

▼ Shown from left to right: RRH3010, RRH1001, RRH6010



- Relief valves prevent damage in case of over-pressurisation
- Baked enamel finish for increased corrosion resistance
- Collar threads enable easy fixturing.
(except RRH1001, RRH1508, RRH2308, RRH4008, RRH6008)
- Double-acting version for fast retraction
- Nickel-plated, floating center tube increases product life
- Hollow plunger allows for both pull and push forces
- CR400 couplers and dust caps included on all models
- Plunger wiper reduces contamination, extending cylinder life.

Versatility in Testing, Maintenance and Tensioning Applications



Lightweight Aluminum Cylinders

If you need a higher cylinder capacity-to-weight-ratio the lightweight **RRH-Series** are the perfect choice.

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Gauges

Minimize the risk of overloading and ensure long, dependable service from your equipment.

Refer to the System Components

Section for a full range of gauges.

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Saddles

All RRH-Series cylinders are equipped with smooth saddles.

See table at next page for optional threaded saddles and all

dimensional information.

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▼ Double-acting hollow plunger cylinders are applied for bridge launching systems.

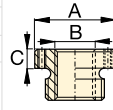


Cylinder Capacity	Stroke	Model Number	Max. Cylinder Capacity (tons)		Cylinder Effective Area (in ²)		Oil Capacity (in ³)	
			Advance	Retract	Advance	Retract	Advance	Retract
30	7.00	RRH307	36	24	7.22	4.71	50.55	32.99
	10.13	RRH3010	36	24	7.22	4.71	73.12	47.71
60	3.50	RRH603	64	42	12.73	8.37	44.57	29.21
	6.50	RRH606	64	42	12.73	8.37	82.77	54.24
	10.12	RRH6010	64	42	12.73	8.37	128.94	84.49
100	1.50	RRH1001	103	68	20.63	13.54	30.94	20.32
	3.00	RRH1003	103	68	20.63	13.54	61.88	40.64
	6.00	RRH1006	103	68	20.63	13.54	123.76	81.29
	10.13	RRH10010	103	68	20.63	13.54	208.84	137.17
150	8.00	RRH1508	158	80	31.62	15.91	252.97	127.23
240	7.87	RRH2308	243	108	47.94	21.42	377.30	168.60
450	7.87	RRH4008	453	188	89.39	37.15	703.50	292.49
660	7.87	RRH6008	667	213	131.47	42.00	1034.80	330.57

Double-Acting, Hollow Plunger Cylinders

Optional Threaded Hollow Saddles

Saddle Type	Cylinder Model Number	Saddle Model Nr.	Saddle Dimensions (in)		
			A	B	C
Threaded Hollow	RRH307, 3010	HP3015	2.49	1¼" - 7	0.38
	RRH603, 606, 6010	HP5016	3.61	1⅝" - 5½	0.50
	RRH1001, 1003, RRH1006, 10010	HP10016	4.97	2½" - 8	0.51



Smooth hollow saddles are standard on all RRH-models.



Hoses

Enerpac offers a complete line of high-quality hydraulic hoses. To ensure the integrity of your system, specify only Enerpac hydraulic hoses.

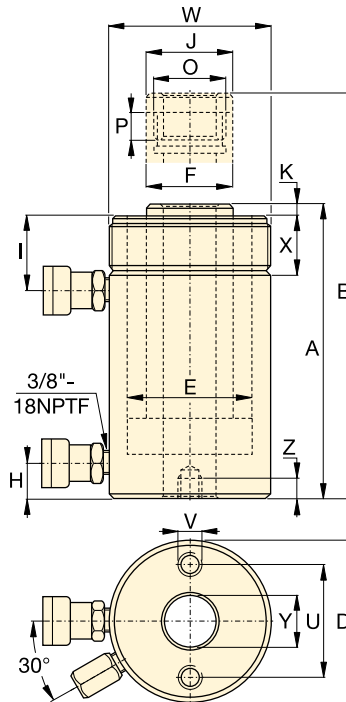
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Pump Selection

A double-acting cylinder must be powered by a pump with a 4-way valve.

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RRH Series



Capacity:

30 - 660 tons

Stroke:

1.50 - 10.13 inches

Center Hole Diameter:

1.31 - 5.31 inches

Maximum Operating Pressure:

10,000 psi

Base Mounting Hole Dimensions * (in)

Model Number	Bolt Circle U	Thread * V	Thread Depth Z
RRH307	3.63	⅜" - 16 UNC	0.62
RRH3010	3.63	⅜" - 16 UNC	0.62
RRH603	5.12	½" - 13 UNC	0.55
RRH606	5.12	½" - 13 UNC	0.55
RRH6010	5.12	½" - 13 UNC	0.55
RRH1001	7.00	⅝" - 11 UNC	0.75
RRH1003	7.00	⅝" - 11 UNC	0.75
RRH1006	7.00	⅝" - 11 UNC	0.75
RRH10010	7.00	⅝" - 11 UNC	0.75
RRH1508	8.35	⅝" - 11 UNC	0.86
RRH2308	10.20	(4x) M16 x 2	0.98
RRH4008	13.33	(4x) M24 x 3	1.41
RRH6008	16.27	(4x) M24 x 3	1.41

* Threaded base holes designed to fix the cylinder, cannot handle the full pulling capacity.

Coll. Height	Ext. Height	Out. Dia.	Cyl. Bore Dia.	Plgr. Dia.	Cyl. Base to Adv. Port H	Cyl. Top to Return Port I	Saddle Dia.	Saddle Protr. fr. Plgr. K	Thread O	Plunger Thread Length P	Collar Thread W	Collar Thread Length X	Center Hole Dia. Y	(lbs)	Model Number
A (in)	B (in)	D (in)	E (in)	F (in)	(in)	(in)	J (in)	(in)	(in)	(in)	(in)	(in)	(in)		
13.00	20.00	4.50	3.50	2.50	1.00	2.38	2.50	0.38	1⅜" - 16	0.88	4½" - 12	1.66	1.31	48	RRH307
17.00	27.13	4.50	3.50	2.50	1.00	2.38	2.50	0.38	1⅜" - 16	0.88	4½" - 12	1.66	1.31	60	RRH3010
9.75	13.25	6.25	4.88	3.63	1.25	2.63	3.61	0.50	2¾" - 16	0.75	6¼" - 12	1.91	2.13	62	RRH603
12.75	19.25	6.25	4.88	3.63	1.25	2.63	3.61	0.50	2¾" - 16	0.75	6¼" - 12	1.91	2.13	78	RRH606
17.25	27.38	6.25	4.88	3.63	1.25	2.63	3.61	0.50	2¾" - 16	0.75	6¼" - 12	1.91	2.13	101	RRH6010
6.50	8.00	8.38	6.50	5.00	1.50	1.75	4.97	0.50	4" - 16	1.00	—	—	3.13	85	RRH1001
10.00	13.00	8.38	6.50	5.00	1.50	3.38	4.97	0.50	4" - 16	1.00	8⅜" - 12	2.38	3.13	135	RRH1003
13.50	19.50	8.38	6.50	5.00	1.50	3.38	4.97	0.50	4" - 16	1.00	8⅜" - 12	2.38	3.13	175	RRH1006
18.13	28.25	8.38	6.50	5.00	1.50	3.38	4.97	0.50	4" - 16	1.00	8⅜" - 12	2.38	3.13	235	RRH10010
13.75	21.75	9.75	7.50	6.00	1.50	2.38	5.00	0.19	4¼" - 12	1.00	—	—	3.13	245	RRH1508
16.97	24.84	12.20	9.45	8.66	1.97	3.58	7.68	0.71	M150 x 2	1.97	—	—	4.13	418	RRH2308
19.13	27.01	15.75	12.01	9.84	3.15	4.37	9.65	0.71	M160 x 2	2.76	—	—	4.33	843	RRH4008
20.67	28.54	18.90	14.57	12.60	3.94	4.53	12.40	0.91	M190 x 2	3.54	—	—	5.31	1344	RRH6008