

RACH, Aluminium Hollow Plunger Cylinders



▼ Shown from left to right: RACH-1504, RACH-15010, RACH-206, RACH-306



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 P-392 or P-802 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
- CR-400 coupler and dustcap included on all models
- All cylinders meet ASME B-30.1 and ISO 10100 standards.



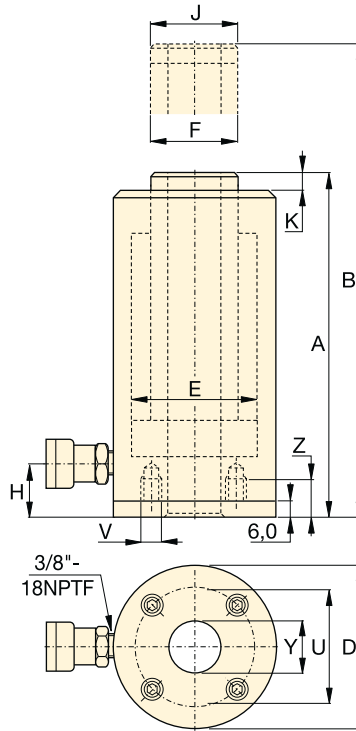
◀ An RACH-306 powered by a P-392 hand pump used to extract corroded carriage pins of refuse collection vehicles.

Cylinder Capacity @ 700 bar	Stroke	Model Number	Cylinder Effective Area
ton (kN)	(mm)		(cm ²)
20 (229)	50	RACH-202	32,7
	100	RACH-204	32,7
	150	RACH-206	32,7
	200	RACH-208	32,7
	250	RACH-2010	32,7
30 (358)	50	RACH-302	51,1
	100	RACH-304	51,1
	150	RACH-306	51,1
	200	RACH-308	51,1
	250	RACH-3010	51,1
60 (596)	50	RACH-602	84,7
	100	RACH-604	84,7
	150	RACH-606	84,7
	200	RACH-608	84,7
	250	RACH-6010	84,7
100 (1157)	50	RACH-1002	164,6
	100	RACH-1004	164,6
	150	RACH-1006	164,6
	200	RACH-1008	164,6
	250	RACH-10010	164,6
150 (1588)	50	RACH-1502	225,8
	100	RACH-1504	225,8
	150	RACH-1506	225,8
	200	RACH-1508	225,8
	250	RACH-15010	225,8

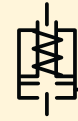
Steel Base Plate Mounting Holes

Cylinder Model / Capacity ton	Bolt Circle U (mm)	Thread V (mm)	Thread Depth ¹⁾ Z (mm)
RACH-20	80	M6	12
RACH-30	110	M6	12
RACH-60	160	M6	12
RACH-100	220	M10	12
RACH-150	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)	Weight (kg)	Model Number
164	188	238	100	75	55	29	55	10	27	5,2	RACH-202
327	251	351	100	75	55	29	55	10	27	6,1	RACH-204
491	315	465	100	75	55	29	55	10	27	7,1	RACH-206
654	378	578	100	75	55	29	55	10	27	8,0	RACH-208
818	442	692	100	75	55	29	55	10	27	9,0	RACH-2010
256	208	258	130	95	70	29	70	10	34	8,0	RACH-302
511	267	367	130	95	70	29	70	10	34	9,5	RACH-304
766	333	483	130	95	70	29	70	10	34	11,2	RACH-306
1022	395	595	130	95	70	29	70	10	34	12,9	RACH-308
1277	458	708	130	95	70	29	70	10	34	14,5	RACH-3010
423	251	301	180	130	100	61	100	12	54	16,2	RACH-602
847	315	415	180	130	100	61	100	12	54	19,5	RACH-604
1270	380	530	180	130	100	61	100	12	54	25,6	RACH-606
1694	445	645	180	130	100	61	100	12	54	26,0	RACH-608
2117	510	760	180	130	100	61	100	12	54	29,6	RACH-6010
823	258	308	250	185	145	61	145	14	79	33,8	RACH-1002
1646	325	425	250	185	145	61	145	14	79	39,8	RACH-1004
2487	391	541	250	185	145	61	145	14	79	46,2	RACH-1006
3291	459	659	250	185	145	61	145	14	79	52,2	RACH-1008
4114	527	777	250	185	145	61	145	14	79	58,8	RACH-10010
1129	280	330	275	205	150	61	145	14	79	48,9	RACH-1502
2258	360	460	275	205	150	61	145	14	79	55,7	RACH-1504
3387	430	580	275	205	150	61	145	14	79	63,0	RACH-1506
4517	500	700	275	205	150	61	145	14	79	70,1	RACH-1508
5646	570	820	275	205	150	61	145	14	79	77,2	RACH-15010