

Center Hole CYLINDERS RT SERIES

17½-100 Ton
Single-Acting, Spring-Return & Double-Acting

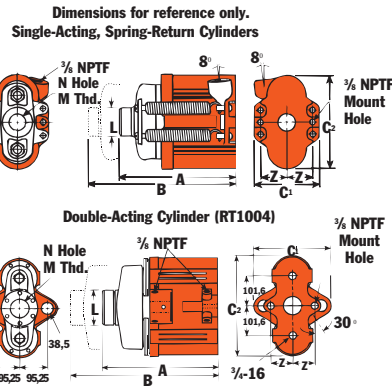
Ideal for pulling and pressing.



ASME B30.1
700 BAR

- A proven design; used throughout industry for over 40 years.
- Cylinders withstand full "dead-end" loads.
- Compact design; ideal for applications in which space is limited.
- Basic head can be changed from a tapped hole to plain hole by simply changing insert. (See page 41)
- Pistons have "Power Tech" treatment for corrosion and abrasion resistance.

RT 302



RT 302



Cyl. Capacity (Tons)	Stroke (mm)	Order No.	Oil Cap. (cm ³)	Push		A Re-tracted Height (mm)	B Ex-tended Height (mm)	C1 Out-side Dia. (mm)	C2 Out-side Dia. (mm)	L Load Dia. (mm)	M Load Cap Thread (in.)	N Center Hole Dia. (mm)	Z Mounting Hole Location (mm)	Cyl. Mounting Hole (mm)	Metric Area (cm ²)	Tons at 700 bar	Weight (kg)
				Return	Cap												
17,5	50,8	RT172	116	-	174,6	225,4	95,3	146,1	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	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	238,1	73,0	1 1/2-5 1/2	42,5	60,3	16,7	63,3	44,5	25,4
100	123,8	RT1004**	1583	1037	384,2	508,0	266,7	336,6	336,6	120,7	2 1/2-8	65,1	73,0	19,8	124,1*	87,3	72,6

* Push side only.
** 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.

Pulling CYLINDERS RP SERIES

2 & 5 Ton
Single-Acting,
Spring-Return

Designed for pulling and tensioning.

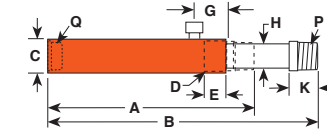


RP25

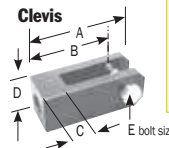
RP55

- Heavy duty compression spring provides long cycle life and rapid extension of piston.
- Spring automatically extends piston rod when pump pressure is released.

ASME B30.1
700 BAR



Cyl. Cap. (Tons)	Stroke (mm)	Order No.	Oil Cap. (cm ³)	A Re-tracted Height (mm)	B Ex-tended Height (mm)	C Outside Dia. (mm)	D Collar Thread (in.)	E Collar Thread Length (mm)	G Cylinder Top to Port (mm)	H Piston Rod Dia. (mm)	K Piston Rod Protrusion (mm)	P Piston Rod Thread (NPTF)	Q Piston Rod Thread (NPTF)	Bore Dia. (mm)	Cyl. Eff. Area (cm ²)	Metric Tons at 700 bar	Weight (kg)
2	127,0	RP25	45	242,9	379,9	44,5	1 1/2-16	25,4	42,9	19,1	25,4	1/4-14	1/4-14	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



Clevis ORDERING INFORMATION

Use with Cyl No.	Order No.	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
RP25	421057*	130,3	109,5	33,3	50,8	19,1
RP55	421056**	152,4	127,0	38,1	63,5	22,4

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

