

RAC-Series, Aluminium Cylinders

ENERPAC

▼ Shown from left to right: RAC5010, RAC15010, RAC304, RAC208



- Composite bearings prevent metal-to-metal contact, increasing cylinder life and resistance to side-loads of up to 10%
- Hard-Coat finish on all surfaces resists damage and extends cylinder life
- Handles included on all 30 - 150 ton models
- For protection against load-induced damage a saddle is standard on all models
- Steel base plate is standard on RAC 20 ton models and above. The steel base plate is optional only on RAC10 and 15 ton models
- 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 standard.



◀ The unique Enerpac RA-Series cylinders – lightweight and made of aluminium alloy – these RAC506 cylinders are ideal for the positioning of tunnel elements under the river (High Speed Train Line, The Netherlands).

Lightweight for Maximum Portability



Saddles

All RAC-cylinders are equipped with bolt-on removable hardened steel saddles. For Tilt Saddles see next page.

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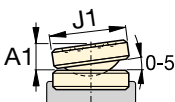
Lightweight Hand Pumps

The Enerpac composite lightweight hand pumps P392 or P802 make the optimal lightweight set.

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Cylinder Capacity at 700 bar ton (kN)	Stroke (mm)	Model Number	Cylinder Effective Area (cm ²)
10 (88)	50	RAC102	12,6
	100	RAC104	12,6
	150	RAC106	12,6
15 (137)	50	RAC152	19,6
	100	RAC154	19,6
	150	RAC156	19,6
20 (218)	50	RAC202	31,2
	100	RAC204	31,2
	150	RAC206	31,2
	200	RAC208	31,2
	250	RAC2010	31,2
30 (309)	50	RAC302	44,2
	100	RAC304	44,2
	150	RAC306	44,2
	200	RAC308	44,2
	250	RAC3010	44,2
50 (496)	50	RAC502	70,9
	100	RAC504	70,9
	150	RAC506	70,9
	200	RAC508	70,9
	250	RAC5010	70,9
100 (1002)	50	RAC1002	143,1
	100	RAC1004	143,1
	150	RAC1006	143,1
	200	RAC1008	143,1
	250	RAC10010	143,1
150 (1589)	50	RAC1502	227,0
	100	RAC1504	227,0
	150	RAC1506	227,0
	200	RAC1508	227,0
	250	RAC15010	227,0

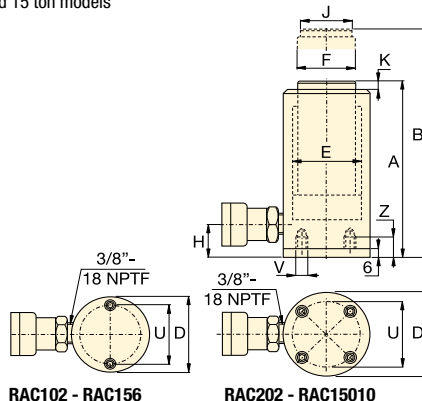
Single-Acting, Aluminium Cylinders

Optional Bolt-on Tilt Saddle Dimensions (mm)				
For Cylinder Model / Capacity ton	Tilt Saddle * Model Number	Tilt Saddle Diameter J1	Addition to Collapsed Height A1	
RAC20, 30	CATS30	55	11	
RAC50	CATS50	71	14	
RAC100	CATS150	97	19	
RAC150	CATS200	126	18	

* Tilt saddles not available for 10 and 15 ton models

Optional Steel Base Plate	
For Cylinder Model / Capacity ton	Base Plate ²⁾ Model Number
RAC10	JBA10
RAC15	JBA15

²⁾ Base plate height of 6mm included on all 20-150 ton models. Base Plate is optional on 10-15 ton cylinders.



RAC102 - RAC156

RAC202 - RAC15010

RAC Series



Capacity:
10 - 150 ton

Stroke:
50 - 250 mm

Maximum Operating Pressure:
700 bar



Steel Base Plate

The steel base plate protects the cylinder from damage, it should not be removed. See warning on page 11.

	Oil Capacity	Collapsed Height	Extended Height	Outside Diameter	Cylinder Bore Diameter	Plunger Diameter	Bottom to Advance Port	Saddle Diameter	Saddle Protrusion from Plunger	Bolt Circle	Thread	Thread Depth		Model Number
	(cm³)	A (mm)	B (mm)	D (mm)	E (mm)	F (mm)	H (mm)	J (mm)	K (mm)	U (mm)	V (mm)	Z (mm)	(kg)	
	60	154	201	58	40	32	23	24	3	39	M6	12	1,3	RAC102
	130	204	304	58	40	32	23	24	3	39	M6	12	1,7	RAC104
	190	254	404	58	40	32	23	24	3	39	M6	12	2,0	RAC106
	100	161	211	70	50	40	23	29	3	48	M6	12	1,9	RAC152
	200	211	311	70	50	40	23	29	3	48	M6	12	2,4	RAC154
	290	261	411	70	50	40	23	29	3	48	M6	12	2,9	RAC156
	156	174	224	85	63	50	27	40	3	70	M6	12	3,6	RAC202
	312	224	324	85	63	50	27	40	3	70	M6	12	4,1	RAC204
	468	274	424	85	63	50	27	40	3	70	M6	12	4,6	RAC206
	624	324	524	85	63	50	27	40	3	70	M6	12	5,1	RAC208
	780	374	624	85	63	50	27	40	3	70	M6	12	5,6	RAC2010
	221	181	231	100	75	60	32	40	3	80	M6	12	4,5	RAC302
	442	231	331	100	75	60	32	40	3	80	M6	12	5,2	RAC304
	663	281	431	100	75	60	32	40	3	80	M6	12	5,9	RAC306
	884	331	531	100	75	60	32	40	3	80	M6	12	6,6	RAC308
	1105	381	631	100	75	60	32	40	3	80	M6	12	7,3	RAC3010
	354	186	236	130	95	80	30	50	3	110	M6	12	8,5	RAC502
	709	236	336	130	95	80	30	50	3	110	M6	12	9,8	RAC504
	1063	286	436	130	95	80	30	50	3	110	M6	12	11,1	RAC506
	1417	336	536	130	95	80	30	50	3	110	M6	12	12,4	RAC508
	1771	386	636	130	95	80	30	50	3	110	M6	12	13,7	RAC5010
	715	221	271	180	135	110	46	94	3	150	M10	12	17,3	RAC1002
	1431	271	371	180	135	110	46	94	3	150	M10	12	19,6	RAC1004
	2147	321	471	180	135	110	46	94	3	150	M10	12	21,9	RAC1006
	2863	371	571	180	135	110	46	94	3	150	M10	12	24,2	RAC1008
	3578	421	671	180	135	110	46	94	3	150	M10	12	26,5	RAC10010
	1135	243	293	230	170	140	51	113	3	200	M10	12	25,3	RAC1502
	2270	293	393	230	170	140	51	113	3	200	M10	12	29,3	RAC1504
	3405	343	493	230	170	140	51	113	3	200	M10	12	33,3	RAC1506
	4540	393	593	230	170	140	51	113	3	200	M10	12	37,3	RAC1508
	5675	443	693	230	170	140	51	113	3	200	M10	12	41,3	RAC15010