00	2.25	1 1/2-16 x 0.88	0.38	2.56	5.15	9,699	25.80	36.80
30	8.25	C308C	53.55	12.80	21.05	4.00	4-12	2.00	1.00	2.50	1 1/2-16 x 0.88	0.38	2.87	6.46	9,243	32.50	36.5
55	2.00	C552C	22.10	6.88	8.88	5.00	5-12	2.19	1.38	3.13	None	0.13	3.75	11.04	9,959	55.20	32.50
	4.25	C554C	46.90	9.13	13.38	5.00	5-12	2.19	1.38	3.13	None	0.13	3.75	11.04	9,959	55.20	41.30
	6.25	C556C	69.00	11.13	17.38	5.00	5-12	2.19	1.38	3.13	None	0.13	3.75	11.04	9,959	55.20	51.00
	10.25	C5510C	113.20	15.13	25.38	5.00	5-12	2.19	1.38	3.13	None	0.13	3.75	11.04	9,959	55.20	67.00
	13.25	C5513C	146.30	18.13	31.38	5.00	5-12	2.19	1.38	3.13	None	0.13	3.75	11.04	9,959	55.20	78.00
75	6.13	C756C	97.40	12.38	18.50	5.75	5 3/4-12	1.75	1.25	3.75	None	0.13	4.50	15.90	9,434	79.50	73.50
	13.13	C7513C	208.70	19.38	32.50	5.75	5 3/4-12	1.75	1.25	3.75	None	0.13	4.50	15.90	9,434	79.50	109.50
100	2.00	C1002C	41.20	8.63	10.63	6.25	6 1/4-12	2.25	1.63	4.13	None	0.13	5.13	20.62	9,695	103.10	63.00
	6.63	C1006C	137.00	13.25	19.88	6.25	6 1/4-12	2.25	1.63	4.13	None	0.13	5.13	20.62	9,695	103.10	91.00
	10.25	C10010C	211.50	16.88	27.13	6.25	6 1/4-12	2.25	1.63	4.13	None	0.13	5.13	20.62	9,695	103.10	113.00

Model Shown:

C55CBT, C2514CBT

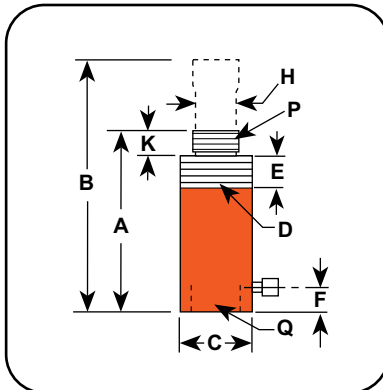
Features
THREADED PISTON ROD END AND BASE THREADS ACCOMMODATE ACCESSORIES AND ADAPTERS.

- Threaded cylinder collars, piston rod ends, and internal base threads simplify mounting.
- A 9796 3/8" NPTF female half coupler is standard with each cylinder. Oil port threads are 3/8" NPTF.
- Removable threaded rod cap.
- Factory accessories are do not de-rate tonnage.
- Complies with ANSI / ASME B30.1 Safety Standards.


Versatility and fixturing capabilities

Analog Gauges


Improve your system visibility and safety by adding an inline hydraulic gauge to your circuit.

9440 (2.5 in.), **9052** (4 in.), and **9089** (6 in.)

Technical Dimensions

Ordering Information

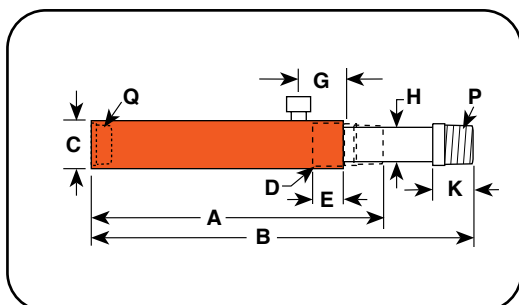
Cyl. Cap.	Stroke	Order No.	Oil Cap.	A	B	C	D	E	F	H	K	P	Q	Bore Dia.	Cylinder Effective Area	Int. Press. at Cap.	Tons at 10,000	Prod. Wt.
(tons)	(in.)		(cu. in.)	Re-tracted Height (in.)	Ex-tended Height (in.)	Outside Dia. (in.)	Collar Thread (in.)	Collar Thread Length (in.)	Base to Port (in.)	Piston Rod Dia. (in.)	Piston Rod Protru-sion (in.)	Piston Rod Thread (NPT)	Internal Base Thread (NPSM) (in.)	(in.)	(sq. in.)	(psi)	(tons)	(lbs.)
5	5.25	C55CBT	5.25	10.50	15.75	1.50	1 1/2-16	1.13	1.88	1.00	1.13	3/4-14	3/4-14	1.13	0.99	10,061	4.97	4.40
10	6.13	C106CBT	13.90	11.50	17.63	2.25	2 1/4-14	1.13	1.69	1.50	1.06	1 1/4-11.5	1 1/4-11.5	1.69	2.24	8,948	11.20	10.30
	10.13	C1010CBT	22.90	15.50	25.63	2.25	2 1/4-14	1.13	1.69	1.50	1.06	1 1/4-11.5	1 1/4-11.5	1.69	2.24	8,948	11.20	13.90
25	6.25	C256CBT	32.20	13.38	19.63	3.38	3 5/16-12	1.94	1.88	2.25	1.88	2-11.5	2-11.5	2.56	5.16	9,699	25.80	24.60
	14.25	C2514CBT	73.50	21.38	35.63	3.38	3 5/16-12	1.94	1.88	2.25	1.88	2-11.5	2-11.5	2.56	5.16	9,699	25.80	40.20

Model Shown:

RP25, RP55



Technical Dimensions



Ordering Information

Cyl. Cap.	Stroke	Order No.	Oil Cap.	A	B	C	D	E	G	H	K	P	Q	Bore Dia.	Cylinder Effective Area	Int. Press. at Cap.	Tons at 10,000	Prod. Wt.
(tons)	(in.)		(cu. in.)	Re-tract-ed Height	Ex-tend-ed Height	Outside Dia.	Collar Thread	Collar Thread Length	Cyl. Top to Port	Piston Rod Dia.	Piston Rod Protru-sion	Piston Rod Thread	Base Thread	(in.)	(sq. in.)	(psi)	(tons)	(lbs.)
2	5.00	RP25	2.76	9.38	14.56	1.75	1 1/2 - 16	1.00	1.69	0.75	1.00	3/4 - 14	3/4 - 14	1.13	0.55	7,250	2.75	4.00
5	5.50	RP55	6.22	11.88	17.38	2.25	2 1/4 - 14	1.00	1.69	1.19	1.38	1 1/4 - 11 1/2	1 1/4 - 11 1/2	1.69	1.13	8,850	5.65	11.00

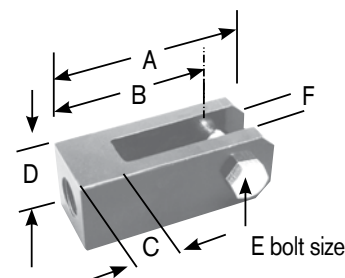
Features

DESIGNED FOR PULLING AND TENSIONING APPLICATIONS.

- Heavy-duty compression spring provides long cycle life and rapid extension of piston.
- Spring automatically extends piston rod when pump pressure is released.
- Complies with ANSI / ASME B30.1 Safety Standards.



Cleviss Ordering Information



Use with Cyl. No.	Order No.	A (in.)	B (in.)	C (in.)	D (in.)	E (in.)	F (in.)
RP25	421057 *	5.13	4.31	1.31	2.00	0.75	1.00
RP55	421056**	6.00	5.00	1.50	2.50	0.88	1.25

* For base mounting, extension rod 351106 is required.

** For base mounting, extension rod 351075 is required.

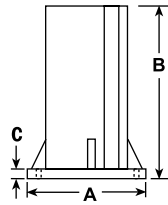


Learn More - About Hydraulic Safety Insight



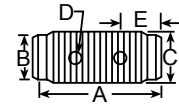
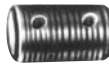
Looking for great safety suggestions? Visit our Resource Section to get a better understanding of hydraulic and mechanical safety insights on what to look for when working around hydraulics.

► **Support Base**



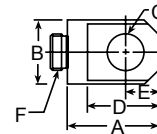
Cylinder Tons	Part No.	A (in.)	B (in.)	C (in.)
10	420062	7	5	7/16
25	420063	7	5	7/16

► **Threaded Connector**



Cylinder Tons	Part No.	A (in.)	B (in.)	C (in.)	D (in.)	E (in.)
5	25748	1.75	0.88 Dia.	3/4 - 14 NPSM	0.19 Dia.	0.50
10	25664	1.63	1.44 Dia.	1 1/4 - 11 1/2 NPSM	0.31 Dia.	0.56
25	25654	2.25	2.13 Dia.	2 - 11 1/2 NPSM	0.38 Dia.	0.63

► **Piston Clevis**

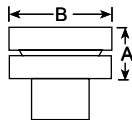


Cylinder Tons	Part No.	A (in.)	B (in.)	C (in.)	D (in.)	E (in.)	F (in.)
5	350095	1.75	1.13	0.63	1.44	0.63	3/4 - 16
10 or 15*	350094	2.56	1.69	1.25	2.31	1.00	1 - 8
25**	420059	2.94	2.25	2.00	2.69	1.25	1 1/2 - 16

* Can be used with RD106, RD1010 Cylinder.

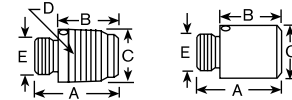
** RD256 & RD2514

► **Swivel Cap**



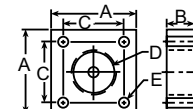
Cylinder Tons	Part No.	A (in.)	B (in.)
10 or 15	350144	0.88	1.38
25	350145	1.13	2.0
55 or 75	350376	1.25	2.81
100	351574	1.91	3.47

► **Threaded & Plain Adapters**



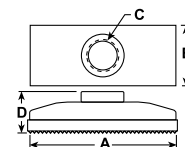
Cylinder Tons	Part No.	A (in.)	B (in.)	C (in.)	D (in.)	E (in.)
5	202178 (threaded)	1.63	1.13	1.06 Dia.	3/4 - 14 NPT	3/4 - 16 UNF-2A
10 or 15*	202179 (threaded)	1.81	1.06	1.63 Dia.	1 1/4 - 11 1/2 NPT	1 - 8 UNC-2A
25	202180 (threaded)	2.75	1.88	2.38 Dia.	2 - 11 1/2 NPT	1 1/2 - 16 UN-2A
10 or 15	350724 (plain)	2.00	1.25	1.48 Dia.	—	1 - 8 UNC-2A
25	350723 (plain)	2.13	1.25	2.25 Dia.	—	1 1/2 - 16 UN-2A

► **Cylinder Mounting Plate**



Cylinder Tons	Part No.	A (in.)	B (in.)	C (in.)	D (in.)	E (in.)
5	350099	3.00	1	2.13	1 1/2 - 16 UN-2B	0.34
10	350100	3.50	1	2.63	2 1/4 - 14 UNS-2B	0.34
15	350184	3.50	1	2.63	2 3/4 - 16 UN-2B	0.34
25	420064	5.00	2	3.97	3 5/16 - 12 UN-2B	0.66

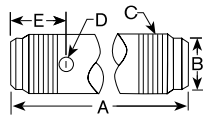
► **Cylinder Flat Base**



Cylinder Tons	Part No.	A (in.)	B (in.)	C (in.)	D (in.)
5	25750	4.50	2.50	3/4 - 14 NPSM	1.34
10 or 15*	32325	.375	3.50	1 1/4 - 11 1/2 NPSM	1.44

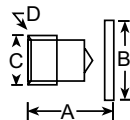
* Items require threaded adapter when used with "C" series cylinders. Can be used on threaded "CBT" cylinders without the use of an adapter.

Extension Rod



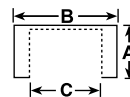
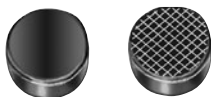
Cylinder Tons	Part No.	A (in.)	B (in.)	C (in.)	D (in.)	E (in.)
5	350895	5	0.88 Dia.	3/4 - 14 NPT	0.33 Dia.	2
5	38908	10	0.88 Dia.	3/4 - 14 NPT	0.33 Dia.	2
5	350896	18	0.88 Dia.	3/4 - 14 NPT	0.33 Dia.	2
10	350897	5	1.44 Dia.	1 1/4 - 11 1/2 NPT	0.33 Dia.	2
10	38909	10	1.44 Dia.	1 1/4 - 11 1/2 NPT	0.33 Dia.	2
10	350898	18	1.44 Dia.	1 1/4 - 11 1/2 NPT	0.33 Dia.	2

Cylinder Base Attachment



Cylinder Tons	Part No.	A (in.)	B (in.)	C (in.)	D (in.)
5	208380	1.63	1.75 Dia.	3/4 - 14 NPSM	0.28 Dia. (2) 1/4 - 20 UNC x 3/4 Lg. Socket Head Cap Screws
10	208381	1.88	2.50 Dia.	1 1/4 - 11 1/2 NPSM	0.34 Dia. (2) 5/16 - 18 UNC x 3/4 Lg. Socket Head Cap Screws
25	208382	2.38	3.38 Dia.	2 - 11 1/2 NPSM	0.53 Dia. (2) 1/2 - 13 UNC x 1 Lg. Socket Head Cap Screws

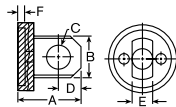
Plain & Serrated Saddles



Cylinder Tons	Part No.	A (in.)	B (in.)	C (in.)
5	25746* (serrated)	1.13	1.31 Dia.	3/4 - 14 NPSM
10 or 15*	31772* (serrated)	1.13	2 Dia.	1 1/4 - 11 1/2 NPSM
25	31776* (serrated)	1.31	3 Dia.	2 - 11 1/2 NPSM
5	351575* (plain)	1.13	1.31 Dia.	3/4 - 14 NPSM
10	24016* (plain)	1.13	2 Dia.	1 1/4 - 11 1/2 NPSM
25	351576* (plain)	1.31	3 Dia.	2 - 11 1/2 NPSM

* Items require threaded adapter when used with "C" series cylinders.
They may be used on threaded "CBT" cylinders without the use of an adapter.

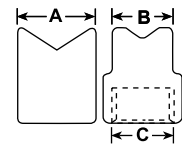
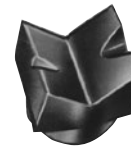
Body Clevis †



Cylinder Tons	Part No.	A (in.)	B (in.)	C (in.)	D (in.)	E (in.)	F (in.)
5	350096	2.06	1.13	0.63	0.63	0.56	0.25
10	350097	3.00	1.69	0.88	1.00	1.00	0.25
15	350098	3.06	1.69	0.88	1.00	1.00	0.25
25	420061	3.56	2.25	1.25	1.25	1.25	0.25

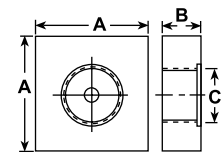
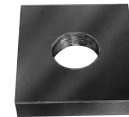
† Mounting screws are included.

90° "V" Base



Cylinder Tons	Part No.	A (in.)	B (in.)	C (in.)
5	25388*	1.38	1.06	3/4 - 14 NPSM
10	25395*	2.13	2.13	1 1/4 - 14 NPSM

Plunger Base

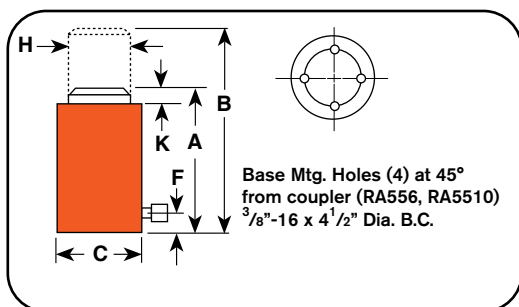


Cylinder Tons	Part No.	A (in.)	B (in.)	C (in.)
25	25652	6	1.25	2 - 11 1/2 NPSM

Model Shown:

RA552, RA1006


Technical Dimensions



Ordering Information

Cyl. Cap.	Stroke	Order No.	Oil Cap.	A	B	C	F	H	K	Bore Dia.	Cylinder Effective Area	Int. Press. at Cap.	Tons at 10,000	Prod. Wt.
(tons)	(in.)		(cu. in.)	Retracted Height (in.)	Extended Height (in.)	Outside Dia. (in.)	Base to Port (in.)	Piston Rod Dia. (in.)	Piston Rod Protrusion (in.)	(in.)	(sq. in.)	(psi)	(tons)	(lbs.)
20	2.13	RA202	9.41	6.38	8.50	3.75	1.25	2.00	0.31	2.38	4.43	9,030	22.15	7.70
	4.13	RA204	18.27	8.38	12.50	3.75	1.25	2.00	0.31	2.38	4.43	9,030	22.15	9.30
	6.13	RA206	27.13	10.38	16.50	3.75	1.25	2.00	0.31	2.38	4.43	9,030	22.15	11.30
30	2.13	RA302	13.79	7.38	9.50	4.25	1.25	2.50	0.38	2.88	6.49	9,250	32.45	11.10
	4.13	RA304	26.77	9.38	13.50	4.25	1.25	2.50	0.38	2.88	6.49	9,250	32.45	13.10
	6.13	RA306	39.75	11.38	17.50	4.25	1.25	2.50	0.38	2.88	6.49	9,250	32.45	15.10
55	2.13	RA552	23.50	6.75	8.88	5.25	1.38	3.13	0.25	3.75	11.04	9,960	55.20	16.20
	4.13	RA554	45.50	8.75	12.88	5.25	1.38	3.13	0.25	3.75	11.04	9,960	55.20	19.60
	6.13	RA556*	67.60	10.75	16.88	5.25	1.38	3.13	0.25	3.75	11.04	9,960	55.20	24.00
	10.00	RA5510*	110.40	15.13	25.13	5.25	1.38	3.13	0.25	3.75	11.04	9,960	55.20	31.80
100	2.13	RA1002	43.80	7.75	9.88	7.38	1.19	4.13	0.13	5.13	20.62	9,696	103.10	33.40
	6.25	RA1006*	129.00	11.75	18.00	7.38	1.19	4.13	0.13	5.13	20.62	9,696	103.10	49.90
	10.25	RA10010*	21.00	15.63	25.8	7.38	1.19	4.13	0.22	5.13	20.62	9,696	103.10	67.00

* Equipped with carrying handles.

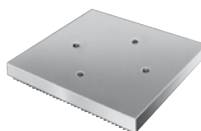
Features

LIGHTWEIGHT DESIGN, EASY TO TRANSPORT AND POSITION.

- Hard coated aluminum piston rod and cylinder bore resist wear and corrosion.
- Grooved piston top helps keep the load from sliding on top of piston.
- Aluminum body resists sparking in explosive environments.
- Complies with ANSI / ASME B30.1 Safety Standards.



Optional Cylinders Bases



Aluminum Cylinder Base – For use when an enlarged cylinder base is needed or advantageous. Attaches to bottom of RA556, RA556L and RA5510 with four 3/8"-16 screws (included). Serrated base for extra stability.

Order No: 208406 – Aluminum cylinder base, 7" square. For use with RA556, RA556L and RA5510 cylinders.



Optional Cylinders Lifting Handles



Order Number: 420496BK2

Lifting handle for RA552, RA554 cylinders

Order Number: 420498BK2

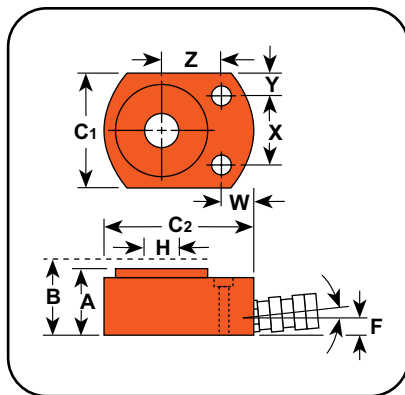
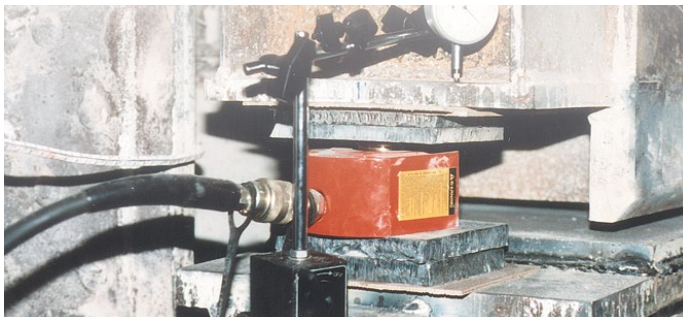
Lifting handle for RA1002, RA10010 cylinders

Model Shown:

RLS100



RLS200 used in this lifting application.



Features

IDEAL LOW CLEARANCE OR TIGHT CONSTRAINT APPLICATIONS REQUIRING HIGH FORCES.

- Low height starting at 1.63" to 4.00".
- Cylinder body, piston and gland nut are "Power-Tech" treated for corrosion and abrasion resistance.
- Standard domed piston rod (5-30 tons) or swivel cap (50-150 tons) minimize effects of off-center loading.
- Unique heavy-duty spring provides fast piston return on all cylinders, except RLS50.
- Coupler is angled upward for extra clearance.
- Complies with ANSI / ASME B30.1 Safety Standards.



RLS1000S (with swivel load cap)



RLS Series ending with an "S" suffix denotes models equipped with a swivel load cap.



Mounting holes for "RLS" cylinders

RLS Series	Description	RLS Series	Description
RLS50	0.34" C'bore x 0.25" deep, 0.22" thru hole	RLS500S	0.70" C'bore x 0.50" deep, 0.47" thru hole
RLS100	0.42" C'bore x 0.34" deep, 0.28" thru hole	RLS750S	0.80" C'bore x 0.56" deep, 0.53" thru hole
RLS200	0.62" C'bore x 0.41" deep, 0.41" thru hole	RLS1000S	0.80" C'bore x 0.56" deep, 0.53" thru hole
RLS300	0.62" C'bore x 0.44" deep, 0.28" thru hole	RLS1500S	0.81" C'bore x 0.56" deep, 0.53" thru hole

Ordering Information

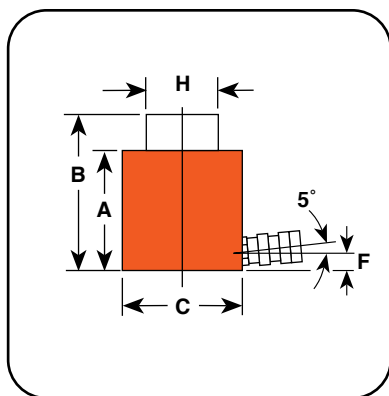
Cyl. Cap.	Stroke	Order No.	Oil Cap.	A	B	C1	C2	F	H	W	X	Y	Z	Bore Dia.	Cylinder Effective Area	Int. Press. at Cap.	Tons at 10,000	Prod. Wt.
(tons)	(in.)		(cu. in.)	Retracted Height (in.)	Extended Height (in.)	Outside Dia. (in.)	(in.)	Base to Port (in.)	Piston Rod Dia. (in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(sq. in.)	(psi)	(tons)	(lbs.)
5	0.56	RLS50	0.62	1.63	2.19	1.63	2.56	0.75	0.63	0.75	1.13	0.25	1.00	1.13	0.994	10,061	4.97	2.20
10	0.44	RLS100	1.00	1.75	2.19	2.19	3.25	0.63	0.75	0.69	1.44	0.38	1.31	1.69	2.236	8,943	11.18	3.30
20	0.44	RLS200	2.00	2.00	2.44	3.00	4.00	0.66	1.13	0.72	1.94	0.53	1.56	2.38	4.430	9,029	22.15	5.60
30	0.50	RLS300	3.20	2.31	2.81	3.75	4.50	0.72	1.38	0.81	2.06	0.84	1.75	2.88	6.492	9,242	32.46	8.60
50	0.63	RLS500S	6.00	2.63	3.25	4.50	5.50	0.84	1.75	0.94	2.63	0.94	2.13	3.50	9.621	10,394	48.10	14.00
75	0.63	RLS750S	9.90	3.13	3.75	5.53	6.50	1.00	2.13	0.94	3.00	1.27	2.59	4.50	15.904	9,431	79.52	23.30
100	0.63	RLS1000S	12.30	3.38	4.00	6.00	7.00	1.00	2.50	0.81	3.00	1.50	2.81	5.00	19.635	10,186	98.17	30.00
150	0.56	RLS1500S	17.20	4.00	4.56	7.50	8.50	1.31	3.00	1.31	4.63	1.44	3.13	6.25	30.680	9,778	153.39	52.00

Model Shown:

RSS2503, RSS302



Technical Dimensions



RSS302 is perfect for any bridge construction application.



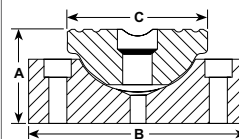
Features

IDEAL FOR CONFINED AREAS WITH 3 1/2" TO 11 7/16" CLEARANCE.

- "Power-Tech" nitro-carburization surface treatment inhibits corrosion and provides exceptional durability for the rod and piston.
- Heavy-duty return spring (except for double-acting models) provides fast piston return & low collapsed height.
- Coupler on 10 - 50 ton models is angled upward 5° for added clearance.
- Grooved piston top keeps load from sliding.
- Cylinders can be "dead-ended" at full capacity.
- Removable carrying handles on 100 and 250 ton models.
- Complies with ANSI / ASME B30.1 Safety Standards.



Optional Swivel Load Caps Ordering Info



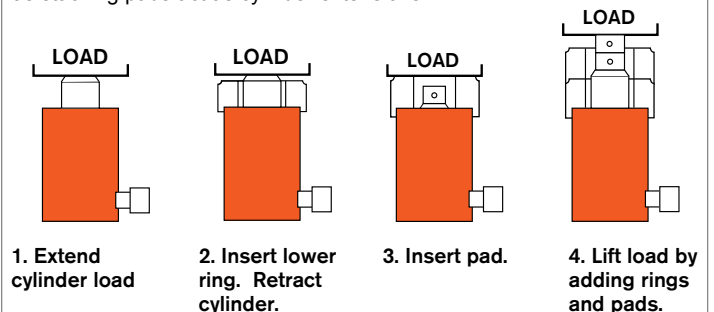
Reduce the effects of off-center loading. Tilts up to 5 degrees. Radial grooves on top of cap reduce load slippage. Notch across face of each cap helps keep loads having a protruding or round shaped centered.

Use with Cyl. No.	Swivel Cap Order No.	Wt. (lbs.)	A (in.)	B (in.)	C (in.)
RSS101	350320	0.5	1.00	1.44	1.44
RSS202	350321	1.3	1.38	2.13	2.13
RSS302	350322	1.6	1.38	2.50	2.13
RSS502	350331	2.7	1.44	3.25	2.13
RSS1002	350332	6.6	1.81	4.38	3.13



Cribbing Block Operation

Convert Power Team "Shorty" cylinders to mechanical cribbing devices. They are more stable and safe than timber or other awkward, makeshift methods. Ideal for lifting applications such as structure moving. Reduces cribbing time dramatically. In effect, increases the stroke of the cylinder as stacking pads act as cylinder extensions:



Ordering Information

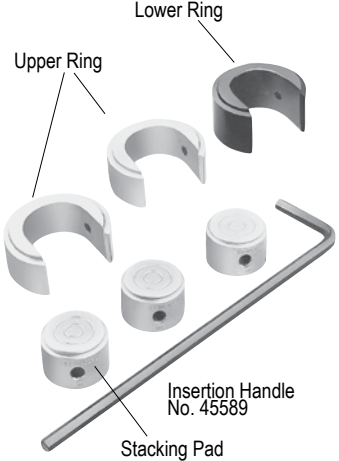
Cyl. Cap.	Stroke	Order No.	Oil Cap.		A	B	C	F	H	Bore Dia.	Cylinder Effective Area	Int. Press. at Cap.	Tons at 10,000	Prod. Wt .
					Retracted Height	Extended Height	Outside Dia.	Base to Port	Piston Rod Dia.					
			(tons)	(in.)	(cu. in.)	(in.)	(in.)	(in.)	(in.)					
			Push	Return							Push	Push	Push	
10	1.50	RSS101	3.40	—	3.50	5.00	2.75	0.63	1.50	1.69	2.24	8,943	11.20	6.00
20	1.75	RSS202	7.70	—	3.75	5.50	3.56	0.63	2.16	2.38	4.43	9,029	22.10	9.90
30	2.44	RSS302	15.80	—	4.63	7.06	4.00	0.63	2.50	2.88	6.49	9,243	32.50	14.70
50	2.38	RSS502	22.80	—	5.00	7.38	4.88	0.75	3.13	3.50	9.62	10,393	48.10	23.20
100	2.25	RSS1002	44.20	—	5.50	7.75	6.63	0.94	4.38	5.00	19.63	10,186	98.20	47.30
100	1.50	RSS1002D*	29.40	12.90	5.69	7.19	6.88	0.94	3.75	5.00	19.63	10,186	98.20	54.60
250	3.00	RSS2503	150.60	—	11.44	14.44	9.88	1.81	5.50	8.00	50.22	9,956	251.10	220.00

* Note: RSS1002D is double-acting.



Optional Cylinders Cribbing Blocks

Cribbing blocks are shown on a 30 ton RSS302 "Shorty" cylinder. Each kit includes:

The Insertion tool (45589) is used for keeping hand from load.

Cribbing Block Ordering Information

For Use With		30 Ton Cylinder Number RSS302			50 Ton Cylinder Number RSS502			100 Ton Cylinder Number RSS1002		
Order No.		30 Ton Set Number CB30			50 Ton Set Number CB50			100 Ton Set Number CB100		
		Lower Ring	Upper Ring	Stacking Pad	Lower Ring	Upper Ring	Stacking Pad	Lower Ring	Upper Ring	Stacking Pad
Number included in set		1	2	3	1	2	3	1	3	4
Outside Diameter	(in.)	4.50	4.50	2.75	5.50	5.50	3.38	7.39	7.39	4.75
Inside Diameter	(in.)	2.81	2.81	—	3.45	3.45	—	4.81	4.81	—
Height, each	(in.)	2.28	1.80	1.78	2.22	1.72	1.69	2.13	1.75	1.72
Total stacked height of Rings in Set	(in.)	5.88			5.66			7.38		
Weight of Set	(lbs.)	20			28			64		

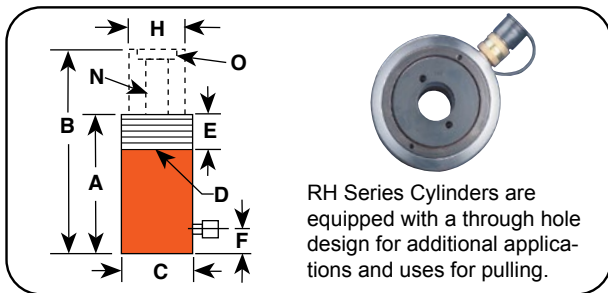
Note: Each set includes one Insertion Handle 45589 - 0.5" Hex x 18" Long, 4" Bend

Model Shown:

RH203, RH503



Technical Dimensions



Ordering Information

Cyl. Cap.	Stroke	Order No.	Oil Cap.	A	B	C	D	E	F	H	N	O	Mounting Holes and Bolt Circle	Cylinder Effective Area	Int. Press. at Cap.	Tons at 10,000	Prod. Wt.
(tons)	(in.)		(cu. in.)	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.)	Center Hole Dia. (in.)	Insert Thread Size (in.)	(in.)	(sq. in.)	(psi)	(tons)	(lbs.)
10	2.50	RH102	5.52	5.31	7.81	3.00	-	-	1.00	2.06	0.77	1 3/4 - 12	1/4-20 x 2 3/8	2.21	9,054	11.00	9.00
	8.00	RH108	17.68	11.31	19.31	3.00	-	-	1.00	2.06	0.77	1 3/4 - 12	1/4-20 x 2 3/8	2.21	9,054	11.00	18.70
12	0.31	RH120**	0.87	2.19	2.50	2.75	2 3/4 - 16	1.25	0.38	1.38	0.80	3/4 - 16	5/16-18 x 2	2.76	8,692	13.80	3.00
	1.63	RH121	4.49	4.81	6.44	2.75	2 3/4 - 16	1.25	1.00	1.38	0.80	-	-	2.76	8,692	13.80	6.60
	1.63	RH121T*	4.49	4.81	6.44	2.75	2 3/4 - 16	1.25	1.00	1.38	0.81	3/4 - 16	-	2.76	8,692	13.80	6.60
	3.00	RH123	8.29	7.25	10.25	2.75	2 3/4 - 16	0.81	1.00	1.38	0.81	-	-	2.76	8,692	13.80	8.90
	2.00	RH202	9.45	6.13	8.13	3.88	3 7/8 - 12	1.50	1.00	2.13	1.08	1 9/16 - 16	3/8-16 x 3 1/4	4.72	8,466	23.60	16.10
20	3.00	RH203	11.76	6.06	9.06	4.00	-	-	1.00	2.75	1.05	2 1/4 - 12	3/8-16 x 3 1/4	3.92	10,186	19.60	20.00
	6.00	RH206	28.35	12.13	18.13	3.88	3 7/8 - 12	1.50	1.00	2.13	1.08	1 9/16 - 16	3/8-16 x 3 1/4	4.72	8,466	23.60	30.20
30	2.50	RH302	15.85	6.25	8.75	4.75	4 3/4 - 12	1.50	1.16	3.25	1.30	2 3/4 - 12	7/16-20 x 3 5/8	6.34	9,457	31.70	25.60
	5.88	RHA306	38.10	11.16	17.03	5.13	-	-	1.25	3.25	1.28	2 5/8 - 8	-	6.34	9,457	31.70	21.90
	6.00	RH306	38.10	9.75	15.75	4.75	4 3/4 - 12	1.50	1.16	3.25	1.28	2 3/4 - 12	7/16-20 x 3 5/8	6.34	9,457	31.70	39.00
50	3.00	RH503	32.58	7.13	10.13	6.00	6 - 12	2.00	1.25	4.13	1.67	3 1/4 - 12	5/8-18 x 4 3/4	10.86	9,208	54.30	46.60
60	3.00	RH603*	37.00	9.25	12.25	6.25	6 1/4 - 12	2.50	1.00	3.59	2.13	3 - 12	1/2-13 x 5 1/8	12.31	9,750	61.60	60.00
60	6.00	RH606*	73.86	12.25	18.25	6.25	6 1/4 - 12	2.50	1.00	3.59	2.13	3 - 12	1/2-13 x 5 1/8	12.31	9,750	61.60	78.00
100	3.00	RH1003*	61.80	10.00	13.00	8.38	-	-	1.25	5.00	3.13	4 1/8 - 12	-	20.62	9,700	103.10	115.00

* Supplied with carrying handles.

Aluminum

** RH120 and RH121T do not have an internal threaded insert, but do have a 3/4-16 internal thread. The RH120 inlet port is 1/4" NPTF.

>Features

IDEAL FOR CABLE PULLING AND TENSIONING, ANCHOR BOLTS, FORCING SCREWS, ETC.

- Cylinder body, piston and gland nut "Power-Tech" treated for corrosion and abrasion resistance.
- Most models feature threaded collar, excludes the RH203 and RHA306 models.
- All cylinders are furnished with a 9796 3/8" NPT female half coupler, except the RH120.
- Aluminum cylinder body and piston are featured on the RHA306 cylinder.
- Complies with ANSI / ASME B30.1 Safety Standards.



Optional Piston Head Inserts



For Use With:	Threaded Insert	Order No.
RH102, RH108	3/4"-16	28632
RH203	1"-8	28612
RH302, RH306	1 1/4"-7	38904
RH303	1 1/4"-7	28644
RH503	1 5/8"-51/2	38855
RH603, RH605	1 5/8"-51/2	34251



Optional Cylinders Lifting Handles



Order Number: 252215

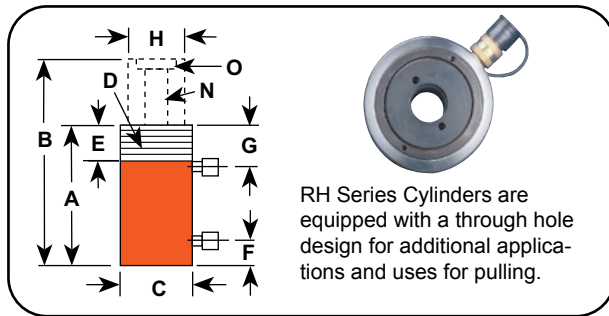
Lifting handle for RH303, RH306, AND RH306D, AND RHA306

Model Shown:

RH605



Technical Dimensions



Ordering Information

Cyl. Cap.		Stroke	Order No.	Oil Cap.		A	B	C	D	E	F	G	H	N	O	Mounting Holes and Bolt Circle	Cylinder Effective Area		Int. Press. at Cap.	Tons at 10,000		Prod. Wt.	
						Retract- ed Height	Ex- tended Height	Outside Dia.	Collar Thread	Collar Thread Length	Base to Port	Cyl. Top to Port	Piston Rod Dia.	Center Hole Dia.	Insert Thread Size								
(tons)		(in.)		(cu. in.)		(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(sq. in.)	(psi)	(tons)		(lbs.)	
Push	Pull			Push	Pull													Push	Pull	Push	Pull		
30	15	3.00	RH303	17.60	10.20	7.06	10.06	4.75	-	-	1.00	1.63	2.50	1.28	2 - 12	3/8-16 x 3 5/8	5.89	3.38	10,200	8,876	29.50	16.90	29.80
30	15	6.00	RH306D	35.34	20.28	11.06	17.06	4.75	-	-	1.00	1.63	2.50	1.27	2 - 12	7/16-20 x 3 5/8	5.89	3.38	10,200	8,876	29.50	16.90	45.00
30	20	10.13	RH3010	66.00	41.00	17.25	27.38	4.50	4 1/2 -12	1.63	1.75	3.19	2.38	1.31	1 7/8 - 16	-	6.54	4.04	9,174	9,901	32.70	20.20	61.00
60	25	4.00	RHA604D	49.20	20.60	9.50	13.50	7.00	-	-	1.56	2.25	4.00	2.13	3 - 12	1/2-13 x 5 1/8	12.31	5.15	9,750	9,709	61.50	27.70	35.60
60	25	5.00	RH605*	61.55	25.77	9.50	14.50	6.53	-	-	1.00	1.75	4.00	2.13	3 - 12	1/2-13 x 5 1/8	12.31	5.15	9,750	9,709	61.50	27.70	73.00
60	40	10.13	RH6010*	133.00	87.00	18.06	28.19	6.25	6 1/4 -12	1.88	2.13	3.22	3.63	2.13	3 - 16	-	13.14	8.59	9,132	9,313	65.70	42.90	120.00
100	45	1.50	RH1001	32.10	14.20	6.50	8.00	8.38	-	-	1.25	2.31	5.00	3.14	4 - 16	5/8-11 x 7	21.39	9.43	9,350	9,544	106.90	47.10	85.00
100	50	6.00	RH1006*	120.20	65.60	12.38	18.38	7.25	-	-	1.47	2.33	4.38	2.06	-	1/2-13 x 5 1/2	20.03	10.93	9,986	9,150	100.10	54.70	95.00
100	45	10.13	RH10010*	216.60	95.50	19.50	29.63	8.50	8 1/2 -12	2.25	2.50	3.61	5.50	3.14	4 1/2 - 12	-	21.39	9.43	9,350	9,544	106.90	47.10	240.00
150	70	5.00	RH1505*	150.90	73.60	12.25	17.25	8.50	-	-	1.47	2.69	5.50	2.56	-	-	30.10	14.70	9,937	9,524	150.90	73.60	148.00
150	75	8.00	RH1508*	239.60	127.20	13.75	21.75	9.75	-	-	1.55	2.41	6.00	3.16	5 - 12	-	29.95	15.90	10,015	9,434	149.80	79.50	227.00
200	75	8.00	RH2008*	323.60	127.60	16.06	24.06	10.75	-	-	2.25	3.22	7.50	4.06	6 - 12	1 1/4-7 x 7 3/4	40.45	15.95	9,888	9,404	202.30	79.80	311.00

* Supplied with carrying handles.

Aluminum

† Measured with serrated load cap installed.

Features

FOR PULLING AND TENSIONING OF CABLES, ANCHOR BOLTS, AND FORCING SCREWS.

- Plated piston rod resists wear and superior packings provide high cycle life without leakage.
- Built-in safety feature prevents over-pressurization of the retraction circuit.
- Corrosion-resistant standpipe has "Power-Tech" treatment.
- 30, 60, 100 Ton Double-Acting Models Feature Threaded Collar.
- Aluminum cylinder body and piston are featured on the RHA604D cylinder.
- Each cylinder has 9796 3/8" NPTF female half couplers. The 60 ton through 200 ton steel models are equipped with removable carrying handles.



Optional Piston Head Inserts



For Use With:	Threaded Insert	Order No.
RH102, RH108	3/4"-16	28632
RH203	1"-8	28612
RH302, RH306	1 1/4"-7	38904
RH303	1 1/4"-7	28644
RH503	1 5/8"-51/2	38855
RH603, RH605	1 5/8"-51/2	34251



Optional Cylinders Lifting Handles



Order Number: 4213120R9

Lifting handle for RH303 and RH306D

Model Shown:

RT302, RT1004



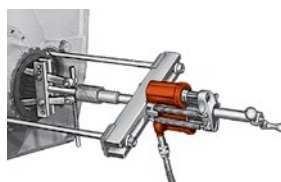
>Features

IDEAL FOR PULLING AND PRESSING APPLICATION, REQUIRING HIGHER FORCES.

- Cylinders withstand full “dead-end” loads.
- Compact design is ideal for applications in which space is limited.
- Basic head can be changed from a tapped hole to plain hole by simply changing the insert.
- Pistons have “Power-Tech” treatment for corrosion and abrasion resistance.
- Complies with ANSI / ASME B30.1 Safety Standards.



Center Hole Design Cylinders



RT Series pullers are equipped with a through hole design for additional applications and uses for pulling requiring high force.



Optional Plain Head Cylinder Inserts



Switch from a tapped hole to a plain hole quickly with these cylinder head inserts. They are held in place with a socket screw. Plain hole permits use of a speed nut for re-adjusting cylinder after extension.

For Use With:	Threaded Order No.	Plain Order No.
RT172	21669	21714
RT302	21873	21872
RT503	22274	22275
RT1004	24197	24196

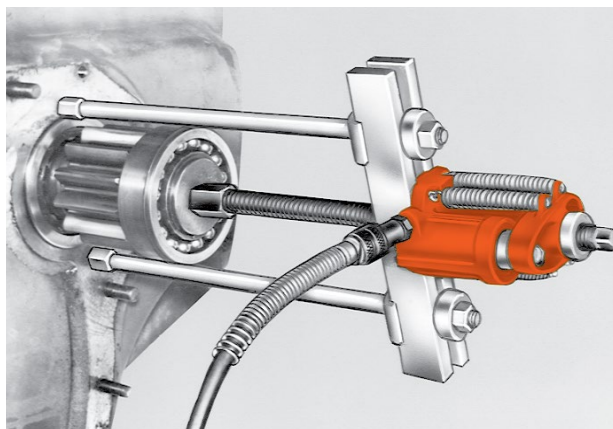


Learn More - About Hydraulic Safety Insight



Looking for great safety suggestions? Visit our Resource Section to get a better understanding of hydraulic and mechanical safety insights on what to look for when working around hydraulics.

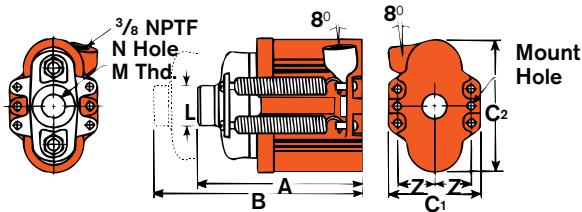
▶ RT Series center hole cylinder is versatile for strand or pull applications



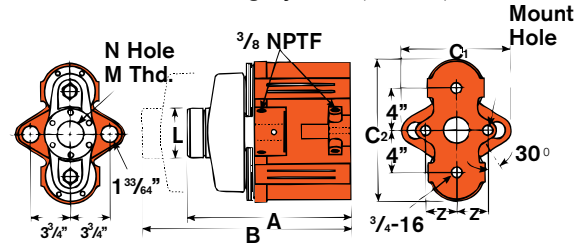
Technical Dimensions, Base Mounting Holes

Dimensions for reference only.

Single-Acting, Spring Return Cylinders



Double-Acting Cylinder (RT1004)



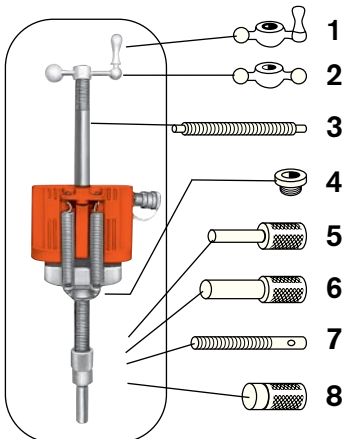
Ordering Information

Cyl. Cap.	Stroke	Order No.	Oil Cap.		A	B	C1	C2	L	M	N	Z	Mount Hole	Cylinder Effective Area	Int. Press. at Cap.	Tons at 10,000	Prod. Wt .
					Retract- ed Height	Extend- ed Height	Outside Dia.		Load Cap Dia.	Load Cap Thread	Center Hole Dia.	Mount Hole Location					
(tons)	(in.)		(cu. in.)		(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(sq. in.)	(psi)	(tons)	(lbs.)
			Push	Return										Push	Push	Push	
17.5	2.00	RT172	7.06	—	6.88	8.88	3.75	5.75	1.75	1" - 8	1.03	1.50	11/32	3.53	9,915	17.70	14.60
30	2.50	RT302	15.70	—	8.44	10.94	4.25	7.50	2.25	1 1/4" - 7	1.30	1.81	15/32	6.28	9,554	31.40	28.20
50	3.00	RT503	29.40	—	10.56	13.56	5.88	9.38	2.88	1 5/8" - 5 1/2	1.67	2.38	21/32	9.81	10,193	49.10	56.00
100	4.88	RT1004*	96.50	63.20	15.13	20.00	10.50	12.25	4.75	2 1/2" - 8	2.56	2.88	25/32	19.24	10,395	96.20	160.00

* The RT1004 has a bypass when full stroke is reached, preventing over-pressurization of the cylinder.

NOTE: Each cylinder complete with threaded cylinder head insert, cylinder half coupler and cylinder attaching screws.

Accessories Ordering Information



Use with Cylinder Number	Number	RT172, RH203	RT302, RH302, RH303, RH306	RT503, RH503, RH603, RH605, RH606	RT1004
Order Set		RHA20	RHA30	RHA50	RHA100
Speed Crank	1	24814	27198	29595	303785
Speed Nut	2	302482 1"-8 thread	302483 1 1/4"-7 thread	33439 1 5/8"-5 1/2 thread	34136 2 1/2"-8 thread
Adjusting Screw	3	32118 1"-8 thd. 20" lg.	34758 1 1/4"-7 thd. 24" lg.	32698 1 5/8"-5 1/2 thd. 30" lg.	32699 2 1/2"-8 thd 34.25" lg.
Threaded Insert	4	Threaded insert supplied with RT series cylinders. Order threaded insert for RH series cylinders with the accessory set.			
Pushing Adapter	5	201923 1"-8 thread 0.5" diameter shank	34510 1 1/4"-7 thread 0.75" diameter shank	34755 1 5/8"-5 1/2 thread 1" diameter shank	—
Pushing Adapter	6	201454 1"-8 thread 0.75" diameter shank	34511 1 1/4"-7 thread 1" diameter. shank	34756 1 5/8"-5 1/2 thread 1.25" diameter shank	—
Jack Screw	7	24813 1"-8 thd. 7" lg.	25931 1 1/4"-7 thd. 9" lg.	32701 1 5/8"-5 1/2 thd. 11" lg.	32702 2 1/2"-8 thd. 16" lg.
Screw Cap	8	28228 1"-8 thd. 1.5" dia.	28229 1 1/4"-7 thd 1.75" dia.	28230 1 5/8"-5 1/2 thd, 2.25" dia.	—

Model Shown:
RGG Family



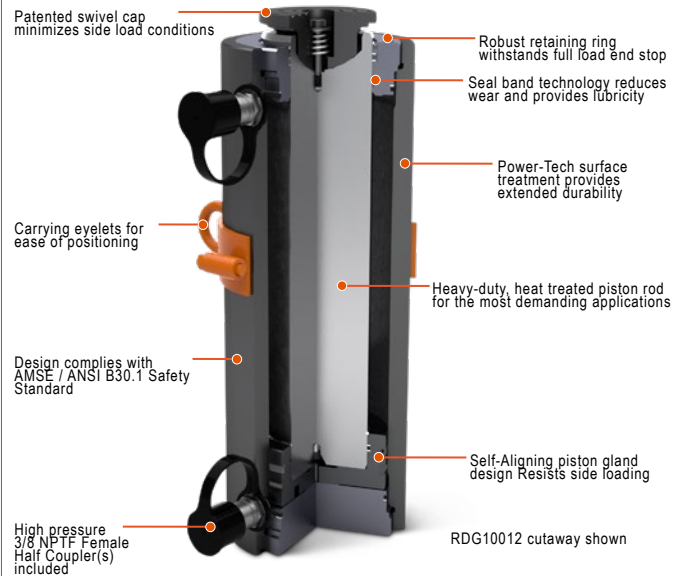
Features

HEAVY LIFT, GENERAL PURPOSE CYLINDER FOR MAINTENANCE APPLICATIONS.

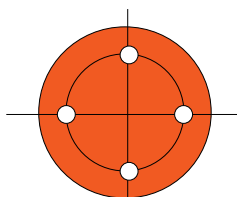
- Single-Acting, load return hydraulic cylinders, tonnages ranging from 55 - 200.
- Patented swivel cap provides concentrated load centering up to 5 degrees.
- Sealing technology provides rod lubrication to reduce friction and wear.
- Floating piston design resists side loading conditions.
- "Power-Tech" nitro-carburization surface treatment inhibits corrosion and provides exceptional durability
- Base mounting holes standard on all models (they are not maintained to port location).
- One high flow 3/8" NPTF female half coupler and removable carry strap w/ eyelets are included.
- Complies with ANSI / ASME B30.1 Safety Standards.



RGG Series Design Features



Technical Dimensions, Base Mounting Holes



Four base mounting holes are 45° apart - standard on all models.

Tonnage	55	75	100	150	200
# of Base Mounting Holes	4	4	4	4	4
Base thread size	M12X1.75 - 6H	M12X1.75 - 6H	M16X1.5 - 6H	M16X1.5 - 6H	M20X1.5 - 6H
Base thread depth (in)	0.709	0.709	0.62	0.9	1.2
Base Mounting Diameter (in.)	3.03	3.66	4.00	5.12	5.72
Orientation	Mounting hole orientation is not maintained to port location.				

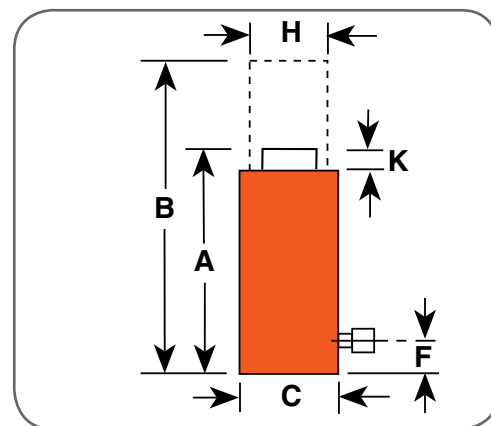


Cylinder Selection



Power Team recommends using 80% of the rated capacity and stroke to maximize product performance and safety.

Custom stroke lengths are available, contact your local Power Team Sales Office for details and availability.



Ordering Information

Cyl. Cap.	Stroke	Order No.	A	B	C	F	H	K	Swivel Cap Dia.	Bore Dia.	Cyl. Eff. Area (Advance)	Oil Cap.	Int. Press. at Cap.	Tons at 10,000 PSI	Prod. Wt.
(tons)	(in.)		Ret. Height (in.)	Ext. Height (in.)	Out. Dia. (in.)	Base to Port (in.)	Piston Rod Dia. (in.)	Swivel Cap Protrusion (in.)	(in.)	(in.)	(sq. in.)	(cu. in.)	(psi)	(tons)	(lbs.)
55	2	RGG552	7.84	9.84	5.16	1.61	2.75	0.67	2.78	3.75	11.04	22.09	9959	55.22	38.90
	4	RGG554	9.84	13.84	5.16	1.61	2.75	0.67	2.78	3.75	11.04	44.18	9959	55.22	47.80
	6	RGG556	11.84	17.84	5.16	1.61	2.75	0.67	2.78	3.75	11.04	66.27	9959	55.22	59.70
	8	RGG558	13.84	21.84	5.16	1.61	2.75	0.67	2.78	3.75	11.04	88.36	9959	55.22	68.70
	10	RGG5510	15.84	25.84	5.16	1.61	2.75	0.67	2.78	3.75	11.04	110.45	9959	55.22	77.70
	12	RGG5512	17.84	29.84	5.16	1.61	2.75	0.67	2.78	3.75	11.04	132.54	9959	55.22	86.60
	13	RGG5513	18.84	31.84	5.16	1.61	2.75	0.67	2.78	3.75	11.04	143.58	9959	55.22	91.10
75	14	RGG5514	19.84	33.84	5.16	1.61	2.75	0.67	2.78	3.75	11.04	154.63	9959	55.22	95.60
	2	RGG752	8.31	10.31	5.78	1.76	3.12	0.76	3.24	4.38	15.03	30.06	9979	75.16	51.60
	4	RGG754	10.31	14.31	5.78	1.76	3.12	0.76	3.24	4.38	15.03	60.13	9979	75.16	67.10
	6	RGG756	12.31	18.31	5.78	1.76	3.12	0.76	3.24	4.38	15.03	90.19	9979	75.16	77.80
	8	RGG758	14.31	22.31	5.78	1.76	3.12	0.76	3.24	4.38	15.03	120.26	9979	75.16	88.50
	10	RGG7510	16.31	26.31	5.78	1.76	3.12	0.76	3.24	4.38	15.03	150.32	9979	75.16	99.30
	12	RGG7512	18.31	30.31	5.78	1.76	3.12	0.76	3.24	4.38	15.03	180.39	9979	75.16	110.00
100	13	RGG7513	19.31	32.31	5.78	1.76	3.12	0.76	3.24	4.38	15.03	195.42	9979	75.16	115.30
	14	RGG7514	20.31	34.31	5.78	1.76	3.12	0.76	3.24	4.38	15.03	210.45	9979	75.16	120.70
	2	RGG1002	8.70	10.70	6.53	1.85	3.75	0.92	3.87	5.13	20.63	41.27	9692	103.17	70.90
	4	RGG1004	10.70	14.70	6.53	1.85	3.75	0.92	3.87	5.13	20.63	82.54	9692	103.17	84.50
	6	RGG1006	12.70	18.70	6.53	1.85	3.75	0.92	3.87	5.13	20.63	123.81	9692	103.17	98.00
	8	RGG1008	14.70	22.70	6.53	1.85	3.75	0.92	3.87	5.13	20.63	165.08	9692	103.17	111.50
	10	RGG10010	16.70	26.70	6.53	1.85	3.75	0.92	3.87	5.13	20.63	206.35	9692	103.17	125.00
150	12	RGG10012	18.70	30.70	6.53	1.85	3.75	0.92	3.87	5.13	20.63	247.62	9692	103.17	138.50
	13	RGG10013	19.70	32.70	6.53	1.85	3.75	0.92	3.87	5.13	20.63	268.25	9692	103.17	145.30
	14	RGG10014	20.70	34.70	6.53	1.85	3.75	0.92	3.87	5.13	20.63	288.88	9692	103.17	152.10
	2	RGG1502	9.37	11.37	7.70	2.11	4.50	0.95	4.63	6.25	30.68	61.37	9777	153.42	102.90
	4	RGG1504	11.37	15.37	7.70	2.11	4.50	0.95	4.63	6.25	30.68	122.73	9777	153.42	120.90
	6	RGG1506	13.37	19.37	7.70	2.11	4.50	0.95	4.63	6.25	30.68	184.10	9777	153.42	138.90
	8	RGG1508	15.37	23.37	7.70	2.11	4.50	0.95	4.63	6.25	30.68	245.47	9777	153.42	156.90
200	10	RGG15010	17.37	27.37	7.70	2.11	4.50	0.95	4.63	6.25	30.68	306.84	9777	153.42	174.90
	12	RGG15012	19.37	31.37	7.70	2.11	4.50	0.95	4.63	6.25	30.68	368.20	9777	153.42	192.90
	13	RGG15013	20.37	33.37	7.70	2.11	4.50	0.95	4.63	6.25	30.68	398.89	9777	153.42	201.90
	14	RGG15014	21.37	35.37	7.70	2.11	4.50	0.95	4.63	6.25	30.68	429.57	9777	153.42	210.90
	2	RGG2002	10.04	12.04	8.93	2.25	5.25	1.06	5.37	7.25	41.28	82.57	9689	206.42	148.50
	4	RGG2004	12.04	16.04	8.93	2.25	5.25	1.06	5.37	7.25	41.28	165.14	9689	206.42	172.90
	6	RGG2006	14.04	20.04	8.93	2.25	5.25	1.06	5.37	7.25	41.28	247.71	9689	206.42	197.20
200	8	RGG2008	16.04	24.04	8.93	2.25	5.25	1.06	5.37	7.25	41.28	330.27	9689	206.42	221.60
	10	RGG20010	18.04	28.04	8.93	2.25	5.25	1.06	5.37	7.25	41.28	412.84	9689	206.42	246.00
	12	RGG20012	20.04	32.04	8.93	2.25	5.25	1.06	5.37	7.25	41.28	495.41	9689	206.42	270.30
	13	RGG20013	21.04	34.04	8.93	2.25	5.25	1.06	5.37	7.25	41.28	536.70	9689	206.42	282.50
	14	RGG20014	22.04	36.04	8.93	2.25	5.25	1.06	5.37	7.25	41.28	577.98	9689	206.42	294.70

Model Shown:
RGG Family



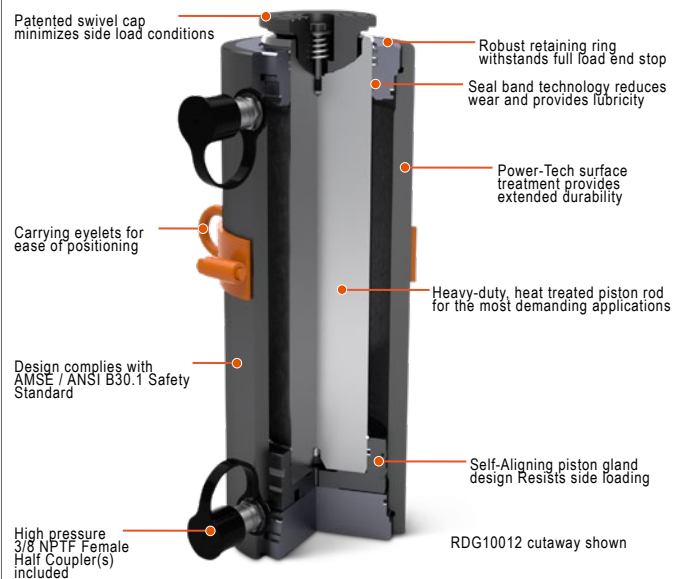
Features

HEAVY LIFT, GENERAL PURPOSE CYLINDER FOR TOUGH MAINTENANCE APPLICATIONS.

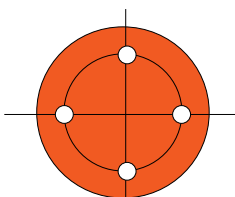
- Single-Acting, load return hydraulic cylinders, tonnages ranging from 250 - 600.
- Patented swivel cap provides concentrated load centering up to 5 degrees
- Sealing technology provides lubrication to reduce friction and wear.
- Floating piston design resists side loading conditions.
- "Power-Tech" nitro-carburization surface treatment inhibits corrosion and provides exceptional durability.
- Base mounting holes standard on all models (they are not maintained to port location).
- One high flow 3/8" NPTF female half coupler and removable carry strap w/ eyelets are included.
- Complies with ANSI / ASME B30.1 Safety Standards.



RGG Series Design Features



Technical Dimensions, Base Mounting Holes



Four base mounting holes are 45° apart - standard on all models.

Tonnage	250	300	400	500	600
# of Base Mounting Holes	4	4	4	4	4
Base thread size	M24X3.0 - 6H	M24X3.0 - 6H	M30X3.5 - 6H	M30X3.5 - 6H	M33X2.0 - 6H
Base thread depth (in.)	1.457	1.457	1.8	1.5	1.95
Base Mounting Diameter (in.)	6.06	7.06	7.65	8.95	9.65
Orientation	Mounting hole orientation is not maintained to port location.				

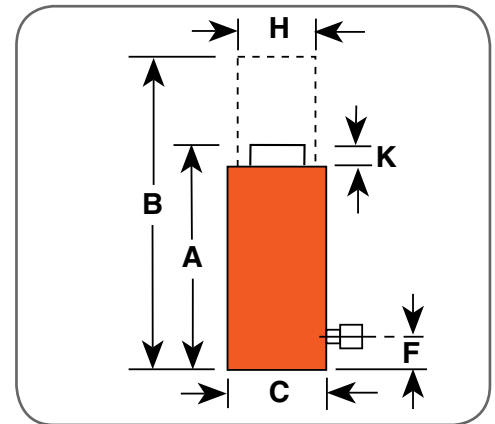


Cylinder Selection



Power Team recommends using 80% of the rated capacity and stroke to maximize product performance and safety.

Custom stroke lengths are available, contact your local Power Team Sales Office for details and availability.



Ordering Information

Cyl. Cap.	Stroke	Order No.	A	B	C	F	H	K	Swivel Cap Dia.	Bore Dia.	Cyl. Eff. Area (Advance)	Oil Cap.	Int. Press. at Cap.	Tons at 10,000 PSI	Prod. Wt.
(tons)	(in.)		Ret. Height (in.)	Ext. Height (in.)	Out. Dia. (in.)	Base to Port (in.)	Piston Rod Dia. (in.)	Swivel Cap Protrusion (in.)	(in.)	(in.)	(sq. in.)	(cu. in.)	(psi)	(tons)	(lbs.)
250	2	RGG2502	10.30	12.30	9.85	2.35	6.00	1.12	5.56	8.00	50.27	100.53	9947	251.33	192.10
	4	RGG2504	12.30	16.30	9.85	2.35	6.00	1.12	5.56	8.00	50.27	201.06	9947	251.33	222.90
	6	RGG2506	14.30	20.30	9.85	2.35	6.00	1.12	5.56	8.00	50.27	301.59	9947	251.33	253.60
	8	RGG2508	16.30	24.30	9.85	2.35	6.00	1.12	5.56	8.00	50.27	402.12	9947	251.33	284.30
	10	RGG25010	18.30	28.30	9.85	2.35	6.00	1.12	5.56	8.00	50.27	502.65	9947	251.33	315.00
	12	RGG25012	20.30	32.30	9.85	2.35	6.00	1.12	5.56	8.00	50.27	603.18	9947	251.33	345.70
	13	RGG25013	21.30	34.30	9.85	2.35	6.00	1.12	5.56	8.00	50.27	653.45	9947	251.33	361.10
	14	RGG25014	22.30	36.30	9.85	2.35	6.00	1.12	5.56	8.00	50.27	703.71	9947	251.33	376.50
300	2	RGG3002	10.74	12.74	11.08	2.48	6.50	1.28	6.66	9.00	63.61	127.23	9432	318.07	251.20
	4	RGG3004	12.74	16.74	11.08	2.48	6.50	1.28	6.66	9.00	63.61	254.45	9432	318.07	288.60
	6	RGG3006	14.74	20.74	11.08	2.48	6.50	1.28	6.66	9.00	63.61	381.68	9432	318.07	326.00
	8	RGG3008	16.74	24.74	11.08	2.48	6.50	1.28	6.66	9.00	63.61	508.91	9432	318.07	362.40
	10	RGG30010	18.74	28.74	11.08	2.48	6.50	1.28	6.66	9.00	63.61	636.13	9432	318.07	400.80
	12	RGG30012	20.74	32.74	11.08	2.48	6.50	1.28	6.66	9.00	63.61	763.36	9432	318.07	438.20
	13	RGG30013	21.74	34.74	11.08	2.48	6.50	1.28	6.66	9.00	63.61	826.97	9432	318.07	456.90
	14	RGG30014	22.74	36.74	11.08	2.48	6.50	1.28	6.66	9.00	63.61	890.59	9432	318.07	475.60
400	2	RGG4002	12.07	14.07	12.93	2.77	7.50	1.46	7.77	10.50	86.58	173.16	9240	432.90	390.40
	4	RGG4004	14.07	18.07	12.93	2.77	7.50	1.46	7.77	10.50	86.58	346.32	9240	432.90	440.80
	6	RGG4006	16.07	22.07	12.93	2.77	7.50	1.46	7.77	10.50	86.58	519.48	9240	432.90	491.20
	8	RGG4008	18.07	26.07	12.93	2.77	7.50	1.46	7.77	10.50	86.58	692.63	9240	432.90	541.50
	10	RGG40010	20.07	30.07	12.93	2.77	7.50	1.46	7.77	10.50	86.58	865.79	9240	432.90	591.90
	12	RGG40012	22.07	34.07	12.93	2.77	7.50	1.46	7.77	10.50	86.58	1038.95	9240	432.90	642.30
	13	RGG40013	23.07	36.07	12.93	2.77	7.50	1.46	7.77	10.50	86.58	1125.53	9240	432.90	667.50
	14	RGG40014	24.07	38.07	12.93	2.77	7.50	1.46	7.77	10.50	86.58	1212.11	9240	432.90	692.70
500	2	RGG5002	12.28	14.28	14.16	2.90	8.00	1.55	8.51	11.50	103.85	207.70	9629	519.26	451.60
	4	RGG5004	14.28	18.28	14.16	2.90	8.00	1.55	8.51	11.50	103.85	415.41	9629	519.26	530.00
	6	RGG5006	16.28	22.28	14.16	2.90	8.00	1.55	8.51	11.50	103.85	623.11	9629	519.26	589.00
	8	RGG5008	18.28	26.28	14.16	2.90	8.00	1.55	8.51	11.50	103.85	830.82	9629	519.26	647.70
	10	RGG50010	20.28	30.28	14.16	2.90	8.00	1.55	8.51	11.50	103.85	1038.52	9629	519.26	706.60
	12	RGG50012	22.28	34.28	14.16	2.90	8.00	1.55	8.51	11.50	103.85	1246.23	9629	519.26	765.50
	13	RGG50013	23.28	36.28	14.16	2.90	8.00	1.55	8.51	11.50	103.85	1350.08	9629	519.26	794.90
	14	RGG50014	24.28	38.28	14.16	2.90	8.00	1.55	8.51	11.50	103.85	1453.93	9629	519.26	824.40
600	2	RGG6002	12.76	14.76	15.40	3.02	9.00	1.63	9.25	12.50	122.70	245.39	9780	613.48	561.70
	4	RGG6004	14.76	18.76	15.40	3.02	9.00	1.63	9.25	12.50	122.70	490.78	9780	613.48	633.80
	6	RGG6006	16.76	22.76	15.40	3.02	9.00	1.63	9.25	12.50	122.70	736.17	9780	613.48	705.90
	8	RGG6008	18.76	26.76	15.40	3.02	9.00	1.63	9.25	12.50	122.70	981.56	9780	613.48	778.00
	10	RGG60010	20.76	30.76	15.40	3.02	9.00	1.63	9.25	12.50	122.70	1226.96	9780	613.48	850.10
	12	RGG60012	22.76	34.76	15.40	3.02	9.00	1.63	9.25	12.50	122.70	1472.35	9780	613.48	922.20
	13	RGG60013	23.76	36.76	15.40	3.02	9.00	1.63	9.25	12.50	122.70	1595.04	9780	613.48	958.20
	14	RGG60014	24.76	38.76	15.40	3.02	9.00	1.63	9.25	12.50	122.70	1717.74	9780	613.48	994.30

Model Shown:
RDG Family



▶ RDG Series is perfect choice for any heavy lift MRO application.



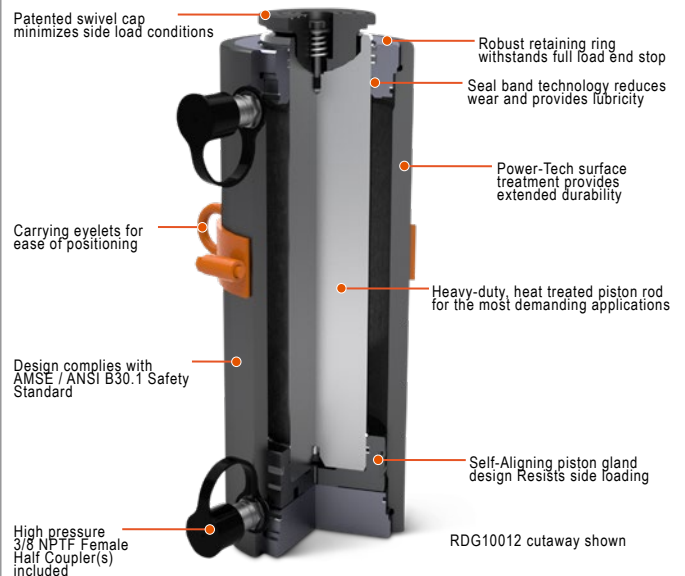
Features

HEAVY LIFT, GENERAL PURPOSE CYLINDER FOR TOUGH MRO APPLICATIONS.

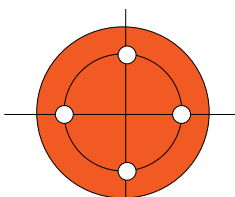
- Double-Acting, hydraulic return cylinders, tonnages ranging from 55-200.
- Patented swivel cap provides concentrated load centering up to 5 degrees.
- Safety relief valve prevents over-pressurization of the retract circuit.
- Sealing technology provides lubrication to reduce friction and wear.
- "Power-Tech" nitro-carburization surface treatment inhibits corrosion and provides exceptional durability.
- Floating piston design resists side loading conditions.
- Base mounting holes standard on all models (they are not maintained to port location).
- Two high flow 3/8" NPTF female half coupler and removable carry strap w/ eyelets are included.
- Complies with ANSI / ASME B30.1 Safety Standards.



RDG Series Design Features



Technical Dimensions, Base Mounting Holes



Four base mounting holes are 45° apart - standard on all models.

Tonnage	55	75	100	150	200
# of Base Mounting Holes	4	4	4	4	4
Base thread size	M12X1.75 - 6H	M12X1.75 - 6H	M16X1.5 - 6H	M16X1.5 - 6H	M20X1.5 - 6H
Base thread depth (in)	0.71	0.71	0.62	0.90	1.20
Base Mounting Diameter (in.)	3.03	3.66	4.00	5.12	5.72
Orientation	Mounting hole orientation is not maintained to port location.				

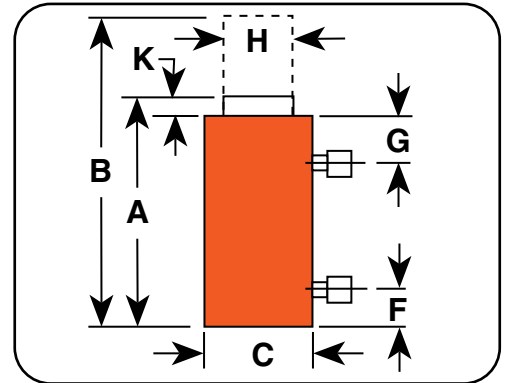


Cylinder Selection



Power Team recommends using 80% of the rated capacity and stroke to maximize product performance and safety.

Custom stroke lengths are available, contact your local Power Team Sales Office for details and availability.



Ordering Information

Cyl. Cap.	Stroke	Order No.	A Ret. Height	B Ext. Height	C Outside Dia.	F Base to Port	G Top to Port	H Piston Rod Dia.	K Swivel Cap Protrusion	Swivel Cap Dia.	Bore Dia.	Cyl. Eff. Area (Advance)	Oil Cap. (Ext.)	Oil Cap. (Ret.)	Int. Press. at Cap.	Tons at 10,000 PSI	Prod. Wt.
(tons)	(in.)		(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(sq. in.)	(cu. in.)	(cu. in.)	(psi)	(tons)	(lbs.)
55	2	RDG552	7.84	9.84	5.16	1.61	1.61	2.75	0.67	2.78	3.75	11.04	22.09	10.23	9959	55.20	39.20
	4	RDG554	9.84	13.84	5.16	1.61	1.61	2.75	0.67	2.78	3.75	11.04	44.18	20.45	9959	55.20	48.20
	6	RDG556	11.84	17.84	5.16	1.61	1.61	2.75	0.67	2.78	3.75	11.04	66.27	30.68	9959	55.20	60.10
	8	RDG558	13.84	21.84	5.16	1.61	1.61	2.75	0.67	2.78	3.75	11.04	88.36	40.90	9959	55.20	69.10
	10	RDG5510	15.84	25.84	5.16	1.61	1.61	2.75	0.67	2.78	3.75	11.04	110.45	51.13	9959	55.20	78.00
	12	RDG5512	17.84	29.84	5.16	1.61	1.61	2.75	0.67	2.78	3.75	11.04	132.54	61.35	9959	55.20	87.05
	13	RDG5513	18.84	31.84	5.16	1.61	1.61	2.75	0.67	2.78	3.75	11.04	143.58	66.47	9959	55.20	91.50
	14	RDG5514	19.84	33.84	5.16	1.61	1.61	2.75	0.67	2.78	3.75	11.04	154.63	71.58	9959	55.20	95.90
75	2	RDG752	8.31	10.31	5.78	1.76	1.76	3.12	0.76	3.24	4.38	15.03	30.06	14.74	9979	75.20	51.60
	4	RDG754	10.31	14.31	5.78	1.76	1.76	3.12	0.76	3.24	4.38	15.03	60.13	29.48	9979	75.20	67.40
	6	RDG756	12.31	18.31	5.78	1.76	1.76	3.12	0.76	3.24	4.38	15.03	90.19	44.23	9979	75.20	78.16
	8	RDG758	14.31	22.31	5.78	1.76	1.76	3.12	0.76	3.24	4.38	15.03	120.26	58.97	9979	75.20	88.90
	10	RDG7510	16.31	26.31	5.78	1.76	1.76	3.12	0.76	3.24	4.38	15.03	150.32	73.71	9979	75.20	99.60
	12	RDG7512	18.31	30.31	5.78	1.76	1.76	3.12	0.76	3.24	4.38	15.03	180.39	88.45	9979	75.20	110.33
	13	RDG7513	19.31	32.31	5.78	1.76	1.76	3.12	0.76	3.24	4.38	15.03	195.42	95.82	9979	75.20	115.70
	14	RDG7514	20.31	34.31	5.78	1.76	1.76	3.12	0.76	3.24	4.38	15.03	210.45	103.20	9979	75.20	121.10
100	2	RDG1002	8.70	10.70	6.53	1.85	1.85	3.75	0.92	3.87	5.13	20.63	41.27	19.21	9692	103.10	71.10
	4	RDG1004	10.70	14.70	6.53	1.85	1.85	3.75	0.92	3.87	5.13	20.63	82.54	38.43	9692	103.10	84.60
	6	RDG1006	12.70	18.70	6.53	1.85	1.85	3.75	0.92	3.87	5.13	20.63	123.81	57.64	9692	103.10	98.10
	8	RDG1008	14.70	22.70	6.53	1.85	1.85	3.75	0.92	3.87	5.13	20.63	165.08	76.86	9692	103.10	111.60
	10	RDG10010	16.70	26.70	6.53	1.85	1.85	3.75	0.92	3.87	5.13	20.63	206.35	96.07	9692	103.10	125.20
	12	RDG10012	18.70	30.70	6.53	1.85	1.85	3.75	0.92	3.87	5.13	20.63	247.62	115.29	9692	103.10	138.70
	13	RDG10013	19.70	32.70	6.53	1.85	1.85	3.75	0.92	3.87	5.13	20.63	268.25	124.90	9692	103.10	145.40
	14	RDG10014	20.70	34.70	6.53	1.85	1.85	3.75	0.92	3.87	5.13	20.63	288.88	134.50	9692	103.10	152.20
150	2	RDG1502	9.37	11.37	7.70	2.11	2.11	4.50	0.95	4.63	6.25	30.68	61.37	29.60	9777	153.40	103.00
	4	RDG1504	11.37	15.37	7.70	2.11	2.11	4.50	0.95	4.63	6.25	30.68	122.73	59.21	9777	153.40	121.00
	6	RDG1506	13.37	19.37	7.70	2.11	2.11	4.50	0.95	4.63	6.25	30.68	184.10	88.81	9777	153.40	139.00
	8	RDG1508	15.37	23.37	7.70	2.11	2.11	4.50	0.95	4.63	6.25	30.68	245.47	118.41	9777	153.40	157.00
	10	RDG15010	17.37	27.37	7.70	2.11	2.11	4.50	0.95	4.63	6.25	30.68	306.84	148.02	9777	153.40	175.10
	12	RDG15012	19.37	31.37	7.70	2.11	2.11	4.50	0.95	4.63	6.25	30.68	368.20	177.62	9777	153.40	193.10
	13	RDG15013	20.37	33.37	7.70	2.11	2.11	4.50	0.95	4.63	6.25	30.68	398.89	192.42	9777	153.40	202.10
	14	RDG15014	21.37	35.37	7.70	2.11	2.11	4.50	0.95	4.63	6.25	30.68	429.57	207.22	9777	153.40	211.10
200	2	RDG2002	10.04	12.04	8.93	2.25	2.25	5.25	1.06	5.37	7.25	41.28	82.57	39.33	9689	206.40	148.70
	4	RDG2004	12.04	16.04	8.93	2.25	2.25	5.25	1.06	5.37	7.25	41.28	165.14	78.66	9689	206.40	173.10
	6	RDG2006	14.04	20.04	8.93	2.25	2.25	5.25	1.06	5.37	7.25	41.28	247.71	117.99	9689	206.40	197.40
	8	RDG2008	16.04	24.04	8.93	2.25	2.25	5.25	1.06	5.37	7.25	41.28	330.27	157.31	9689	206.40	221.80
	10	RDG20010	18.04	28.04	8.93	2.25	2.25	5.25	1.06	5.37	7.25	41.28	412.84	196.64	9689	206.40	246.20
	12	RDG20012	20.04	32.04	8.93	2.25	2.25	5.25	1.06	5.37	7.25	41.28	495.41	235.97	9689	206.40	270.50
	13	RDG20013	21.04	34.04	8.93	2.25	2.25	5.25	1.06	5.37	7.25	41.28	536.70	255.64	9689	206.40	282.70
	14	RDG20014	22.04	36.04	8.93	2.25	2.25	5.25	1.06	5.37	7.25	41.28	577.98	275.30	9689	206.40	294.90

Model Shown:
RDG Family



Features

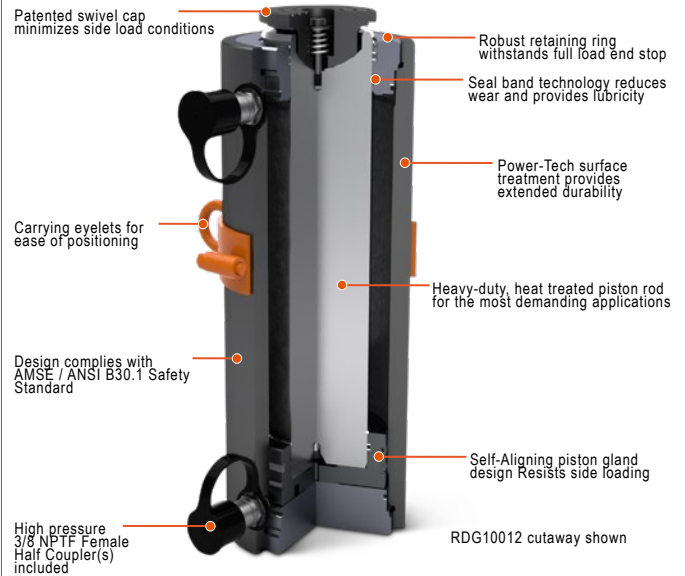
HEAVY LIFT, GENERAL PURPOSE CYLINDER FOR TOUGH MAINTENANCE APPLICATIONS.

- Double-Acting, hydraulic return cylinders, tonnages ranging from 250 - 600.
- Patented swivel cap provides concentrated load centering up to 5 degrees.
- Safety relief valve prevents over-pressurization of the retract circuit.
- Sealing technology provides lubrication to reduce friction and wear.
- "Power-Tech" nitro-carburization surface treatment inhibits corrosion and provides exceptional durability.
- Floating piston design resists side loading conditions.
- Two high flow 3/8" NPTF female half coupler and removable carry strap w/ eyelets are included.
- Base mounting holes standard on all models (they are not maintained to port location).
- Complies with ANSI / ASME B30.1 Safety Standards.

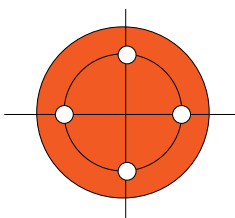
▶ RDG Series is perfect for mining MRO application.



RDG Series Design Features



▶ Technical Dimensions, Base Mounting Holes



Four base mounting holes are 45° apart - standard on all models.

Tonnage	250	300	400	500	600
# of Base Mounting Holes	4	4	4	4	4
Base thread size	M24X3.0 - 6H	M24X3.0 - 6H	M30X3.5 - 6H	M30X3.5 - 6H	M33X2.0 - 6H
Base thread depth (in)	1.46	1.46	1.80	1.80	1.95
Base Mounting Diameter (in.)	6.06	7.06	7.65	8.95	9.65
Base Mounting Orientation	Mounting hole orientation is not maintained to port location.				

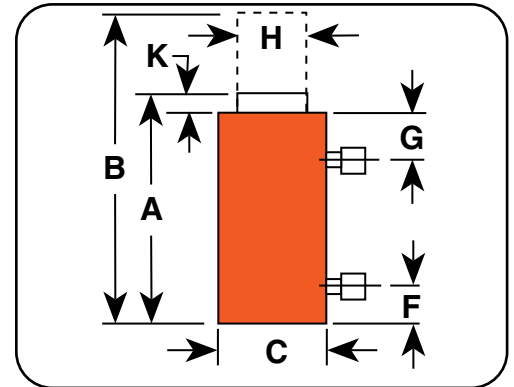


Cylinder Selection



Power Team recommends using 80% of the rated capacity and stroke to maximize product performance and safety.

Custom stroke lengths are available, contact your local Power Team Sales Office for details and availability.



Ordering Information

Cyl. Cap.	Stroke	Order No.	A Ret. Height	B Ext. Height	C Outside Dia.	F Base to Port	G Top to Port	H Piston Rod Dia.	K Swivel Cap Protrusion	Swivel Cap Dia.	Bore Dia.	Cyl. Eff. Area (Advance)	Oil Cap. (Ext.)	Oil Cap. (Ret.)	Int. Press. at Cap.	Tons at 10,000 PSI	Prod. Wt.
(tons)	(in.)		(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(sq. in.)	(cu. in.)	(cu. in.)	(psi)	(tons)	(lbs.)
250	2	RDG2502	10.30	12.30	9.85	2.35	2.35	6.00	1.12	5.56	8.00	50.27	100.53	44.05	9947	251.30	192.30
	4	RDG2504	12.30	16.30	9.85	2.35	2.35	6.00	1.12	5.56	8.00	50.27	201.06	88.10	9947	251.30	223.00
	6	RDG2506	14.30	20.30	9.85	2.35	2.35	6.00	1.12	5.56	8.00	50.27	301.59	132.14	9947	251.30	253.80
	8	RDG2508	16.30	24.30	9.85	2.35	2.35	6.00	1.12	5.56	8.00	50.27	402.12	176.19	9947	251.30	284.50
	10	RDG25010	18.30	28.30	9.85	2.35	2.35	6.00	1.12	5.56	8.00	50.27	502.65	220.24	9947	251.30	315.20
	12	RDG25012	20.30	32.30	9.85	2.35	2.35	6.00	1.12	5.56	8.00	50.27	603.18	264.29	9947	251.30	345.90
	13	RDG25013	21.30	34.30	9.85	2.35	2.35	6.00	1.12	5.56	8.00	50.27	653.45	286.31	9947	251.30	361.30
	14	RDG25014	22.30	36.30	9.85	2.35	2.35	6.00	1.12	5.56	8.00	50.27	703.71	308.34	9947	251.30	376.70
300	2	RDG3002	10.74	12.74	11.08	2.48	2.48	6.50	1.28	6.66	9.00	63.61	127.23	60.93	9432	318.10	251.40
	4	RDG3004	12.74	16.74	11.08	2.48	2.48	6.50	1.28	6.66	9.00	63.61	254.45	121.87	9432	318.10	288.80
	6	RDG3006	14.74	20.74	11.08	2.48	2.48	6.50	1.28	6.66	9.00	63.61	381.68	182.80	9432	318.10	326.20
	8	RDG3008	16.74	24.74	11.08	2.48	2.48	6.50	1.28	6.66	9.00	63.61	508.91	243.74	9432	318.10	363.60
	10	RDG30010	18.74	28.74	11.08	2.48	2.48	6.50	1.28	6.66	9.00	63.61	636.13	304.67	9432	318.10	401.00
	12	RDG30012	20.74	32.74	11.08	2.48	2.48	6.50	1.28	6.66	9.00	63.61	763.36	365.61	9432	318.10	438.40
	13	RDG30013	21.74	34.74	11.08	2.48	2.48	6.50	1.28	6.66	9.00	63.61	826.97	396.08	9432	318.10	457.10
	14	RDG30014	22.74	36.74	11.08	2.48	2.48	6.50	1.28	6.66	9.00	63.61	890.59	426.54	9432	318.10	475.80
400	2	RDG4002	12.07	14.07	12.93	2.77	2.77	7.50	1.46	7.77	10.50	86.58	173.16	84.89	9240	433.00	390.60
	4	RDG4004	14.07	18.07	12.93	2.77	2.77	7.50	1.46	7.77	10.50	86.58	346.32	169.79	9240	433.00	441.00
	6	RDG4006	16.07	22.07	12.93	2.77	2.77	7.50	1.46	7.77	10.50	86.58	519.48	254.68	9240	433.00	491.40
	8	RDG4008	18.07	26.07	12.93	2.77	2.77	7.50	1.46	7.77	10.50	86.58	692.63	339.57	9240	433.00	541.70
	10	RDG40010	20.07	30.07	12.93	2.77	2.77	7.50	1.46	7.77	10.50	86.58	865.79	424.47	9240	433.00	592.10
	12	RDG40012	22.07	34.07	12.93	2.77	2.77	7.50	1.46	7.77	10.50	86.58	1038.95	509.36	9240	433.00	635.60
	13	RDG40013	23.07	36.07	12.93	2.77	2.77	7.50	1.46	7.77	10.50	86.58	1125.53	551.80	9240	433.00	667.70
	14	RDG40014	24.07	38.07	12.93	2.77	2.77	7.50	1.46	7.77	10.50	86.58	1212.11	594.25	9240	433.00	692.90
500	2	RDG5002	12.28	14.28	14.16	2.90	2.90	8.00	1.55	8.51	11.50	103.85	207.70	107.27	9629	519.30	471.30
	4	RDG5004	14.28	18.28	14.16	2.90	2.90	8.00	1.55	8.51	11.50	103.85	415.41	214.55	9629	519.30	530.20
	6	RDG5006	16.28	22.28	14.16	2.90	2.90	8.00	1.55	8.51	11.50	103.85	623.11	321.82	9629	519.30	589.10
	8	RDG5008	18.28	26.28	14.16	2.90	2.90	8.00	1.55	8.51	11.50	103.85	830.82	429.10	9629	519.30	647.90
	10	RDG50010	20.28	30.28	14.16	2.90	2.90	8.00	1.55	8.51	11.50	103.85	1038.52	536.37	9629	519.30	706.80
	12	RDG50012	22.28	34.28	14.16	2.90	2.90	8.00	1.55	8.51	11.50	103.85	1246.23	643.65	9629	519.30	765.70
	13	RDG50013	23.28	36.28	14.16	2.90	2.90	8.00	1.55	8.51	11.50	103.85	1350.08	697.29	9629	519.30	795.10
	14	RDG50014	24.28	38.28	14.16	2.90	2.90	8.00	1.55	8.51	11.50	103.85	1453.93	750.92	9629	519.30	824.60
600	2	RDG6002	12.76	14.76	15.40	3.02	3.02	9.00	1.63	9.25	12.50	122.70	245.39	118.28	9780	613.60	562.20
	4	RDG6004	14.76	18.76	15.40	3.02	3.02	9.00	1.63	9.25	12.50	122.70	490.78	236.56	9780	613.60	634.30
	6	RDG6006	16.76	22.76	15.40	3.02	3.02	9.00	1.63	9.25	12.50	122.70	736.17	354.83	9780	613.60	706.40
	8	RDG6008	18.76	26.76	15.40	3.02	3.02	9.00	1.63	9.25	12.50	122.70	981.56	473.11	9780	613.60	778.50
	10	RDG60010	20.76	30.76	15.40	3.02	3.02	9.00	1.63	9.25	12.50	122.70	1226.96	591.39	9780	613.60	850.60
	12	RDG60012	22.76	34.76	15.40	3.02	3.02	9.00	1.63	9.25	12.50	122.70	1472.35	709.67	9780	613.60	922.70
	13	RDG60013	23.76	36.76	15.40	3.02	3.02	9.00	1.63	9.25	12.50	122.70	1595.04	768.80	9780	613.60	958.70
	14	RDG60014	24.76	38.76	15.40	3.02	3.02	9.00	1.63	9.25	12.50	122.70	1717.74	827.94	9780	613.60	994.80

Model Shown:

RD10013, RD556, RD300



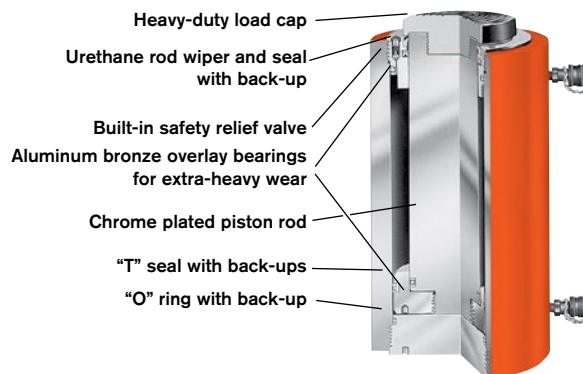
Features

HIGH TONNAGE PREMIUM DESIGN FOR HIGH CYCLE LIFE.

- Perfect for bridge lifting, building reconstruction, shipyard, utility and mining equipment maintenance.
- Aluminum bronze overlay bearings provide long life.
- Chrome plated piston rod resists corrosion.
- Rod and collar threads are designed to withstand full tonnage.
- Grooved ring pattern in load cap helps guard against load slippage.
- Each cylinder has two 9796 3/8" NPTF female half couplers.
- Built-in safety relief valve prevents over-pressurization of the retract circuit.
- Feature mounting holes and collar threads.
- Complies with ANSI / ASME B30.1 Safety Standards.



RD Series Design Features



RD Series Performance

The table at right gives you an idea of what to expect when coupling RD series cylinders to a Power Team pump. Actual performance will vary according to job conditions.

Pump	Cylinder	Time to Extend Cylinder 1"	
		100 psi	10,000 psi
PE55	RD55	1.0 sec.	12.0 sec.
	RD100	1.8 sec.	22.5 sec.
	RD200	3.5 sec.	45.0 sec.
	RD400	7.2 sec.	85.0 sec.
PQ120 Series	RD200	3.4 sec.	20.6 sec.
	RD300	4.9 sec.	30.0 sec.
	RD400	6.4 sec.	39.0 sec.
	RD500	8.1 sec.	49.5 sec.
PE400 Series	RD300	3.0 sec.	8.5 sec.
	RD400	3.9 sec.	11.1 sec.
	RD500	4.9 sec.	14.1 sec.

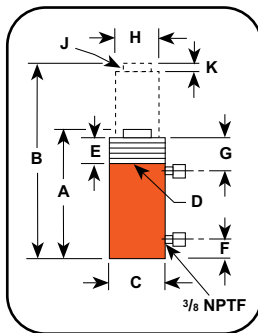
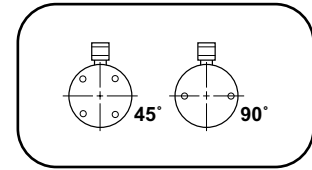
Four special order 500 ton, 24" stroke cylinders used in a swaging press for crimping 3 1/2" wire rope.



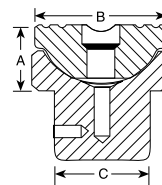
Technical Dimensions, Base Mounting Holes

Cylinder Tonnage	10	25	55	80	100	150	200	300	400	500
# of Holes	2	4	4	4	4		4	4	4	6
Thread Size	3/8"-16	1/2"-13	5/8"-11	5/8"-11	3/4"-10	1"-8	1 1/4"-7	1 1/4"-7	1 1/2"-12	1 3/8"-12
Thread Depth (in)	0.63	0.75	0.88	0.88	1.00	1.00	1.25	1.75	1.88	2.00
Bolt Circle Diameter (in.)	2.00	2.75	3.50	4.50	5.50	6.00	6.50	6.25	7.25	8.00
Orientation*	90°	45°	45°	45°	45°	45°	45°	Random	Random	Random

NOTE: Base mounting holes are standard on all RD cylinders. *Orientation of base mounting holes to coupler.



Optional Swivel Load Caps Ordering Info



Cylinder Tonnage	Swivel Cap Order No.	Wt. (lbs.)	A (in.)	B (in.)	C (in.)
10	350144	0.8	0.88	1.44	0.86
25	350145	1.3	1.13	2.13	1.44
55	351325	4.2	2.44	2.50	1.55
100	351324	11.2	2.95	3.75	2.66
150/200	351334	12.8	2.63	4.38	3.06

Ordering Information

Cyl. Cap.	Stroke		Order No.	Oil Cap.		A	B	C	D	E	F	G	H	J	K	Load Cap. Dia.	Bore Dia.	Cylinder Effective Area		Int. Press. at Cap.		Tons at 10,000		Prod. Wt.
						Re-tracted Height	Ex-tended Height	Outside Dia.	Collar Thread Size	Thread Length Thread	Base to Port	Cyl. Piston Top to Port	Piston Rod Dia.	Rod Int. Thread & Depth	Piston Rod Protru-sion									
	(tons)	(in.)		(cu.in)		(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(sq. in.)		(psi)		(tons)		(lbs.)
Push		Pull	Push		Pull													Push	Pull	Push	Pull	Push	Pull	
10	4	6.25	RD106	13.9	5.5	11.69	17.94	3.00	2 3/4 - 12	1.63	1.00	2.50	0.94	1-8 x 1	0.25	1.38	1.69	2.23	0.88	8,943	9,055	11.2	4.4	22.0
	4	10.00		22.3	8.8	15.69	25.69	3.00	2 3/4 - 12	1.63	1.00	2.50	0.94	1-8 x 1	0.25	1.38	1.69	2.23	0.88	8,943	9,055	11.2	4.4	28.0
25	8	6.25	RD256	32.2	10.1	12.38	18.63	4.00	4 - 12	1.63	1.00	2.50	2.13	1 1/2-16 x 1	0.38	2.13	2.56	5.15	1.61	9,695	9,934	25.8	8.0	39.8
	8	14.25		73.5	22.9	20.38	34.63	4.00	4 - 12	1.63	1.00	2.50	2.13	1 1/2-16 x 1	0.38	2.13	2.56	5.15	1.61	9,695	9,934	25.8	8.0	65.0
55	28	6.25	RD556	69.0	35.2	12.97	19.22	5.00	5 - 12	1.63	1.31	2.50	2.63	1 11/16-8 x 1 3/16	0.63	2.63	3.75	11.04	5.63	9,959	9,941	55.2	28.2	61.4
	28	13.13		144.9	73.9	19.84	32.97	5.00	5 - 12	1.63	1.29	2.50	2.63	1 11/16-8 x 1 3/16	0.63	2.63	3.75	11.04	5.63	9,959	9,941	55.2	28.2	90.0
80	28	18.13	RD5518	200.0	102.0	25.88	44.00	5.00	5 - 12	1.63	1.28	2.50	2.63	1 11/16-8 x 1 3/16	0.63	2.63	3.75	11.04	5.63	9,959	9,941	55.2	28.2	142.0
	44	13.13		208.6	115.9	20.38	33.50	5.75	5 3/4 - 12	1.63	1.50	2.50	3.00	2-4 1/2 x 1 1/2	0.56	2.88	4.50	15.9	8.84	10,060	9,954	79.5	44.2	118.0
100	44	6.63	RD1006	136.7	58.5	13.78	20.41	6.88	6 7/8 - 12	1.63	1.50	2.50	3.88	2 3/4-12 x 1 5/32	0.63	3.88	5.13	20.63	8.84	9,695	9,959	103.1	44.2	126.0
	44	13.13		270.7	116.0	20.28	33.41	6.88	6 7/8 - 12	1.63	1.50	2.50	3.88	2 3/4-12 x 1 5/32	0.63	3.88	5.13	20.63	8.84	9,695	9,959	103.1	44.2	181.0
150	44	20.13	RD10020	415.2	178.0	30.50	50.63	6.88	6 7/8 - 12	1.63	2.78	2.50	3.88	2 3/4-12 x 1 5/32	0.63	3.88	5.13	20.63	8.84	9,695	9,959	103.1	44.2	260.0
	73	6.63		203.3	97.9	14.88	21.50	8.25	8 1/4 - 12	1.63	2.00	2.50	4.50	3 1/4-8 x 1 1/2	0.81	4.50	6.25	30.68	14.78	9,779	9,880	153.4	73.8	188.0
200	73	13.13	RD15013	402.7	193.9	21.38	34.50	8.25	8 1/4 - 12	1.63	2.00	2.50	4.50	3 1/4-8 x 1 1/2	0.81	4.50	6.25	30.68	14.78	9,779	9,880	153.4	73.8	272.0
	73	18.13		556.8	267.8	26.53	44.66	8.25	8 1/4 - 12	1.63	2.00	2.50	4.50	3 1/4-8 x 1 1/2	0.75	4.50	6.25	30.68	14.78	9,779	9,880	153.4	73.8	376.0
300	113	6.63	RD2006	273.5	149.8	16.00	22.63	9.50	9 1/2 - 12	1.63	2.50	2.69	4.88	3 1/4-8 x 2 1/4	1.06	4.50	7.25	41.28	22.62	9,689	9,992	206.4	113.1	262.0
	113	13.13		541.8	296.9	22.50	35.63	9.50	9 1/2 - 12	1.63	2.33	2.69	4.88	3 1/4-8 x 2 1/4	1.06	4.50	7.25	41.28	22.62	9,689	9,992	206.4	113.1	356.0
400	113	18.13	RD20018	748.2	409.9	28.50	46.63	9.50	9 1/2 - 12	1.63	2.25	2.69	4.88	3 1/4-8 x 2 1/4	1.06	4.50	7.25	41.28	22.62	9,689	9,992	206.4	113.1	442.0
	147	6.00		361.0	177.0	17.28	23.28	10.75	10 1/2 - 12	2.38	3.38	3.38	6.25	2 1/2-12 x 3 1/4	1.13	6.88	8.75	60.13	29.45	9,978	10,000	300.7	147.3	380.0
500	147	13.00	RD30013	782.0	383.0	24.81	37.81	10.75	10 1/2 - 12	2.38	3.38	3.38	6.25	2 1/2-12 x 3 1/4	1.13	6.88	8.75	60.13	29.45	9,978	10,000	300.7	147.3	654.0
	186	6.00		471.0	247.0	19.28	25.28	12.63	12 1/2 - 8	2.75	3.84	3.84	7.25	3-12 x 3 3/4	1.25	7.81	10.00	78.54	37.26	10,185	10,000	392.7	186.3	585.0
500	186	13.00	RD40013	1021.0	536.0	26.28	39.28	12.63	12 1/2 - 8	2.75	3.82	3.84	7.25	3-12 x 3 3/4	1.25	7.81	10.00	78.54	37.26	10,185	10,000	392.7	186.3	770.0
	245	6.00		596.0	295.0	20.56	26.56	14.75	14 3/4 - 8	3.13	4.16	4.16	8.00	3 1/4-12 x 4 1/4	1.5	8.50	11.25	99.40	49.14	10,060	10,000	497.0	245.6	819.0
	245	13.00		1292.0	639.0	27.56	40.56	14.75	14 3/4 - 8	3.13	4.16	4.16	8.00	3 1/4-12 x 4 1/4	1.5	8.50	11.25	99.40	49.14	10,060	10,000	497.0	245.6	1092.0

Model Shown:
R2802C

Cylinders

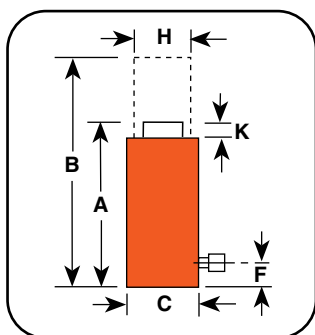


>Features

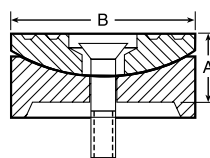
HIGH-TONNAGE, LOW CYCLE APPLICATION, GRAVITY RETURN.

- 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 increases corrosion resistance and gives superior bearing support.
- Optional swivel load caps reduce the effects of off-center loading tilts up to 5 degrees. Radial grooves on top of cap reduce load slippage.

► Technical Dimensions



Optional Swivel Load Caps Ordering Info



Cylinder Tonnage	Swivel Cap Order No.	Wt. (lbs.)	A (in.)	B (in.)
150-200	420867	8.8	1.50	5.13
280	420868	13.5	1.75	5.88
355	420869	37.0	2.75	7.69
430	420870	52.0	3.13	8.88
565	420871	78.0	3.63	9.88

Reduce the effects of off-center loading. Tilt up to 5 degrees. Radial grooves on top of cap reduce load slippage. Notch across face of each cap helps keep loads having a protruding or round shaped centered.

► Ordering Information

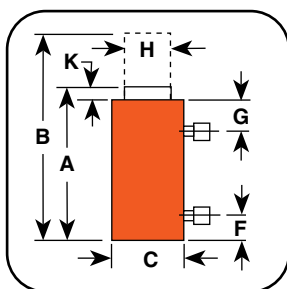
Cyl. Cap.	Stroke	Order No.	Oil Cap.	A	B	C	F	H	K	Bore Dia.	Cylinder Effective Area	Int. Press. at Cap.	Tons at 10,000	Prod. Wt.
(tons)	(in.)		(cu. in.)	Retracted Height (in.)	Extended Height (in.)	Outside Dia. (in.)	Base to Port (in.)	Piston Rod Dia. (in.)	Piston Rod Protrusion (in.)	(in.)	(sq. in.)	(psi)	(tons)	(lbs.)
55	2	R552C	22.1	4.94	6.94	5.00	1.00	3.75	0.13	3.75	11.04	9,960	55.2	27
	6	R556C	66.3	8.94	14.94	5.00	1.00	3.75	0.13	3.75	11.04	9,960	55.2	50
	10	R5510C	110.4	12.94	22.94	5.00	1.00	3.75	0.13	3.75	11.04	9,960	55.2	72
100	2	R1002C	41.3	5.50	7.50	6.50	1.00	5.13	0.13	5.13	20.63	9,695	103.2	52
	6	R1006C	123.8	9.50	15.50	6.50	1.00	5.13	0.13	5.13	20.63	9,695	103.2	89
150	2	R1502C	61.4	6.38	8.38	8.06	1.25	6.25	0.13	6.25	30.68	9,778	153.4	92
	6	R1506C	184.1	10.38	16.38	8.06	1.25	6.25	0.13	6.25	30.68	9,778	153.4	151
	10	R15010C	306.8	14.38	24.38	8.06	1.25	6.25	0.13	6.25	30.68	9,778	153.4	210
200	2	R2002C	82.6	7.50	9.50	9.25	1.63	7.25	0.13	7.25	41.28	9,690	206.4	145
	6	R2006C	247.7	11.50	17.50	9.25	1.63	7.25	0.13	7.25	41.28	9,690	206.4	221
280	2	R2802C	113.5	7.50	9.50	10.25	1.63	8.50	0.13	8.50	56.74	9,870	283.7	201
	6	R2806C	340.4	11.50	17.50	10.88	1.63	8.50	0.13	8.50	56.74	9,870	283.7	300
355	2	R3552C	141.8	9.13	11.13	11.75	2.13	9.50	0.13	9.50	70.88	10,017	354.4	302
	6	R3556C	425.3	13.13	19.13	11.75	2.13	9.50	0.13	9.50	70.88	10,017	354.4	434
	10	R35510C	708.8	17.13	27.13	11.75	2.13	9.50	0.13	9.50	70.88	10,017	354.4	565
430	2	R4302C	173.2	10.38	12.38	13.00	2.50	10.50	0.13	10.50	86.59	9,932	433.0	440
	6	R4306C	519.5	14.38	20.38	13.00	2.50	10.50	0.13	10.50	86.59	9,932	433.0	609
565	2	R5652C	226.2	11.50	13.50	14.88	2.75	12.00	0.13	12.00	113.10	9,991	565.5	638
	6	R5656C	678.6	15.50	21.50	14.88	2.75	12.00	0.13	12.00	113.10	9,991	565.5	858
	10	R56510C	1131	19.50	29.50	14.88	2.75	12.00	0.13	12.00	113.10	9,991	565.5	1078

Model Shown:

R2806D, R1502D



Technical Dimensions



Ordering Information

Cyl. Cap. (tons)	Stroke (in.)	Order No.	Oil Cap.		A	B	C	F	G	H	K	Bore Dia.	Cylinder Effective Area	Int. Press. at Cap.	Tons at 10,000	Prod. Wt.
			(cu. in.)		Retracted Height	Extended Height	Outside Dia.	Base to Port	Cylinder Top to Port	Piston Rod Dia.	Piston Rod Protrusion	(in.)	(sq. in.)	(psi)	(tons)	(lbs.)
			Push	Return	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(sq. in.)	(psi)	(tons)	(lbs.)
100	2	R1002D	41.2	19.2	6.64	8.64	6.50	1.00	2.20	3.75	0.28	5.13	20.6	9,695	103.0	54
	6	R1006D	123.6	57.6	10.64	16.64	6.50	1.00	2.20	3.75	0.28	5.13	20.6	9,695	103.0	81
	10	R10010D	206.0	96.0	14.64	24.64	6.50	1.00	2.20	3.75	0.28	5.13	20.6	9,695	103.0	108
150	2	R1502D	61.4	29.6	7.44	9.44	8.06	1.25	2.25	4.50	0.30	6.25	30.7	9,778	153.4	95
	6	R1506D	184.2	88.8	11.44	17.44	8.06	1.25	2.25	4.50	0.30	6.25	30.7	9,778	153.4	136
200	2	R2002D	82.6	39.2	8.14	10.14	9.25	1.63	2.31	5.25	0.34	7.25	41.3	9,690	206.4	136
	6	R2006D	247.8	117.6	12.14	18.14	9.25	1.63	2.31	5.25	0.34	7.25	41.3	9,690	206.4	187
	10	R20010D	413.0	196.0	16.14	26.14	9.25	1.63	2.31	5.25	0.34	7.25	41.3	9,690	206.4	239
280	2	R2802D	113.4	47.2	9.20	11.20	10.88	1.88	2.58	6.50	0.41	8.50	56.7	9,870	283.7	219
	6	R2806D	340.2	141.6	13.20	19.20	10.88	1.88	2.58	6.50	0.41	8.50	56.7	9,870	283.7	297
	10	R28010D	567.0	236.0	17.20	27.20	10.88	1.88	2.58	6.50	0.41	8.50	56.7	9,870	283.7	376
355	2	R3552D	141.8	47.4	2.63	13.38	11.75	2.13	2.75	7.75	0.44	9.50	70.9	10,017	354.4	324
	6	R3556D	425.4	142.2	15.38	21.38	11.75	2.13	2.75	7.75	0.44	9.50	70.9	10,017	354.4	421
430	2	R4302D	173.2	59.6	12.31	14.31	13.00	2.50	2.95	8.50	0.47	10.50	86.6	9,932	433.0	439
	6	R4306D	519.6	178.8	16.31	22.31	13.00	2.50	2.95	8.50	0.47	10.50	86.6	9,932	433.0	558
	10	R43010D	866.0	298.0	20.31	30.31	13.00	2.50	2.95	8.50	0.47	10.50	86.6	9,932	433.0	673
565	2	R5652D	226.2	76.8	13.59	15.59	14.88	2.75	3.20	9.75	0.55	12.00	113.1	9,991	565.5	619
	6	R5656D	678.6	230.4	17.59	23.59	14.88	2.75	3.20	9.75	0.55	12.00	113.1	9,991	565.5	772
	10	R56510D	1131.0	384.0	21.59	31.59	14.88	2.75	3.20	9.75	0.55	12.00	113.1	9,991	565.5	926

Features

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 retraction circuit.
- Each cylinder has two 9796 3/8" NPTF female half couplers.



Hydraulic Hoses



Heavy-duty and thermo plastic hydraulic hoses to meet your requirements and safety factor.

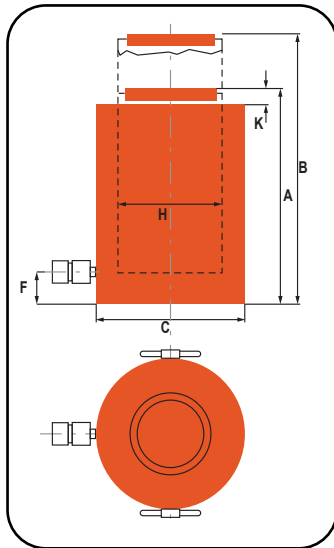
Refer to the accessories section for details.

Model Shown:
RC7406C

Cylinders



Technical Dimensions



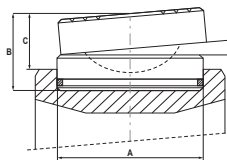
Features

HIGH-TONNAGE, LOW CYCLE, GRAVITY RETURN CYLINDERS.

- Overflow port (weep hole) prevents piston from being overextended under load.
- Alloy heat treated piston and body for reliability and strength.
- Plated piston rod increases corrosion resistance and gives superior bearing support.
- Complies with ANSI / ASME B30.1 Safety Standards.



Optional Swivel Load Caps Ordering Info



Reduce the effects of off-center loading. Tilt up to 5 degrees. Radial grooves on top of cap reduce load slippage. Notch across face of each cap helps keep loads having a round shaped center.

Used with Cylinder	Swivel Cap Order No.	Wt. (lbs.)	A (in.)	B (in.)	C (in.)
RC740_C, RC965_C	2000824	158.7	11.4	5.5	3.9
RC1220_C	2000825	249.1	12.7	6.9	4.9



Hydraulic Hoses



Heavy-duty and thermo plastic hydraulic hoses to meet your requirements and safety factor.

Refer to the accessories section for details.

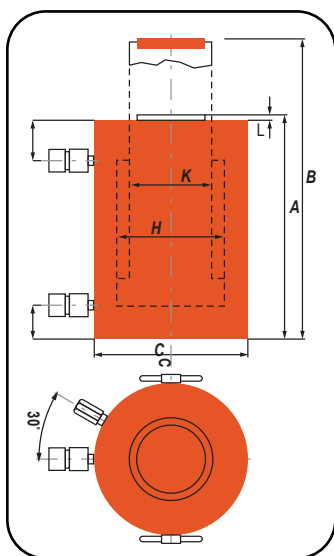
Ordering Information

Cyl. Cap.	Stroke	Order No.	Oil Cap.	A	B	C	F	H	K	Bore Dia.	Cylinder Effective Area	Tons at 10,000	Prod. Wt.
(tons)	(in.)		(cu. in.)	Retracted Height (in.)	Extended Height (in.)	Outside Dia. (in.)	Base to Port (in.)	Piston Rod Dia. (in.)	Piston Rod Protrusion (in.)	(in.)	(sq. in.)	(tons)	(lbs.)
740	2	RC7402C	293.6	10.40	12.40	16.90	2.60	13.80	0.40	13.80	149.10	742	661
	6	RC7406C	880.7	14.40	20.30	16.90	2.60	13.80	0.40	13.80	149.10	742	917
	10	RC74010C	1467.8	18.30	28.10	16.90	2.60	13.80	0.40	13.80	149.10	742	1168
965	2	RC9652C	383.2	11.40	13.40	19.30	2.80	15.70	0.40	15.70	194.80	970	933
	6	RC9656C	1150.2	15.40	21.30	19.30	2.80	15.70	0.40	15.70	194.80	970	1272
	10	RC96510C	1916.2	19.30	29.10	19.30	2.80	15.70	0.40	15.70	194.80	970	1598
1220	2	RC12202C	485.1	16.30	18.10	21.70	3.10	17.70	0.40	17.70	246.50	1227	1689
	6	RC12206C	1455.8	20.20	26.10	21.70	3.10	17.70	0.40	17.70	246.50	1227	2116
	10	RC122010C	2452.2	24.40	34.20	21.70	3.10	17.70	0.40	17.70	246.50	1227	2539

Model Shown:
RC7406D



Technical Dimensions



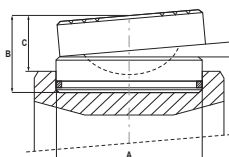
Features

HIGH-TONNAGE CYLINDERS RUGGED AND RELIABLE.

- Cylinders come standard with hardened caps.
- 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.
- Complies with ANSI / ASME B30.1 Safety Standards.



Optional Swivel Load Caps Ordering Info



Reduce the effects of off-center loading. Tilt up to 5 degrees. Radial grooves on top of cap reduce load slippage. Notch across face of each cap helps keep loads having a round shaped center.

Used with Cylinder	Swivel Cap Order No.	Wt. (lbs.)	A (in.)	B (in.)	C (in.)
RC740_D	2000822	2.5	7.9	3.1	2.2
RC965_D	2000823	88.2	9.8	4.1	3.0
RC1220_D	2000825	249.1	12.7	6.9	4.9

Ordering Information

Cyl. Cap.	Stroke	Order No.	Oil Cap.	A	B	C	F	G	H	K	L	Cylinder Effective Area	Tons at 10,000	Prod. Wt.
(tons)	(in.)		(cu. in.)	Retracted Height (in.)	Extended Height (in.)	Outside Dia. (in.)	Base to Port (in.)	Cylinder Top to Port (in.)	Bore Dia. (in.)	Piston Rod Dia. (in.)	Piston Rod Protrusion (in.)	(sq. in.)	(tons)	(lbs.)
740	2.0	RC7402D	293.60	11.10	13.10	16.90	2.60	3.90	13.80	11.01	0.40	149.10	742	670
	6.0	RC7406D	880.70	15.70	21.60	16.90	2.60	3.90	13.80	11.01	0.40	149.10	742	877
	10.0	RC74010D	1467.80	20.00	29.80	16.90	2.60	3.90	13.80	11.01	0.40	149.10	742	1,080
965	2.0	RC9652D	383.20	12.20	14.20	19.30	2.80	4.50	15.70	12.75	0.40	194.80	970	957
	6.0	RC9656D	1150.20	16.50	22.40	19.30	2.80	4.50	15.70	12.75	0.40	194.80	970	1,215
	9.8	RC96510D	1916.20	20.90	30.70	19.30	2.80	4.50	15.70	12.75	0.40	194.80	970	1,473
1220	2.0	RC12202D	485.10	13.00	15.00	21.70	3.10	5.30	17.70	14.17	0.40	246.50	1227	1,287
	6.0	RC12206D	1455.80	17.30	23.20	21.70	3.10	5.30	17.70	14.17	0.40	246.50	1227	1,612
	10.0	RC122010D	2452.20	21.70	31.50	21.70	3.10	5.30	17.70	14.17	0.40	246.50	1227	1,936

Model Shown:

RA1006L, RA556L



>Features

POSITIVE MECHANICAL LOCKING COLLAR TO SUPPORT EXTENDED LOAD HOLDING.

- Supports lifted load for extended periods of time with hydraulic pressure released.
- At half the weight of steel cylinders of comparable capacity, aluminum cylinders are ideal when portability is a key factor.
- Features carrying handle.
- Complies with ANSI / ASME B30.1 Safety Standards.



Locking Collar



Locking collar feature permits non-hydraulic support of load.

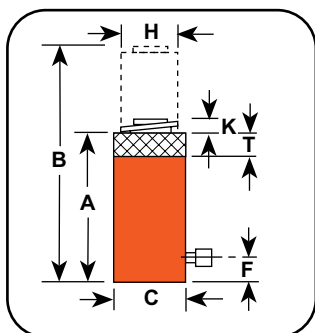


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Looking for great safety suggestions? Visit our Resource Section to get a better understanding of hydraulic and mechanical safety insights on what to look for when working around hydraulics.

► Technical Dimensions



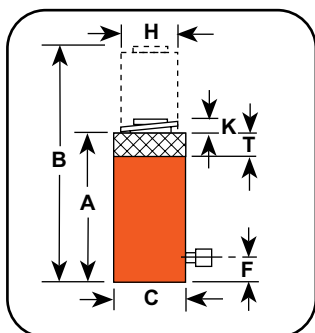
► Ordering Information

Cyl. Cap.	Stroke	Order No.	Oil Cap.	A	B	C	F	H	K	T	Bore Dia.	Cylinder Effective Area	Int. Press. at Cap.	Tons at 10,000	Prod. Wt.
(tons)	(in.)		(cu. in.)	Retracted Height (in.)	Extended Height (in.)	Outside Dia. (in.)	Base to Port (in.)	Piston Rod Dia. (in.)	Piston Rod Protrusion (in.)	Nut Thickness (in.)	(in.)	(sq. in.)	(psi)	(tons)	(lbs.)
55	6.13	RA556L	67.6	12.50	18.63	5.25	1.38	3.25	0.50	1.50	3.75	11.04	9,960	55.2	29.6
100	6.25	RA1006L	129	13.38	19.63	7.38	1.19	4.50	0.25	1.50	5.13	20.62	9,696	103.1	64.0

Model Shown:
R556L



Technical Dimensions



Ordering Information

Cyl. Cap.	Stroke	Order No.	Oil Cap.	A	B	C	F	H	L	T	Bore Dia.	Cylinder Effective Area	Int. Press. at Cap.	Tons at 10,000	Prod. Wt.
(tons)	(in.)		(cu. in.)	Retracted Height (in.)	Extended Height (in.)	Outside Dia. (in.)	Base to Port (in.)	Piston Rod Dia. (in.)	Piston Rod Protrusion (in.)	Nut Thickness (in.)	(in.)	(sq. in.)	(psi)	(tons)	(lbs.)
55	2.0	R552L	22.1	6.38	8.38	4.94	1.00	3.75	0.13	1.44	3.75	11.04	9,964	55.2	33.7
	6.0	R556L	66.3	10.38	16.38	4.94	1.00	3.75	0.13	1.44	3.75	11.04	9,964	55.2	58.0
	10.0	R5510L	110.4	14.38	24.38	4.94	1.00	3.75	0.13	1.44	3.75	11.04	9,964	55.2	80.0
100	2.0	R1002L	41.3	7.25	9.25	6.50	1.00	5.13	0.13	1.75	5.13	20.63	9,695	103.0	66.0
	6.0	R1006L	123.8	11.25	17.25	6.50	1.00	5.13	0.13	1.75	5.13	20.63	9,695	103.0	103.0
	10.0	R10010L	206.3	15.25	25.25	6.50	1.00	5.13	0.13	1.75	5.13	20.63	9,695	103.0	142.0
150	2.0	R1502L	61.4	8.13	10.13	8.06	1.25	6.25	0.13	1.75	6.25	30.68	9,778	153.4	117.0
	6.0	R1506L	184.1	12.13	18.13	8.06	1.25	6.25	0.13	1.75	6.25	30.68	9,778	153.4	177.0
	10.0	R15010L	306.8	16.13	23.13	8.06	1.25	6.25	0.13	1.75	6.25	30.68	9,778	153.4	235.0
200	2.0	R2002L	82.6	9.50	11.50	9.25	1.63	7.25	0.13	2.00	7.25	41.28	9,690	206.4	183.0
	6.0	R2006L	247.7	13.50	19.50	9.25	1.63	7.25	0.13	2.00	7.25	41.28	9,690	206.4	259.0
	8.0	R2008L	330.3	15.50	23.50	9.25	1.63	7.25	0.13	2.00	7.25	41.28	9,690	206.4	265.0
280	2.0	R2802L	113.5	9.75	11.75	10.88	1.63	8.50	0.13	2.25	8.50	56.74	9,870	283.7	261.0
	6.0	R2806L	340.4	13.75	19.75	10.88	1.63	8.50	0.13	2.25	8.50	56.74	9,870	283.7	359.0
	10.0	R28010L	567.4	17.75	27.75	11.75	1.63	8.50	0.13	2.25	8.50	56.74	9,870	283.7	459.0
355	2.0	R3552L	141.8	11.50	13.50	11.75	2.13	9.50	0.13	2.38	9.50	70.88	10,017	354.4	381.0
	6.0	R3556L	425.3	15.50	21.50	11.75	2.13	9.50	0.13	2.38	9.50	70.88	10,017	354.4	512.0
430	2.0	R4302L	173.2	13.13	15.13	13.00	2.50	10.50	0.13	2.75	10.50	86.59	9,932	433.0	556.0
	6.0	R4306L	519.5	17.13	23.13	13.00	2.50	10.50	0.13	2.75	10.50	86.59	9,932	433.0	725.0
	10.0	R43010L	865.9	21.13	31.13	13.00	2.50	10.50	0.13	2.75	10.50	86.59	9,932	433.0	894.0
565	2.0	R5652L	226.2	14.63	16.63	14.88	2.75	12.00	0.13	3.13	12.00	113.10	9,991	565.5	811.0
	6.0	R5656L	678.6	18.63	24.63	14.88	2.75	12.00	0.13	3.13	12.00	113.10	9,991	565.5	1031.0
	10.0	R56510L	1131	22.63	32.63	14.88	2.75	12.00	0.13	3.13	12.00	113.10	9,991	565.5	1251.0

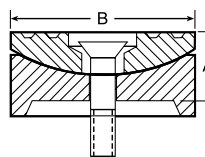
Features

POSITIVE MECHANICAL LOCKING COLLAR TO SUPPORT LOAD.

- Supports lifted load for extended periods of time with hydraulic pressure released.
- Visible indicator band alerts when stroke limit is reached. Overflow port ("weep hole") stroke limiter prevents piston from being overextended.
- All cylinders feature coated pistons to resist corrosion and abrasion.
- Complies with ANSI / ASME B30.1 Safety Standards.



Optional Swivel Load Caps Ordering Info



Cylinder Tonnage	Swivel Cap Order No.	Wt. (lbs.)	A (in.)	B (in.)
55-100	420866	1.8	1.00	2.81
150-200	420867	8.8	1.50	5.13
280	420868	13.5	1.75	5.88
355	420869	37.0	2.75	7.69
430	420870	52.0	3.13	8.88
565	420871	78.0	3.63	9.88

Reduce the effects of off-center loading. Tilt up to 5 degrees. Radial grooves on top of cap reduce load slippage. Notch across face of each cap helps keep loads having a round shaped centered.

Model Shown:
RC2402P

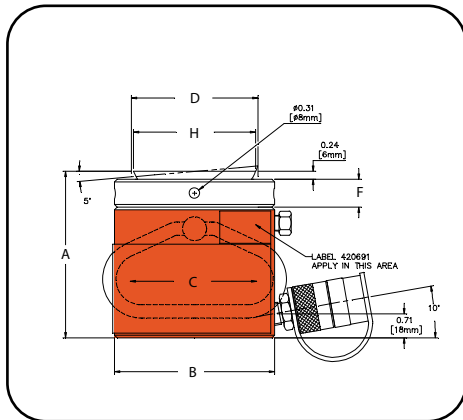


Features

LOW HEIGHT POSITIVE MECHANICAL LOCK TO SUPPORT EXTENDED LOAD HOLDING.

- Compact design where space is limited.
- Locking collar designed to support lifted load for extended periods of time with hydraulic pressure released.
- Integral tilt saddle comes standard and improves performance under side load, reducing the effects of off-center loading
- Overflow port (weep hole) prevents piston from being overextended under load.
- Special coating improves corrosion and abrasion resistance.
- Equipped with 3/8" NPTF female half couplers.

Technical Dimensions



Pancake locking cylinders are ideal for tight quartered locations.



Ordering Information

Cyl. Cap.	Stroke	Order No.	Oil Cap.	A	B	C	D	E	F	G	H	Prod. Wt.
(tons)	(in.)		(cu. in.)	Retracted Height	Outside Dia.	Bore Dia.	Piston Thread Dia.	Base to Port	Nut Thickness	Swivel Cap Protrusion	Swivel Cap Dia.	(lbs.)
55	2.00	RC0552P	21.66	4.92	4.72	3.74	3.74 x 4	0.75	0.83	0.24	3.62	24.25
100	1.75	RC1002P	36.43	5.39	6.50	5.12	5.12 x 6	0.83	1.22	0.31	4.96	48.50
155	1.75	RC1552P	55.23	5.83	8.07	6.30	6.30 x 6	1.06	1.50	0.35	5.83	85.98
240	1.75	RC2402P	86.23	6.10	10.04	7.87	7.87 x 6	1.10	1.57	0.39	6.18	130.07
380	1.75	RC3802P	134.74	7.01	12.60	9.84	9.84 x 6	1.38	1.97	0.43	9.45	242.51
620	1.75	RC6202P	220.78	7.56	15.94	12.60	12.60 x 6	1.50	2.36	0.39	11.61	425.49

Model Shown:

RC7402L, RC9656L



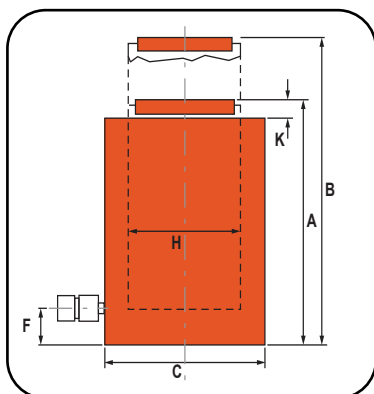
Features

POSITIVE MECHANICAL LOCK TO SUPPORT LOAD.

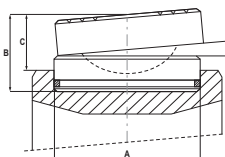
- Supports lifted load for extended periods of time with hydraulic pressure released.
- All cylinders feature coated pistons to resist corrosion and abrasion.
- Visible indicator band alerts when stroke limit is reached. Overflow port (weep hole) stroke limiter prevents piston from being overextended.

Cylinders

Technical Dimensions



Optional Swivel Load Caps Ordering Info



Reduce the effects of off-center loading. Tilt up to 5 degrees. Radial grooves on top of cap reduce load slippage. Notch across face of each cap helps keep loads having a round shaped center.

Used with Cylinder	Swivel Cap Order No.	Wt. (lbs.)	A (in.)	B (in.)	C (in.)
RC740 L, RC965 L	2000824	158.7	11.4	5.5	3.9
RC1220 L	2000825	249.1	12.7	6.9	4.9

Ordering Information

Cyl. Cap.	Stroke	Order No.	Oil Cap.	A	B	C	F	K	L	Piston Thread Dia.	Cylinder Effective Area	Tons at 10,000	Prod. Wt.
(tons)	(in.)		(cu. in.)	Retracted Height (in.)	Extended Height (in.)	Outside Dia. (in.)	Base to Port (in.)	Bore Dia. (in.)	Piston Rod Protrusion (in.)	(in.)	(sq. in.)	(tons)	(lbs.)
740	2	RC7402L	293	12.0	14.0	16.9	2.6	13.8	0.2	13.8 X 6	149.1	746	756
	6	RC7406L	880	16.5	22.4	16.9	2.6	13.8	0.2	13.8 X 6	149.1	746	1,043
	10	RC74010L	1,468	21.1	30.9	16.9	2.6	13.8	0.2	13.8 X 6	149.1	746	1,332
965	2	RC9652L	383	12.8	14.8	19.3	2.8	15.7	0.2	15.7 X 6	194.7	973	1045
	6	RC9656L	1,150	17.3	23.2	19.3	2.8	15.7	0.2	15.7 X 6	194.7	973	1,418
	10	RC96510L	1,917	21.9	31.7	19.3	2.8	15.7	0.2	15.7 X 6	194.7	973	1,792
1220	2	RC12202L	485	13.4	15.4	21.7	3.1	17.7	0.2	17.7 X 6	246.5	1232	1,501
	6	RC12206L	1,456	19.1	25.0	21.7	3.1	17.7	0.2	17.7 X 6	246.5	1232	1,971
	10	RC122010L	2,426	23.6	33.5	21.7	3.1	17.7	0.2	17.7 X 6	246.5	1232	2,441