

RCH-Series, Hollow Plunger Cylinders

ENERPAC 

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

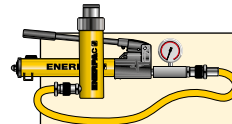


- Hollow plunger design allows for both, pull and push forces
- Single-acting, spring return
- Nickel-plated, floating center tube on models over 20 ton increases product life
- Baked enamel finish for increased corrosion resistance
- Collar threads for easy fixturing
- RCH120 includes AR630 coupler 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.

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Ultra-Lightweight Aluminium Cylinders

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

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Saddles

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

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Cylinder Capacity	Stroke	Model Number	Cylinder Effective Area	Oil Capacity
ton (kN)	(mm)		(cm ²)	(cm ³)
12 (125)	8	RCH120	17,9	14
	42	RCH121 *	17,9	75
	42	RCH1211	17,9	75
	76	RCH123	17,9	136
20 (215)	49	RCH202 *	30,7	150
	155	RCH206	30,7	476
30 (326)	64	RCH302 *	46,6	298
	155	RCH306	46,6	722
60 (576)	76	RCH603 *	82,3	626
	153	RCH606	82,3	1259
95 (931)	76	RCH1003 *	133,0	1011

* Available as set, see note on this page.

Single-Acting, Hollow Plunger Cylinders

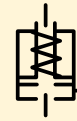


Hoses

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

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RCH Series



Capacity:

12 - 95 ton

Stroke:

8 - 155 mm

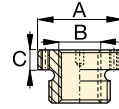
Center Hole Diameter:

19,5 - 79,0 mm

Maximum Operating Pressure:

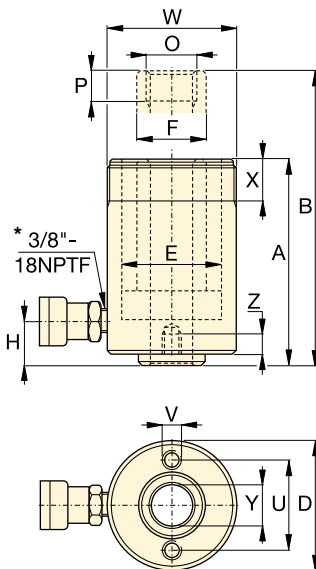
700 bar

Optional Threaded Hollow Saddles					
Saddle Type	Cylinder Model Number	Saddle Model Nr.	Saddle Dimensions (mm)		
			A	B	C
Threaded Hollow	RCH202, 206	HP2015	53	1" - 8	9
	RCH302, 306	HP3015	63	1 1/4" - 7	9
	RCH603, 606	HP5016	91	1 5/8" - 5 1/2	12
	RCH1003	HP10016	126	2 1/2" - 8	13



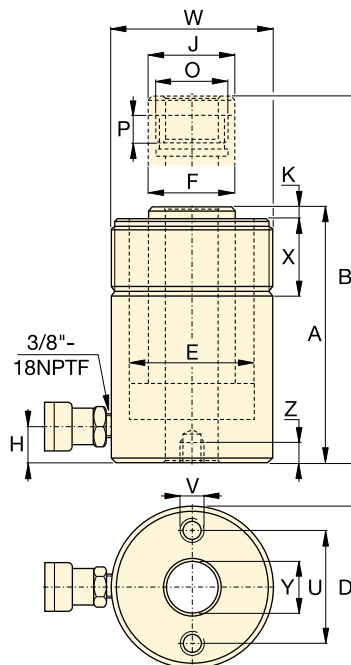
Smooth hollow saddles are standard on all RCH-models (except RCH120, RCH1211).

RCH121 and RCH1211 have a 47 mm dia. boss that protrudes 6 mm from base.



RCH120 to RCH123 models

* 1/4" NPTF for RCH120 only



RCH202 to RCH1003 models

Base Mounting Hole Dimensions (mm)			
Model Number	Bolt Circle U	Thread V	Thread Depth Z
RCH120	50,8	5/16" - 18 UNC	9,0
RCH121	—	—	—
RCH1211	—	—	—
RCH123	50,8	5/16" - 18 UNC	12,7
RCH202	82,6	3/8" - 16 UNC	9,4
RCH206	82,6	3/8" - 16 UNC	9,4
RCH302	92,2	3/8" - 16 UNC	14,0
RCH306	92,2	3/8" - 16 UNC	14,0
RCH603	130,3	1/2" - 13 UNC	14,0
RCH606	130,3	1/2" - 13 UNC	14,0
RCH1003	177,8	5/8" - 11 UNC	19,0

Coll. Height	Ext. Height	Outside Dia.	Cyl. Bore Dia.	Plgr. Dia.	Cyl. Base to Advance Port	Saddle Dia.	Saddle Protrusion from Plgr.	Plunger Internal Thread	Plunger Thread Length	Collar Thread	Collar Thread Length	Center Hole Dia.	Model Number
A (mm)	B (mm)	D (mm)	E (mm)	F (mm)	H (mm)	J (mm)	K (mm)	O	P (mm)	W	X (mm)	Y (mm)	
55	63	69	54,1	35,1	9	—	—	3/4" - 16 UN	16	2 3/4" - 16	30	19,5	RCH120
120	162	69	54,1	35,1	25	—	—	—	—	2 3/4" - 16	30	19,5	RCH121 *
120	162	69	54,1	35,1	25	—	—	3/4" - 16 UN	16	2 3/4" - 16	30	19,5	RCH1211
184	260	69	54,1	35,1	25	—	—	—	—	2 3/4" - 16	30	19,5	RCH123
162	211	98	73,1	54,1	19	54	9,7	1 9/16" - 16 UN	19	3 7/8" - 12	38	26,9	RCH202 *
306	461	98	73,1	54,1	25	54	9,7	1 9/16" - 16 UN	19	3 7/8" - 12	38	26,9	RCH206
178	242	114	88,9	63,5	21	63	9,0	1 13/16" - 16 UN	22	4 1/2" - 12	42	33,3	RCH302 *
330	485	114	88,9	63,5	25	63	9,0	1 13/16" - 16 UN	22	4 1/2" - 12	42	33,3	RCH306
247	323	159	123,9	91,9	31	91	12,0	2 3/4" - 16 UN	19	6 1/4" - 12	48	53,8	RCH603 *
323	476	159	123,9	91,9	31	91	12,0	2 3/4" - 16 UN	19	6 1/4" - 12	48	53,8	RCH606
254	330	212	165,1	127,0	38	126	12,0	4" - 16 UN	25	8 3/8" - 12	60	79,0	RCH1003*