

▼ Shown from left to right: RACL-1006, RACL-504, RACL-5010



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



◀ The portable lock nut cylinder RACL-1506 used for extended load supports during epoxy injection for bridge reinforcement.

To Secure Loads Mechanically



Saddles

All RACL-cylinders are equipped with bolt-on removable hardened steel saddles. For Tilt Saddles

see next page.

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Remote Lifting

For heavy lifting in remote locations use the Enerpac ZE-Series electric pumps.

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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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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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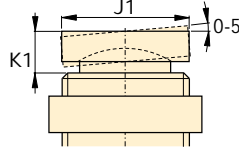
▼ SELECTION CHART

Cylinder Capacity @ 700 bar ton (kN)	Stroke (mm)	Model Number *	Cylinder Effective Area (cm ²)
50 (496)	50	RACL-502	70,9
	100	RACL-504	70,9
	150	RACL-506	70,9
100 (1002)	50	RACL-1002	143,1
	100	RACL-1004	143,1
	150	RACL-1006	143,1
150 (1589)	50	RACL-1502	227,0
	100	RACL-1504	227,0
	150	RACL-1506	227,0

* Note: Every RACL-cylinder is available with a stroke of 50, 100, 150, 200 and 250 mm.

Single-Acting, Aluminium Lock Nut Cylinders

Optional Bolt On Tilt Saddle Dimensions (mm)			
For Cylinder Model / Capacity ton	Tilt Saddle Model Number	Tilt Saddle Diameter J1	Saddle Protrusion from Plunger K1
RACL-50	CATG-50	50	24
RACL-100	CATG-150	91	31
RACL-150	CATG-200	118	35



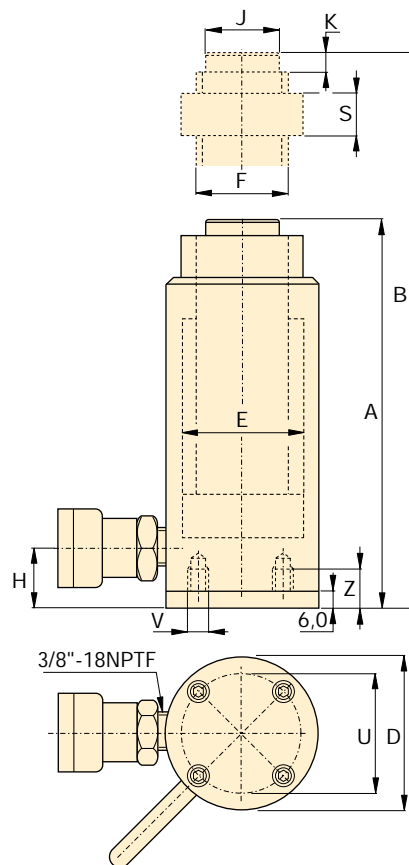
Steel Base Plate Mounting Holes

The mounting holes in these aluminium cylinders are designed for fixturing the steel base plate. They will not withstand the capacity of the cylinder. The steel base plate protects the cylinder from damage and should not be removed.

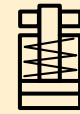
Steel Base Plate Mounting Holes

Cylinder Model / Capacity ton	Bolt Circle U (mm)	Thread V (mm)	Thread Depth ¹⁾ Z (mm)
RACL-50	110,0	M6	12
RACL-100	160,0	M6	12
RACL-150	200,0	M6	12

¹⁾ Including Base Plate Height of 6 mm.



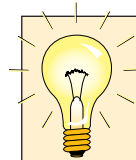
RACL Series



Capacity:
50-150 ton

Stroke:
50 - 150 mm

Maximum Operating Pressure:
700 bar



Other Cylinder Capacities

Lock Nut Aluminium Cylinders are also available in capacities of 20 and 30 ton.

Additional Stroke Lengths

All cylinder models are available with standard stroke lengths of 50, 100, 150, 200 and 250 mm.

Visit www.enerpac.com for all cylinder models and details.



Lifting an Unbalanced Load

When lifting an unbalanced load Enerpac Integrated Lifting Systems can be the solution with multiple lift point capabilities from 4 to 64 points.

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Oil Capacity (cm ³)	Collapsed Height A (mm)	Extended Height B (mm)	Outside Diameter D (mm)	Cylinder Bore Diameter E (mm)	Plunger Diameter (Threaded) F (mm)	Bottom to Advance Port H (mm)	Saddle Diameter J (mm)	Saddle Protrusion fr. Plunger K (mm)	Lock Nut Height S (mm)	Lock Nut (kg)	Model Number *
354	236	286	130	95,0	Tr 80 x 4	30	50	3	50	9,3	RACL-502
709	286	386	130	95,0	Tr 80 x 4	30	50	3	50	10,6	RACL-504
1063	336	486	130	95,0	Tr 80 x 4	30	50	3	50	11,9	RACL-506
716	296	346	180	135,0	Tr 110 x 6	46	94	3	75	21,9	RACL-1002
1431	346	446	180	135,0	Tr 110 x 6	46	94	3	75	24,2	RACL-1004
2147	396	546	180	135,0	Tr 110 x 6	46	94	3	75	26,5	RACL-1006
1135	323	373	230	170,0	Tr 140 x 6	51	113	3	80	32,2	RACL-1502
2270	373	473	230	170,0	Tr 140 x 6	51	113	3	80	36,2	RACL-1504
3405	423	573	230	170,0	Tr 140 x 6	51	113	3	80	40,2	RACL-1506