

RCH-SERIES

Single acting, Hollow plunger cylinders

- * 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



Cylinder capacity ton	Stroke mm	Model number	Cylinder effective area cm ²	Oil capacity cm ³
12	8	RCH120	17.9	14
	42	RCH121*	17.9	75
	42	RCH1211	17.9	75
	76	RCH123	17.9	136
20	49	RCH202*	30.7	150
	155	RCH206	30.7	476
30	64	RCH302*	46.6	298
	155	RCH306	46.6	722
60	76	RCH603*	82.3	626
	153	RCH606	82.3	1259
95	76	RCH1003*	133	1011

* Available as set



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

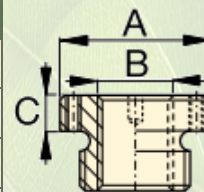
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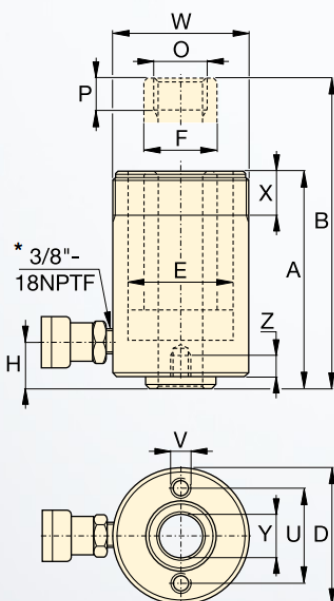


OPTIONAL THREADED HOLLOW SADDLES

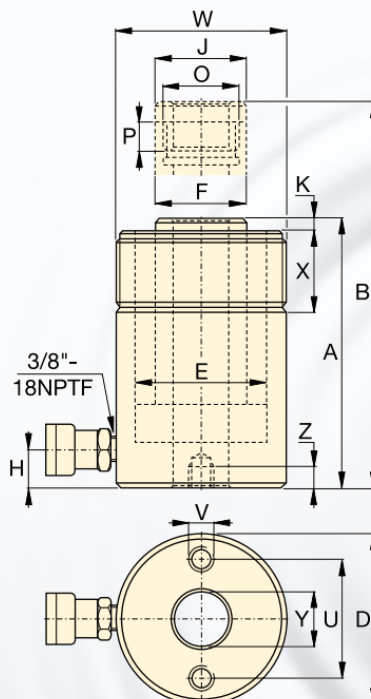
Saddle type	Cylinder model number	Saddle model number	Saddle dimensions (mm)		
			A	B	C
Threaded hollow	RCH202, 206	HP2015	53	1"-8	9
	RCH302, 306	HP3015	63	1 1/4"-7	9
	RCH603, 606	HP5016	91	1 5/8"-5 1/2	12
	RCH1003	HP10016	126	2 1/2"-8	13



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

Capacity:

12-95 ton

Stroke:

8-155 mm.

Center hole diameter:

19.5-79 mm.

Maximum operating pressure:

700 bar

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Model number	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	Coll. thread	Coll. Thread length	Center hole dia.	Weight
	A mm	B mm	D mm	E mm	F mm	H mm	J mm	K mm	O	P mm	W	X mm	Y mm	kg
RCH120	55	63	69	54.1	35.1	9	-	-	3/4"-16UN	16	2 3/4"-16	30	19.5	1.5
RCH121*	120	162	69	54.1	35.1	25	-	-	-	-	2 3/4"-16	30	19.5	2.8
RCH1211	120	162	69	54.1	35.1	25	-	-	3/4"-16UN	16	2 3/4"-16	30	19.5	2.8
RCH123	184	260	69	54.1	35.1	25	-	-	-	-	2 3/4"-16	30	19.5	4.4
RCH202*	162	211	98	73.1	54.1	19	54	9.7	1 9/16"-16UN	19	3 7/8"-12	38	26.9	7.7
RCH206	306	461	98	73.1	54.1	25	54	9.7	1 9/16"-16UN	19	3 7/8"-12	38	26.9	14.1
RCH302*	178	242	114	88.9	63.5	21	63	9	1 13/16"-16UN	22	4 1/2"-12	42	33.3	10.9
RCH306	330	485	114	88.9	63.5	25	63	9	1 13/16"-16UN	22	4 1/2"-12	42	33.3	21.8
RCH603*	247	323	159	123.9	91.9	31	91	12	2 3/4"-16UN	19	6 1/4"-12	48	53.8	28.1
RCH606	323	476	159	123.9	91.9	31	91	12	2 3/4"-16UN	19	6 1/4"-12	48	53.8	35.4
RCH1003*	254	330	212	165.1	127	38	126	12	4"-16UN	25	8 3/8"-12	60	79	63

BASE MOUNTING HOLE DIMENSIONS

Model number	Bolt circle U	Thread V	Thread depth Z
	RCH120	50.8	5/16"-18UNC
RCH121	-	-	-
RCH1211	-	-	-
RCH123	50.8	5/16"-18UNC	12.7
RCH202	82.6	3/8"-16UNC	9.4
RCH206	82.6	3/8"-16UNC	9.4
RCH302	92.2	3/8"-16UNC	14
RCH306	92.2	3/8"-16UNC	14
RCH603	130.3	1/2"-13UNC	14
RCH606	130.3	1/2"-13UNC	14
RCH1003	177.8	5/8"-11UNC	19



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