

**IDEAL FOR CONFINED AREAS FROM
3-1/2" TO 11-7/16" CLEARANCE.**

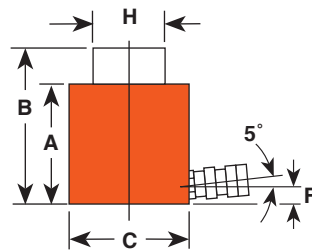
- Power Tech plated piston rods and gland nuts resist scoring and corrosion.
- Heavy duty return spring (except for double-acting models) provides fast piston return & low collapsed height.
- Coupler on 10 thru 50 ton models is angled upward 5° for added clearance.
- Grooved piston top keeps load from sliding.
- Cylinders can be "dead-ended" at full capacity.
- Removable carrying handles on 100 ton and 250 ton models.



RSS2503



Cribbing blocks are shown in a 30 ton RSS302 "Shorty" cylinder. For more information see pg 38.



RSS302

ASME B30.1
10,000 PSI

| Cyl Capacity (Tons) | Stroke (in.) | Order No. | Oil Cap. (cu. in.) | | A | B | C | F | H | Bore Dia. (in.) | Cylinder Effective Area (sq. in.) | Internal Press. at Cap. (psi) | Tons | |
|---------------------------|-----------------|--------------|--------------------------|-------------|------------------------------|-----------------------------|--------------------------|-----------------------------|--------------------------------|-----------------------|--|--|---------------|------------------------|
| | | | | | Retracted Height (in.) | Extended Height (in.) | Outside Dia. (in.) | Base to Port (in.) | Piston Rod Dia. (in.) | | | | 10,000 psi | Prod. Wt. (lbs.) |
| | | | | Push Return | | | | | | | | | Push | |
| 10 | 1 1/2 | RSS101 | 3.4 | — | 3 1/2 | 5 | 2 3/4 | 5/8 | 1 1/2 | 1 11/16 | 2.24 | 8,943 | 11.2 | 6.0 |
| 20 | 1 3/4 | RSS202 | 7.7 | — | 3 3/4 | 5 1/2 | 3 9/16 | 5/8 | 2 5/32 | 2 3/8 | 4.43 | 9,029 | 22.1 | 9.9 |
| 30 | 2 7/16 | RSS302 | 15.8 | — | 4 5/8 | 7 1/16 | 4 | 5/8 | 2 1/2 | 2 7/8 | 6.49 | 9,243 | 32.5 | 14.7 |
| 50 | 2 3/8 | RSS502 | 22.8 | — | 5 | 7 3/8 | 4 7/8 | 3/4 | 3 1/8 | 3 1/2 | 9.62 | 10,393 | 48.1 | 23.2 |
| 100 | 2 1/4 | RSS1002 | 44.2 | — | 5 1/2 | 7 3/4 | 6 5/8 | 1 5/16 | 4 3/8 | 5 | 19.63 | 10,186 | 98.2 | 47.3 |
| 100 | 1 1/2 | RSS1002D | 29.4 | 12.9 | 5 11/16 | 7 3/16 | 6 7/8 | 1 5/16* | 3 3/4 | 5 | 19.63 | 10,186 | 98.2 | 54.6 |
| 250 | 3 | RSS2503 | 150.6 | — | 11 7/16 | 14 7/16 | 9 7/8 | 1 13/16 | 5 1/2 | 8 | 50.22 | 9,956 | 251.1 | 220.0 |

*Cylinder top to port is 1 9/16

See pages 28-33 & 124-133 for hydraulic accessories.

SHORTY

RSS Series

10-250 Ton

Single-Acting, Spring Return
& Double-Acting



CYLINDERS