

RRH-Series, Hollow Plunger Cylinders

▼ Shown from left to right: RRH-3010, RRH-1001, RRH-6010



- Relief valves prevent damage in case of over-pressurisation
- Baked enamel finish for increased corrosion resistance
- Collar threads enable easy fixturing (except RRH-1001 and RRH-1508)
- Double-acting version for fast retraction
- Nickel-plated, floating center tube increases product life
- Hollow plunger allows for both pull and push forces
- CR-400 coupler and dust cap included on all models
- Plunger wiper reduces contamination, extending cylinder life.

Versatility in Testing, Maintenance and Tensioning Applications



Pump Selection

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

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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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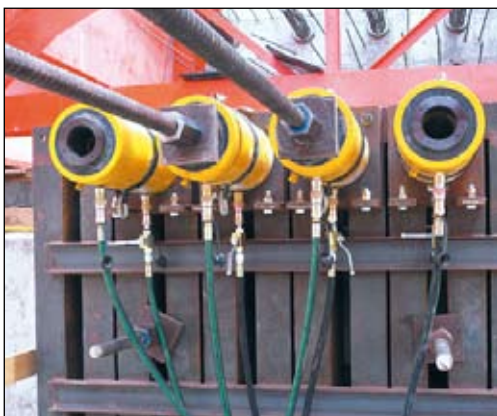


Saddles

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 (mm)	Model Number	Max. Cylinder Capacity (kN)		Cylinder Effective Area (cm ²)		Oil Capacity (cm ³)	
			Advance	Retract	Advance	Retract	Advance	Retract
30 ton	178	RRH-307	326	213	46,6	30,4	829	541
	258	RRH-3010	326	213	46,6	30,4	1202	784
60 ton	89	RRH-603	576	380	82,3	54,2	733	482
	166	RRH-606	576	380	82,3	54,2	1366	900
	257	RRH-6010	576	380	82,3	54,2	2115	1393
95 ton	38	RRH-1001	931	612	133,0	87,4	505	333
	76	RRH-1003	931	612	133,0	87,4	1011	666
	153	RRH-1006	931	612	133,0	87,4	2035	1337
	257	RRH-10010	931	612	133,0	87,4	3420	2246
145 ton	203	RRH-1508	1429	718	204,1	102,6	4144	2083

Double-Acting, Hollow Plunger Cylinders

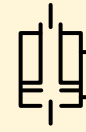


Hoses

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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RRH Series



Capacity:

30 - 145 ton

Stroke:

38 - 258 mm

Center Hole Diameter:

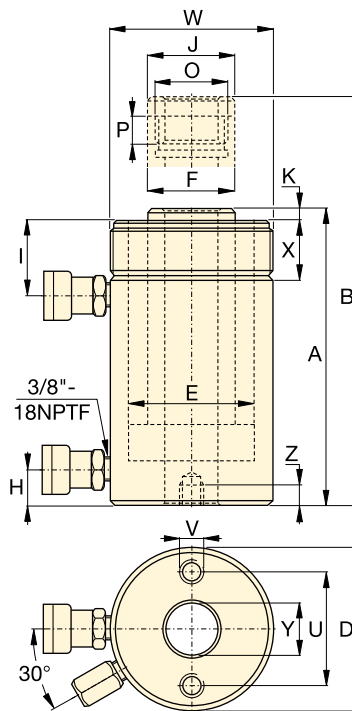
33,3-79,2 mm

Maximum Operating Pressure:

700 bar

Optional Heat Treated Hollow Saddles					
Saddle Type	Cylinder Model Number	Saddle Model Nr.	Saddle Dimensions (mm)		
			A	B	C
Threaded Hollow	RRH-307, 3010	HP-3015	63	1¼" - 7	9
	RRH-603, 606, 6010	HP-5016	91	1½" - 5½	12
	RRH-1001, 1003, RRH-1006, 10010	HP-10016	126	2½" - 8	13

Smooth hollow saddles are standard on all RRH-models.



Base Mounting Hole Dimensions (mm)			
Model Number	Bolt Circle U	Thread V	Thread Depth Z
RRH-307	92,2	3/8" - 16	15,7
RRH-3010	92,2	3/8" - 16	15,7
RRH-603	130,0	1/2" - 13	14,0
RRH-606	130,0	1/2" - 13	14,0
RRH-6010	130,0	1/2" - 13	14,0
RRH-1001	177,8	5/8" - 11	19,0
RRH-1003	177,8	5/8" - 11	19,0
RRH-1006	177,8	5/8" - 11	19,0
RRH-10010	177,8	5/8" - 11	19,0
RRH-1508	-	-	-

Coll. Height	Ext. Height	Out. Dia.	Cyl. Bore Dia.	Plgr. Dia.	Cyl. Base to Adv. Port	Cyl. Top to Return Port	Saddle Dia.	Saddle Protr. fr. Plgr.	Thread	Plunger Thread Length	Collar Thread	Collar Thread Length	Center Hole Dia.	Weight (kg)	Model Number
A (mm)	B (mm)	D (mm)	E (mm)	F (mm)	H (mm)	I (mm)	J (mm)	K (mm)	O	P (mm)	W	X (mm)	Y (mm)	(kg)	
330	508	114	88,9	63,5	25	60	63	9	1 ¹³ / ₁₆ " - 16	22	4 ¹ / ₂ " - 12	42	33,3	21	RRH-307
431	689	114	88,9	63,5	25	60	63	9	1 ¹³ / ₁₆ " - 16	22	4 ¹ / ₂ " - 12	42	33,3	27	RRH-3010
247	336	159	123,9	91,9	31	66	91	12	2 ³ / ₄ " - 16	19	6 ¹ / ₄ " - 12	48	53,8	28	RRH-603
323	489	159	123,9	91,9	31	66	91	12	2 ³ / ₄ " - 16	19	6 ¹ / ₄ " - 12	48	53,8	35	RRH-606
438	695	159	123,9	91,9	31	66	91	12	2 ³ / ₄ " - 16	19	6 ¹ / ₄ " - 12	48	53,8	45	RRH-6010
165	203	212	165,1	127,0	38	44	126	12	4" - 16	25	-	-	79,2	33	RRH-1001
254	330	212	165,1	127,0	38	85	126	12	4" - 16	25	8 ³ / ₈ " - 12	60	79,2	61	RRH-1003
342	495	212	165,1	127,0	38	85	126	12	4" - 16	25	8 ³ / ₈ " - 12	60	79,2	79	RRH-1006
460	717	212	165,1	127,0	38	85	126	12	4" - 16	25	8 ³ / ₈ " - 12	60	79,2	106	RRH-10010
349	552	247	190,5	152,4	38	60	127	4	4 ¹ / ₄ " - 12	25	-	-	79,2	111	RRH-1508