

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 1750 to 2450 bar, well-beyond extreme usage.
- Cylinders with gland nuts may be “dead-ended” at 700 bar.
- 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
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	RH	Single-Acting Double-Acting	Spring Hydraulic	100-100 30-200	21-22
	RT	Single-Acting	Spring	17.5-100	23-24
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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 2500 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

Cylinder Effective Area (cm²)

X

Bar from Pump

2. To determine oil

Oil Capacity (cm³)

Cylinder Effective Area (cm²)

X

Cylinder Stroke (cm)

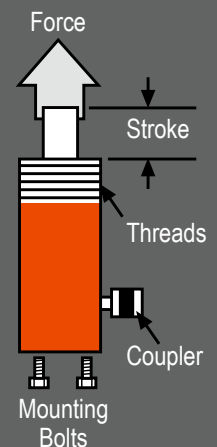
3. To determine reservoir capacity needed for a multiple cylinder system:

Usable Oil

Oil Cap. of Cyl. (cm³)

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 Recommended 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			
		High	7	15	21	30	34	43	77	110	143	200	250			
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		
Electric/ Hydraulic Pumps †	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	19.9
		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	238.6
	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	
	PE60 ‡	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	8.5
		High	1	2.2	3.3	4.4	5.2	6.5	11	16.2	21	31	41	63	84	105
	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	8.5
		High	0.5	1.1	1.6	2.2	2.6	3.2	5.5	7.7	10	15	21	30	40	50
PE400	Low	0.1	0.1	0.2	0.2	0.3	0.3	0.6	8	1	1.5	2.1	3	4	5	
	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	14.5	
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	42	56	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	25	34	45	69	92		
Gas/Hydraulic Pumps †	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		
	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	12.5
		High	1.1	2.5	3.5	4.9	5.6	7.1	12.1	17.3	22.5	33.5	45	66	86	109
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	12.5	
	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	46.0	
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	4.9	
	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	15.0	

* 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.



Short Tons (metric tons)	Stroke (mm)	Retracted Height (mm)	Cylinder Movement	Order No.	Page No.
2 (pull)	127,00	233,43	SA	RP25	14
5 (pull)	139,70	301,75	SA	RP55	14

5 (4,5)	14,22	41,40	SA	RLS50	18
	25,40	111,25	SA	C51C	12
	82,55	165,10	SA	C53C	12
	133,35	215,90	SA	C55C	12
	133,35	266,70	SA	C55CBT	13
	184,15	273,05	SA	C57C	12
	234,95	323,85	SA	C59C	12

10 (9)	11,18	44,45	SA	RLS100	18
	25,40	92,20	SA	C101C	12
	38,10	88,90	SA	RSS101	20
	54,10	120,65	SA	C102C	12
	63,50	133,35	SA	RH102	21
	104,90	171,45	SA	C104C	12
	155,70	247,65	SA	C106C	12
	155,70	292,10	SA	C106CBT	13
	158,75	296,93	DA	RD106	34
	203,20	287,27	SA	RH108	21
	206,50	298,45	SA	C108C	12
	254,00	398,53	DA	RD1010	34
	257,30	349,25	SA	C1010C	12
	257,30	393,70	SA	C1010CBT	13
	308,10	400,05	SA	C1012C	12
	358,90	450,85	SA	C1014C	12

12 (10,9)	7,87	55,63	SA	RH120	21
	41,40	122,17	SA	RH121	21
	41,40	122,17	SA	RH121T	21
	76,20	184,15	SA	RH123	21

15 (13,6)	25,40	123,95	SA	C151C	12
	54,10	149,35	SA	C152C	12
	104,90	200,15	SA	C154C	12
	155,70	271,53	SA	C156C	12
	206,50	322,33	SA	C158C	12
	257,30	373,13	SA	C1510C	12
	308,10	423,93	SA	C1512C	12
	358,90	474,73	SA	C1514C	12
406,40	522,22	SA	C1516C	12	

17,5 (15,9)	50,80	174,75	DA	RT172	24
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20 (18,1)	11,18	50,80	SA	RLS200	18
	44,45	95,25	SA	RSS202	20
	50,80	155,70	SA	RH202	21
	54,10	162,05	SA	RA202	17
	76,20	153,92	SA	RH203	21
	104,90	212,85	SA	RA204	17
	152,40	308,10	SA	RH206	21
	155,70	263,65	SA	RA206	17

25 (22,7)	25,40	139,70	SA	C251C	12
	50,80	165,10	SA	C252C	12
	101,60	215,90	SA	C254C	12
	158,75	273,05	SA	C256C	12
	158,75	339,85	SA	C256CBT	13
	158,75	314,45	DA	RD256	34
	209,55	323,85	SA	C258C	12
	260,35	374,65	SA	C2510C	12
	311,15	425,45	SA	C2512C	12
	358,90	476,25	SA	C2514C	12
	358,90	517,65	DA	RD2514	34
358,90	543,05	SA	C2514CBT	13	

30 (27,2)	12,70	58,67	SA	RLS300	18
	54,10	187,45	SA	RA302	17
	61,98	117,60	SA	RSS302	20
	63,50	158,75	SA	RH302	21
	63,50	214,38	DA	RT302	24
	76,20	179,32	SA	RH303	22
	104,90	238,25	SA	RA304	17
	149,35	282,70	SA	RHA306	21
	152,40	247,65	SA	RH306	21
	152,40	280,92	DA	RH306D	22
	155,70	289,05	SA	RA306	17
	209,55	325,12	SA	C308C	12
	257,30	438,15	DA	RH3010	22

50 (45,4)	16,00	66,80	SA	RLS500S	18
	60,45	127,00	SA	RSS502	20
	76,20	181,10	SA	RH503	21
	76,20	268,22	DA	RT503	24

55 (49,9)	50,80	125,48	SA	R552C	35
	50,80	162,05	SA	R552L	40
	50,80	174,75	SA	C552C	12
	50,80	199,14	DA	RDG552	30
	50,80	199,14	SA	RG552	26
	54,10	171,45	SA	RA552	17
	101,60	249,94	DA	RDG554	30
	101,60	249,94	SA	RG554	26
	104,90	222,25	SA	RA554	17
	107,95	231,90	SA	C554C	12
	152,40	227,08	SA	R556C	35
	152,40	263,65	SA	R556L	40
	152,40	300,74	DA	RDG556	30
	152,40	300,74	SA	RG556	26
	155,70	273,05	SA	RA556	17
	155,70	317,50	SA	RA556L	39
	158,75	282,70	SA	C556C	12
	158,75	329,44	DA	RD556	34
	203,20	351,54	DA	RDG558	30
	203,20	351,54	SA	RG558	26
	254,00	328,93	SA	R5510C	35
	254,00	365,25	SA	R5510L	40
	254,00	384,30	SA	RA5510	17
	254,00	402,34	DA	RDG5510	30
	254,00	402,34	SA	RG5510	26
	260,35	384,30	SA	C5510C	12
	304,80	453,14	DA	RDG5512	30
	304,80	453,14	SA	RG5512	26
330,20	478,54	DA	RDG5513	30	
330,20	478,54	SA	RG5513	26	
333,50	503,94	DA	RD5513	34	
336,55	460,50	SA	C5513C	12	
355,60	503,94	DA	RDG5514	30	
355,60	503,94	SA	RG5514	26	
460,50	657,35	DA	RD5518	34	

60 (54,4)	76,20	234,95	SA	RH603	21
	101,60	241,30	DA	RHA604D	22
	127,00	241,30	DA	RH605	22
	152,40	317,50	SA	RH606	21
	257,30	458,72	DA	RH6010	22

75 (68)	16,00	79,50	SA	RLS750S	18
	50,80	211,07	DA	RDG752	30
	50,80	211,07	SA	RG752	26
	101,60	261,87	DA	RDG754	30
	101,60	261,87	SA	RG754	26
	152,40	312,67	DA	RDG756	30
	152,40	312,67	SA	RG756	26
	155,70	314,45	SA	C756C	12

75 (68)	203,20	363,47	DA	RDG758	30
	203,20	363,47	SA	RGG758	26
	254,00	414,27	DA	RDG7510	30
	254,00	414,27	SA	RGG7510	26
	304,80	465,07	DA	RDG7512	30
	304,80	465,07	SA	RGG7512	26
	330,20	490,47	DA	RDG7513	30
	330,20	490,47	SA	RGG7513	26
	333,50	492,25	SA	C7513C	12
	355,60	515,87	DA	RDG7514	30
	355,60	515,87	SA	RGG7514	26

80 (72,6)	333,50	517,65	DA	RD8013	34
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100 (90,7)	16,00	85,85	SA	RLS1000S	18
	38,10	144,53	SA	RSS1002D	20
	38,10	165,10	DA	RH1001	22
	50,80	139,70	SA	R1002C	35
	50,80	168,66	DA	R1002D	36
	50,80	184,15	SA	R1002L	40
	50,80	219,20	SA	C1002C	12
	50,80	220,98	DA	RDG1002	30
	50,80	220,98	SA	RG1002	26
	54,10	196,85	SA	RA1002	17
	57,15	139,70	SA	RSS1002	20
	76,20	254,00	SA	RH1003	21
	101,60	271,78	DA	RDG1004	30
	101,60	271,78	SA	RG1004	26
	123,95	384,30	DA	RT1004	24
	152,40	241,30	SA	R1006C	35
	152,40	270,26	DA	R1006D	36
	152,40	285,75	SA	R1006L	40
	152,40	314,45	DA	RH1006	22
	152,40	322,58	DA	RDG1006	30
	152,40	322,58	SA	RG1006	26
	158,75	298,45	SA	RA1006	17
	158,75	339,85	SA	RA1006L	39
	168,40	336,55	SA	C1006C	12
	168,40	350,01	DA	RD1006	34
	203,20	373,38	DA	RDG1008	30
	203,20	373,38	SA	RG1008	26
	254,00	371,86	DA	R10010D	36
	254,00	387,35	SA	R10010L	40
	254,00	424,18	DA	RDG10010	30
	254,00	424,18	SA	RG10010	26
	257,30	503,17	DA	RH10010	22
	260,35	397,00	SA	RA10010	17
	260,35	428,75	SA	C10010C	12
	304,80	474,98	DA	RDG10012	30
	304,80	474,98	SA	RG10012	26
	330,20	500,38	DA	RDG10013	30
	330,20	500,38	SA	RG10013	26
	333,50	515,11	DA	RD10013	34
	355,60	525,78	DA	RDG10014	30
	355,60	525,78	SA	RG10014	26
	511,30	718,31	DA	RD10020	34

150 (136,1)	14,22	101,60	SA	RLS1500S	18
	50,80	162,05	SA	R1502C	35
	50,80	188,98	DA	R1502D	36
	50,80	206,50	SA	R1502L	40
	50,80	238,00	DA	RDG1502	30
	50,80	238,00	SA	RG1502	26
	101,60	288,80	DA	RDG1504	30
	101,60	288,80	SA	RG1504	26
	127,00	308,10	DA	RH1505	22
	152,40	263,65	SA	R1506C	35
	152,40	290,58	DA	R1506D	36
	152,40	308,10	SA	R1506L	40
	152,40	339,60	DA	RDG1506	30

SA - Single-Acting
DA - Double-Acting



Short Tons (metric tons)	Stroke (mm)	Re-tracted Height (mm)	Cylinder Movement	Order No.	Page No.
150 (136,1)	152,40	339,60	SA	RGG1506	26
	168,40	377,95	DA	RD1506	34
	203,20	349,25	DA	RH1508	22
	203,20	390,40	DA	RDG1508	30
	203,20	390,40	SA	RGG1508	26
	254,00	365,25	SA	R15010C	35
	254,00	409,70	SA	R15010L	40
	254,00	441,20	DA	RDG15010	30
	254,00	441,20	SA	RGG15010	26
	304,80	492,00	DA	RDG15012	30
	304,80	492,00	SA	RGG15012	26
	330,20	517,40	DA	RDG15013	30
	330,20	517,40	SA	RGG15013	26
	333,50	543,05	DA	RD15013	34
	355,60	542,80	DA	RDG15014	30
	355,60	542,80	SA	RGG15014	26
	460,50	673,86	DA	RD15018	34

200 (181,4)	50,80	190,50	SA	R2002C	35
	50,80	206,76	DA	R2002D	36
	50,80	241,30	SA	R2002L	40
	50,80	255,02	DA	RDG2002	30
	50,80	255,02	SA	RGG2002	26
	101,60	305,82	DA	RDG2004	30
	101,60	305,82	SA	RGG2004	26
	152,40	292,10	SA	R2006C	35
	152,40	308,36	DA	R2006D	36
	152,40	342,90	SA	R2006L	40
	152,40	356,62	DA	RDG2006	30
	152,40	356,62	SA	RGG2006	26
	168,40	406,40	DA	RDG2006	34
	203,20	393,70	SA	R2008L	40
	203,20	407,92	DA	RH2008	22
	203,20	407,42	DA	RDG2008	30
	203,20	407,42	SA	RGG2008	26
	254,00	409,96	DA	R20010D	36
	254,00	458,22	DA	RDG20010	30
	254,00	458,22	SA	RGG20010	26
	330,20	509,02	DA	RDG20013	30
	330,20	509,02	SA	RGG20013	26
	333,50	571,50	DA	RD20013	34
	355,60	559,82	DA	RDG20014	30
355,60	559,82	SA	RGG20014	26	
460,50	723,90	DA	RD20018	34	

250 (226,8)	50,80	261,62	DA	RDG2502	32
	50,80	261,62	SA	RGG2502	28
	76,20	290,58	SA	RSS2503	20
	101,60	312,42	DA	RDG2504	32
	101,60	312,42	SA	RGG2504	28
	152,40	363,22	DA	RDG2506	32
	152,40	363,22	SA	RGG2506	28
	203,20	414,02	DA	RDG2508	32
	203,20	414,02	SA	RGG2508	28
	254,00	464,82	DA	RDG25010	32
	254,00	464,82	SA	RGG25010	28
	304,80	515,62	DA	RDG25012	32
	304,80	515,62	SA	RGG25012	28
	330,20	541,02	DA	RDG25013	32
	330,20	541,02	SA	RGG25013	28
	355,60	566,42	DA	RDG25014	32
	355,60	566,42	SA	RGG25014	28

280 (254)	50,80	190,50	SA	R2802C	35
	50,80	233,68	DA	R2802D	36
	50,80	247,65	SA	R2802L	40
	152,40	292,10	SA	R2806C	35
	152,40	335,28	DA	R2806D	36
	152,40	349,25	SA	R2806L	40
	254,00	436,88	DA	R28010D	36
	254,00	450,85	SA	R28010L	40

300 (272,1)	50,80	272,80	DA	RDG3002	32
	50,80	272,80	SA	RGG3002	28
	101,60	323,60	DA	RDG3004	32
	101,60	323,60	SA	RGG3004	28
	152,40	374,40	DA	RDG3006	32
	152,40	374,40	SA	RGG3006	28
	152,40	438,91	DA	RD3006	34
	203,20	425,20	DA	RDG3008	32
	203,20	425,20	SA	RGG3008	28
	254,00	476,00	DA	RDG30010	32
	254,00	476,00	SA	RGG30010	28
	304,80	526,80	DA	RDG30012	32
	304,80	526,80	SA	RGG30012	28
	330,20	552,20	DA	RDG30013	32
330,20	552,20	SA	RGG30013	28	
330,20	630,17	DA	RD30013	34	
355,60	577,60	DA	RDG30014	32	
355,60	577,60	SA	RGG30014	28	

355 (322,1)	50,80	231,90	SA	R3552C	35
	50,80	289,05	DA	R3552D	36
	50,80	292,10	SA	R3552L	40
	152,40	333,50	SA	R3556C	35
	152,40	390,65	DA	R3556D	36
	152,40	393,70	SA	R3556L	40
	254,00	435,10	SA	R35510C	35

400 (362,9)	50,80	306,58	DA	RDG4002	32
	50,80	306,58	SA	RGG4002	28
	101,60	357,38	DA	RDG4004	32
	101,60	357,38	SA	RGG4004	28
	152,40	408,18	DA	RDG4006	32
	152,40	408,18	SA	RGG4006	28
	152,40	489,71	DA	RD4006	34
	203,20	458,98	DA	RDG4008	32
	203,20	458,98	SA	RGG4008	28
	254,00	509,78	DA	RDG40010	32
	254,00	509,78	SA	RGG40010	28
	304,80	560,58	DA	RDG40012	32
	304,80	560,58	SA	RGG40012	28
	330,20	585,98	DA	RDG40013	32
330,20	585,98	SA	RGG40013	28	
330,20	667,51	DA	RD40013	34	
355,60	611,38	DA	RDG40014	32	
355,60	611,38	SA	RGG40014	28	

430 (390,1)	50,80	263,65	SA	R4302C	35
	50,80	312,67	DA	R4302D	36
	50,80	333,50	SA	R4302L	40
	152,40	365,25	SA	R4306C	35
	152,40	414,27	DA	R4306D	36
	152,40	435,10	SA	R4306L	40
	254,00	515,87	DA	R43010D	36
	254,00	536,70	SA	R43010L	40

500 (453,6)	50,80	311,91	DA	RDG5002	32
	50,80	311,91	SA	RGG5002	28
	101,60	311,91	DA	RDG5004	32
	101,60	362,71	SA	RGG5004	28
	152,40	413,51	DA	RDG5006	32
	152,40	413,51	SA	RGG5006	28
	152,40	522,22	DA	RDG5006	34
	203,20	464,31	DA	RDG5008	32
	203,20	464,31	SA	RGG5008	28
	254,00	515,11	DA	RDG50010	32
	254,00	515,11	SA	RGG50010	28
	304,80	565,91	DA	RDG50012	32
	304,80	565,91	SA	RGG50012	28
	330,20	591,31	DA	RDG50013	32
330,20	591,31	SA	RGG50013	28	
330,20	700,02	DA	RD50013	34	
355,60	616,71	DA	RDG50014	32	
355,60	616,71	SA	RGG50014	28	

565 (512,6)	50,80	292,10	SA	R5652C	35
	50,80	345,19	DA	R5652D	36
	50,80	371,60	SA	R5652L	40
	152,40	393,70	SA	R5656C	35
	152,40	446,79	DA	R5656D	36
	152,40	473,20	SA	R5656L	40
	254,00	495,30	SA	R56510C	35
	254,00	548,39	DA	R56510D	36
254,00	574,80	SA	R56510L	40	

600 (544,1)	50,80	324,10	DA	RDG6002	32
	50,80	324,10	SA	RGG6002	28
	101,60	374,90	DA	RDG6004	32
	101,60	374,90	SA	RGG6004	28
	152,40	425,70	DA	RDG6006	32
	152,40	425,70	SA	RGG6006	28
	203,20	476,50	DA	RDG6008	32
	203,20	476,50	SA	RGG6008	28
	254,00	527,30	DA	RDG60010	32
	254,00	527,30	SA	RGG60010	28
	304,80	578,10	DA	RDG60012	32
	304,80	578,10	SA	RGG60012	28
	330,20	603,50	DA	RDG60013	32
	330,20	603,50	SA	RGG60013	28
355,60	628,90	DA	RDG60014	32	
355,60	628,90	SA	RGG60014	28	

740-1220 (671,3 - 1106,8)	50,8	—	SA	RC_C	37
	152,4	—	SA	RC_C	37
	254,0	—	SA	RC_C	37
	50,4	—	DA	RC_D	38
	152,4	—	DA	RC_D	38
	254,0	—	DA	RC_D	38
50,4	—	SA	RC_L	42	
152,4	—	SA	RC_L	42	
254,0	—	SA	RC_L	42	

SA - Single-Acting
DA - Double-Acting

Model Shown:
Various Types of C-Series



>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.
- Removeable rubber boots protects 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.

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



Best Practice for Cylinder Selection



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

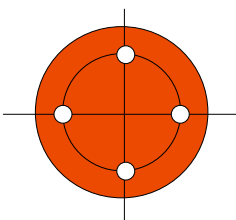


Optional Cylinders Lifting Handle



Order Number: 420655OR9
Lifting handle for "C" series, 25 ton cylinders

▶ **Technical Dimensions, Base Mounting Holes**



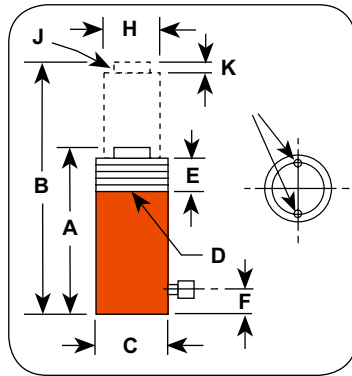
Cylinder Tonnage	5	10	15	25	30	55	75*	100*
# of Holes	2†	2†	2†	2†	2†	2†	4	4
Thread Size	1/4 - 20	5/16 - 18	3/8 - 16	1/2 - 13	1/2-13	1/2 - 13	3/4 - 10	1 - 8
Thread Depth (mm)	9,50	12,70	12,70	19,10	19,10	19,10	25,40	25,40
Bolt Circle Diameter (mm)	25,40	39,70	47,60	58,70	73,66	95,30	114,30	120,70

* Consult Factory (45° from coupler)
† 90° from coupler

► **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
30 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.**



► **Ordering Information**

Cyl. Cap. (ton)	Stroke (mm)	Order No.	Oil Cap. (cm ³)	A		C	D	E	F	H	J	K	Bore Dia. (mm)	Cylinder Effective Area (cm ²)	Metric Tons at 700 (bar)	Prod. Wt. (kg)
				Re-tracted Height (mm)	Ex-tended Height (mm)											
5	25,4	C51C	18	110,3	138,1	38,1	1 1/2-16	28,6	19,1	25,4	3/4-16 x 15,9	6,4	28,6	6,4	4,5	1,0
	82,6	C53C	52	165,1	247,7	38,1	1 1/2-16	28,6	19,1	25,4	3/4-16 x 15,9	6,4	28,6	6,4	4,5	1,5
	133,4	C55C	85	215,9	349,3	38,1	1 1/2-16	28,6	19,1	25,4	3/4-16 x 15,9	6,4	28,6	6,4	4,5	1,8
	184,2	C57C	118	273,1	457,2	38,1	1 1/2-16	28,6	19,1	25,4	3/4-16 x 15,9	6,4	28,6	6,4	4,5	2,3
	235,0	C59C	151	323,9	558,8	38,1	1 1/2-16	28,6	19,1	25,4	3/4-16 x 15,9	6,4	28,6	6,4	4,5	2,6
10	25,4	C101C	36	92,1	117,5	57,2	2 1/4-14	28,6	19,1	38,1	1-8 x 19,1	6,4	42,8	14,4	10,2	1,8
	54,0	C102C	79	122,0	172,8	57,2	2 1/4-14	28,6	19,1	38,1	1-8 x 19,1	6,4	42,8	14,4	10,2	2,3
	104,8	C104C	151	171,5	276,2	57,2	2 1/4-14	28,6	19,1	38,1	1-8 x 19,1	6,4	42,8	14,4	10,2	3,0
	155,6	C106C	225	247,7	403,2	57,2	2 1/4-14	28,6	19,1	38,1	1-8 x 19,1	6,4	42,8	14,4	10,2	4,3
	206,4	C108C	326	298,5	504,8	57,2	2 1/4-14	28,6	19,1	38,1	1-8 x 19,1	6,4	42,8	14,4	10,2	5,0
	257,2	C1010C	370	349,3	606,4	57,2	2 1/4-14	28,6	19,1	38,1	1-8 x 19,1	6,4	42,8	14,4	10,2	5,9
	308,0	C1012C	444	400,1	708,0	57,2	2 1/4-14	28,6	19,1	38,1	1-8 x 19,1	6,4	42,8	14,4	10,2	6,6
	358,8	C1014C	518	450,9	809,6	57,2	2 1/4-14	28,6	19,1	38,1	1-8 x 19,1	6,4	42,8	14,4	10,2	7,3
	406,4	C1016C	592	520,7	927,1	57,2	2 1/4-14	28,6	19,1	38,1	1-8 x 19,1	6,4	42,8	14,4	10,2	8,4
15	25,4	C151C	51	123,8	149,2	69,9	2 3/4-16	28,6	19,1	44,5	1-8 x 19,1	6,4	50,8	20,3	14,2	3,4
	54,0	C152C	110	149,2	203,2	69,9	2 3/4-16	28,6	19,1	44,5	1-8 x 19,1	6,4	50,8	20,3	14,2	4,0
	104,8	C154C	211	200,0	304,8	69,9	2 3/4-16	28,6	19,1	44,5	1-8 x 19,1	6,4	50,8	20,3	14,2	5,2
	155,6	C156C	315	271,4	427,0	69,9	2 3/4-16	28,6	19,1	44,5	1-8 x 19,1	6,4	50,8	20,3	14,2	6,9
	206,4	C158C	418	322,2	528,6	69,9	2 3/4-16	28,6	19,1	44,5	1-8 x 19,1	6,4	50,8	20,3	14,2	8,1
	257,2	C1510C	521	373,0	630,2	69,9	2 3/4-16	28,6	19,1	44,5	1-8 x 19,1	6,4	50,8	20,3	14,2	9,4
	308,0	C1512C	625	423,8	731,8	69,9	2 3/4-16	28,6	19,1	44,5	1-8 x 19,1	6,4	50,8	20,3	14,2	10,5
	358,8	C1514C	728	474,6	833,4	69,9	2 3/4-16	28,6	19,1	44,5	1-8 x 19,1	6,4	50,8	20,3	14,2	11,8
	406,4	C1516C	824	522,3	928,7	69,9	2 3/4-16	28,6	19,1	44,5	1-8 x 19,1	6,4	50,8	20,3	14,2	12,8
25	25,4	C251C	84	139,7	165,1	85,7	3 5/16-12	49,2	25,4	57,2	1 1/2-16 x 25,4	9,5	65,1	33,2	23,4	5,4
	50,8	C252C	169	164,5	215,3	85,7	3 5/16-12	49,2	25,4	57,2	1 1/2-16 x 25,4	9,5	65,1	33,2	23,4	6,3
	101,6	C254C	338	215,9	317,5	85,7	3 5/16-12	49,2	25,4	57,2	1 1/2-16 x 25,4	9,5	65,1	33,2	23,4	8,0
	158,8	C256C	528	273,1	431,8	85,7	3 5/16-12	49,2	25,4	57,2	1 1/2-16 x 25,4	9,5	65,1	33,2	23,4	9,8
	209,6	C258C	697	323,9	533,4	85,7	3 5/16-12	49,2	25,4	57,2	1 1/2-16 x 25,4	9,5	65,1	33,2	23,4	11,6
	260,4	C2510C	865	374,4	635,0	85,7	3 5/16-12	49,2	25,4	57,2	1 1/2-16 x 25,4	9,5	65,1	33,2	23,4	13,3
	311,2	C2512C	1036	425,5	736,0	85,7	3 5/16-12	49,2	25,4	57,2	1 1/2-16 x 25,4	9,5	65,1	33,2	23,4	15,0
30	362,0	C2514C	1205	476,3	838,2	85,7	3 5/16-12	49,2	25,4	57,2	1 1/2-16 x 25,4	9,5	65,1	33,2	23,4	16,7
	209,6	C308C	880	325,1	534,7	101,6	4-12	50,8	25,4	63,5	1 1/2-16 x 22,4	9,7	72,9	41,6	29,2	16,2
	50,8	C552C	362	174,6	225,4	127,0	5-12	55,6	34,9	79,4	None	3,2	95,3	71,2	50,1	14,7
	108,0	C554C	769	231,8	339,7	127,0	5-12	55,6	34,9	79,4	None	3,2	95,3	71,2	50,1	18,7
	158,8	C556C	1131	282,6	441,3	127,0	5-12	55,6	34,9	79,4	None	3,2	95,3	71,2	50,1	23,1
75	260,4	C5510C	1853	384,2	644,5	127,0	5-12	55,6	34,9	79,4	None	3,2	95,3	71,2	50,1	30,4
	336,6	C5513C	2398	460,4	796,9	127,0	5-12	55,6	34,9	79,4	None	3,2	95,3	71,2	50,1	35,3
	155,6	C756C	1596	314,3	469,9	146,1	5 3/4-12	44,5	31,8	95,3	None	3,2	114,3	102,6	72,1	33,3
	333,4	C7513C	3421	492,1	825,5	146,1	5 3/4-12	44,5	31,8	95,3	None	3,2	114,3	102,6	72,1	49,6
	50,8	C1002C	675	219,1	269,9	158,8	6 1/4-12	57,2	41,3	104,8	None	3,2	130,2	133,0	93,6	28,6
100	168,3	C1006C	2245	336,6	504,8	158,8	6 1/4-12	57,2	41,3	104,8	None	3,2	130,2	133,0	93,6	41,3
	260,4	C10010C	3467	428,6	689,0	158,8	6 1/4-12	57,2	41,3	104,8	None	3,2	130,2	133,0	93,6	51,3

Model Shown:
C55CBT, C2514CBT



Features

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

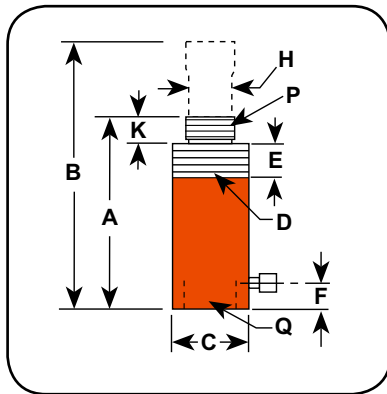
- Threaded cylinder collars, piston rod ends, and internal base threads simplify mounting.
- A 9796 3/8" NPTF female half coupler is standard with each cylinder. Oil port threads are 3/8" NPTF.
- Removable threaded rod cap.
- Factory accessories do not de-rate tonnage.
- Complies with ANSI / ASME B30.1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



Versatility and fixturing capabilities



Technical Dimensions



Analog Gauges



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

- 9040E (63,5 mm)
- 9052E (100 mm)

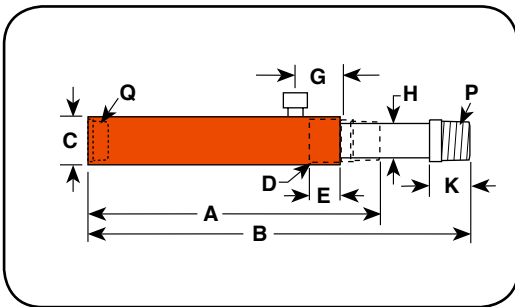
Ordering Information

Cyl Cap.	Stroke	Order No.	Oil Cap.	A	B	C	D	E	F	H	K	P	Q	Bore Dia.	Cylinder Effective Area	Metric Tons at 700	Prod. Wt.
				Re-tracted Height	Ex-tended Height	Outside Dia.	Collar Thread	Collar Thread Length	Base to Port	Piston Rod Dia.	Piston Rod Protru-sion	Piston Rod Thread (NPT)	Internal Base Thread (NPSM)				
(ton)	(mm)		(cm ³)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(in.)	(in.)	(mm)	(cm ²)	(bar)	(kg)
5	133,4	C55CBT	85	266,7	400,1	38,1	1 1/2-16	28,6	47,6	25,4	28,6	3/4-14	3/4-14	28,6	6,4	4,5	2,0
10	155,6	C106CBT	228	292,1	447,7	57,2	2 1/4-14	28,6	42,9	38,1	27,0	1 1/4-11.5	1 1/4-11.5	42,9	14,4	10,2	4,7
	257,2	C1010CBT	375	393,7	650,9	57,2	2 1/4-14	28,6	42,9	38,1	27,0	1 1/4-11.5	1 1/4-11.5	42,9	14,4	10,2	6,3
25	158,8	C256CBT	528	339,7	498,5	85,7	3 5/16-12	49,2	47,6	57,2	47,6	2-11.5	2-11.5	65,1	33,3	23,4	11,1
	362,0	C2514CBT	1205	542,9	904,9	85,7	3 5/16-12	49,2	47,6	57,2	47,6	2-11.5	2-11.5	65,1	33,3	23,4	18,2

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	Metric Tons at 700	Prod. Wt.
				Re-tracted Height	Ex-tended Height	Outside Dia.	Collar Thread	Collar Thread Length									
(ton)	(mm)		(cm ³)	(mm)	(mm)	(mm)	(in.)	(mm)	(mm)	(mm)	(mm)	(in.)	(in.)	(mm)	(cm ²)	(bar)	(kg)
2	127,0	RP25	45	242,9	379,9	44,5	1 1/2 - 16	25,4	42,9	19,1	25,4	3/4 - 14	3/4 - 14	28,6	3,5	2,5	1,8
5	139,7	RP55	102	301,6	441,3	57,2	2 1/4 - 14	25,4	42,9	30,2	34,9	1 1/4 - 11 1/2	1 1/4 - 11 1/2	42,9	7,3	5,1	5,0

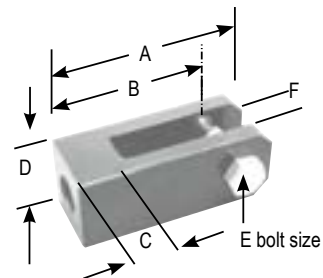
► **Features**

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.



Clevis Ordering Information



Use with Cyl. No.	Order No.	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
RP25	421057*	130,30	109,47	33,27	50,80	19,05	25,40
RP55	421056**	152,40	127,00	38,10	63,50	22,35	31,75

* For base mounting, extension rod 351106 is required.
** For base mounting, extension rod 351075 is required.

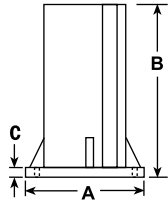


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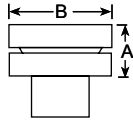
Looking for great safety suggestions? Visit our Resource Section to get a better understanding of hydraulic and mechanical safety insights on what to look for when working around hydraulics.

► **Support Base**



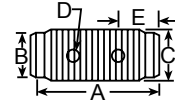
Cylinder Tons	Part No.	A (mm)	B (mm)	C (in.)
10	420062	177,8	177,8	7/16
25	420063	127,0	127,0	7/16

► **Swivel Cap**



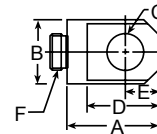
Cylinder Tons	Part No.	A (mm)	B (mm)
10 or 15	350144	22,4	36,5
25	350145	28,7	54,0
55 or 75	350376	31,8	71,4
100	351574	48,5	85,7

► **Threaded Connector**



Cylinder Tons	Part No.	A (mm)	B (mm)	C (in.)	D (mm)	E (mm)
5	25748	44,5	22,4 Dia.	3/4 - 14 NPSM	4,8 Dia.	12,7
10	25664	41,4	36,6 Dia.	1 1/4 - 11 1/2 NPSM	7,9 Dia.	14,2
25	25654	57,2	57,2 Dia.	2 - 11 1/2 NPSM	9,7 Dia.	16,0

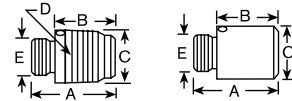
► **Piston Clevis**



Cylinder Tons	Part No.	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (in.)
5	350095	44,5	28,7	16,0	36,6	16,0	3/4 - 16
10 or 15*	350094	65,0	42,9	31,8	58,7	25,4	1 - 8
25**	420059	74,7	57,2	50,8	68,3	31,8	1 1/2 - 16

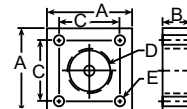
* Can be used with RD106, RD1010 Cylinder.
** RD256 & RD2514

► **Threaded & Plain Adapters**



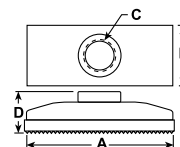
Cylinder Tons	Part No.	A (mm)	B (mm)	C (mm)	D (in.)	E (in.)
5	202178 (threaded)	41,4	28,7	26,9 Dia.	3/4 - 14 NPT	3/4 - 16 UNF-2A
10 or 15*	202179 (threaded)	46,0	26,9	41,4 Dia.	1 1/4 - 11 1/2 NPT	1 - 8 UNC-2A
25	202180 (threaded)	69,9	47,8	60,5 Dia.	2 - 11 1/2 NPT	1 1/2 - 16 UN-2A
10 or 15	350724 (plain)	50,8	31,8	37,6 Dia.	—	1 - 8 UNC-2A
25	350723 (plain)	54,1	31,8	57,2 Dia.	—	1 1/2 - 16 UN-2A

► **Cylinder Mounting Plate**



Cylinder Tons	Part No.	A (mm)	B (mm)	C (mm)	D (in.)	E (mm)
5	350099	76,2	25,4	54,1	1 1/2 - 16 UN-2B	8,6
10	350100	88,9	25,4	66,8	2 1/4 - 14 UNS-2B	8,6
15	350184	88,9	25,4	66,8	2 3/4 - 16 UN-2B	8,6
25	420064	127,0	50,8	100,8	3 5/16 - 12 UN-2B	16,8

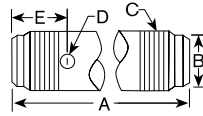
► **Cylinder Flat Base**



Cylinder Tons	Part No.	A (mm)	B (mm)	C (in.)	D (mm)
5	25750	114,3	63,5	3/4 - 14 NPSM	34,0
10 or 15*	32325	9,5	88,9	1 1/4 - 11 1/2 NPSM	36,6

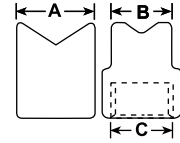
* Items require threaded adapter when used with "C" series cylinders. Can be used on threaded "CBT" cylinders without the use of an adapter.

► Extension Rod



Cylinder Tons	Part No.	A	B	C	D	E
		(mm)	(mm)	(in.)	(mm)	(mm)
5	350895	127,0	22,4 Dia.	3/4 - 14 NPT	8,4 Dia.	50,8
5	38908	254,0	22,4 Dia.	3/4 - 14 NPT	8,4 Dia.	50,8
5	350896	457,2	22,4 Dia.	3/4 - 14 NPT	8,4 Dia.	50,8
10	350897	127,0	36,6 Dia.	1 1/4 - 11 1/2 NPT	8,4 Dia.	50,8
10	38909	254,0	36,6 Dia.	1 1/4 - 11 1/2 NPT	8,4 Dia.	50,8
10	350898	457,2	36,6 Dia.	1 1/4 - 11 1/2 NPT	8,4 Dia.	50,8

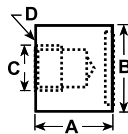
► 90° "V" Base



Cylinder Tons	Part No.	A	B	C
		(mm)	(mm)	(in.)
5	25388*	35,1	26,9	3/4 - 14 NPSM
10	25395*	54,1	54,1	1 1/4 - 14 NPSM

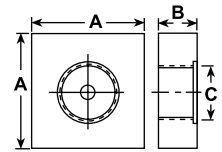
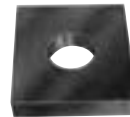
* Items require threaded adapter when used with "C" series cylinders. They may be used on threaded "CBT" cylinders without the use of an adapter.

► Cylinder Base Attachment



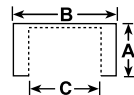
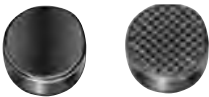
Cylinder Tons	Part No.	A	B	C	D
		(mm)	(mm)	(in.)	(mm / in.)
5	208380	41,4	44,5 Dia.	3/4 - 14 NPSM	7,1 Dia. (2) 1/4 - 20 UNC x 3/4 Lg. Socket Head Cap Screws
10	208381	47,8	63,5 Dia.	1 1/4 - 11 1/2 NPSM	8,6 Dia. (2) 5/16 - 18 UNC x 3/4 Lg. Socket Head Cap Screws
25	208382	60,5	85,9 Dia.	2 - 11 1/2 NPSM	13,5 Dia. (2) 1/2 - 13 UNC x 1 Lg. Socket Head Cap Screws

► Plunger Base



Cylinder Tons	Part No.	A	B	C
		(mm)	(mm)	(in.)
25	25652	152,4	31,8	2 - 11 1/2 NPSM

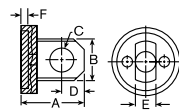
► Plain & Serrated Saddles



Cylinder Tons	Part No.	A	B	C
		(mm)	(mm)	(in.)
5	25746* (serrated)	28,7	33,3 Dia.	3/4 - 14 NPSM
10 or 15*	31772* (serrated)	28,7	50,8 Dia.	1 1/4 - 11 1/2 NPSM
25	31776* (serrated)	33,3	76,2 Dia.	2 - 11 1/2 NPSM
5	351575* (plain)	28,7	33,3 Dia.	3/4 - 14 NPSM
10	24016* (plain)	28,7	50,8 Dia.	1 1/4 - 11 1/2 NPSM
25	351576* (plain)	33,3	76,2 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	B	C	D	E	F
		(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
5	350096	52,3	28,7	16,0	16,0	14,2	6,4
10	350097	76,2	42,9	22,4	25,4	25,4	6,4
15	350098	77,7	42,9	22,4	25,4	25,4	6,4
25	420061	90,4	57,2	31,8	31,8	31,8	6,4

† Mounting screws are included.

Model Shown:

RA552, RA1006

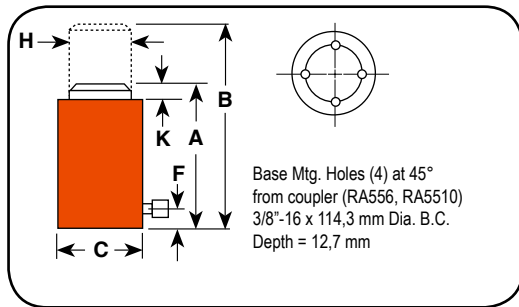


Features

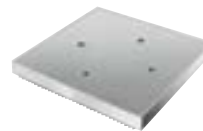
LIGHTWEIGHT DESIGN, EASY TO TRANSPORT AND POSITION.

- 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.

Technical Dimensions



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, 317cm².



Optional Cylinders Lifting Handles



Order Number: 420496BK2
Lifting handle for RA552, RA554 cylinders

Order Number: 420498BK2
Lifting handle for RA1002, RA10010 cylinders

Ordering Information

Cyl. Cap.	Stroke	Order No.	Oil Cap.	A	B	C	F	H	K	Bore Dia.	Cylinder Effective Area	Metric Tons at 700	Prod. Wt .
				Retracted Height	Extended Height	Outside Dia.	Base to Port	Piston Rod Dia.	Piston Rod Protrusion				
(ton)	(mm)		(cm ³)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(cm ²)	(bar)	(kg)
20	54,0	RA202	154	161,9	215,9	95,3	31,8	50,8	7,9	60,3	28,6	20,1	3,5
	104,8	RA204	300	212,7	317,5	95,3	31,8	50,8	7,9	60,3	28,6	20,1	4,2
	155,6	RA206	445	263,5	419,1	95,3	31,8	50,8	7,9	60,3	28,6	20,1	5,1
30	54,0	RA302	226	187,3	241,3	108,0	31,8	63,5	9,5	73,0	41,9	29,4	5,0
	104,8	RA304	439	238,1	342,9	108,0	31,8	63,5	9,5	73,0	41,9	29,4	5,9
	155,6	RA306	652	288,9	444,5	108,0	31,8	63,5	9,5	73,0	41,9	29,4	6,8
55	54,0	RA552	386	171,5	225,4	133,4	34,9	79,4	6,4	95,3	71,2	50,1	7,3
	104,8	RA554	746	222,3	327,0	133,4	34,9	79,4	6,4	95,3	71,2	50,1	8,9
	155,6	RA556*	1109	273,1	428,6	133,4	34,9	79,4	6,4	95,3	71,2	50,1	10,9
	254,0	RA5510*	1811	384,2	638,2	133,4	34,9	79,4	6,4	95,3	71,2	50,1	14,4
100	54,0	RA1002	718	196,9	250,8	187,3	30,2	104,8	3,2	130,2	133,0	93,5	15,1
	158,8	RA1006*	2116	298,5	457,2	187,3	30,2	104,8	3,2	130,2	133,0	93,5	22,6
	260,4	RA10010*	3463	396,9	655,3	187,3	30,2	104,8	5,6	130,2	133,0	93,5	30,4

* Equipped with carrying handles.

Model Shown:
RLS100



Features

IDEAL LOW CLEARANCE OR TIGHT CONSTRAINT APPLICATIONS REQUIRING HIGH FORCES.

- Low height starting at 41,3 to 101,6 mm.
- 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, except RLS50.
- Complies with ANSI / ASME B30.1 safety standards.

▶ RLS200 used in this lifting application.

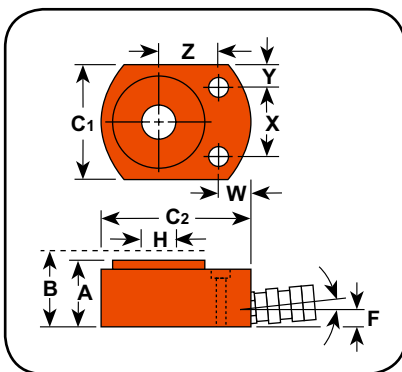


RLS1000S (with swivel load cap)



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

▶ **Technical Dimensions**



Mounting holes for “RLS” cylinders

Order Number	C' Bore	Depth	"Thru Hole "
	(mm)	(mm)	(mm)
RLS50	8,6	6,4	5,6
RLS100	10,7	8,7	7,1
RLS200	15,5	10,4	10,4
RLS300	15,5	11,2	10,4
RLS500S	17,8	12,7	11,9
RLS750S	20,3	14,2	13,5
RLS1000S	20,3	14,2	13,5
RLS1500S	20,3	14,2	13,5

▶ **Ordering Information**

Cyl. Cap.	Stroke	Order No.	Oil Cap.	A	B	C1 C2		F	H	W	X Y Z				Bore Dia.	Cylinder Effective Area	Metric Tons at 700	Prod. Wt.
				Retract-ed Height	Extend-ed Height	Outside Dia.					Base to Port	Piston Rod Dia.	Mounting Hole Location					
(ton)	(mm)		(cm³)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(cm²)	(bar)	(kg)	
5	14,3	RLS50	10	41,3	55,6	41,3	65,1	19,1	15,9	19,1	28,6	6,4	25,4	28,6	6,4	4,5	1,0	
10	11,1	RLS100	17	44,5	55,6	55,6	82,6	15,9	19,1	17,5	36,5	9,5	33,3	42,9	14,4	10,1	1,5	
20	11,1	RLS200	33	50,8	61,9	76,2	101,6	16,7	28,6	18,3	49,2	13,5	39,7	60,3	28,6	20,1	2,5	
30	12,7	RLS300	53	58,7	71,4	95,3	114,3	18,3	34,9	20,6	52,4	21,4	44,5	73,0	41,9	29,5	3,9	
50	15,9	RLS500S	99	66,7	82,6	114,3	139,7	21,4	44,5	23,8	66,7	23,8	54,0	88,9	62,1	43,6	6,3	
75	15,9	RLS750S	163	79,4	95,3	140,5	165,1	25,4	54,0	23,8	76,2	32,1	65,9	114,3	102,6	72,2	10,6	
100	15,9	RLS1000S	202	85,7	101,6	152,4	177,8	25,4	63,5	20,6	76,2	38,1	71,	127,0	126,6	89,1	13,6	
150	14,3	RLS1500S	282	101,6	115,9	190,5	215,9	33,3	76,5	33,3	117,5	36,5	79,4	158,8	197,9	139,2	23,6	

Model Shown:

RSS2503, RSS302

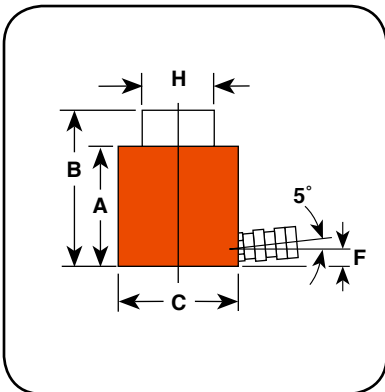


Features

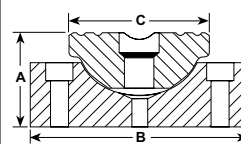
IDEAL FOR CONFINED AREAS WITH 88,9 TO 290,5 MM CLEARANCE.

- "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.

Technical Dimensions



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. (kg)	A (mm)	B (mm)	C (mm)
RSS101	350320	0,2	25,4	36,6	36,6
RSS202	350321	0,6	35,1	54,1	54,1
RSS302	350322	0,7	35,1	63,5	54,1
RSS502	350331	1,2	36,6	82,6	54,1
RSS1002	350332	3,0	46,0	111,3	85,7

Ordering Information

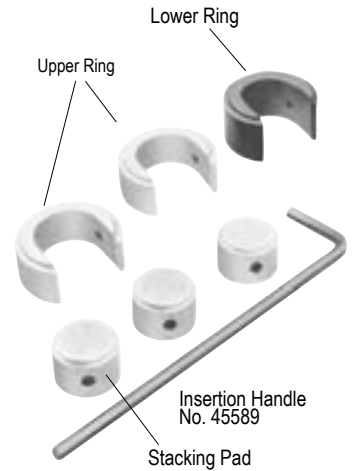
Cyl. Cap. (ton)	Stroke (mm)	Order No.	Oil Cap.		A	B	C	F	H	Bore Dia. (mm)	Cylinder Effective Area (cm²)	Metric Tons at 700 (bar)	Prod. Wt. (kg)
			(cm³)		Retracted Height (mm)	Extended Height (mm)	Outside Dia. (mm)	Base to Port (mm)	Piston Rod Dia. (mm)				
			Push	Return	(mm)	(mm)	(mm)	(mm)	(mm)				
10	38,1	RSS101	56	-	88,9	127,0	69,9	15,9	38,1	42,9	14,4	10,2	2,7
20	44,5	RSS202	126	-	95,3	139,7	90,5	15,9	54,8	60,3	28,6	20,0	4,5
30	62,0	RSS302	259	-	117,5	179,4	101,6	15,9	63,5	73,0	41,9	29,5	6,7
50	60,5	RSS502	374	-	127,0	187,3	123,8	19,1	79,4	88,9	62,0	43,6	10,5
100	57,2	RSS1002	725	-	139,7	196,9	168,3	23,8	111,1	127,0	126,6	89,1	21,4
100	38,1	RSS1002D*	482	212	144,5	182,6	174,6	23,8*	95,3	127,0	126,6	89,1	24,7
250	76,2	RSS2503	2469	-	290,5	366,7	250,8	36,0	139,7	203,2	323,9	227,8	99,7

* 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	2	3
Outside Diameter	(mm)	114,30	114,30	69,85	139,70	139,70	85,85	187,71	187,71	120,7
Inside Diameter	(mm)	71,37	71,37	–	87,63	87,63	–	122,17	122,17	–
Height, each	(mm)	57,91	45,72	45,21	56,39	43,69	42,93	54,10	44,45	43,7
Total stacked height of rings in set	(mm)	149,35			143,76			187,45		
Weight of set	(kg)	9,1			12,7			29		

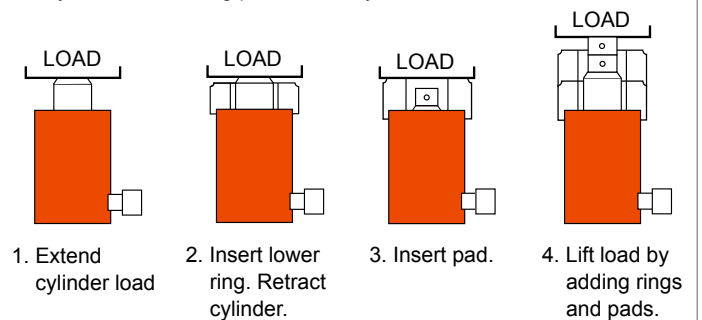
Note: Each set includes one Insertion Handle 45589 - 0.5" Hex x 18" Long, 4" Bend

► **RSS302 is perfect for any bridge construction application.**



Cribbing Block Operation

Convert Power Team "Shorty" cylinders to mechanical cribbing devices. They are more stable and safe than timber or other awkward, make-shift 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:

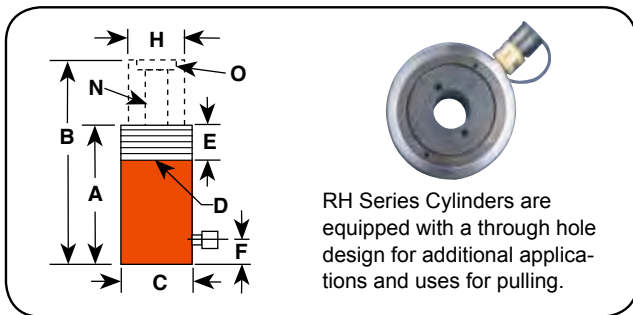


Model shown:

RH203, RH503



Technical Dimensions



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



Lifting handle for RH303, RH306, RH306D and RHA306
Order Number: 252215

Ordering Information

Cyl. Cap. (ton)	Stroke (mm)	Order No.	Oil Cap. (cm ³)	A	B	C	D	E	F	H	N	O	Mounting Holes and Bolt Circle (in.)	Cylinder Effective Area (cm ²)	Metric Tons at 700 (bar)	Prod. Wt. (kg)
				Re-tracted Height (mm)	Ex-tended Height (mm)	Outside Dia. (mm)	Collar Thread (in.)	Collar Thread Length (mm)	Base to Port (mm)	Piston Rod Dia. (mm)	Center Hole Dia. (mm)	Insert Thread Size (in.)				
10	65,3	RH102	91	134,9	198,4	76,2	-	-	25,4	52,4	19,4	1 3/4 - 12	1/4-20 x 60,3	14,3	10,0	4,1
	203,2	RH108	290	287,3	490,5	76,2	-	-	25,4	52,4	19,4	1 3/4 - 12	1/4-20 x 60,3	14,3	10,0	8,5
12	7,9	RH120**	14	55,6	63,5	69,9	2 3/4 - 16	31,8	9,5	34,9	17,5	3/4 - 16	5/16-18 x 50,8	17,8	12,5	1,4
	41,3	RH121	74	122,2	163,5	69,9	2 3/4 - 16	31,8	25,4	34,9	20,2	-	-	17,8	12,5	3,0
	41,3	RH121T**	74	122,2	163,5	69,9	2 3/4 - 16	31,8	25,4	34,9	17,5	3/4 - 16	5/16-18 x 50,8	17,8	12,5	3,0
	76,2	RH123	136	184,2	260,4	69,9	2 3/4 - 16	20,6	25,4	34,9	20,6	-	-	17,8	12,5	4,0
20	50,8	RH202	155	155,6	206,4	98,4	3 7/8 - 12	38,1	25,4	54,0	27,4	1 9/16 - 16	3/8-16 x 82,6	30,4	21,4	7,3
	76,2	RH203	193	154,0	230,2	101,6	-	-	25,4	69,9	26,6	2 1/4 - 12	3/8-16 x 82,6	25,3	17,8	9,1
	152,4	RH206	465	308,0	460,4	98,4	3 7/8 - 12	38,1	25,4	54,0	27,4	1 9/16 - 16	3/8-16 x 82,6	30,4	21,4	13,7
30	63,5	RH302	260	158,8	222,3	120,7	4 3/4 - 12	38,1	29,4	82,6	32,9	2 3/4 - 12	7/16-20 x 92,1	40,9	28,8	11,6
	149,2	RHA306	625	283,4	432,6	130,2	-	-	31,8	82,6	32,5	2 5/8 - 8	-	40,9	28,8	9,9
	152,4	RH306	625	247,7	400,1	120,7	4 3/4 - 12	38,1	29,4	82,6	32,5	2 3/4 - 12	7/16-20 x 92,1	40,9	28,8	17,7
50	76,2	RH503	534	181,0	257,2	152,4	6 - 12	50,8	31,8	104,8	42,5	3 1/4 - 12	5/8-18 x 120,7	70,0	49,3	21,2
60	76,2	RH603*	607	235,0	311,2	158,8	6 1/4 - 12	63,5	25,4	91,3	54,0	3 - 12	1/2-13 x 130,2	79,4	55,9	27,2
	152,4	RH606*	1211	311,2	463,6	158,8	6 1/4 - 12	63,5	25,4	91,3	54,0	3 - 12	1/2-13 x 130,2	79,4	55,9	35,4
100	76,2	RH1003*	1014	254,0	330,2	212,7	-	-	31,8	127,0	79,4	4 1/8 - 12	-	133,0	93,5	52,2

* Supplied with carrying handles.

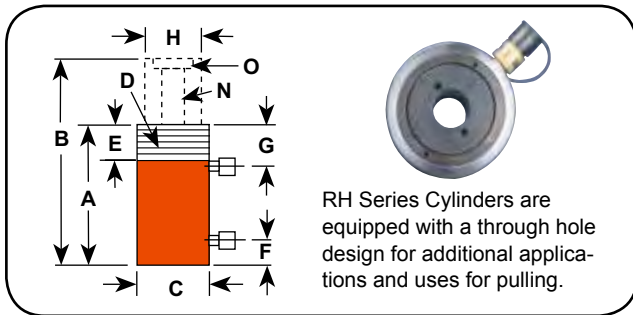
** RH120 and RH121T do not have an internal threaded insert, but do have a 3/4-16 internal thread. The RH120 inlet port is 1/4” NPTF.

Aluminum

Model Shown:
RH605



► **Technical Dimensions**



► **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 thru 200 ton steel models are equipped with removable carrying handles.
- 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”-5 1/2	38855
RH603, RH605	1 5/8”-5 1/2	34251



Optional Cylinders Lifting Handles



Lifting handle for RH303 and RH306D
Order Number: 421312OR9

► **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		Metric Tons at 700		Prod. Wt.		
				Re-tracted Height	Ex-tended Height	Out-side Dia.	Collar Thread	Collar Thread Length	Base to Port	Cyl. Top to Port	Piston Rod Dia.	Center Hole Dia.	Insert Thread Size		Push	Pull	Push	Pull			
(ton)	(mm)		(cm ³)	(mm)	(mm)	(mm)	(in.)	(mm)	(mm)	(mm)	(mm)	(mm)	(in.)	(in.)	(cm ²)	(bar)	(kg)				
Push	Pull		Push	Pull											Push	Pull	Push	Pull			
30	15	76,2	RH303	289	167	179,4	255,6	120,7	-	-	25,4	41,3	63,5	32,5	2 - 12	3/8-16 x 92,1	38,0	21,8	26,8	15,3	13,5
30	15	152,4	RH306D	580	333	281,0	433,4	120,7	-	-	25,4	41,3	63,5	32,5	2 - 12	7/16-20 x 92,1	38,0	21,8	26,8	15,3	20,4
30	20	257,2	RH3010	1082	672	438,2	695,3	114,3	4 1/2 -12	41,0	44,5	81,0	60,3	33,3	1 7/8 - 16	-	42,2	26,1	29,7	18,3	27,7
60	25	101,6	RHA604D	807	338	241,3	342,9	177,8	-	-	39,7	57,2	101,6	54,0	3 - 12	1/2-13 x 130,2	79,4	33,2	55,8	25,1	16,2
60	25	127,0	RH605*	1009	423	241,3	368,3	165,9	-	-	25,4	44,5	101,6	54,0	3 - 12	1/2-13 x 130,2	79,4	33,2	55,8	25,1	33,1
60	40	257,2	RH6010*	2181	1427	458,8	716,0	155,8	6 1/4 -12	47,6	54,0	81,8	92,1	54,4	3 - 16	-	84,8	55,4	59,6	38,9	54,5
100	45	38,1	RH1001	526	233	165,1	203,2	212,7	-	-	31,8	58,7	127,0	79,8	4 - 16	5/8-11 x 177,8	138,0	60,8	97,0	42,7	38,6
100	50	152,4	RH1006*	1971	1076	314,3	466,7	184,2	-	-	37,3	59,1	111,1	52,4	-	1/2-13 x 139,7	129,2	70,5	90,8	49,6	43,1
100	45	257,2	RH10010*	3552	1556	495,3	752,5	215,9	8 1/2 -12	57,0	63,5	91,7	139,7	79,8	4 1/2 - 12	-	138,0	60,8	97,0	42,7	109,0
150	70	127,0	RH1505*	2475	1207	311,2	438,2	215,9	-	-	37,3	68,3	139,7	65,1	-	-	194,1	94,8	136,9	66,8	67,2
150	75	203,2	RH1508*	3929	2086	349,3	552,5	247,7	-	-	39,3	61,1	152,4	80,2	5 - 12	-	193,2	102,6	135,9	72,1	103,1
200	75	203,2	RH2008*	5307	2093	408,0	611,2	273,1	-	-	57,2	81,8	190,5	103,2	6 - 12	1 1/4-7 x 198,1	260,9	102,9	183,5	72,4	142,0

* Supplied with carrying handles.
 Aluminum

Model shown:

RT302, RT1004



Features

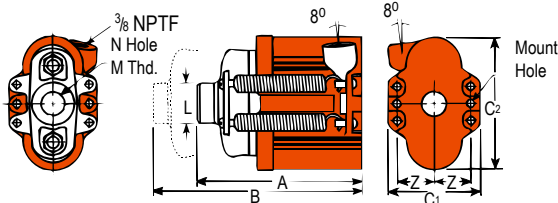
IDEAL FOR PULLING AND PRESSING APPLICATION, REQUIRING HIGHER FORCES.

- 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.

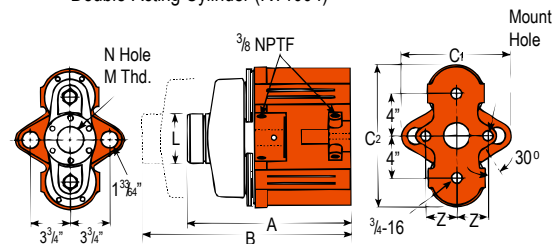
Technical Dimensions, Base Mounting Holes

Dimensions for reference only.

Single-Acting, Spring Return Cylinders



Double-Acting Cylinder (RT1004)

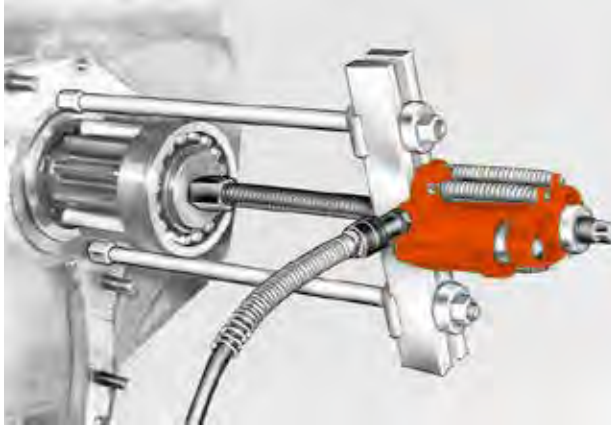


Ordering Information

Cyl. Cap.	Stroke	Order No.	Oil Cap.		A	B	C1	C2	L	M	N	Z	Mount Hole	Cylinder Effective Area	Metric Tons at 700	Prod. Wt.
			Push	Return	Re-tracted Height	Ex-tended Height	Outside Dia.		Load Cap Dia.	Load Cap Thread	Center Hole Dia.	Mount Hole Location				
							(mm)	(mm)								
(ton)	(mm)		(cm ³)		(mm)	(mm)	(mm)	(mm)	(mm)	(in.)	(mm)	(mm)	(mm)	(cm ²)	(bar)	(kg)
17.5	50,8	RT172	116	–	174,6	225,4	95,3	146,1	44,5	1" – 8	27,0	38,1	8,7	22,8	16,1	6,6
30	63,5	RT302	258	–	214,3	277,8	108,0	190,5	57,2	1 1/4" – 7	32,9	46,0	11,9	40,5	28,5	12,8
50	76,2	RT503	482	–	268,3	344,5	149,2	238,1	73,0	1 5/8" – 5.5	42,5	60,3	16,7	63,3	44,5	25,4
100	123,8	RT1004*	1,583	1,037	384,2	508,0	266,7	336,6	120,7	2 1/2" – 8	65,1	73,0	19,8	124,1 *	87,3	72,6

* 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.

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



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

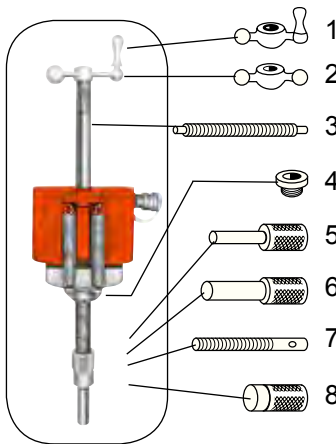


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▶ Accessories Ordering Information



Use with Cylinder Number	No.	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. 508 mm lg.	34758 1 1/4"-7 thd. 609,6 mm lg.	32698 1 5/8"-5 1/2 thd. 762 mm lg.	32699 2 1/2"-8 thd 869,9 mm 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 12,7 mm diameter shank	34510 1 1/4"-7 thread 19,1 mm diameter shank	34755 1 5/8"-5 1/2 thread 25,4 mm diameter shank	—
Pushing Adapter	6	201454 1"-8 thread 19,5 mm diameter shank	34511 1 1/4"-7 thread 25,4 mm diameter. shank	34756 1 5/8"-5 1/2 thread 31,7 mm diameter shank	—
Jack Screw	7	24813 1"-8 thd. 177,8 mm lg.	25931 1 1/4"-7 thd. 228,6 mm lg.	32701 1 5/8"-5 1/2 thd. 279,4 mm lg.	32702 2 1/2"-8 thd. 406,4 mm lg.
Screw Cap	8	28228 1"-8 thd. 38,1 mm dia.	28229 1 1/4"-7 thd 44,4 mm dia.	28230 1 5/8"-5 1/2 thd, 57,2 mm dia.	—

Model Shown:
RGG Family



▶ RGG Series is perfect for any bridge construction application.



Features

HEAVY LIFT, GENERAL PURPOSE CYLINDER FOR MAINTENANCE APPLICATIONS.

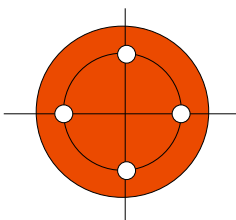
- Single-Acting, load return hydraulic cylinders, tonnages ranging from 55 - 200.
- Patented swivel cap provides concentrated load centering up to 5 degrees.
- Sealing technology provides rod lubrication to reduce friction and wear.
- Floating piston design resists side loading conditions.
- "Power-Tech" nitro-carburization surface treatment inhibits corrosion and provides exceptional durability.
- Base mounting holes standard on all models.
- One high flow 3/8" NPTF female half coupler and removable eyelets are included.
- Complies with ANSI / ASME B30.1 safety standards.

RGG Series Design Features

- Patented swivel cap minimizes side load conditions
- Robust retaining ring withstands full load end stop
- Seal band technology reduces wear and provides lubricity
- Power-Tech surface treatment provides extended durability
- Carrying eyelets for ease of positioning
- Heavy-duty, heat treated piston rod for the most demanding applications
- Design complies with AMSE / ANSI B30.1 Safety Standard
- Self-Aligning piston gland design Resists side loading
- High pressure 3/8 NPTF Female Half Coupler(s) included

RDG10012 cutaway shown

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 (mm)	18,1	18,0	15,8	22,9	30,5
Base Mounting Diameter (mm)	77,0	93,0	101,6	130,1	145,3
Orientation	Mounting hole orientation is not maintained to port location.				

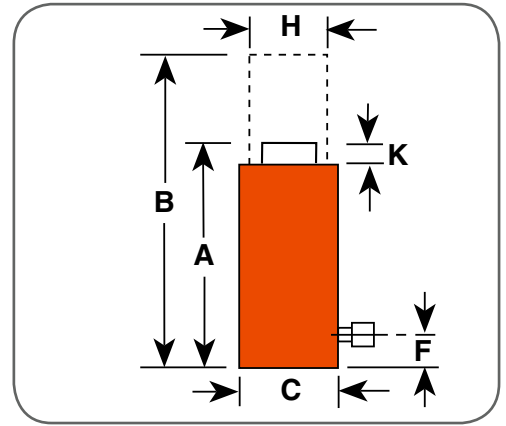


Cylinder Selection



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.	Metric Tons at 700	Prod. Wt.
			Ret. Height	Ext. Height	Out. Dia.	Base to Port	Piston Rod Dia.	Swivel Cap Protrusion						
(ton)	(mm)		(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(cm ²)	(cm ³)	(bar)	(kg)
55	50,8	RGG552	199,1	249,9	131,1	41,0	69,8	17,0	70,6	95,3	71,3	362,0	50,1	17,7
	101,6	RGG554	249,9	351,5	131,1	41,0	69,8	17,0	70,6	95,3	71,3	724,0	50,1	21,7
	152,4	RGG556	300,7	453,1	131,1	41,0	69,8	17,0	70,6	95,3	71,3	1086,0	50,1	27,1
	203,2	RGG558	351,5	554,7	131,1	41,0	69,8	17,0	70,6	95,3	71,3	1448,0	50,1	31,2
	254,0	RGG5510	402,3	656,3	131,1	41,0	69,8	17,0	70,6	95,3	71,3	1809,9	50,1	35,3
	304,8	RGG5512	453,1	757,9	131,1	41,0	69,8	17,0	70,6	95,3	71,3	2171,9	50,1	39,3
	330,2	RGG5513	478,5	808,7	131,1	41,0	69,8	17,0	70,6	95,3	71,3	2352,9	50,1	41,4
	355,6	RGG5514	503,9	859,5	131,1	41,0	69,8	17,0	70,6	95,3	71,3	2533,9	50,1	43,4
75	50,8	RGG752	211,1	261,9	146,8	44,8	79,3	19,3	82,3	111,2	97,0	492,7	68,2	23,4
	101,6	RGG754	261,9	363,5	146,8	44,8	79,3	19,3	82,3	111,2	97,0	985,3	68,2	30,5
	152,4	RGG756	312,7	465,1	146,8	44,8	79,3	19,3	82,3	111,2	97,0	1478,0	68,2	35,3
	203,2	RGG758	363,5	566,7	146,8	44,8	79,3	19,3	82,3	111,2	97,0	1970,7	68,2	40,2
	254,0	RGG7510	414,3	668,3	146,8	44,8	79,3	19,3	82,3	111,2	97,0	2463,3	68,2	45,1
	304,8	RGG7512	465,1	769,9	146,8	44,8	79,3	19,3	82,3	111,2	97,0	2956,0	68,2	49,9
	330,2	RGG7513	490,5	820,7	146,8	44,8	79,3	19,3	82,3	111,2	97,0	3202,3	68,2	52,3
	355,6	RGG7514	515,9	871,5	146,8	44,8	79,3	19,3	82,3	111,2	97,0	3448,7	68,2	54,8
100	50,8	RGG1002	221,0	271,8	165,9	47,1	95,2	23,4	98,3	130,2	133,1	676,3	93,6	32,2
	101,6	RGG1004	271,8	373,4	165,9	47,1	95,2	23,4	98,3	130,2	133,1	1352,6	93,6	38,4
	152,4	RGG1006	322,6	475,0	165,9	47,1	95,2	23,4	98,3	130,2	133,1	2028,8	93,6	44,5
	203,2	RGG1008	373,4	576,6	165,9	47,1	95,2	23,4	98,3	130,2	133,1	2705,1	93,6	50,6
	254,0	RGG10010	424,2	678,2	165,9	47,1	95,2	23,4	98,3	130,2	133,1	3381,4	93,6	56,8
	304,8	RGG10012	475,0	779,8	165,9	47,1	95,2	23,4	98,3	130,2	133,1	4057,7	93,6	62,9
	330,2	RGG10013	500,4	830,6	165,9	47,1	95,2	23,4	98,3	130,2	133,1	4395,8	93,6	66,0
	355,6	RGG10014	525,8	881,4	165,9	47,1	95,2	23,4	98,3	130,2	133,1	4734,0	93,6	69,1
150	50,8	RGG1502	238,0	288,8	195,6	53,5	114,2	24,1	117,6	158,8	198,0	1005,6	139,2	46,7
	101,6	RGG1504	288,8	390,4	195,6	53,5	114,2	24,1	117,6	158,8	198,0	2011,3	139,2	54,9
	152,4	RGG1506	339,6	492,0	195,6	53,5	114,2	24,1	117,6	158,8	198,0	3016,9	139,2	63,1
	203,2	RGG1508	390,4	593,6	195,6	53,5	114,2	24,1	117,6	158,8	198,0	4022,5	139,2	71,2
	254,0	RGG15010	441,2	695,2	195,6	53,5	114,2	24,1	117,6	158,8	198,0	5028,2	139,2	79,4
	304,8	RGG15012	492,0	796,8	195,6	53,5	114,2	24,1	117,6	158,8	198,0	6033,8	139,2	87,6
	330,2	RGG15013	517,4	847,6	195,6	53,5	114,2	24,1	117,6	158,8	198,0	6536,6	139,2	91,7
	355,6	RGG15014	542,8	898,4	195,6	53,5	114,2	24,1	117,6	158,8	198,0	7039,4	139,2	95,7
200	50,8	RGG2002	255,0	305,8	226,8	57,2	133,3	26,9	136,4	184,2	266,3	1353,1	187,2	67,4
	101,6	RGG2004	305,8	407,4	226,8	57,2	133,3	26,9	136,4	184,2	266,3	2706,1	187,2	78,5
	152,4	RGG2006	356,6	509,0	226,8	57,2	133,3	26,9	136,4	184,2	266,3	4059,2	187,2	89,5
	203,2	RGG2008	407,4	610,6	226,8	57,2	133,3	26,9	136,4	184,2	266,3	5412,2	187,2	100,6
	254,0	RGG20010	458,2	712,2	226,8	57,2	133,3	26,9	136,4	184,2	266,3	6765,3	187,2	111,7
	304,8	RGG20012	509,0	813,8	226,8	57,2	133,3	26,9	136,4	184,2	266,3	8118,3	187,2	122,7
	330,2	RGG20013	534,4	864,6	226,8	57,2	133,3	26,9	136,4	184,2	266,3	8794,9	187,2	128,3
	355,6	RGG20014	559,8	915,4	226,8	57,2	133,3	26,9	136,4	184,2	266,3	9471,4	187,2	133,8

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 removeable carry strap w/ eyelets are included.
- Complies with ANSI / ASME B30.1 safety standards.

▶ RGG Series is perfect for any building lift application.

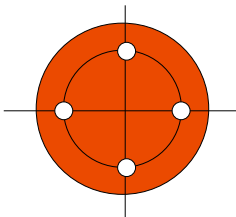


RGG Series Design Features

- Patented swivel cap minimizes side load conditions
- Robust retaining ring withstands full load end stop
- Seal band technology reduces wear and provides lubricity
- Power-Tech surface treatment provides extended durability
- Carrying eyelets for ease of positioning
- Heavy-duty, heat treated piston rod for the most demanding applications
- Design complies with AMSE / ANSI B30.1 Safety Standard
- Self-Aligning piston gland design Resists side loading
- High pressure 3/8 NPTF Female Half Coupler(s) included

RDG10012 cutaway shown

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 (mm)	37,0	37,0	45,7	45,7	49,5
Base Mounting Diameter (mm)	153,9	179,3	194,3	227,3	245,1
Base Mounting Orientation	Mounting hole orientation is not maintained to port location.				

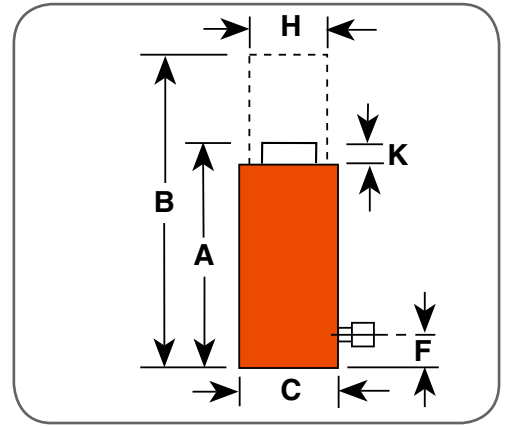


Cylinder Selection



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	B	C	F	H	K	Swivel Cap Dia.	Bore Dia.	Cyl. Eff. Area (Advance)	Oil Cap.	Metric Tons at 700	Prod. Wt.
			Ret. Height	Ext. Height	Out. Dia.	Base to Port	Piston Rod Dia.	Swivel Cap Protrusion						
(ton)	(mm)		(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(cm ²)	(cm ³)	(bar)	(kg)
250	50,8	RGG2502	261,6	312,4	250,2	59,7	152,3	28,4	141,2	203,3	324,3	1647,4	228,0	87,2
	101,6	RGG2504	312,4	414,0	250,2	59,7	152,3	28,4	141,2	203,3	324,3	3294,8	228,0	101,2
	152,4	RGG2506	363,2	515,6	250,2	59,7	152,3	28,4	141,2	203,3	324,3	4942,2	228,0	115,1
	203,2	RGG2508	414,0	617,2	250,2	59,7	152,3	28,4	141,2	203,3	324,3	6589,6	228,0	129,1
	254,0	RGG25010	464,8	718,8	250,2	59,7	152,3	28,4	141,2	203,3	324,3	8237,0	228,0	143,0
	304,8	RGG25012	515,6	820,4	250,2	59,7	152,3	28,4	141,2	203,3	324,3	9884,4	228,0	156,9
	330,2	RGG25013	541,0	871,2	250,2	59,7	152,3	28,4	141,2	203,3	324,3	10708,1	228,0	163,9
	355,6	RGG25014	566,4	922,0	250,2	59,7	152,3	28,4	141,2	203,3	324,3	11531,8	228,0	170,9
300	50,8	RGG3002	272,8	323,6	281,4	63,0	165,0	32,5	169,2	228,7	410,4	2084,9	288,5	114,0
	101,6	RGG3004	323,6	425,2	281,4	63,0	165,0	32,5	169,2	228,7	410,4	4169,7	288,5	131,0
	152,4	RGG3006	374,4	526,8	281,4	63,0	165,0	32,5	169,2	228,7	410,4	6254,6	288,5	148,0
	203,2	RGG3008	425,2	628,4	281,4	63,0	165,0	32,5	169,2	228,7	410,4	8339,5	288,5	164,5
	254,0	RGG30010	476,0	730,0	281,4	63,0	165,0	32,5	169,2	228,7	410,4	10424,3	288,5	182,0
	304,8	RGG30012	526,8	831,6	281,4	63,0	165,0	32,5	169,2	228,7	410,4	12509,2	288,5	198,9
	330,2	RGG30013	552,2	882,4	281,4	63,0	165,0	32,5	169,2	228,7	410,4	13551,6	288,5	207,4
	355,6	RGG30014	577,6	933,2	281,4	63,0	165,0	32,5	169,2	228,7	410,4	14594,1	288,5	215,9
400	50,8	RGG4002	306,6	357,4	328,4	70,3	190,4	37,1	197,4	266,8	558,6	2837,6	392,6	177,2
	101,6	RGG4004	357,4	459,0	328,4	70,3	190,4	37,1	197,4	266,8	558,6	5675,1	392,6	200,1
	152,4	RGG4006	408,2	560,6	328,4	70,3	190,4	37,1	197,4	266,8	558,6	8512,7	392,6	223,0
	203,2	RGG4008	459,0	662,2	328,4	70,3	190,4	37,1	197,4	266,8	558,6	11350,2	392,6	245,8
	254,0	RGG40010	509,8	763,8	328,4	70,3	190,4	37,1	197,4	266,8	558,6	14187,8	392,6	268,7
	304,8	RGG40012	560,6	865,4	328,4	70,3	190,4	37,1	197,4	266,8	558,6	17025,4	392,6	291,6
	330,2	RGG40013	586,0	916,2	328,4	70,3	190,4	37,1	197,4	266,8	558,6	18444,1	392,6	303,0
	355,6	RGG40014	611,4	967,0	328,4	70,3	190,4	37,1	197,4	266,8	558,6	19862,9	392,6	314,5
500	50,8	RGG5002	311,9	362,7	359,7	73,6	203,1	39,4	216,2	292,2	670,0	3403,7	471,0	205,0
	101,6	RGG5004	362,7	464,3	359,7	73,6	203,1	39,4	216,2	292,2	670,0	6807,3	471,0	240,6
	152,4	RGG5006	413,5	565,9	359,7	73,6	203,1	39,4	216,2	292,2	670,0	10211,0	471,0	267,4
	203,2	RGG5008	464,3	667,5	359,7	73,6	203,1	39,4	216,2	292,2	670,0	13614,7	471,0	294,1
	254,0	RGG50010	515,1	769,1	359,7	73,6	203,1	39,4	216,2	292,2	670,0	17018,4	471,0	320,8
	304,8	RGG50012	565,9	870,7	359,7	73,6	203,1	39,4	216,2	292,2	670,0	20422,0	471,0	347,5
	330,2	RGG50013	591,3	921,5	359,7	73,6	203,1	39,4	216,2	292,2	670,0	22123,9	471,0	360,9
	355,6	RGG50014	616,7	972,3	359,7	73,6	203,1	39,4	216,2	292,2	670,0	23825,7	471,0	374,3
600	50,8	RGG6002	324,1	374,9	391,2	76,8	228,5	41,4	235,0	317,6	791,6	4021,2	556,4	255,0
	101,6	RGG6004	374,9	476,5	391,2	76,8	228,5	41,4	235,0	317,6	791,6	8042,5	556,4	287,7
	152,4	RGG6006	425,7	578,1	391,2	76,8	228,5	41,4	235,0	317,6	791,6	12063,7	556,4	320,5
	203,2	RGG6008	476,5	679,7	391,2	76,8	228,5	41,4	235,0	317,6	791,6	16085,0	556,4	353,2
	254,0	RGG60010	527,3	781,3	391,2	76,8	228,5	41,4	235,0	317,6	791,6	20106,2	556,4	385,9
	304,8	RGG60012	578,1	882,9	391,2	76,8	228,5	41,4	235,0	317,6	791,6	24127,4	556,4	418,7
	330,2	RGG60013	603,5	933,7	391,2	76,8	228,5	41,4	235,0	317,6	791,6	26138,0	556,4	435,0
	355,6	RGG60014	628,9	984,5	391,2	76,8	228,5	41,4	235,0	317,6	791,6	28148,7	556,4	451,4

Model Shown:
RDG Family



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 removeable carry strap w/ eyelets are included.
- Complies with ANSI / ASME B30.1 safety standards.

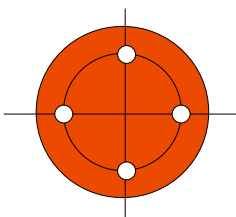
▶ RDG Series is perfect choice for any heavy lift MRO application.



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 (mm)	18,0	18,0	15,7	22,9	30,5
Base Mounting Diameter (mm)	77,0	93,0	101,6	139,1	145,3
Orientation	Mounting hole orientation is not maintained to port location.				

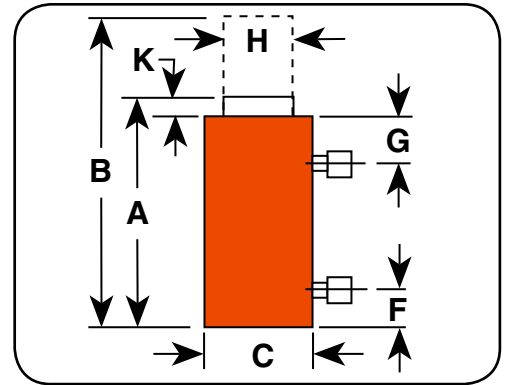


Cylinder Selection



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	G	H	K	Swivel Cap Dia.	Bore Dia.	Cyl. Eff. Area (Advance)	Oil Cap. (Ext.)	Oil Cap. (Ret.)	Metric Tons at 700	Prod. Wt.
			Ret. Height	Ext. Height	Outside Dia.	Base to Port	Top to Port	Piston Rod Dia.	Swivel Cap Protrusion							
(ton)	(mm)		(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(cm ²)	(cm ³)	(cm ³)	(bar)	(kg)
55	50,8	RDG552	199,1	249,9	131,1	41,0	41,0	69,8	17,0	70,6	95,3	71,3	362,0	167,6	50,1	17,8
	101,6	RDG554	249,9	351,5	131,1	41,0	41,0	69,8	17,0	70,6	95,3	71,3	724,0	335,1	50,1	21,9
	152,4	RDG556	300,7	453,1	131,1	41,0	41,0	69,8	17,0	70,6	95,3	71,3	1086,0	502,7	50,1	27,3
	203,2	RDG558	351,5	554,7	131,1	41,0	41,0	69,8	17,0	70,6	95,3	71,3	1448,0	670,3	50,1	31,4
	254,0	RDG5510	402,3	656,3	131,1	41,0	41,0	69,8	17,0	70,6	95,3	71,3	1809,9	837,8	50,1	35,4
	304,8	RDG5512	453,1	757,9	131,1	41,0	41,0	69,8	17,0	70,6	95,3	71,3	2171,9	1005,4	50,1	39,5
	330,2	RDG5513	478,5	808,7	131,1	41,0	41,0	69,8	17,0	70,6	95,3	71,3	2352,9	1089,2	50,1	41,5
	355,6	RDG5514	503,9	859,5	131,1	41,0	41,0	69,8	17,0	70,6	95,3	71,3	2533,9	1173,0	50,1	43,5
75	50,8	RDG752	211,1	261,9	146,8	44,8	44,8	79,3	19,3	82,3	111,2	97,0	492,7	241,6	68,2	23,4
	101,6	RDG754	261,9	363,5	146,8	44,8	44,8	79,3	19,3	82,3	111,2	97,0	985,3	483,2	68,2	30,6
	152,4	RDG756	312,7	465,1	146,8	44,8	44,8	79,3	19,3	82,3	111,2	97,0	1478,0	724,7	68,2	35,5
	203,2	RDG758	363,5	566,7	146,8	44,8	44,8	79,3	19,3	82,3	111,2	97,0	1970,7	966,3	68,2	40,4
	254,0	RDG7510	414,3	668,3	146,8	44,8	44,8	79,3	19,3	82,3	111,2	97,0	2463,3	1207,9	68,2	45,2
	304,8	RDG7512	465,1	769,9	146,8	44,8	44,8	79,3	19,3	82,3	111,2	97,0	2956,0	1449,5	68,2	50,1
	330,2	RDG7513	490,5	820,7	146,8	44,8	44,8	79,3	19,3	82,3	111,2	97,0	3202,3	1570,3	68,2	52,5
	355,6	RDG7514	515,9	871,5	146,8	44,8	44,8	79,3	19,3	82,3	111,2	97,0	3448,7	1691,1	68,2	55,0
100	50,8	RDG1002	221,0	271,8	165,9	47,1	47,1	95,2	23,4	98,3	130,2	133,1	676,3	314,9	93,5	32,3
	101,6	RDG1004	271,8	373,4	165,9	47,1	47,1	95,2	23,4	98,3	130,2	133,1	1352,6	629,7	93,5	38,4
	152,4	RDG1006	322,6	475,0	165,9	47,1	47,1	95,2	23,4	98,3	130,2	133,1	2028,8	944,6	93,5	44,5
	203,2	RDG1008	373,4	576,6	165,9	47,1	47,1	95,2	23,4	98,3	130,2	133,1	2705,1	1259,5	93,5	50,7
	254,0	RDG10010	424,2	678,2	165,9	47,1	47,1	95,2	23,4	98,3	130,2	133,1	3381,4	1574,4	93,5	56,8
	304,8	RDG10012	475,0	779,8	165,9	47,1	47,1	95,2	23,4	98,3	130,2	133,1	4057,7	1889,2	93,5	63,0
	330,2	RDG10013	500,4	830,6	165,9	47,1	47,1	95,2	23,4	98,3	130,2	133,1	4395,8	2046,7	93,5	66,0
	355,6	RDG10014	525,8	881,4	165,9	47,1	47,1	95,2	23,4	98,3	130,2	133,1	4734,0	2204,1	93,5	69,1
150	50,8	RDG1502	238,0	288,8	195,6	53,5	53,5	114,2	24,1	117,6	158,8	198,0	1005,6	485,1	139,1	46,8
	101,6	RDG1504	288,8	390,4	195,6	53,5	53,5	114,2	24,1	117,6	158,8	198,0	2011,3	970,2	139,1	54,9
	152,4	RDG1506	339,6	492,0	195,6	53,5	53,5	114,2	24,1	117,6	158,8	198,0	3016,9	1455,3	139,1	63,1
	203,2	RDG1508	390,4	583,6	195,6	53,5	53,5	114,2	24,1	117,6	158,8	198,0	4022,5	1940,4	139,1	71,3
	254,0	RDG15010	441,2	695,2	195,6	53,5	53,5	114,2	24,1	117,6	158,8	198,0	5028,2	2425,5	139,1	79,5
	304,8	RDG15012	492,0	796,8	195,6	53,5	53,5	114,2	24,1	117,6	158,8	198,0	6033,8	2910,7	139,1	87,7
	330,2	RDG15013	517,4	847,6	195,6	53,5	53,5	114,2	24,1	117,6	158,8	198,0	6536,6	3153,2	139,1	91,8
	355,6	RDG15014	542,8	898,4	195,6	53,5	53,5	114,2	24,1	117,6	158,8	198,0	7039,4	3395,8	139,1	95,8
200	50,8	RDG2002	255,0	305,8	226,8	57,2	57,2	133,3	26,9	136,4	184,2	266,3	1353,1	644,5	187,2	67,5
	101,6	RDG2004	305,8	407,4	226,8	57,2	57,2	133,3	26,9	136,4	184,2	266,3	2706,1	1289,0	187,2	78,6
	152,4	RDG2006	356,6	509,0	226,8	57,2	57,2	133,3	26,9	136,4	184,2	266,3	4059,2	1933,4	187,2	89,6
	203,2	RDG2008	407,4	610,6	226,8	57,2	57,2	133,3	26,9	136,4	184,2	266,3	5412,2	2577,9	187,2	100,7
	254,0	RDG20010	458,2	712,2	226,8	57,2	57,2	133,3	26,9	136,4	184,2	266,3	6765,3	3222,4	187,2	111,8
	304,8	RDG20012	509,0	813,8	226,8	57,2	57,2	133,3	26,9	136,4	184,2	266,3	8118,3	3866,9	187,2	122,8
	330,2	RDG20013	534,4	864,6	226,8	57,2	57,2	133,3	26,9	136,4	184,2	266,3	8794,9	4189,1	187,2	128,3
	355,6	RDG20014	559,8	915,4	226,8	57,2	57,2	133,3	26,9	136,4	184,2	266,3	9471,4	4511,4	187,2	133,9

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.

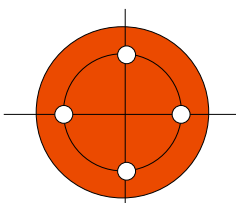


RDG Series Design Features

- Patented swivel cap minimizes side load conditions
- Robust retaining ring withstands full load end stop
- Seal band technology reduces wear and provides lubricity
- Power-Tech surface treatment provides extended durability
- Carrying eyelets for ease of positioning
- Heavy-duty, heat treated piston rod for the most demanding applications
- Design complies with AMSE / ANSI B30.1 Safety Standard
- Self-aligning piston gland design Resists side loading
- High pressure 3/8 NPTF Female Half Coupler(s) included

RDG10012 cutaway shown

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 (mm)	37,0	37,0	45,7	45,7	49,5
Base Mounting Diameter (mm)	153,9	179,3	194,3	227,3	245,1
Orientation	Mounting hole orientation is not maintained to port location.				

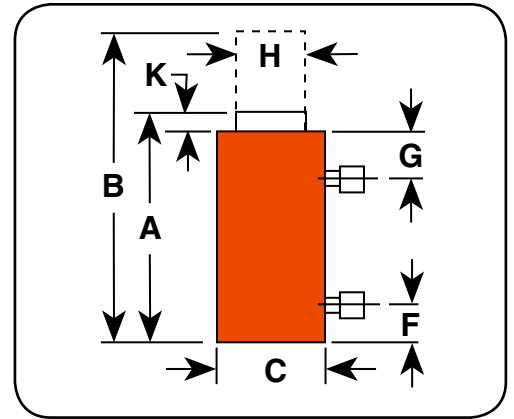


Cylinder Selection



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. (ton)	Stroke (mm)	Order No.	A	B	C	F	G	H	K	Swivel Cap Dia. (mm)	Bore Dia. (mm)	Cyl. Eff. Area (Advance) (cm ²)	Oil Cap. (Ext.) (cm ³)	Oil Cap. (Ret.) (cm ³)	Metric Tons at 700 (bar)	Prod. Wt. (kg)
			Ret. Height (mm)	Ext. Height (mm)	Out-side Dia. (mm)	Base to Port (mm)	Top to Port (mm)	Piston Rod Dia. (mm)	Swivel Cap Protrusion (mm)							
250	50,8	RDG2502	261,6	312,4	250,2	59,7	59,7	152,3	28,4	141,2	203,3	324,3	1647,4	721,8	227,9	87,3
	101,6	RDG2504	312,4	414,0	250,2	59,7	59,7	152,3	28,4	141,2	203,3	324,3	3294,8	1443,6	227,9	101,2
	152,4	RDG2506	363,2	515,6	250,2	59,7	59,7	152,3	28,4	141,2	203,3	324,3	4942,2	2165,4	227,9	115,2
	203,2	RDG2508	414,0	617,2	250,2	59,7	59,7	152,3	28,4	141,2	203,3	324,3	6589,6	2887,3	227,9	129,2
	254,0	RDG25010	464,8	718,8	250,2	59,7	59,7	152,3	28,4	141,2	203,3	324,3	8237,0	3609,1	227,9	143,1
	304,8	RDG25012	515,6	820,4	250,2	59,7	59,7	152,3	28,4	141,2	203,3	324,3	9884,4	4330,9	227,9	157,0
	330,2	RDG25013	541,0	871,2	250,2	59,7	59,7	152,3	28,4	141,2	203,3	324,3	10708,1	4691,8	227,9	164,0
	355,6	RDG25014	566,4	922,0	250,2	59,7	59,7	152,3	28,4	141,2	203,3	324,3	11531,8	5052,7	227,9	171,0
300	50,8	RDG3002	272,8	323,6	281,4	63,0	63,0	165,0	32,5	169,2	228,7	410,4	2084,9	998,5	288,5	114,1
	101,6	RDG3004	323,6	425,2	281,4	63,0	63,0	165,0	32,5	169,2	228,7	410,4	4169,7	1997,1	288,5	131,1
	152,4	RDG3006	374,4	526,8	281,4	63,0	63,0	165,0	32,5	169,2	228,7	410,4	6254,6	2995,6	288,5	148,1
	203,2	RDG3008	425,2	628,4	281,4	63,0	63,0	165,0	32,5	169,2	228,7	410,4	8339,5	3994,2	288,5	165,1
	254,0	RDG30010	476,0	730,0	281,4	63,0	63,0	165,0	32,5	169,2	228,7	410,4	10424,3	4992,7	288,5	182,1
	304,8	RDG30012	526,8	831,6	281,4	63,0	63,0	165,0	32,5	169,2	228,7	410,4	12509,2	5991,3	288,5	199,0
	330,2	RDG30013	552,2	882,4	281,4	63,0	63,0	165,0	32,5	169,2	228,7	410,4	13551,6	6490,5	288,5	207,5
	355,6	RDG30014	577,6	933,2	281,4	63,0	63,0	165,0	32,5	169,2	228,7	410,4	14594,1	6989,8	288,5	216,0
400	50,8	RDG4002	306,6	357,4	328,4	70,3	70,3	190,4	37,1	197,4	266,8	558,6	2837,6	1391,1	392,7	177,3
	101,6	RDG4004	357,4	459,0	328,4	70,3	70,3	190,4	37,1	197,4	266,8	558,6	5675,1	2782,3	392,7	200,2
	152,4	RDG4006	408,2	560,6	328,4	70,3	70,3	190,4	37,1	197,4	266,8	558,6	8512,7	4173,4	392,7	223,1
	203,2	RDG4008	459,0	662,2	328,4	70,3	70,3	190,4	37,1	197,4	266,8	558,6	11350,2	5564,6	392,7	245,9
	254,0	RDG40010	509,8	763,8	328,4	70,3	70,3	190,4	37,1	197,4	266,8	558,6	14187,8	6955,7	392,7	268,8
	304,8	RDG40012	560,6	865,4	328,4	70,3	70,3	190,4	37,1	197,4	266,8	558,6	17025,4	8346,9	392,7	288,6
	330,2	RDG40013	586,0	916,2	328,4	70,3	70,3	190,4	37,1	197,4	266,8	558,6	18444,1	9042,5	392,7	303,1
	355,6	RDG40014	611,4	967,0	328,4	70,3	70,3	190,4	37,1	197,4	266,8	558,6	19862,9	9738,0	392,7	314,6
500	50,8	RDG5002	311,9	362,7	359,7	73,6	73,6	203,1	39,4	216,2	292,2	670,0	3403,7	1757,9	471,0	214,0
	101,6	RDG5004	362,7	464,3	359,7	73,6	73,6	203,1	39,4	216,2	292,2	670,0	6807,3	3515,8	471,0	240,7
	152,4	RDG5006	413,5	565,9	359,7	73,6	73,6	203,1	39,4	216,2	292,2	670,0	10211,0	5273,8	471,0	267,5
	203,2	RDG5008	464,3	667,5	359,7	73,6	73,6	203,1	39,4	216,2	292,2	670,0	13614,7	7031,7	471,0	294,1
	254,0	RDG50010	515,1	769,1	359,7	73,6	73,6	203,1	39,4	216,2	292,2	670,0	17018,4	8789,6	471,0	320,9
	304,8	RDG50012	565,9	870,7	359,7	73,6	73,6	203,1	39,4	216,2	292,2	670,0	20422,0	10547,5	471,0	347,6
	330,2	RDG50013	591,3	921,5	359,7	73,6	73,6	203,1	39,4	216,2	292,2	670,0	22123,9	11426,5	471,0	361,0
	355,6	RDG50014	616,7	972,3	359,7	73,6	73,6	203,1	39,4	216,2	292,2	670,0	23825,7	12305,5	471,0	374,4
600	50,8	RDG6002	324,1	374,9	391,2	76,8	76,8	228,5	41,4	235,0	317,6	791,6	4021,2	1938,2	556,5	255,2
	101,6	RDG6004	374,9	476,5	391,2	76,8	76,8	228,5	41,4	235,0	317,6	791,6	8042,5	3876,4	556,5	288,0
	152,4	RDG6006	425,7	578,1	391,2	76,8	76,8	228,5	41,4	235,0	317,6	791,6	12063,7	5814,7	556,5	320,7
	203,2	RDG6008	476,5	679,7	391,2	76,8	76,8	228,5	41,4	235,0	317,6	791,6	16085,0	7752,9	556,5	353,4
	254,0	RDG60010	527,3	781,3	391,2	76,8	76,8	228,5	41,4	235,0	317,6	791,6	20106,2	9691,1	556,5	386,2
	304,8	RDG60012	578,1	882,9	391,2	76,8	76,8	228,5	41,4	235,0	317,6	791,6	24127,4	11629,3	556,5	418,9
	330,2	RDG60013	603,5	933,7	391,2	76,8	76,8	228,5	41,4	235,0	317,6	791,6	26138,0	12598,4	556,5	435,2
	355,6	RDG60014	628,9	984,5	391,2	76,8	76,8	228,5	41,4	235,0	317,6	791,6	28148,7	13567,5	556,5	451,6

Model Shown:

RD10013, RD556, RD300



▶ Four special order 500 ton, 610 mm stroke cylinders used in a swaging press for crimping 89 mm wire rope.



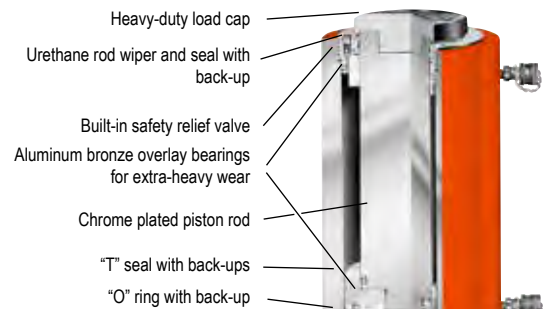
Features

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



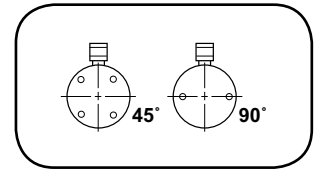
RD Series Performance

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.

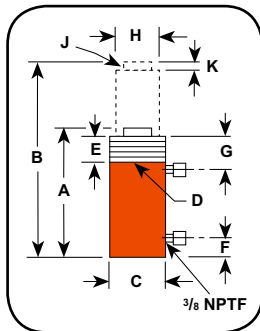
Pump	Cylinder	Time to Extend Cylinder 25,4 mm	
		7 bar	700 bar
PE55	RD55	1,0 sec.	12,0 sec.
	RD100	1,8 sec.	22,5 sec.
	RD200	3,5 sec.	45,0 sec.
	RD400	7,2 sec.	92,0 sec.
PQ120 Series	RD200	3,4 sec.	20,6 sec.
	RD300	4,9 sec.	30,0 sec.
	RD400	6,4 sec.	39,0 sec.
PE400 Series	RD500	8,1 sec.	49,5 sec.
	RD300	3,0 sec.	8,5 sec.
	RD400	3,9 sec.	11,1 sec.
	RD500	4,9 sec.	14,1 sec.

► 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	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 (mm)	16	19	22	22	25	25	32	44	48	51
Bolt Circle Diameter (mm)	51	70	89	114	140	152	165	159	184	203
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. (kg)	A (mm)	B (mm)	C (mm)
10	350144	0,4	22,2	36,5	21,8
25	350145	0,6	28,6	54,0	36,5
55	351325	1,9	61,9	63,5	39,3
100	351324	5,1	75,0	95,3	67,5
150/200	351334	5,8	66,7	111,1	77,8

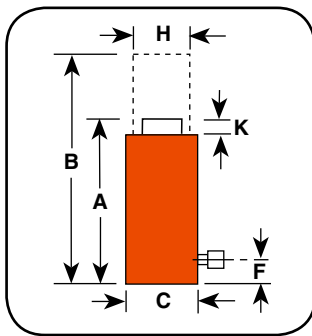
► Ordering Information

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		Metric Tons at 700		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 Protrusion			Push	Pull	Push	Pull			
				(mm)	(mm)	(mm)	(in.)	(mm)	(mm)	(mm)	(mm)	(mm)	(in.)			(mm)	(mm)	(mm)	(mm)		(cm ²)	(bar)
10	4	158,8	RD106	228	90	296,9	455,6	76,2	2 3/4 - 12	41,3	25,4	63,5	33,3	1-8 x 25,4	6,4	34,9	42,9	14,4	5,7	10,2	4,0	10,0
	4	254,0	RD1010	366	144	398,5	652,5	76,2	2 3/4 - 12	41,3	25,4	63,5	33,3	1-8 x 25,4	6,4	34,9	42,9	14,4	5,7	10,2	4,0	12,7
25	8	158,8	RD256	528	166	314,3	473,1	101,6	4 - 12	41,3	25,4	63,5	54,0	1 1/2-16 x 25,4	9,5	54,0	65,1	33,2	10,4	23,4	7,3	18,1
	8	362,0	RD2514	1205	376	517,5	879,5	101,6	4 - 12	41,3	25,4	63,5	54,0	1 1/2-16 x 25,4	9,5	54,0	65,1	33,2	10,4	23,4	7,3	29,5
55	28	158,8	RD556	1132	577	329,4	488,2	127,0	5 - 12	41,3	33,3	63,5	66,7	1 11/16-8 x 30,2	15,9	66,7	95,3	71,2	36,3	50,1	25,6	27,9
	28	333,4	RD5513	2376	1212	504,0	837,4	127,0	5 - 12	41,3	33,3	63,5	66,7	1 11/16-8 x 30,2	15,9	66,7	95,3	71,2	36,3	50,1	25,6	40,9
	28	460,4	RD5518	3280	1673	657,2	1117,6	127,0	5 - 12	41,3	33,3	63,5	66,7	1 11/16-8 x 30,2	15,9	66,7	95,3	71,2	36,3	50,1	25,6	64,5
80	44	333,4	RD8013	3421	1901	517,5	850,9	146,1	5 3/4 - 12	41,3	38,1	63,5	76,2	2-4 1/2 x 38,1	14,3	73,0	114,3	102,6	57,0	72,1	40,1	53,6
	44	168,3	RD1006	2242	959	350,0	518,3	174,6	6 7/8 - 12	41,3	38,1	63,5	98,4	2 3/4-12 x 29,4	15,9	98,4	130,2	133,1	57,0	93,5	40,1	57,2
100	44	333,4	RD10013	4440	1902	515,1	848,5	174,6	6 7/8 - 12	41,3	38,1	63,5	98,4	2 3/4-12 x 29,4	15,9	98,4	130,2	133,1	57,0	93,5	40,1	82,2
	44	511,2	RD10020	6809	2919	718,3	1229,5	174,6	6 7/8 - 12	41,3	38,1	63,5	98,4	2 3/4-12 x 29,4	15,9	98,4	130,2	133,1	57,0	93,5	40,1	118,0
	73	168,3	RD1506	3334	1606	377,8	546,1	209,6	8 1/4 - 12	41,3	50,8	63,5	114,3	3 1/4-8 x 38,1	20,6	114,3	158,8	197,9	95,3	139,1	66,9	85,4
150	73	333,4	RD15013	6604	3180	542,9	876,3	209,6	8 1/4 - 12	41,3	50,8	63,5	114,3	3 1/4-8 x 38,1	20,6	114,3	158,8	197,9	95,3	139,1	66,9	123,5
	73	460,4	RD15018	9132	4392	673,9	1134,3	209,6	8 1/4 - 12	41,3	50,8	63,5	114,3	3 1/4-8 x 38,1	19,1	114,3	158,8	197,9	95,3	139,1	66,9	170,7
	113	168,3	RD2006	4485	2457	406,4	574,7	241,3	9 1/2 - 12	41,3	63,5	68,3	123,8	3 1/4-8 x 57,1	27,0	114,3	184,2	266,3	145,9	187,2	102,6	118,9
200	113	333,4	RD20013	8886	4869	571,5	904,9	241,3	9 1/2 - 12	41,3	63,5	68,3	123,8	3 1/4-8 x 57,1	27,0	114,3	184,2	266,3	145,9	187,2	102,6	161,6
	113	460,4	RD20018	12270	6722	723,9	1184,3	241,3	9 1/2 - 12	41,3	63,5	68,3	123,8	3 1/4-8 x 57,1	27,0	114,3	184,2	266,3	145,9	187,2	102,6	200,7
	147	152,4	RD3006	5920	2903	488,9	591,3	273,1	10 1/2 - 12	60,3	85,7	85,7	158,8	2 1/2-12 x 82,5	28,6	174,6	222,3	387,8	190,0	272,7	133,6	172,5
300	147	330,2	RD30013	12825	6281	630,2	960,4	273,1	10 1/2 - 12	60,3	85,7	85,7	158,8	2 1/2-12 x 82,5	28,6	174,6	222,3	387,8	190,0	272,7	133,6	296,9
	186	152,4	RD4006	7724	4051	489,7	642,1	320,7	12 1/2 - 8	69,9	97,6	184,2	184,2	3-12 x 92,2	31,8	198,4	254,0	506,6	240,3	356,2	169,0	265,6
400	186	330,2	RD40013	16744	8790	667,5	997,7	320,7	12 1/2 - 8	69,9	97,6	184,2	184,2	3-12 x 92,2	31,8	198,4	254,0	506,6	240,3	356,2	169,0	349,6
	245	152,4	RD5006	9774	4838	522,3	674,7	374,7	14 3/4 - 8	79,4	105,6	105,6	203,2	3 1/4-12 x 107,9	38,1	215,9	285,8	641,1	317,0	450,8	222,8	371,8
500	245	330,2	RD50013	21189	10480	700,1	1030,3	374,7	14 3/4 - 8	79,4	105,6	105,6	203,2	3 1/4-12 x 107,9	38,1	215,9	285,8	641,1	317,0	450,8	222,8	495,8

Model Shown:
R2802C



Technical Dimensions



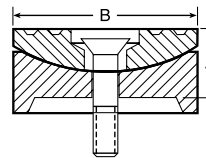
Features

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.



Optional Swivel Load Caps Ordering Info



Cylinder Tonnage	Swivel Cap Order No.	Wt. (kg)	A (mm)	B (mm)
150-200	420867	4,0	38,1	130,2
280	420868	6,1	44,5	149,2
355	420869	16,8	69,9	195,3
430	420870	23,6	79,4	225,4
565	420871	35,4	92,1	250,8

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.

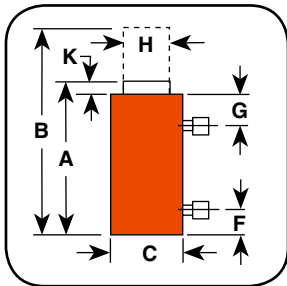
Ordering Information

Cyl. Cap. (ton)	Stroke (mm)	Order No.	Oil Cap. (cm ³)	A	B	C	F	H	K	Bore Dia. (mm)	Cylinder Effective Area (cm ²)	Metric Tons at 700 (bar)	Prod. Wt. (kg)
				Retracted Height (mm)	Extended Height (mm)	Outside Dia. (mm)	Base to Port (mm)	Piston Rod Dia. (mm)	Piston Rod Protrusion (mm)				
55	50,8	R552C	362	125,4	176,2	127,0	25,4	95,3	3,2	95,3	71,2	50,1	12,3
	152,4	R556C	1087	227,0	379,4	127,0	25,4	95,3	3,2	95,3	71,2	50,1	22,7
	254,0	R5510C	1811	328,6	582,6	127,0	25,4	95,3	3,2	95,3	71,2	50,1	32,7
100	50,8	R1002C	677	139,7	190,5	165,1	25,4	130,2	3,2	130,2	133,1	93,6	23,6
	152,4	R1006C	2030	241,3	393,7	165,1	25,4	130,2	3,2	130,2	133,1	93,6	40,4
150	50,8	R1502C	1007	161,9	212,7	204,8	31,8	158,8	3,2	158,8	197,9	139,1	41,8
	152,4	R1506C	3019	263,5	415,9	204,8	31,8	158,8	3,2	158,8	197,9	139,1	68,6
	254,0	R15010C	5032	365,1	619,1	204,8	31,8	158,8	3,2	158,8	197,9	139,1	95,3
200	50,8	R2002C	1355	190,5	241,3	235,0	41,3	184,2	3,2	184,2	266,3	187,2	65,8
	152,4	R2006C	4062	292,1	444,5	235,0	41,3	184,2	3,2	184,2	266,3	187,2	100,3
280	50,8	R2802C	1861	190,5	241,3	260,4	41,3	215,9	3,2	215,9	365,9	257,5	91,6
	152,4	R2806C	5583	292,1	444,5	276,2	41,3	215,9	3,2	215,9	365,9	257,5	136,7
355	50,8	R3552C	2326	231,8	282,6	298,5	54,0	241,3	3,2	241,3	457,2	321,4	137,1
	152,4	R3556C	6975	333,4	485,8	298,5	54,0	241,3	3,2	241,3	457,2	321,4	197,0
	254,0	R35510C	11624	435,0	689,0	298,5	54,0	241,3	3,2	241,3	457,2	321,4	256,5
430	50,8	R4302C	2841	263,5	314,3	330,2	63,5	266,7	3,2	266,7	558,5	392,7	199,8
	152,4	R4306C	18548	365,1	517,5	330,2	63,5	266,7	3,2	266,7	558,5	392,7	276,5
565	50,8	R5652C	3710	292,1	342,9	377,8	69,9	304,8	3,2	304,8	729,5	512,9	289,7
	152,4	R5656C	11129	393,7	546,1	377,8	69,9	304,8	3,2	304,8	729,5	512,9	389,5
	254,0	R56510C	18548	495,3	749,3	377,8	69,9	304,8	3,2	304,8	729,5	512,9	489,4

Model Shown:
R2806D, R1502D



► **Technical Dimensions**



► **Ordering Information**

Cyl. Cap. (ton)	Stroke (mm)	Order No.	Oil Cap. (cm ³)		A	B	C	F	G	H	K	Bore Dia. (mm)	Cylinder Effective Area (cm ²)	Metric Tons at 700 (bar)	Prod. Wt. (kg)
					Retracted Height (mm)	Extended Height (mm)	Outside Dia. (mm)	Base to Port (mm)	Cylinder Top to Port (mm)	Piston Rod Dia. (mm)	Piston Rod Protrusion (mm)				
			Push	Return											
100	50,8	R1002D	675	315	168,7	219,5	165,1	25,4	55,9	95,3	7,1	130,3	132,9	93,4	24,5
	152,4	R1006D	2025	944	270,3	422,7	165,1	25,4	55,9	95,3	7,1	130,3	132,9	93,4	36,7
	254,0	R10010D	3376	1573	371,9	625,9	165,1	25,4	55,9	95,3	7,1	130,3	132,9	93,4	49,0
150	50,8	R1502D	1006	485	189,0	239,8	204,7	31,8	57,2	114,3	7,6	158,8	198,1	139,1	43,1
	152,4	R1506D	3019	1455	290,6	443,0	204,7	31,8	57,2	114,3	7,6	158,8	198,1	139,1	61,7
200	50,8	R2002D	1354	642	206,8	257,6	235,0	41,4	58,7	133,4	8,6	184,2	266,5	187,2	61,7
	152,4	R2006D	4061	1927	308,4	460,8	235,0	41,4	58,7	133,4	8,6	184,2	266,5	187,2	84,8
	254,0	R20010D	6768	3212	410,0	664,0	235,0	41,4	58,7	133,4	8,6	184,2	266,5	187,2	108,4
280	50,8	R2802D	1858	773	233,7	284,5	276,4	47,8	65,5	165,1	10,4	215,9	365,8	257,3	99,3
	152,4	R2806D	5575	2320	335,3	487,7	276,4	47,8	65,5	165,1	10,4	215,9	365,8	257,3	134,7
	254,0	R28010D	9291	3867	436,9	690,9	276,4	47,8	65,5	165,1	10,4	215,9	365,8	257,3	170,6
355	50,8	R3552D	2324	777	66,8	339,9	298,5	54,1	69,9	196,9	11,2	241,3	457,4	321,4	147,0
	152,4	R3556D	6971	2330	390,7	543,1	298,5	54,1	69,9	196,9	11,2	241,3	457,4	321,4	191,0
430	50,8	R4302D	2838	977	312,7	363,5	330,2	63,5	74,9	215,9	11,9	266,7	558,7	392,7	199,1
	152,4	R4306D	8515	2930	414,3	566,7	330,2	63,5	74,9	215,9	11,9	266,7	558,7	392,7	253,1
	254,0	R43010D	14191	4883	515,9	769,9	330,2	63,5	74,9	215,9	11,9	266,7	558,7	392,7	305,3
565	50,8	R5652D	3707	1259	345,2	396,0	378,0	69,9	81,3	247,7	14,0	304,8	729,7	512,9	280,8
	152,4	R5656D	11120	3776	446,8	599,2	378,0	69,9	81,3	247,7	14,0	304,8	729,7	512,9	350,2
	254,0	R56510D	18534	6293	548,4	802,4	378,0	69,9	81,3	247,7	14,0	304,8	729,7	512,9	420,0

► **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**

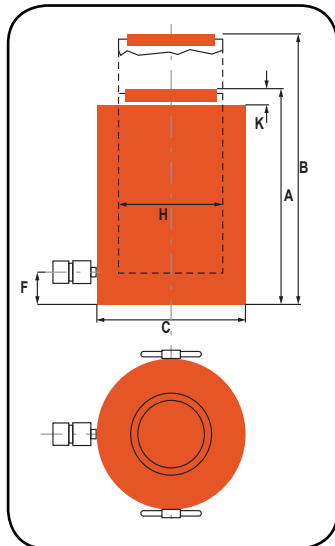
Heavy-duty and thermo plastic hydraulic hoses to meet your requirements and safety factor.

Refer to the accessories section for details.

Model Shown:
RC7406C



Technical Dimensions



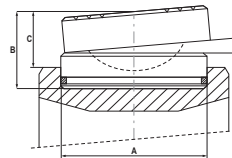
Features

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. (kg)	A (mm)	B (mm)	C (mm)
RC740_D	2000822	19,3	200,1	78,7	55,9
RC965_D	2000823	40	248,9	104,1	76,2
RC1220_D	2000825	113	322,6	175,3	124,5



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. (ton)	Stroke (mm)	Order No.	Oil Cap. (cm ³)	A	B	C	F	H	K	Bore Dia. (mm)	Cylinder Effective Area (cm ²)	Metric Tons at 700 (bar)	Prod. Wt. (kg)
				Retracted Height (mm)	Extended Height (mm)	Outside Dia. (mm)	Base to Port (mm)	Piston Rod Dia. (mm)	Piston Rod Protrusion (mm)				
740	50,8	RC7402C	4811	265	315	430	65	350	9	350	962,0	673,5	300
	152,4	RC7406C	14432	365	515	430	65	350	9	350	962,0	673,5	416
	254,0	RC74010C	24053	465	715	430	65	350	9	350	962,0	673,5	530
965	50,8	RC9652C	6280	290	340	490	70	400	10	400	1256,6	878,7	423
	152,4	RC9656C	18848	390	540	490	70	400	10	400	1256,6	878,7	577
	254,0	RC96510C	31401	490	740	490	70	400	10	400	1256,6	878,7	725
1220	50,8	RC12202C	7949	415	465	550	80	450	10	450	1590,4	1113,3	766
	152,4	RC12206C	23856	440	665	550	80	450	10	450	1590,4	1113,3	960
	254,0	RC122010C	40184	615	865	550	80	450	10	450	1590,4	1113,3	1147

Model Shown:
RC7406D

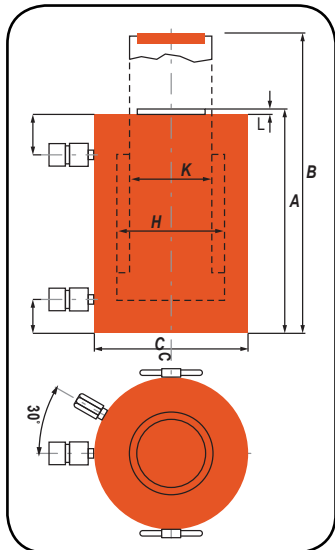


Features

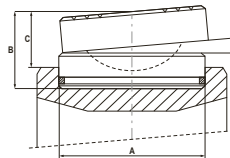
HIGH-TONNAGE CYLINDERS RUGGED AND RELIABLE.

- 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.

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. (kg)	A (mm)	B (mm)	C (mm)
RC740 D	2000822	19,3	200,1	78,7	55,9
RC965 D	2000823	40	248,9	104,1	76,2
RC1220 D	2000825	113	322,6	175,3	124,5

Ordering Information

Cyl. Cap. (ton)	Stroke (mm)	Order No.	Oil Cap. (cm³)	A	B	C	F	G	H	K	L	Cylinder Effective Area (cm²)	Metric Tons at 700 (bar)	Prod. Wt. (kg)
				Retracted Height (mm)	Extended Height (mm)	Outside Dia. (mm)	Base to Port (mm)	Cylinder Top to Port (mm)	Bore Dia. (mm)	Piston Rod Dia. (mm)	Piston Rod Protrusion (mm)			
740	50,8	RC7402D	4811	283	333	430	65	105	350,5	280	9	673,5	673,5	304
	152,4	RC7406D	14432	398	548	430	65	105	350,5	280	9	673,5	673,5	398
	254,0	RC74010D	24053	508	758	430	65	105	350,5	280	9	673,5	673,5	490
965	50,8	RC9652D	6283	310	360	490	70	115	398,8	320	10	878,7	879,7	434
	152,4	RC9656D	18849	420	570	490	70	115	398,8	320	10	878,7	879,7	551
	248,9	RC96510D	31400	530	780	490	70	115	398,8	320	10	878,7	879,7	668
1220	50,8	RC12202D	7952	330	380	550	80	125	449,6	360	10	1113,3	1.113,3	584
	152,4	RC12206D	23856	440	590	550	80	125	449,6	360	10	1113,3	1.113,3	731
	254,0	RC122010D	39761	550	800	550	80	125	449,6	360	10	1113,3	1.113,3	878

Model Shown:

RA1006L, RA556L



>Features

POSITIVE MECHANICAL LOCKING COLLAR TO SUPPORT EXTENDED LOAD HOLDING.

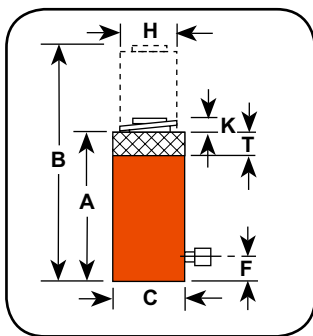
- Supports lifted load for extended periods of time with hydraulic pressure released.
- At half the weight of steel cylinders of comparable capacity, aluminum cylinders are ideal when portability is a key factor.
- Features carrying handle.
- Complies with ANSI / ASME B30.1 safety standards.

i Locking Collar



Locking collar feature permits non-hydraulic support of load.

▶ Technical Dimensions



i 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.

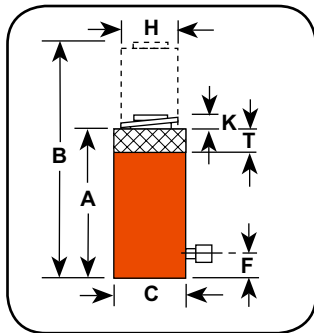
▶ Ordering Information

Cyl. Cap.	Stroke	Order No.	Oil Cap.	A	B	C	F	H	K	T	Bore Dia.	Cylinder Effective Area	Metric Tons at 700	Prod. Wt.
				Retracted Height	Extended Height	Outside Dia.	Base to Port	Piston Rod Dia.	Piston Rod Protrusion	Nut Thickness				
(ton)	(mm)		(cm ³)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(cm ²)	(bar)	(kg)
55	155,5	RA556L	1109	317,5	473,1	133,4	34,9	82,6	12,7	38,1	95,3	71,2	50,1	13,4
100	158,8	RA1006L	2116	339,7	498,5	187,3	30,2	114,3	6,4	38,1	130,2	133,0	93,5	29,0

Model Shown:
R556L



► **Technical Dimensions**



► **Ordering Information**

Cyl. Cap. (ton)	Stroke (mm)	Order No.	Oil Cap. (cm ³)	A	B	C	F	K	L	T	Bore Dia. (mm)	Cylinder Effective Area (cm ²)	Metric Tons at 700 (bar)	Prod. Wt. (kg)
				Retracted Height (mm)	Extended Height (mm)	Outside Dia. (mm)	Base to Port (mm)	Piston Rod Dia. (mm)	Piston Rod Protrusion (mm)	Nut Thickness (mm)				
55	50,8	R552L	362	161,9	212,7	125,4	25,4	95,3	3,2	36,5	95,3	71,2	50,1	15,3
	152,4	R556L	1087	263,5	415,9	125,4	25,4	95,3	3,2	36,5	95,3	71,2	50,1	26,3
	254,0	R5510L	1811	365,1	619,1	125,4	25,4	95,3	3,2	36,5	95,3	71,2	50,1	36,3
100	50,8	R1002L	677	184,2	235,0	165,1	25,4	130,2	3,2	44,5	130,2	133,1	93,4	30,0
	152,4	R1006L	2030	285,8	438,2	165,1	25,4	130,2	3,2	44,5	130,2	133,1	93,4	46,8
	254,0	R10010L	3383	387,4	641,4	165,1	25,4	130,2	3,2	44,5	130,2	133,1	93,4	64,5
150	50,8	R1502L	1007	206,4	257,2	204,8	31,8	158,8	3,2	44,5	158,8	197,9	139,1	53,0
	152,4	R1506L	3019	308,0	460,4	204,8	31,8	158,8	3,2	44,5	158,8	197,9	139,1	80,4
	254,0	R15010L	5027	409,7	663,7	204,7	31,8	158,8	3,2	44,5	158,8	197,9	153,4	106,6
200	50,8	R2002L	1355	241,3	292,1	235,0	41,3	184,2	3,2	50,8	184,2	266,3	187,2	83,1
	152,4	R2006L	4062	342,9	495,3	235,0	41,3	184,2	3,2	50,8	184,2	266,3	187,2	117,6
	203,2	R2008L	3303	393,7	596,9	234,6	41,4	184,2	3,2	50,8	184,2	266,3	206,4	102,2
280	50,8	R2802L	1861	247,7	298,5	276,2	41,3	215,9	3,2	57,2	215,9	366,0	257,3	118,5
	152,4	R2806L	5583	349,3	501,7	276,2	41,3	215,9	3,2	57,2	215,9	366,0	257,3	163,0
	254,0	R28010L	9305	450,9	704,9	276,2	41,3	215,9	3,2	57,2	215,9	366,0	257,3	208,1
355	50,8	R3552L	2326	292,1	342,9	298,5	54,0	241,3	3,2	60,3	241,3	457,2	321,4	173
	152,4	R3556L	6975	393,7	546,1	298,5	54,0	241,3	3,2	60,3	241,3	457,2	321,4	232,5
430	50,8	R4302L	2841	333,4	384,2	330,2	63,5	266,7	3,2	69,9	266,7	558,5	392,7	252,4
	152,4	R4306L	9520	435,0	587,4	330,2	63,5	266,7	3,2	69,9	266,7	558,5	392,7	329,2
	254,0	R43010L	14201	536,6	790,6	330,2	63,5	266,7	3,2	69,9	266,7	558,5	392,7	405,9
565	50,8	R5652L	371	371,2	422,3	377,8	69,9	304,8	3,2	79,4	304,8	729,5	512,9	368,2
	152,4	R5656L	11129	473,1	625,5	377,8	69,9	304,8	3,2	79,4	304,8	729,5	512,9	468,0
	254,0	R56510L	18548	574,7	828,7	377,8	69,9	304,8	3,2	79,4	304,8	729,5	512,9	568,0

NOTE: Supported loads not to exceed the rated capacity of the cylinders. Not intended to support additional dynamic loads, such as those applied by moving vehicles.

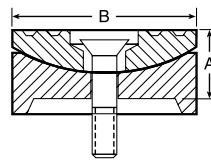
► **Features**

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. (kg)	A (mm)	B (mm)
55-100	420866	0,8	25,4	71,4
150-200	420867	4,8	38,1	130,2
280	420868	6,1	44,5	149,2
355	420869	16,8	69,9	195,3
430	420870	23,6	79,4	225,4
565	420871	35,4	92,1	250,8

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

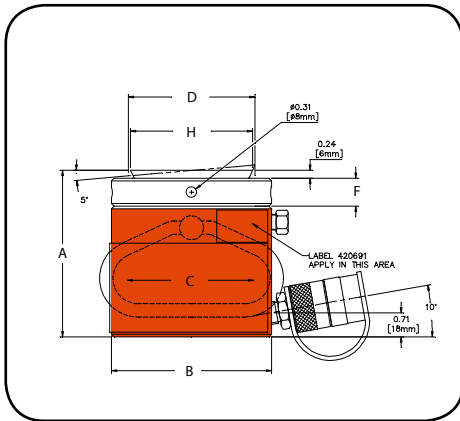


Features

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	Metric Tons at 700	Prod. Wt.
				Retracted Height	Outside Dia.	Bore Dia.	Piston Thread Dia.	Base to Port	Nut Thickness	Swivel Cap Protrusion	Swivel Cap Dia.		
(ton)	(mm)		(cm ³)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(bar)	(kg)
55	50,8	RC0552P	355	125	120	95	3.74 x 4	19	21	6	92	50	11
100	44,5	RC1002P	597	137	165	130	5.12 x 6	21	31	8	126	100	22
155	44,5	RC1552P	905	148	205	160	6.30 x 6	27	38	9	148	155	39
240	44,5	RC2402P	1413	155	255	200	7.87 x 6	28	40	10	157	240	59
380	44,5	RC3802P	2208	178	320	250	9.84 x 6	35	50	11	240	380	110
620	44,5	RC6202P	3617	192	405	320	12.60 x 6	38	60	10	295	620	193

Model Shown:

RC7402L, RC9656L

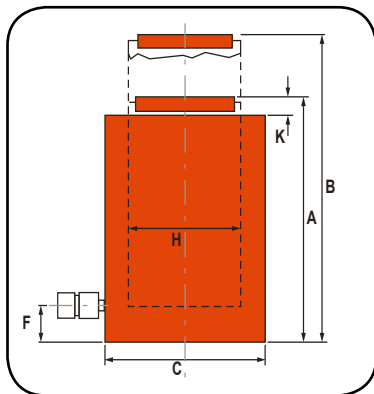


Features

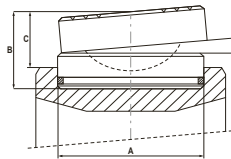
POSITIVE MECHANICAL LOCK TO SUPPORT LOAD.

- 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.

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. (kg)	A (mm)	B (mm)	C (mm)
RC740_L, RC965_L	2000824	72,0	289,6	139,7	99,1
RC1220_L	2000825	113,0	322,6	175,3	124,5

Ordering Information

Cyl. Cap. (ton)	Stroke (mm)	Order No.	Oil Cap. (cm ³)	A	B	C	F	K	L	Piston Thread Dia. (mm)	Cylinder Effective Area (cm ²)	Metric Tons at 700 (bar)	Prod. Wt. (kg)
				Retracted Height (mm)	Extended Height (mm)	Outside Dia. (mm)	Base to Port (mm)	Bore Dia. (mm)	Piston Rod Protrusion (mm)				
740	50,8	RC7402L	4811	12,0	14,0	16,9	2,6	13,8	0,2	TR350 X 6	962,0	673,5	545
	152,4	RC7406L	14432	16,5	22,4	16,9	2,6	13,8	0,2	TR350 X 6	962,0	673,5	683
	254,0	RC74010L	24053	21,1	30,9	16,9	2,6	13,8	0,2	TR350 X 6	962,0	673,5	821
965	50,8	RC9652L	6280	12,8	14,8	19,3	2,8	15,7	0,2	TR400 X 6	1256,6	879,7	714
	152,4	RC9656L	18849	17,3	23,2	19,3	2,8	15,7	0,2	TR400 X 6	1256,6	879,7	990
	254,0	RC96510L	31400	21,9	31,7	19,3	2,8	15,7	0,2	TR400 X 6	1256,6	879,7	1170
1220	50,8	RC12202L	7949	13,4	15,4	21,7	3,1	17,7	0,2	TR450 X 6	1590,4	1113,3	969
	152,4	RC12206L	23857	19,1	25,0	21,7	3,1	17,7	0,2	TR450 X 6	1590,4	1113,3	1310
	254,0	RC122010L	39741	23,6	33,5	21,7	3,1	17,7	0,2	TR450 X 6	1590,4	1113,3	1530