

- Bronze 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.



RSS302  
ASME B30.1  
700 bar

## Shorty CYLINDERS RSS SERIES

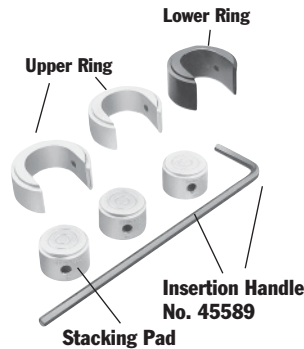
**10-250 Ton**  
Single-Acting,  
Spring-Return &  
Double-Acting

Ideal for confined areas from  
89 to 290,5 mm clearance.

CYLINDERS



Cribbing blocks are shown in a 30 ton RSS302 “Shorty” cylinder.

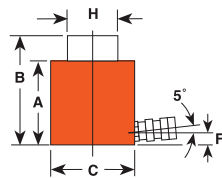
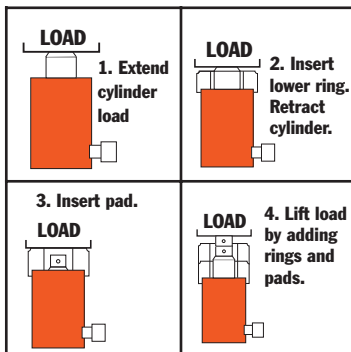
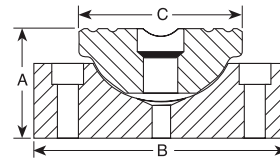


Convert Power Team “Shorty” cylinders to mechanical cribbing devices; more stable than timber or other awkward, makeshift methods. Ideal for lifting applications such as structure moving. Reduce cribbing time dramatically. In effect, increases the stroke of the cylinder; stacking pads act as cylinder extensions:

1. Extend cylinder and insert lower supporting ring.
2. Retract cylinder, insert a stacking pad.
3. Extend cylinder again; pad increases cylinder stroke.
4. Repeat process until all rings and pads are used.

Each cribbing block set includes rings, pads and insertion handle (Optional).

- No. **CB30** — Cribbing block set for use with No. RSS302; 30 ton cylinder.
- No. **CB50** — Cribbing block set for use with No. RSS502; 50 ton cylinder.
- No. **CB100** — Cribbing block set for use with No. RSS1002; 100 ton cylinder.
- No. **45589** — Insertion handle is used for inserting rings and pads.



**SWIVEL CAPS FOR “RSS”,**  
Reduce the effects of  
off center loading. Tilts up to 5°.  
(Available as optional)

Use with Cyl. No.	Swivel Cap Order No.	Weight (kg)	A (mm)	B (mm)	C (mm)
RSS101	<b>350320</b>	0,2	25,4	36,5	36,5
RSS202	<b>350321</b>	0,6	34,9	54	54
RSS302	<b>350322</b>	0,7	34,9	63,5	54
RSS502	<b>350331</b>	1,2	36,5	82,6	54
RSS1002	<b>350332</b>	3,0	46	111,1	85,7

Cyl Capacity (Tons)	Stroke (mm)	Order No.	Oil Cap. (cm <sup>3</sup> )		A Retracted Height (mm)	B Extended Height (mm)	C Outside Dia. (mm)	F Base to Port (mm)	H Piston Rod Dia. (mm)	Bore Dia. (mm)	Cylinder Effective Area (cm <sup>2</sup> )	Metric Tons at 700 (bar)	Weight (kg)
			Push	Return									
10	38,1	<b>RSS101</b>	56	–	88,9	127,0	69,9	15,9	38,1	42,9	14,4	10,2	2,7
20	44,5	<b>RSS202</b>	126	–	95,3	139,7	90,5	15,9	54,8	60,3	28,6	20,0	4,5
30	61,9	<b>RSS302</b>	259	–	117,5	179,4	101,6	15,9	63,5	73,0	41,9	29,5	6,7
50	60,3	<b>RSS502</b>	374	–	127,0	187,3	123,8	19,1	79,4	88,9	62,0	43,6	10,5
100	57,2	<b>RSS1002</b>	725	–	139,7	196,9	168,3	23,8	111,1	127,0	126,6	89,1	21,4
100	38,1	<b>RSS1002D†</b>	482	212	144,5	182,6	174,6	23,8 *	95,3	127,0	126,6	89,1	24,7
250	76,2	<b>RSS2503</b>	2.469	–	290,5	366,7	250,8	46,0	139,7	203,2	323,9	227,8	99,7

\*Cylinder top to port is 40 mm

†Double-acting