▼ Shown from left to right: **RACH-15010, RACH-304 and RACH-208**

The Lightweight Solution for Tensioning and Testing

- **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**
- **Handles included on all models**
- **Floating center tube increases seal life**
- **Steel baseplate 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**

Saddles

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

Lightweight Hand Pumps

Enerpac hand pumps **P-392** or **P-802** make the optimal lightweight set.

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Gauges

Minimize the risk of overloading and ensure long, dependable service from your equipment.

Refer to the System Components section for a full range of gauges.

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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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◀ *An RACH-306, powered by a P-392 hand pump, is used to extract corroded carriage pins from refuse collection vehicles.*

Cylinder Capacity ton [maximum]	Stroke (in)	Model Number	Cylinder Effective Area (in^2)
20 [25.3]	1.97	**RACH-202**	5.07
	5.91	**RACH-206**	5.07
30 [39.6]	1.97	**RACH-302**	7.92
	5.91	**RACH-306**	7.92
60 [65.6]	3.94	**RACH-604**	13.13
	5.91	**RACH-606**	13.13
100 [127.5]	5.91	**RACH-1006**	25.51

Single-Acting, Spring Return, Hollow Plunger Cylinders

Aluminum vs. Steel

Aluminum cylinders, while offering the most lightweight solution also have some unique limitations due to material properties. It differs from steel in that it has a lower finite fatigue life. Aluminum cylinders should NOT be used in high-cycle applications such as production.

These cylinders are designed to provide 5000 cycles at their recommended pressure. **This limit should not be exceeded**. In normal lifting and many maintenance applications, this should provide a lifetime of use.

RACH Series

Capacity:
20-100 tons

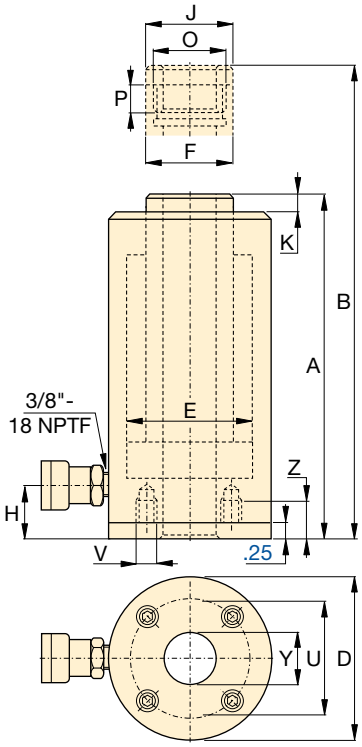
Stroke:
1.97-5.91 inches

Center Hole Diameter:
1.06-3.11 inches

Maximum Operating Pressure:
10,000 psi

Steel Base Plate Mounting Holes			
Cylinder Model / Capacity (ton)	Bolt Circle U (in)	Thread V (mm)	Thread Depth [1] Z (in)
RACH-20	3.15	M6	.47
RACH-30	4.33	M6	.47
RACH-60	6.29	M6	.47
RACH-100	9.05	M6	.47

[1] Including Base Plate Height of .25 inches.
Four (4) baseplate bolts: M6 X 1.0 X .24



Steel Base Plate

The steel base plate protects the cylinder base from damage, it should not be removed.

The base holes in these aluminum cylinders are designed for securing the steel base plate. **They will not withstand the capacity of the cylinder.**

Do not use the base holes in these aluminum cylinders to attach any device to the cylinder.

Standard Features

- CR-400 coupler and dust cap
- All cylinders meet ASME B-30.1 and ISO 10100 standards.

Oil Capacity (in³)	Collapsed Height A (in)	Extended Height B (in)	Outside Diameter D (in)	Cylinder Bore Diameter E (in)	Plunger Diameter F (in)	Base to Advance Port H (in)	Saddle Diameter J (in)	Saddle Protrusion from Plunger K (in)	Center Hole Diameter Y (in)	Weight (lbs)	Model Number
9.98	7.41	9.37	3.94	2.95	2.17	1.14	2.17	.39	1.06	8.4	**RACH-202**
29.94	12.41	18.32	3.94	2.95	2.17	1.14	2.17	.39	1.06	10.1	**RACH-206**
15.59	8.20	10.17	5.12	3.74	2.76	1.14	2.76	.39	1.34	23.3	**RACH-302**
46.77	13.12	19.02	5.12	3.74	2.76	1.14	2.76	.39	1.34	26.2	**RACH-306**
51.69	12.41	16.34	7.09	5.12	3.94	2.41	3.94	.47	2.13	55.4	**RACH-604**
77.53	14.97	20.87	7.09	5.12	3.94	2.41	39.4	.47	2.13	58.3	**RACH-606**
150.64	15.39	21.31	9.84	7.28	5.71	2.41	5.71	.55	3.11	107.1	**RACH-1006**