RCH-Series, Hollow Plunger Cylinders

RCH-Series

▼ Shown from left to right: **RCH-306, RCH-120, RCH-1003**

PUSH-PULL CYLINDER

Maintenance and Tensioning Application

- **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**

Saddles

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

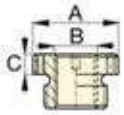
▼ RCH Series is suitable for pulling work. Both shaft pulling, bearing pulling, nut pulling Can be used with both manual and electric pumps

Model Number	Cylinder Capacity ton (kN)	Stroke (mm)	Cyl. Effect. Area (cm^2)	Oil Cap. (cm^3)
RCH-120	13 (125)	8	17.9	14
RCH-121*		42	17.9	75
RCH-1211		42	17.9	75
RCH-123		76	17.9	136
RCH-202*	20 (215)	49	30.7	150
RCH-204		102	30.7	311
RCH-206		155	30.7	476
RCH-302*	30 (326)	64	46.6	298
RCH-304		102	46.6	473
RCH-306		155	46.6	722
RCH-603*	60 (576)	76	82.3	626
RCH-606		153	82.3	1259
RCH-1003*	100 (931)	76	133.0	1011

* Available as set, see note on this page.

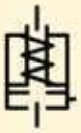
Single-Acting, Hollow Plunger Cylinders

RCH-Series

Optional Heat Treated Hollow Saddles						
Saddle Type	Cylinder Model Number	Saddle Model Nr.	Saddle Dimensions (mm) A	B	C	
Threaded Hollow	RCH-202, 206	HP-2015	53	1"- 8	9	
	RCH-302, 306	HP-3015	63	1¼"- 7	9	
	RCH-603, 606	HP-5016	91	1⅝"- 5½	12	
	RCH-1003	HP-10016	126	2½"- 8	13	

Smooth hollow saddles are standard on all RCH-models (except RCH-120, RCH-1211).

RCH Series



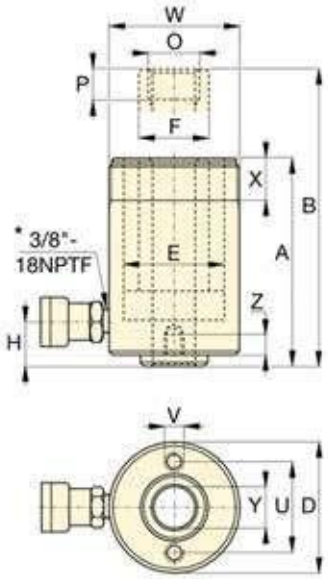
Capacity:
13 - 95 ton

Stroke:
8 - 155 mm

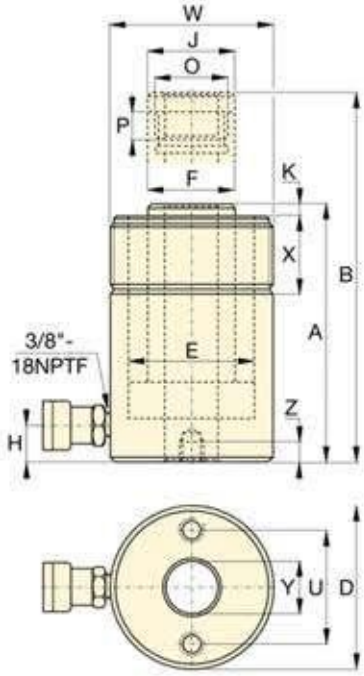
Center Hole Diameter:
19,6 - 79,0 mm

Maximum Operating Pressure:
700 bar

RCH-121 and RCH-1211 have a 47 mm dia. boss that protrudes 6 mm from base.



RCH-120 to RCH-123 models
* 1/4" NPTF for RCH-120 only



RCH-202 to RCH-1003 models

Base Mounting Hole Dimensions (mm)			
Model Number	Bolt Circle U	Thread V	Thread Depth Z
RCH-120	50.8	5/16" - 18 UNC	9.0
RCH-121	–	–	–
RCH-1211	–	–	–
RCH-123	50.8	5/16" - 18 UNC	12.7
RCH-202	82.6	3/8" - 16 UNC	9.4
RCH-204	82.6	3/8" - 16 UNC	9.4
RCH-206	82.6	3/8" - 16 UNC	9.4
RCH-302	92.2	3/8" - 16 UNC	14.0
RCH-304	92.2	3/8" - 16 UNC	14.0
RCH-306	92.2	3/8" - 16 UNC	14.0
RCH-603	130.3	½" - 13 UNC	14.0
RCH-606	130.3	½" - 13 UNC	14.0
RCH-1003	177.8	5/8" - 11 UNC	19.0

Coll. Height A (mm)	Ext. Height B (mm)	Out. Dia. D (mm)	Cyl. Bore Dia. E (mm)	Plgr. Dia. F (mm)	Cyl. Base to Advance Port H (mm)	Saddle Dia. J (mm)	Saddle Protrusion from Plgr. K (mm)	Plunger Internal Thread O	Plunger Thread Length P (mm)	Collar Thread W	Collar Thread Length X (mm)	Center Hole Dia. Y (mm)	(kg)	Model Number
55	63	69	54.1	35.1	9	–	–	¾" - 16 UN	16	2¾" - 16	30	19.6	1.5	RCH-120
120	162	69	54.1	35.1	19	–	–	–	–	2¾" - 16	30	19.6	2.8	RCH-121*
120	162	69	54.1	35.1	19	–	–	¾" - 16 UN	16	2¾" - 16	30	19.6	2.8	RCH-1211
184	260	69	54.1	35.1	19	–	–	–	–	2¾" - 16	30	19.6	4.4	RCH-123
162	211	98	73.1	54.1	19	54	9.7	1 9/16" - 16 UN	19	3⅞" - 12	38	26.9	7.7	RCH-202*
242	344	98	73.1	54.1	19	54	9.7	1 9/16" - 16 UN	19	3⅞" - 12	38	26.9	10.5	RCH-204
306	461	98	73.1	54.1	25	54	9.7	1 9/16" - 16 UN	19	3⅞" - 12	38	26.9	14.1	RCH-206
178	242	114	88.9	63.5	21	63	9.0	1 13/16" - 16 UN	22	4½" - 12	42	33.3	10.9	RCH-302*
233	335	114	88.9	63.5	22	63	9.0	1 13/16" - 16 UN	22	4½" - 12	42	33.3	14.7	RCH-304
330	485	114	88.9	63.5	25	63	9.0	1 13/16" - 16 UN	22	4½" - 12	42	33.3	21.8	RCH-306
247	323	159	123.9	91.9	31	91	12.0	2¾" - 16 UN	19	6¼" - 12	48	53.8	28.1	RCH-603*
323	476	159	123.9	91.9	31	91	12.0	2¾" - 16 UN	19	6¼" - 12	48	53.8	35.4	RCH-606
254	330	212	165.1	127.0	38	126	12.0	4" - 16 UN	25	8⅜" - 12	60	79.0	63.0	RCH-1003*