

RACH-Series, Aluminum Hollow Plunger Cylinders **ENERPAC**

▼ Shown from left to right: RACH15010, RACH206, RACH306



The Lightweight Solution for Tensioning and Testing



Saddles

All RACH-cylinders are equipped with bolt-on hollow removable saddles of hardened steel.



Lightweight Hand Pumps

The Enerpac composite lightweight hand pumps **P392** or **P802** make the optimal lightweight set.

Page: **78**

- Hollow plunger design allows for both pull and push forces
- Composite bearings increase cylinder life and side load resistance
- Hard-Coat finish on all surfaces resists damage and extends cylinder life
- Floating center tube increases seal and product life
- Handles standard on all models
- Steel base plate and saddle for protection against load-induced damage
- Integral stop ring prevents plunger over-travel and is capable of withstanding the full cylinder capacity
- High-strength return spring for rapid cylinder retraction
- CR400 coupler and dust cap included on all models
- All cylinders meet ASME B-30.1 standards.



◀ An RACH306 powered by a P392 hand pump used to extract corroded carriage pins of refuse collection vehicles.

Cylinder Capacity tons (maximum)	Stroke (in)	Model Number	Cylinder Effective Area (in ²)
20 (25.4)	1.97	RACH202	5.07
	3.94	RACH204	5.07
	5.91	RACH206	5.07
	7.87	RACH208	5.07
	9.84	RACH2010	5.07
30 (39.6)	1.97	RACH302	7.92
	3.94	RACH304	7.92
	5.91	RACH306	7.92
	7.87	RACH308	7.92
	9.84	RACH3010	7.92
60 (65.6)	1.97	RACH602	13.13
	3.94	RACH604	13.13
	5.91	RACH606	13.13
	7.87	RACH608	13.13
	9.84	RACH6010	13.13
100 (127.5)	1.97	RACH1002	25.51
	3.94	RACH1004	25.51
	5.91	RACH1006	25.51
	7.87	RACH1008	25.51
	9.84	RACH10010	25.51
150 (175.0)	1.97	RACH1502	35.00
	3.94	RACH1504	35.00
	5.91	RACH1506	35.00
	7.87	RACH1508	35.00
	9.84	RACH15010	35.00

Single-Acting, Spring-Return, Hollow Plunger Cylinders

Steel Base Plate Mounting Holes

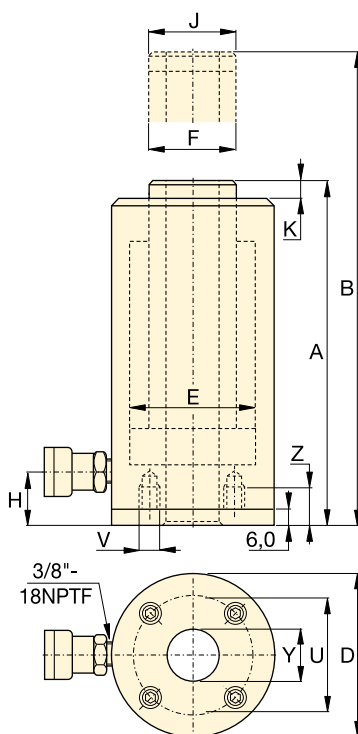
Cylinder Model / Capacity tons	Bolt Circle U (in)	Thread V (mm)	Thread Depth ¹⁾ Z (in)
RACH20	3.15	M6	0.47
RACH30	4.33	M6	0.47
RACH60	6.30	M6	0.47
RACH100	8.66	M10	0.47
RACH150	9.65	M10	0.47

¹⁾ Including Base Plate Height of 0.25 inch and four (4) base plate bolts M6.



Steel Base Plate

The steel base plate protects the cylinder from damage, it should not be removed. See warning on page 17.



RACH Series



Capacity:

20 - 150 tons

Stroke:

1.97 - 9.84 inches

Center Hole Diameter:

1.06 - 3.11 inches

Maximum Operating Pressure:

10,000 psi

Oil Capacity (in ³)	Collapsed Height A (in)	Extended Height B (in)	Outside Diameter D (in)	Cylinder Bore Diameter E (in)	Plunger Diameter F (in)	Bottom to Advance Port H (in)	Saddle Diameter J (in)	Saddle Protrusion from Plunger K (in)	Center Hole Diameter Y (in)	 (lbs)	Model Number
9.98	7.41	9.38	3.93	2.95	2.17	1.14	2.17	0.40	1.06	11.5	RACH202
19.96	9.89	13.83	3.93	2.95	2.17	1.14	2.17	0.40	1.06	13.5	RACH204
29.94	12.41	18.32	3.93	2.95	2.17	1.14	2.17	0.40	1.06	15.6	RACH206
39.87	14.89	22.76	3.93	2.95	2.17	1.14	2.17	0.40	1.06	17.7	RACH208
49.90	17.41	27.25	3.93	2.95	2.17	1.14	2.17	0.40	1.06	19.8	RACH2010
15.59	8.20	10.17	5.12	3.74	2.76	1.14	2.76	0.40	1.34	17.6	RACH302
31.18	10.52	14.46	5.12	3.74	2.76	1.14	2.76	0.40	1.34	20.9	RACH304
46.77	13.12	19.02	5.12	3.74	2.76	1.14	2.76	0.40	1.34	24.6	RACH306
62.35	15.56	23.43	5.12	3.74	2.76	1.14	2.76	0.40	1.34	28.4	RACH308
77.94	18.04	27.88	5.12	3.74	2.76	1.14	2.76	0.40	1.34	31.9	RACH3010
25.84	9.89	11.86	7.09	5.12	3.94	2.41	3.94	0.47	2.13	35.6	RACH602
51.69	12.41	16.35	7.09	5.12	3.94	2.41	3.94	0.47	2.13	42.8	RACH604
77.53	14.97	20.87	7.09	5.12	3.94	2.41	3.94	0.47	2.13	50.3	RACH606
103.37	17.52	25.40	7.09	5.12	3.94	2.41	3.94	0.47	2.13	57.2	RACH608
129.21	20.09	29.93	7.09	5.12	3.94	2.41	3.94	0.47	2.13	65.1	RACH6010
50.21	10.16	12.13	9.84	7.28	5.71	2.41	5.71	0.55	3.11	74.6	RACH1002
100.43	12.80	16.74	9.84	7.28	5.71	2.41	5.71	0.55	3.11	87.8	RACH1004
150.64	15.40	21.31	9.84	7.28	5.71	2.41	5.71	0.55	3.11	101.9	RACH1006
200.85	18.08	25.95	9.84	7.28	5.71	2.41	5.71	0.55	3.11	115.7	RACH1008
251.07	20.76	30.60	9.84	7.28	5.71	2.41	5.71	0.55	3.11	129.3	RACH10010
66.08	11.03	13.00	10.83	8.07	5.91	2.41	5.71	0.55	3.11	107.7	RACH1502
132.17	14.18	18.12	10.83	8.07	5.91	2.41	5.71	0.55	3.11	122.8	RACH1504
206.72	16.93	22.84	10.83	8.07	5.91	2.41	5.71	0.55	3.11	138.9	RACH1506
275.62	19.69	27.57	10.83	8.07	5.91	2.41	5.71	0.55	3.11	154.5	RACH1508
344.53	22.45	32.29	10.83	8.07	5.91	2.41	5.71	0.55	3.11	170.2	RACH15010