



# Center Hole CYLINDERS RH SERIES

## 10-100 Ton Single-Acting, Spring-Return

Ideal for pulling and tensioning of cables, anchor bolts, forcing screws, etc.

- Interchangeable piston head inserts (see page 41) provide versatility of application.
- 12, 20\*, 30\*, 50, 60 Ton Single-Acting Models Feature Threaded Collar
- Withstands full “dead-end” loads.
- Corrosion resistant standpipe has “Power Tech” treatment.
- All cylinders except RH120 are furnished with a 9796 3/8” NPT female half coupler.
- Aluminum cylinder body and piston are featured on the RHA306 cylinder.

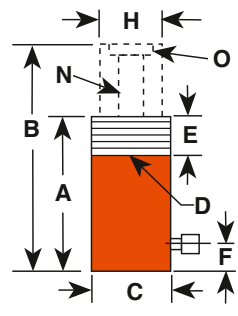
\* Model RH203 and RHA306 do not feature the collar thread. See the chart below.



ASME B30.1  
700 BAR

10, 20, 100 Ton  
Single-Acting Models  
Feature Plain Collar

CYLINDERS



Cyl. Cap. (tons)	Stroke (mm)	Order No.	Oil Cap. (cm³)	A Re-tracted Height (mm)	B Ex-tended Height (mm)	C Outside Dia. (mm)	D Collar Thread (in.)	E Collar Length (mm)	F Base to Port (mm)	H Piston Rod Dia. (mm)	N Center Hole Dia. (mm)	O Insert Thread and Size (in.)	Mount. Bolt Circle	Cylinder Effective Area (cm²)	Metric Tons at 700 bar	Weight (kg)
10	63,5	RH102	91	134,9	198,4	76,2	-	-	25,4	52,4	19,4	1 3/4-12	1/4-20 x 60,3	14,3	10,0	4,1
10	203,2	RH108	290	287,3	490,5	76,2	-	-	25,4	52,4	19,4	1 3/4-12	1/4-20 x 60,3	14,3	10,0	8,5
12	7,9	RH120**	14	55,6	63,5	69,9	2 3/4-16	31,8	9,5	34,9	17,5	3/4-16	5/16-18 x 50,8	17,8	12,5	1,4
12	41,3	RH121	74	122,2	163,5	69,9	2 3/4-16	31,8	25,4	34,9	20,2	-	-	17,8	12,5	3,0
12	41,3	RH121T**	74	122,2	163,5	69,9	2 3/4-16	31,8	25,4	34,9	17,5	3/4-16	5/16-18 x 50,8	17,8	12,5	3,0
12	76,2	RH123	136	184,2	260,4	69,9	2 3/4-16	20,6	25,4	34,9	20,6	-	-	17,8	12,5	4,0
20	50,8	RH202	155	155,6	206,4	98,4	3 7/8-12	38,1	25,4	54,0	27,4	1 9/16-16	3/8-16 x 82,6	30,4	21,4	7,3
20	76,2	RH203	193	154,0	230,2	101,6	-	-	25,4	69,9	26,6	2 1/4-12	3/8-16 x 82,6	25,3	17,8	9,1
20	152,4	RH206	465	308,0	460,4	98,4	3 7/8-12	38,1	25,4	54,0	27,4	1 9/16-16	3/8-16 x 82,6	30,4	21,4	13,7
30	63,5	RH302	260	158,8	222,3	120,7	4 3/4-12	38,1	29,4	82,6	32,9	2 3/4-12	7/16-20 x 92,1	40,9	28,8	11,6
30	149,2	RHA306	625	283,4	432,6	130,2	-	-	31,8	82,6	32,5	2 5/8-8	7/16-20 x 92,1	40,9	28,8	9,9
30	152,4	RH306	625	247,7	400,1	120,7	4 3/4-12	38,1	29,4	82,6	32,5	2 3/4-12	-	40,9	28,8	17,7
50	76,2	RH503	534	181,0	257,2	152,4	6-12	50,8	31,8	104,8	42,5	3 1/4-12	5/8-18 x 120,7	70,0	49,3	21,2
60	76,2	RH603*	607	235,0	311,2	158,8	6 1/4-12	63,5	25,4	91,3	54,0	3-12	1/2-13 x 130,2	79,4	55,9	27,2
60	152,4	RH606*	1.211	311,2	463,6	158,8	6 1/4-12	63,5	25,4	91,3	54,0	3-12	1/2-13 x 130,2	79,4	55,9	35,4
100	76,2	RH1003*	1.014	254,0	330,2	212,7	-	-	31,8	127,0	79,4	4 1/8-12	-	133,0	93,5	52,2

\*Supplied with carrying handles.

Aluminum

\*\* RH120 and RH121T do not have an internal threaded insert, but do have a 3/4-16 internal thread. The RH120 inlet port is 1/4" NPTF.



# Center Hole CYLINDERS RH SERIES

## 30-200 Ton Double-Acting

Ideal for pulling and tensioning of cables, anchor bolts, forcing screws.

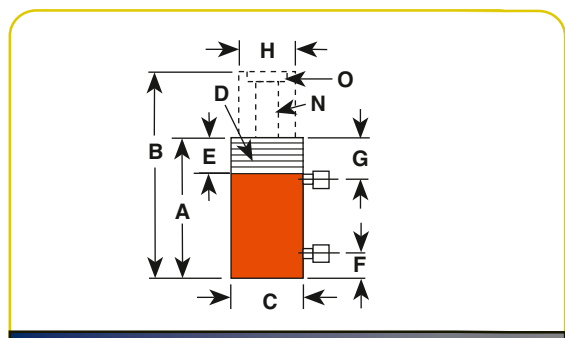
- Interchangeable piston head inserts (see page 41) provide versatility of application.
- Built-in safety feature prevents over-pressurization of the retract circuit.
- Plated piston rod resists wear; superior packings provide high cycle life without leakage.
- Corrosion-resistant standpipe has "Power Tech" treatment (see page 8).
- Each cylinder has 9796 3/8" NPTF female half couplers. The 60 ton thru 200 ton steel models are equipped with removable carrying handles.



ASME B30.1  
700 BAR



CYLINDERS



Cyl. Cap. (tons)	Stroke (mm)	Order No.	Oil Cap. (cm <sup>3</sup> )		A Retracted Height (mm)	B Extended Height (mm)	C Outside Dia. (mm)	D Collar Thread (in.)	E Collar Thread Length (mm)	F Base to Top Port (mm)	G Cylinder to Piston Rod Dia. (mm)	H Center Hole Dia. (mm)	N Insert Thread Size (in.)	O Mounting Holes (in.) and Bolt Circle (mm)	Cylinder Effective Area (cm <sup>2</sup> )		Metric Tons at 700 bar		Weight (kg)	
			Push	Pull											Push	Pull	Push	Pull		
30	15	RH303	289	167	179.4	255.6	120.7	-	-	25.4	41.3	63.5	32.5	2-12	3/8-16 x 92.1	38.0	21.8	26.8	15.3	13.5
30	15	RH306D	580	333	281.0	433.4	120.7	-	-	25.4	41.3	63.5	32.5	2-12	7/16-20 x 92.1	38.0	21.8	26.8	15.3	20.4
30	20	RH3010	1.082	672	438.2	695.3	114.3	4 1/2-12	41	44.5	81.0	60.3	33.3	1 7/8-16	-	42.2	26.1	29.7	18.3	27.7
60	25	RHA604D	807	338	241.3	342.9	177.8	-	-	39.7	57.2	101.6	54.0	3-12	1/2-13 x 130.2	79.4	33.2	55.8	25.1	16.2
60	25	RH605*	1.009	423	241.3	368.3	165.9	-	-	25.4	44.5	101.6	54.0	3-12	1/2-13 x 130.2	79.4	33.2	55.8	25.1	33.1
60	40	RH6010*	2.181	1.427	458.8	716.0	158.8	6 1/4-12	47.6	54.0	81.8	92.1	54.4	3-16	-	84.8	55.4	59.6	38.9	54.5
100	45	RH1001*	526	233	165.1	203.2	212.7	-	-	31.8	58.7	127.0	79.8	4-16	5/8-11 x 177.8	138.0	60.8	97.0	42.7	38.6
100	50	RH1006*	1.971	1.076	314.3	466.7	184.2	-	-	37.3	59.1	111.1	52.4	-	1/2-13 x 139.7	129.2	70.5	90.8	49.6	43.1
100	45	RH10010*	3.552	1.556	495.3	752.5	215.9	8 1/2-12	57	63.5	91.7	139.7	79.8	4 1/2-12	-	138.0	60.8	97.0	42.7	109.0
150	70	RH1505*	2.475	1.207	311.2†	438.2	215.9	-	-	37.3	68.3	139.7	65.1	-	-	194.1	94.8	136.9	66.8	67.2
150	75	RH1508*	3.929	2.086	349.3	552.5	247.7	-	-	39.3	61.1	152.4	80.2	5-12	-	193.2	102.6	135.9	72.1	103.1
200	75	RH2008*	5.307	2.093	408.0	611.2	273.1	-	-	57.2	81.8	190.5	103.2	6-12	1 1/4-12 x 198.1	260.9	102.9	183.5	72.4	142.0

\* Supplied with carrying handles.  
† Measured with 19 mm high serrated insert installed.  
See pages 36-41 & 120-133 for hydraulic accessories.

Aluminum

CYLINDER/PUMP MATCHING	ACCESSORY/REPAIR	PUMP/CYLINDER SETS	HYDRAULIC ACCESSORIES	VALVES	TECH DATA
Page 6	Page 36	Page 61	Page 120	Page 129	Page 231