

RACH, Aluminium Hollow Plunger Cylinders

ENERPAC

▼ Shown from left to right: RACH1504, 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.

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- Hollow plunger design allows for both pull and push forces
- Composite bearings increase cylinder life and sideload 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 dustcap included on all models
- All cylinders meet ASME B-30.1 standards.



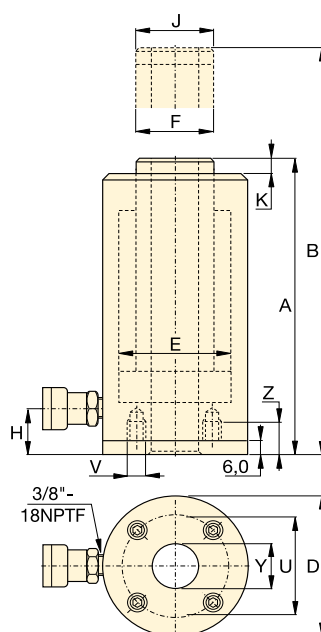
◀ An RACH306 powered by a P392 hand pump used to extract corroded carriage pins of refuse collection vehicles.

Cylinder Capacity @ 700 bar ton (kN)	Stroke (mm)	Model Number	Cylinder Effective Area (cm ²)
20 (229)	50	RACH202	32,7
	100	RACH204	32,7
	150	RACH206	32,7
	200	RACH208	32,7
	250	RACH2010	32,7
30 (358)	50	RACH302	51,1
	100	RACH304	51,1
	150	RACH306	51,1
	200	RACH308	51,1
	250	RACH3010	51,1
60 (596)	50	RACH602	84,7
	100	RACH604	84,7
	150	RACH606	84,7
	200	RACH608	84,7
	250	RACH6010	84,7
100 (1157)	50	RACH1002	164,6
	100	RACH1004	164,6
	150	RACH1006	164,6
	200	RACH1008	164,6
	250	RACH10010	164,6
150 (1588)	50	RACH1502	225,8
	100	RACH1504	225,8
	150	RACH1506	225,8
	200	RACH1508	225,8
	250	RACH15010	225,8

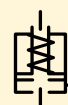
Single-Acting, Aluminium Hollow Plunger Cylinders

Steel Base Plate Mounting Holes			
Cylinder Model / Capacity ton	Bolt Circle U (mm)	Thread V (mm)	Thread Depth ¹⁾ Z (mm)
RACH20	80	M6	12
RACH30	110	M6	12
RACH60	160	M6	12
RACH100	220	M10	12
RACH150	245	M10	12

¹⁾ Including Base Plate Height of 6 mm and four (4) base plate bolts M6.



RACH Series



Capacity:
20 - 150 ton

Stroke:
50 - 250 mm

Center Hole Diameter:
27 - 79 mm

Maximum Operating Pressure:
700 bar

	Oil Capacity (cm ³)	Collapsed Height A (mm)	Extended Height B (mm)	Outside Diameter D (mm)	Cylinder Bore Diameter E (mm)	Plunger Diameter F (mm)	Bottom to Advance Port H (mm)	Saddle Diameter J (mm)	Saddle Protrusion from Plunger K (mm)	Center Hole Diameter Y (mm)	 (kg)	Model Number
	164	188	238	100	75	55	29	55	10	27	5,2	RACH202
	327	251	351	100	75	55	29	55	10	27	6,1	RACH204
	491	315	465	100	75	55	29	55	10	27	7,1	RACH206
	654	378	578	100	75	55	29	55	10	27	8,0	RACH208
	818	442	692	100	75	55	29	55	10	27	9,0	RACH2010
	256	208	258	130	95	70	29	70	10	34	8,0	RACH302
	511	267	367	130	95	70	29	70	10	34	9,5	RACH304
	766	333	483	130	95	70	29	70	10	34	11,2	RACH306
	1022	395	595	130	95	70	29	70	10	34	12,9	RACH308
	1277	458	708	130	95	70	29	70	10	34	14,5	RACH3010
	423	251	301	180	130	100	61	100	12	54	16,2	RACH602
	847	315	415	180	130	100	61	100	12	54	19,5	RACH604
	1270	380	530	180	130	100	61	100	12	54	25,6	RACH606
	1694	445	645	180	130	100	61	100	12	54	26,0	RACH608
	2117	510	760	180	130	100	61	100	12	54	29,6	RACH6010
	823	258	308	250	185	145	61	145	14	79	33,8	RACH1002
	1646	325	425	250	185	145	61	145	14	79	39,8	RACH1004
	2487	391	541	250	185	145	61	145	14	79	46,2	RACH1006
	3291	459	659	250	185	145	61	145	14	79	52,2	RACH1008
	4114	527	777	250	185	145	61	145	14	79	58,8	RACH10010
	1129	280	330	275	205	150	61	145	14	79	48,9	RACH1502
	2258	360	460	275	205	150	61	145	14	79	55,7	RACH1504
	3387	430	580	275	205	150	61	145	14	79	63,0	RACH1506
	4517	500	700	275	205	150	61	145	14	79	70,1	RACH1508
	5646	570	820	275	205	150	61	145	14	79	77,2	RACH15010