



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)
m	Introduction	-	-	-	5-10
OVVER TAAR	С	Single-Acting	Spring	5-100	11-12
POWR TRAM	СВТ	Single-Acting	Spring	5-25	13
	RP	Single-Acting	Spring	2-5	14
	C Accessories	-	-	-	5-16
POWERTRAN	RA	Single-Acting	Spring	20-100	17
	RLS	Single-Acting	Spring	5-150	18
	RSS	Single-Acting Double-Acting	Spring	10-250	19-20
Q man	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
POWE TAM	RDG	Double-Acting	Hydraulic	55-600	29-32
	RD	Double-Acting	Hydraulic	10-500	33-34
THE TABLE	R	Single-Acting Double-Acting	Spring Hydraulic	55-565 100-565	35-36
POWER TIAM	RC_C RC_D	Single-Acting Double-Acting	Load Hydraulic	740-1220 740-1220	37-38
POOR TO THE POOR T	RA_L R_L	Single-Acting, Locking	Load	55-100 55-565	39-40
	RC_P	Single-Acting, Locking	Load	55-620	41
POWER TRAM	RC_L Series	Single-Acting, Locking	Load	740-1220	42

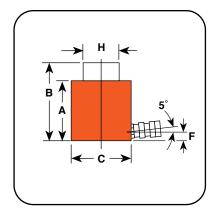
SERIES

Model Shown:

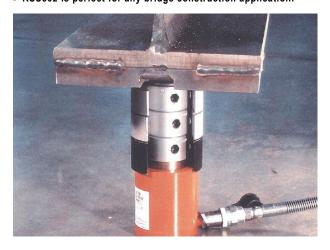
RSS2503, RSS302



Technical Dimensions



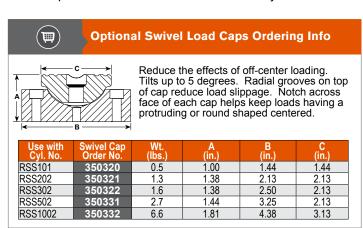
RSS302 is perfect for any bridge construction application.



Features

IDEAL FOR CONFINED AREAS WITH 3 1/2" TO 11 7/16" CLEARANCE.

- "Power-Tech" nitro-carburization surface treatment inhibits corrosion and provides exceptional durability for the rod and piston.
- Heavy-duty return spring (except for double-acting models) provides fast piston return & low collapsed height.
- Coupler on 10 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 and 250 ton models.
- Complies with ANSI / ASME B30.1 Safety Standards.

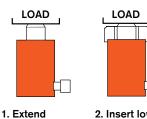




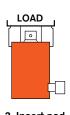
cylinder load

Cribbing Block Operation

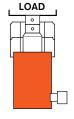
Convert Power Team "Shorty" cylinders to mechanical cribbing devices. They are more stable and safe than timber or other awkward, makeshift methods. Ideal for lifting applications such as structure moving. Reduces cribbing time dramatically. In effect, increases the stroke of the cylinder as stacking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



2. Insert lower ring. Retract cylinder.



3. Insert pad.



4. Lift load by adding rings and pads.

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Ordering Information

Cyl.	Stroke	Order	Oil Cap.		Α	В	С	F	Н	Bore	Cylinder	Int.	Tons	Prod.
Cap.		No.			Retracted Height	Extended Height	Outside Dia.	Base to Port	Piston Rod Dia.	Dia.	Effective Area	Press. at Cap.	at 10,000	Wt .
(tons)	(in.)		(cu. in.)		(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(sq. in.)	(psi)	(tons)	(lbs.)
			Push	Return							Push	Push	Push	
10	1.50	RSS101	3.40	_	3.50	5.00	2.75	0.63	1.50	1.69	2.24	8,943	11.20	6.00
20	1.75	RSS202	7.70	_	3.75	5.50	3.56	0.63	2.16	2.38	4.43	9,029	22.10	9.90
30	2.44	RSS302	15.80	_	4.63	7.06	4.00	0.63	2.50	2.88	6.49	9,243	32.50	14.70
50	2.38	RSS502	22.80	_	5.00	7.38	4.88	0.75	3.13	3.50	9.62	10,393	48.10	23.20
100	2.25	RSS1002	44.20	-	5.50	7.75	6.63	0.94	4.38	5.00	19.63	10,186	98.20	47.30
100	1.50	RSS1002D*	29.40	12.90	5.69	7.19	6.88	0.94	3.75	5.00	19.63	10,186	98.20	54.60
250	3.00	RSS2503	150.60	-	11.44	14.44	9.88	1.81	5.50	8.00	50.22	9,956	251.10	220.00

^{*} Note: RSS1002D is double-acting.



Cribbing Block Ordering Information

For Use With		30 Ton Cylinder Number RSS302			50 Ton Cy	linder Numb	er RSS502	100 Ton Cylinder Number RSS1002			
Order No.		30 Ton Set Number CB30			50 Tor	n Set Numbe	r CB50	100 Ton Set Number CB100			
		Lower Ring	Upper Ring	Stacking Pad	Lower Ring	Upper Ring	Stacking Pad	Lower Ring	Upper Ring	Stacking Pad	
Number included in set		1	2	3	1	2	3	1	3	4	
Outside Diameter	(in.)	4.50	4.50	2.75	5.50	5.50	3.38	7.39	7.39	4.75	
Inside Diameter	(in.)	2.81	2.81	_	3.45	3.45	_	4.81	4.81	-	
Height, each	(in.)	2.28	1.80	1.78	2.22	1.72	1.69	2.13	1.75	1.72	
Total stacked height of Rings in Set	(in.)	5.88			5.66			7.38			
Weight of Set	(lbs.)	20			28			64			

Note: Each set includes one Insertion Handle 45589 - 0.5" Hex x 18" Long, 4" Bend

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