

CYLINDERS

FROM
2
TO
1220
TONS!

SUPERIOR FEATURES OF POWER TEAM HYDRAULIC CYLINDERS:

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

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

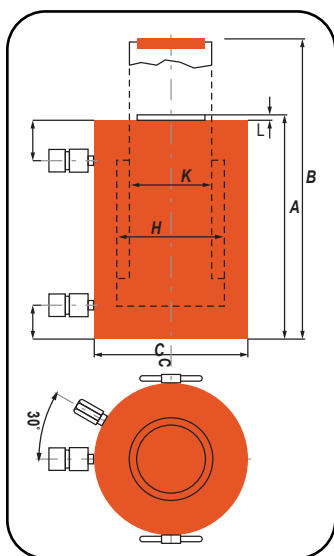


Page Description	Cylinder Movement	Type of Return	Tonnage Range	Page(s)
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RLS	Single-Acting	Spring	5-150	18
RSS	Single-Acting Double-Acting	Spring	10-250	19-20
RH	Single-Acting Double-Acting	Spring Hydraulic	100-100 30-200	21-22
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RC_C RC_D	Single-Acting Double-Acting	Load Hydraulic	740-1220 740-1220	37-38
RA_L R_L	Single-Acting, Locking	Load	55-100 55-565	39-40
RC_P	Single-Acting, Locking	Load	55-620	41
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Model Shown:
RC7406D



Technical Dimensions



Features

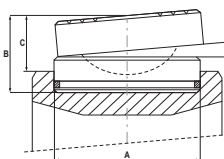
HIGH-TONNAGE CYLINDERS RUGGED AND RELIABLE.

- Cylinders come standard with hardened caps.
- Cylinders may be “dead-ended” without damage.
- Safety relief valve prevents over-pressurization of the retract circuit.
- Each cylinder has two 9796 3/8” NPTF female half couplers.
- Complies with ANSI / ASME B30.1 Safety Standards.

Cylinders



Optional Swivel Load Caps Ordering Info



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

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

Ordering Information

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