

▼ Shown from left to right: RCH306, RCH120, RCH1003

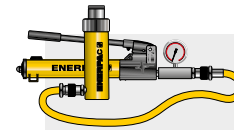


- Hollow plunger design allows for both, pull and push forces
- Single-acting, spring-return
- Nickel-plated, floating center tube on models over 20 ton increases product life
- Baked enamel finish for increased corrosion resistance
- Collar threads for easy fixturing
- RCH120 includes AR630 coupler and has 1/4" NPTF port
- RCH121 and RCH1211 have FZ1630 reducer and AR630 coupler, all other models feature CR400 coupler.

▼ Hollow plunger cylinder RCH1003 used in an application for intermediate boom suspension on a dragline.



Versatility in Testing, Maintenance and Tensioning Applications



Cylinder-Pump Sets

All cylinders marked with an * are available as **sets** (cylinder, gauge, couplers, hose and pump) for your ordering convenience.

Page: **6**



Lightweight Aluminum Cylinders

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

Page: **22**



Saddles

Most RCH-Series cylinders are equipped with smooth saddles. See table at next page for optional threaded saddles and all dimensional information.

Page: **41**

Cylinder Capacity	Stroke	Model Number	Cylinder Effective Area	Oil Capacity
tons (maximum)	(in)		(in ²)	(in ³)
12 (13.8)	0.31	RCH120	2.76	0.86
	1.63	RCH121 *	2.76	4.49
	1.63	RCH1211	2.76	4.49
	3.00	RCH123	2.76	8.29
20 (23.6)	2.00	RCH202 *	4.72	9.46
	6.10	RCH206	4.72	28.67
30 (36.1)	2.50	RCH302 *	7.22	18.05
	6.13	RCH306	7.22	44.23
60 (63.6)	3.00	RCH603 *	12.73	38.20
	6.00	RCH606	12.73	76.41
100 (103.1)	3.00	RCH1003 *	20.63	61.88

* Available as set, see note on this page.

Single-Acting, Hollow Plunger Cylinders



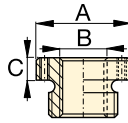
Hoses

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

Page: 136

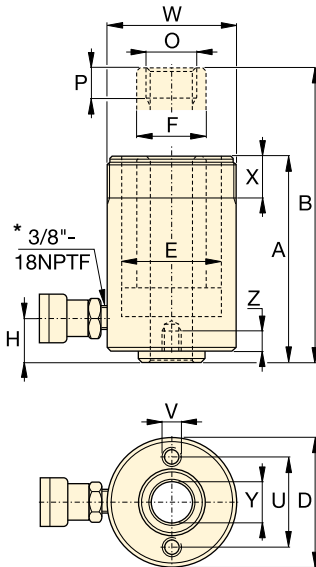
Optional Threaded Hollow Saddles

Saddle Type	Cylinder Model Number	Saddle Model Nr.	Saddle Dimensions (in)		
			A	B	C
Threaded Hollow	RCH202, 206	HP2015	2.11	1" - 8	0.38
	RCH302, 306	HP3015	2.49	1 1/4" - 7	0.38
	RCH603, 606	HP5016	3.61	1 5/8" - 5 1/2	0.50
	RCH1003	HP10016	4.97	2 1/2" - 8	0.51



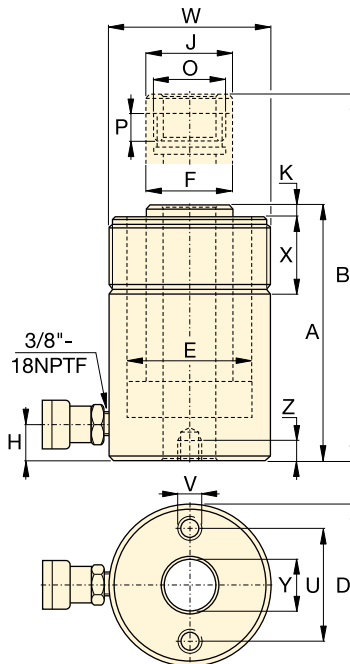
Smooth hollow saddles are standard on all RCH-models (except RCH120, RCH1211).

RCH121 and RCH1211 have a 1.88 inch dia. boss that protrudes 0.25 inch from base.



RCH120 to RCH123 models

* 1/4" NPTF for RCH120 only



RCH202 to RCH1003 models

RCH Series



Capacity:

12 - 100 tons

Stroke:

0.31 - 6.13 inches

Center Hole Diameter:

0.77 - 3.11 inches

Maximum Operating Pressure:

10,000 psi

Base Mounting Hole Dimensions (in)

Model Number	Bolt Circle U	Thread V	Thread Depth Z
RCH120	2.00	5/16" - 18 UNC	0.35
RCH121	-	-	-
RCH1211	-	-	-
RCH123	2.00	5/16" - 18 UNC	0.50
RCH202	3.25	3/8" - 16 UNC	0.37
RCH206	3.25	3/8" - 16 UNC	0.37
RCH302	3.63	3/8" - 16 UNC	0.55
RCH306	3.63	3/8" - 16 UNC	0.55
RCH603	5.13	1/2" - 13 UNC	0.55
RCH606	5.13	1/2" - 13 UNC	0.55
RCH1003	7.00	5/8" - 11 UNC	0.75

Coll. Height A (in)	Ext. Height B (in)	Outside Dia. D (in)	Cyl. Bore Dia. E (in)	Plgr. Dia. F (in)	Cyl. Base to Advance Port H (in)	Saddle Dia. J (in)	Saddle Protrusion from Plgr. K (in)	Plunger Internal Thread O (in)	Plunger Thread Length P (in)	Collar Thread W (in)	Collar Thread Length X (in)	Center Hole Dia. Y (in)	(lbs)	Model Number
2.19	2.50	2.75	2.13	1.38	0.38	-	-	3/4" - 16 UN	0.63	2 3/4" - 16	1.19	0.77	3.2	RCH120
4.75	6.38	2.75	2.13	1.38	0.98	-	-	-	-	2 3/4" - 16	1.19	0.77	6.2	RCH121 *
4.75	6.38	2.75	2.13	1.38	0.98	-	-	3/4" - 16 UN	0.63	2 3/4" - 16	1.19	0.77	6.2	RCH1211
7.25	10.25	2.75	2.13	1.38	0.98	-	-	-	-	2 3/4" - 16	1.19	0.77	9.8	RCH123
6.38	8.38	3.88	2.88	2.13	0.75	2.13	0.27	1 9/16" - 16 UN	0.75	3 7/8" - 12	1.50	1.06	17	RCH202 *
12.05	18.11	3.88	2.88	2.13	0.75	2.13	0.27	1 9/16" - 16 UN	0.75	3 7/8" - 12	1.50	1.06	31	RCH206
7.03	9.53	4.50	3.50	2.50	0.85	2.50	0.38	1 13/16" - 16 UN	0.88	4 1/2" - 12	1.66	1.31	24	RCH302 *
13.00	19.13	4.50	3.50	2.50	1.00	2.50	0.38	1 13/16" - 16 UN	0.88	4 1/2" - 12	1.66	1.31	48	RCH306
9.75	12.75	6.25	4.88	3.63	1.25	3.61	0.50	2 3/4" - 16 UN	0.75	6 1/4" - 12	1.91	2.12	62	RCH603 *
12.75	18.75	6.25	4.88	3.63	1.25	3.61	0.50	2 3/4" - 16 UN	0.75	6 1/4" - 12	1.91	2.12	78	RCH606
10.00	13.00	8.38	6.50	5.00	1.50	4.97	0.50	4" - 16 UN	1.00	8 3/8" - 12	2.38	3.11	132	RCH1003*