▼ Shown from left to right: **RACL-1006, RACL-504 and RACL-506**

To Secure Loads Mechanically

Saddles

All RACL cylinders are equipped with bolt-on removable saddles of hardened steel. For tilt saddles see next page.

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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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- **Aluminum Lock Nut provides mechanical load holding for extended periods**
- **Hardened steel stop ring increases cylinder life and resistance to side-loads of up to 5%**
- **Hard coat finish on all surfaces resists damage and extends cylinder life**
- **Composite bearings increase cylinder life and side load resistance**
- **Handles included 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**
- **CR-400 coupler and dustcap included on all models**
- **All cylinders meet ASME B-30.1 and ISO 10100 standards**

Cylinder Capacity ton (maximum)	Stroke* (in)	Model Number	Cylinder Effective Area (in^2)
20 (24.2)	1.97	RACL-202	4.83
	3.94	RACL-204	4.83
	5.91	RACL-206	4.83
	7.87	RACL-208	4.83
	9.84	RACL-2010	4.83
30 (34.2)	1.97	RACL-302	6.85
	3.94	RACL-304	6.85
	5.91	RACL-306	6.85
	7.87	RACL-308	6.85
	9.84	RACL-3010	6.85
50 (54.9)	1.97	RACL-502	10.99
	3.94	RACL-504	10.99
	5.91	RACL-506	10.99
	7.87	RACL-508	10.99
	9.84	RACL-5010	10.99
100 (110.9)	1.97	RACL-1002	22.19
	3.94	RACL-1004	22.19
	5.91	RACL-1006	22.19
	7.87	RACL-1008	22.19
	9.84	RACL-10010	22.19
150 (175.9)	1.97	RACL-1502	35.18
	3.94	RACL-1504	35.18
	5.91	RACL-1506	35.18
	7.87	RACL-1508	35.18
	9.84	RACL-15010	35.18

* Custom strokes available.

◀ *The portable Lock Nut cylinder RACL-1506 used for extended load support during epoxy injection for bridge reinforcement.*

Single-Acting, Spring Return, Lock Nut Cylinders

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.

Capacity:
20-150 tons

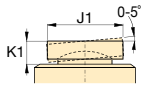
Stroke:
1.97-9.84 inches

Maximum Operating Pressure:
10,000 psi

RACL Series

Optional Bolt-on Tilt Saddle Dimensions (in)

Cylinder Model / Capacity (ton)	Model Number*	Saddle Diameter J1	Saddle Protrusion from Plunger K1
RACL-50	CATG-50	1.95	1.02
RACL-100	CATG-150	3.57	1.30
RACL-150	CATG-200	4.64	1.44

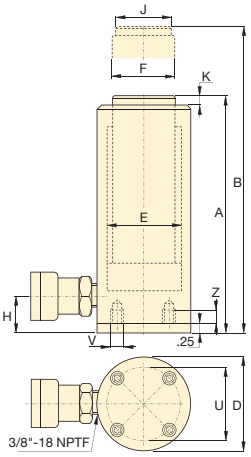


* Tilt saddle not available for less than 50 ton.

Steel Base Plate Mounting Holes

Cylinder Model / Capacity (ton)	Bolt Circle U (in)	Thread V (mm)	Thread Depth [1] Z (in)
RACL-20	2.76	M6	.47
RACL-30	3.15	M6	.47
RACL-50	4.33	M6	.47
RACL-100	5.91	M10	.47
RACL-150	7.87	M10	.47

[1] Including Base Plate Height of .25 inches. Four (4) base plate bolts included.



Oil Capacity (in³)	Collapsed Height A (in)	Extended Height B (in)	Outside Diameter D (in)	Cylinder Bore Diameter E (in)	Plunger Diameter (Threaded) F (in)	Base to Advance Port H (in)	Saddle Diameter J (in)	Saddle Protrusion from Plunger K (in)	Lock Nut Height S (in)	Weight (lbs)	Model Number
9.52	8.83	10.80	3.35	2.48	2.17	1.07	1.58	0.12	1.97	8.8	RACL-202
19.03	10.80	14.73	3.35	2.48	2.17	1.07	1.58	0.12	1.97	10.1	RACL-204
28.55	12.76	18.67	3.35	2.48	2.17	1.07	1.58	0.12	1.97	11.4	RACL-206
38.01	14.73	22.61	3.35	2.48	2.17	1.07	1.58	0.12	1.97	12.7	RACL-208
47.53	16.70	26.54	3.35	2.48	2.17	1.07	1.58	0.12	1.97	14.1	RACL-2010
13.49	9.10	11.07	3.94	2.95	2.36	1.31	1.58	0.12	1.97	11.9	RACL-302
26.99	11.07	15.01	3.94	2.95	2.36	1.31	1.58	0.12	1.97	13.4	RACL-304
40.48	13.04	18.95	3.94	2.95	2.36	1.31	1.58	0.12	1.97	14.9	RACL-306
53.91	15.01	22.88	3.94	2.95	2.36	1.31	1.58	0.12	1.97	16.5	RACL-308
67.40	16.98	26.82	3.94	2.95	2.36	1.31	1.58	0.12	1.97	18.0	RACL-3010
21.65	9.30	11.27	5.12	3.74	3.15	1.19	1.97	0.12	2.95	20.5	RACL-502
43.30	11.27	15.21	5.12	3.74	3.15	1.19	1.97	0.12	2.95	23.4	RACL-504
64.95	13.24	19.14	5.12	3.74	3.15	1.19	1.97	0.12	2.95	26.2	RACL-506
86.49	15.20	23.08	5.12	3.74	3.15	1.19	1.97	0.12	2.95	29.1	RACL-508
108.14	17.17	27.02	5.12	3.74	3.15	1.19	1.97	0.12	2.95	31.9	RACL-5010
43.71	11.66	13.63	7.09	5.32	4.33	1.82	3.70	0.12	2.95	48.2	RACL-1002
87.43	13.63	17.57	7.09	5.32	4.33	1.82	3.70	0.12	2.95	53.3	RACL-1004
131.14	15.60	21.50	7.09	5.32	4.33	1.82	3.70	0.12	2.95	58.4	RACL-1006
174.64	17.57	25.44	7.09	5.32	4.33	1.82	3.70	0.12	2.95	63.4	RACL-1008
218.35	19.54	29.38	7.09	5.32	4.33	1.82	3.70	0.12	2.95	68.5	RACL-10010
69.30	12.71	14.68	9.06	6.69	5.51	2.02	4.45	0.12	3.15	71.0	RACL-1502
138.61	14.68	18.62	9.06	6.69	5.51	2.02	4.45	0.12	3.15	79.8	RACL-1504
207.91	16.65	22.56	9.06	6.69	5.51	2.02	4.45	0.12	3.15	88.6	RACL-1506
276.87	18.62	26.49	9.06	6.69	5.51	2.02	4.45	0.12	3.15	97.4	RACL-1508
346.17	20.59	30.43	9.06	6.69	5.51	2.02	4.45	0.12	3.15	106.3	RACL-15010