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.

POWERTHON™ LIFETIME WARRANTY

ISO 9001 CERTIFIED

Page Description	Cylinder Movement	Type of Return	Tonnage Range	Page(s)
Introduction	-	-	-	5-10
C	Single-Acting	Spring	5-100	11-12
CBT	Single-Acting	Spring	5-25	13
RP	Single-Acting	Spring	2-5	14
C Accessories	-	-	-	5-16
RA	Single-Acting	Spring	20-100	17
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
RT	Single-Acting	Spring	17.5-100	23-24
RGG	Single-Acting	Load	55-600	25-28
RDG	Double-Acting	Hydraulic	55-600	29-32
RD	Double-Acting	Hydraulic	10-500	33-34
R	Single-Acting Double-Acting	Spring Hydraulic	55-565 100-565	35-36
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
RC_L Series	Single-Acting, Locking	Load	740-1220	42

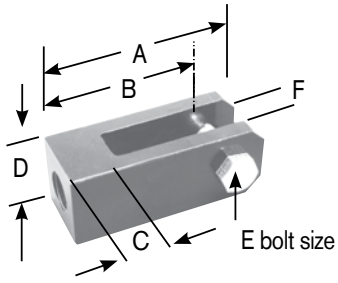
Model Shown:
RP25, RP55

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.

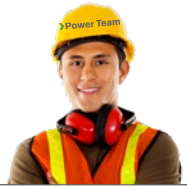
Clevis Ordering Information



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

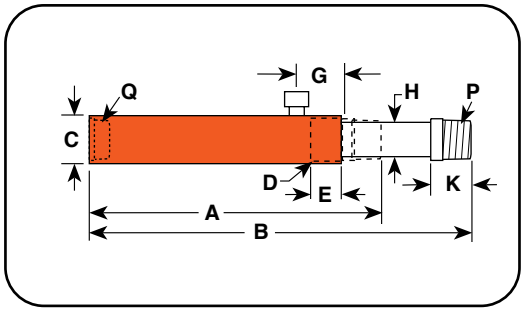
* For base mounting, extension rod 351106 is required.
** For base mounting, extension rod 351075 is required.

Learn More - About Hydraulic Safety Insight



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

Technical Dimensions



Ordering Information

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