▼ From left to right: **RC-506, RC-50, RC-2510, RC-154, RC-10010, RC-55, RC-1010**

The Industry Standard General Purpose Cylinder

- **Unique GR2 Bearing Design, reduces wear, extending life**
- **Collar threads, plunger threads and base mounting holes enable easy fixturing (on most models)**
- **Designed for use in all positions**
- **High strength alloy steel for durability**
- **Redesigned cylinder thread protector for ease of use**
- **Heavy-duty, pretensioned spring improves retraction speed**
- **Baked enamel finish for increased corrosion resistance**
- **CR-400 coupler and dust cap included on all models**
- **Plunger wiper reduces contamination, extending cylinder life.**

Saddles

All RC cylinders (except RC-50, 101) are equipped with hardened removable grooved saddles. For tilt and flat saddles, see the RC-Series accessory page.

Page: **10**

Base Plates

To ensure the stability of cylinders for lifting applications, base plates are available for 10, 25 and 50 ton RC cylinders.

Page: **10**

Specialty Attachments

For solving all kinds of application problems, specialty attachments are available for 5, 10 and 25 ton RC cylinders.

Page: **166**

▼ *Foundation repair: to re-stabilize the foundation, the 308 ton silo needed to be lifted, levelled and structurally supported. 25 ton RC-Series hydraulic jacks were attached to a bracket on the top of each steel pier. Powered by a Z-Class pump, the hydraulic jacks applied 20 ton of force at each placement to lift the silo 5,1 cm.*

▼ *Synchronous lifting set-up for 200 ton petrochemical process module using twelve RC-2510 cylinders. To ensure the stability of the cylinders JBI-25 base plates are installed.*

GR2 Bearing Technology

The exclusive GR2 is a unique bearing design on RC-Series DUO cylinders which absorbs eccentric load stresses to protect your cylinder against abrasion, over-extending or plunger blow-outs and jamming or top-end mushrooming. As a result, RC-Series DUO cylinders provide long, trouble-free operation.

▼ QUICK SELECTION CHART

For complete technical information see next page.

Cylinder Capacity ton (kN)	Stroke (mm)	Model Number	Cylinder Effective Area (cm^2)	Oil Capacity (cm^3)	Collapsed Height (mm)	(kg)
5 (45)	16	**RC-50**	6,5	10	41	1,0
	25	**RC-51**	6,5	16	110	1,0
	76	**RC-53**	6,5	50	165	1,5
	127	**RC-55** *	6,5	83	215	1,9
	177	**RC-57**	6,5	115	273	2,4
	232	**RC-59**	6,5	151	323	2,8
10 (101)	26	**RC-101**	14,5	38	89	1,8
	54	**RC-102** *	14,5	78	121	2,3
	105	**RC-104**	14,5	152	171	3,3
	156	**RC-106** *	14,5	226	247	4,4
	203	**RC-108**	14,5	294	298	5,4
	257	**RC-1010** *	14,5	373	349	6,4
	304	**RC-1012**	14,5	441	400	6,8
	356	**RC-1014**	14,5	516	450	8,2
15 (142)	25	**RC-151**	20,3	51	124	3,3
	51	**RC-152**	20,3	104	149	4,1
	101	**RC-154** *	20,3	205	200	5,0
	152	**RC-156** *	20,3	308	271	6,8
	203	**RC-158**	20,3	411	322	8,2
	254	**RC-1510**	20,3	516	373	9,5
	305	**RC-1512**	20,3	619	423	10,9
	356	**RC-1514**	20,3	723	474	11,8
25 (232)	26	**RC-251**	33,2	86	139	5,9
	50	**RC-252** *	33,2	166	165	6,4
	102	**RC-254** *	33,2	339	215	8,2
	158	**RC-256** *	33,2	525	273	10,0
	210	**RC-258**	33,2	697	323	12,2
	261	**RC-2510**	33,2	867	374	14,1
	311	**RC-2512**	33,2	1033	425	16,3
	362	**RC-2514** *	33,2	1202	476	17,7
30 (295)	209	**RC-308**	42,1	880	387	18,1
50 (498)	51	**RC-502**	71,2	362	176	15,0
	101	**RC-504**	71,2	719	227	19,1
	159	**RC-506** *	71,2	1131	282	23,1
	337	**RC-5013**	71,2	2399	460	37,6
75 (718)	156	**RC-756**	102,6	1601	285	29,5
	333	**RC-7513**	102,6	3417	492	59,0
95 (933)	168	**RC-1006**	133,3	2239	357	59,0
	260	**RC-10010**	133,3	3466	449	72,6

* Available as set, see note on this page.

RC Series

Capacity:
5 - 95 ton

Stroke:
16 - 362 mm

Maximum Operating Pressure:
700 bar

Think Safety

Manufacturer's rating of load and stroke are maximum safe limits. Good practice encourages using only 80% of these ratings.

Page: 264

Lightweight Aluminium Cylinders

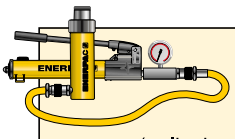
If you need a higher cylinder capacity-to-weight-ratio the **RAC-Series** are the perfect choice.

Page: 13

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.

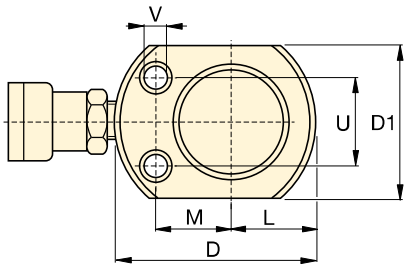
Page: 121

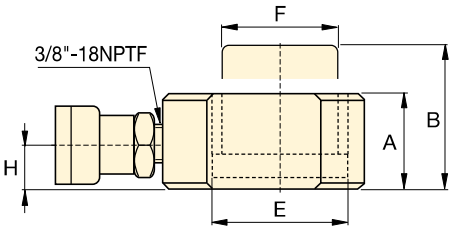


Cylinder-Pump Sets

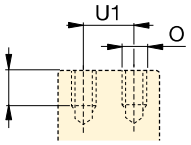
All cylinders marked with an * are available as **sets** (cylinder, gauge, couplers, hose and pump) for your ordering convenience.

Page: 58

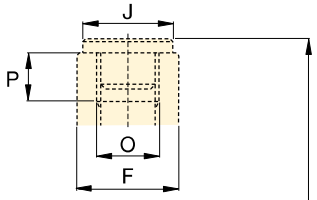


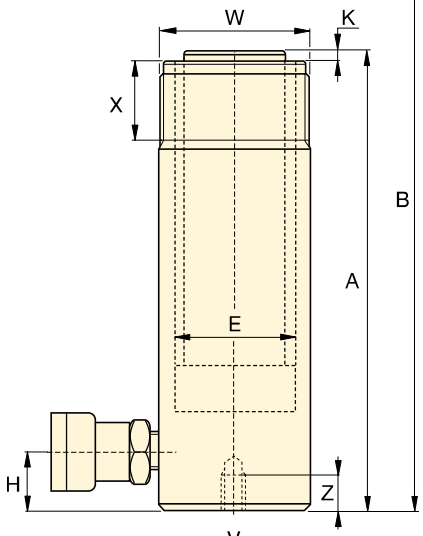


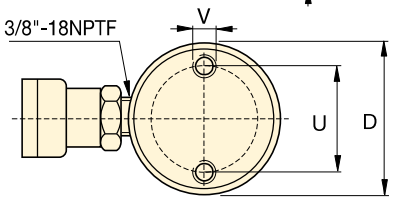
RC-50



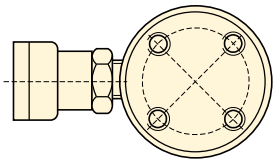
RC-101 only
(U1 = 19 mm)







RC-51 - RC-5013



RC-1006, RC-10010

Speed Chart

See the Enerpac Cylinder Speed Chart in our 'Yellow Pages' to determine your approximate cylinder speed.

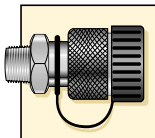
Page: 273

◀ For full features see previous page.

Cylinder Capacity ton (kN)	Stroke (mm)	Model Number	Cylinder Effective Area (cm^2)	Oil Capacity (cm^3)	Collapsed Height A (mm)	Extended Height B (mm)	Outside Dia. D (mm)
5 (45)	16	**RC-50** [2]	6,5	10	41	57	58 [3]
	25	**RC-51**	6,5	16	110	135	38
	76	**RC-53**	6,5	50	165	241	38
	127	**RC-55** [1]	6,5	83	215	342	38
	177	**RC-57**	6,5	115	273	450	38
	232	**RC-59**	6,5	151	323	555	38
10 (101)	26	**RC-101** [4]	14,5	38	89	115	57
	54	**RC-102** [1]	14,5	78	121	175	57
	105	**RC-104**	14,5	152	171	276	57
	156	**RC-106** [1]	14,5	226	247	403	57
	203	**RC-108**	14,5	294	298	501	57
	257	**RC-1010** [1]	14,5	373	349	606	57
	304	**RC-1012**	14,5	441	400	704	57
	356	**RC-1014**	14,5	516	450	806	57
15 (142)	25	**RC-151**	20,3	51	124	149	69
	51	**RC-152**	20,3	104	149	200	69
	101	**RC-154** [1]	20,3	205	200	301	69
	152	**RC-156** [1]	20,3	308	271	423	69
	203	**RC-158**	20,3	411	322	525	69
	254	**RC-1510**	20,3	516	373	627	69
	305	**RC-1512**	20,3	619	423	728	69
	356	**RC-1514**	20,3	723	474	830	69
25 (232)	26	**RC-251**	33,2	86	139	165	85
	50	**RC-252** [1]	33,2	166	165	215	85
	102	**RC-254** [1]	33,2	339	215	317	85
	158	**RC-256** [1]	33,2	525	273	431	85
	210	**RC-258**	33,2	697	323	533	85
	261	**RC-2510**	33,2	867	374	635	85
	311	**RC-2512**	33,2	1033	425	736	85
	362	**RC-2514** [1]	33,2	1202	476	838	85
30 (295)	209	**RC-308**	42,1	880	387	596	101
50 (498)	51	**RC-502**	71,2	362	176	227	127
	101	**RC-504**	71,2	719	227	328	127
	159	**RC-506** [1]	71,2	1131	282	441	127
	337	**RC-5013**	71,2	2399	460	797	127
75 (718)	156	**RC-756**	102,6	1601	285	441	146
	333	**RC-7513**	102,6	3417	492	825	146
95 (933)	168	**RC-1006**	133,3	2239	357	525	177
	260	**RC-10010**	133,3	3466	449	709	177

[1] Available as set, see note on page 7.
[2] RC-50 cylinder has a non removable grooved saddle and no collar thread.
[3] RC-50: D1 = 41 mm, L = 20 mm, M = 25 mm.
[4] RC-101 has plunger thread and non-removable saddle.

Single-Acting, General Purpose Cylinders



Couplers Included!
CR-400 couplers included on all models. Fits all HC-Series hoses.

Capacity:
5 - 95 ton

Stroke:
16 - 362 mm

Maximum Operating Pressure:
700 bar

RC Series

	Cylinder Bore Dia. E (mm)	Plunger Dia. F (mm)	Base to Adv. Port H (mm)	Saddle Dia. J (mm)	Saddle Protr. from Plgr. K (mm)	Plunger Internal Thread O	Plunger Thread Length P (mm)	Base Mounting Holes			Collar Thread W	Collar Thread Length X (mm)	(kg)	Model Number
								Bolt Circle U (mm)	Thread V	Thd. Depth Z (mm)				
	28,7	25,4	19	[2]	[2]	[2]	[2]	28	5,6 mm	—	—	—	1,0	**RC-50** [2]
	28,7	25,4	19	25	6	3/4" - 16 UN	14	25	1/4" - 20 UN	14	1 1/2" - 16 UN	28	1,0	**RC-51**
	28,7	25,4	19	25	6	3/4" - 16 UN	14	25	1/4" - 20 UN	14	1 1/2" - 16 UN	28	1,5	**RC-53**
	28,7	25,4	19	25	6	3/4" - 16 UN	14	25	1/4" - 20 UN	14	1 1/2" - 16 UN	28	1,9	**RC-55** [1]
	28,7	25,4	19	25	6	3/4" - 16 UN	16	25	1/4" - 20 UN	14	1 1/2" - 16 UN	28	2,4	**RC-57**
	28,7	25,4	19	25	6	3/4" - 16 UN	16	25	1/4" - 20 UN	14	1 1/2" - 16 UN	28	2,8	**RC-59**
	42,9	38,1	19	—	—	#10 - 24 UN	6	39	5/16" - 18 UN	12	2 1/4" - 14 UN	26	1,8	**RC-101** [4]
	42,9	38,1	19	35	6	1" - 8 UN	19	39	5/16" - 18 UN	12	2 1/4" - 14 UN	26	2,3	**RC-102** [1]
	42,9	38,1	19	35	6	1" - 8 UN	19	39	5/16" - 18 UN	12	2 1/4" - 14 UN	26	3,3	**RC-104**
	42,9	38,1	19	35	6	1" - 8 UN	19	39	5/16" - 18 UN	12	2 1/4" - 14 UN	26	4,4	**RC-106** [1]
	42,9	38,1	19	35	6	1" - 8 UN	19	39	5/16" - 18 UN	12	2 1/4" - 14 UN	26	5,4	**RC-108**
	42,9	38,1	19	35	6	1" - 8 UN	19	39	5/16" - 18 UN	12	2 1/4" - 14 UN	26	6,4	**RC-1010** [1]
	42,9	38,1	19	35	6	1" - 8 UN	19	39	5/16" - 18 UN	12	2 1/4" - 14 UN	26	6,8	**RC-1012**
	42,9	38,1	19	35	6	1" - 8 UN	19	39	5/16" - 18 UN	12	2 1/4" - 14 UN	26	8,2	**RC-1014**
	50,8	41,4	19	38	9	1" - 8 UN	25	48	3/8" - 16 UN	12	2 3/4" - 16 UN	30	3,3	**RC-151**
	50,8	41,4	19	38	9	1" - 8 UN	22	48	3/8" - 16 UN	12	2 3/4" - 16 UN	30	4,1	**RC-152**
	50,8	41,4	19	38	9	1" - 8 UN	22	48	3/8" - 16 UN	12	2 3/4" - 16 UN	30	5,0	**RC-154** [1]
	50,8	41,4	25	38	9	1" - 8 UN	25	48	3/8" - 16 UN	12	2 3/4" - 16 UN	30	6,8	**RC-156** [1]
	50,8	41,4	25	38	9	1" - 8 UN	25	48	3/8" - 16 UN	12	2 3/4" - 16 UN	30	8,2	**RC-158**
	50,8	41,4	25	38	9	1" - 8 UN	25	48	3/8" - 16 UN	12	2 3/4" - 16 UN	30	9,5	**RC-1510**
	50,8	41,4	25	38	9	1" - 8 UN	25	48	3/8" - 16 UN	12	2 3/4" - 16 UN	30	10,9	**RC-1512**
	50,8	41,4	25	38	9	1" - 8 UN	25	48	3/8" - 16 UN	12	2 3/4" - 16 UN	30	11,8	**RC-1514**
	65,0	57,2	25	50	10	1 1/2" - 16 UN	25	58	1/2" - 13 UN	19	3 5/16" - 12 UN	49	5,9	**RC-251**
	65,0	57,2	25	50	10	1 1/2" - 16 UN	25	58	1/2" - 13 UN	19	3 5/16" - 12 UN	49	6,4	**RC-252** [1]
	65,0	57,2	25	50	10	1 1/2" - 16 UN	25	58	1/2" - 13 UN	19	3 5/16" - 12 UN	49	8,2	**RC-254** [1]
	65,0	57,2	25	50	10	1 1/2" - 16 UN	25	58	1/2" - 13 UN	19	3 5/16" - 12 UN	49	10,0	**RC-256** [1]
	65,0	57,2	25	50	10	1 1/2" - 16 UN	25	58	1/2" - 13 UN	19	3 5/16" - 12 UN	49	12,2	**RC-258**
	65,0	57,2	25	50	10	1 1/2" - 16 UN	25	58	1/2" - 13 UN	19	3 5/16" - 12 UN	49	14,1	**RC-2510**
	65,0	57,2	25	50	10	1 1/2" - 16 UN	25	58	1/2" - 13 UN	19	3 5/16" - 12 UN	49	16,3	**RC-2512**
	65,0	57,2	25	50	10	1 1/2" - 16 UN	25	58	1/2" - 13 UN	19	3 5/16" - 12 UN	49	17,7	**RC-2514** [1]
	73,2	57,2	57	50	10	1 1/2" - 16 UN	25	—	—	—	3 5/16" - 12 UN	49	18,1	**RC-308**
	95,2	79,5	33	71	2	—	—	95	1/2" - 13 UN	19	5" - 12 UN	55	15,0	**RC-502**
	95,2	79,5	33	71	2	—	—	95	1/2" - 13 UN	19	5" - 12 UN	55	19,1	**RC-504**
	95,2	79,5	35	71	2	—	—	95	1/2" - 13 UN	19	5" - 12 UN	55	23,1	**RC-506** [1]
	95,2	79,5	35	71	2	—	—	95	1/2" - 13 UN	19	5" - 12 UN	55	37,6	**RC-5013**
	114,3	95,2	30	71	5	—	—	—	—	—	5 3/4" - 12 UN	44	29,5	**RC-756**
	114,3	95,2	30	71	5	—	—	—	—	—	5 3/4" - 12 UN	44	59,0	**RC-7513**
	130,3	104,9	41	71	2	—	—	140	3/4" - 10 UN	25	6 7/8" - 12 UN	44	59,0	**RC-1006**
	130,3	104,9	41	71	2	—	—	140	3/4" - 10 UN	25	6 7/8" - 12 UN	44	72,6	**RC-10010**

Accessories for RC-Series Cylinders

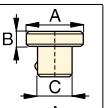
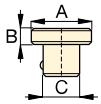
ENERPAC
POWERFUL SOLUTIONS. GLOBAL FORCE.

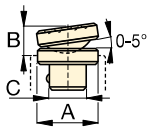
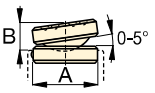
▼ SELECTION CHART

For use with Cylinder Capacity ton (kN)	Saddles			Base Plate	Mounting Block	Clevis Eyes	
	Flat	Grooved [1]	Tilt			Base [4]	Plunger
5 (45)	**A-53F** [2]	**A-53G** [2]	–	–	**RB-5** [2], **AW-51**[2], **AW-53**[2]	**REB-5** [2]	**REP-5** [2]
10 (101)	**A-12**[5], **A-102F**[3]	**A-102G** [3]	**CAT-10** [3]	**JBI-10** [3]	**RB-10, AW-102**	**REB-10**	**REP-10** [3]
15 (142)	–	**A-152G**	**CAT-10**	–	**RB-15**	**REB-15**	**REP-10**
25 (232)	**A-29** [5]	**A-252G**	**CAT-50**	**JBI-25**	**RB-25**	**REB-25**	**REP-25**
30 (295)	**A-29** [5]	**A-252G**	**CAT-50**	–	**RB-25**	–	**REP-25**
50 (498)	–	–	**CAT-100**	**JBI-50**	–	–	–
75 (718)	–	–	**CAT-100**	–	–	–	–
95 (933)	–	–	**CAT-100**	–	–	–	–

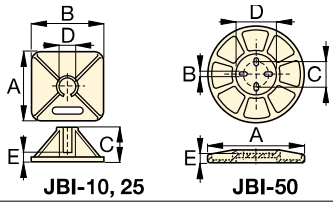
[1] Standard on 5-30 ton RC-cylinders [2] Except RC-50 [3] Except RC-101 [4] Mounting screws are included. [5] Used with Bender Sets.

▼ DIMENSION CHARTS

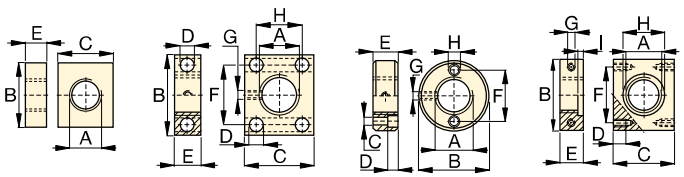
Model Number	Saddle Dimensions (mm)			A-53F, A-102F / A-12, A-29
	A	B	C	
	Flat			
A-53F	25	6	17	
A-102F	35	6	22	
A-12	51	48	1”-8 UNC	
A-29	51	48	1½”-16 UNC	
	Grooved			
A-53G	25	6	17	
A-102G	35	6	22	
A-152G	38	9	22	
A-252G	50	9	35	

Model Number	Tilt Saddle Dimensions (mm)			
	A	B	C	
	Tilt			
CAT-10	35	20	22	
CAT-50	50	23	35	
	Tilt			
CAT-100	71	24	–	

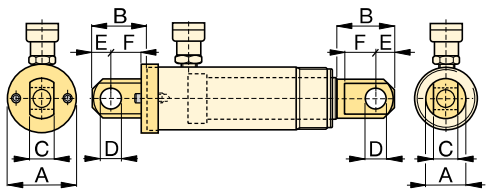
Model Number	Base Plate Dimensions Dimensions (mm)				
	A	B	C	D	E
JBI-10	228	228	135	58	20
JBI-25	279	279	140	86	26
JBI-50	304	15	95	131	31


JBI-10, 25 JBI-50

Model Number	Mounting Block Dimensions (mm)							
	A	B	C	D	E	F	G	H
RB-5	1½"-16UN	88	76	–	25	–	–	–
AW-51	1½"-16UN	70	59	10	24	54	¼"-16 UN	41
AW-53	1½"-16UN	72	7	7	19	57	¼"-20 UN	10
RB-10	2¼"-14UN	114	88	–	25	–	–	–
AW-102	2¼"-14UN	100	82	16	30	76	7⁄16"-20 UN	58
RB-15	2¾"-16UN	101	114	–	38	–	–	–
RB-25	3⁵⁄₁₆"-12UN	127	165	–	50	–	–	–


RB-5, -10 RB-15, -25 AW-51 AW-53 AW-102 (l=4,8)

Type	Model Number	Clevis Eye Dimensions (mm)						Pin-to-Pin * (mm)
		A	B	C	D	E	F	
Base [4]	**REB-5**	44	47	14	16	16	25	60,2
	REB-10	63	66	25	22	25	35	78,0
	REB-15	76	66	25	22	25	35	78,0
	REB-25	95	79	38	31	31	41	87,6
Plunger	**REP-5**	28	45	14	16	16	19	-
	REP-10	42	61	25	22	25	28	-
	REP-25	57	71	38	31	31	35	-


REB REP

[4] Mounting screws are included.

* Pin to Pin – REB and REP Clevises fitted. Add cylinder collapsed height.