

RC-Series, Single-Acting Cylinders

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



- The exclusive Golden Ring design absorbs eccentric loading without galling cylinder parts
- 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
- Nickel plating available on most models (contact Enerpac for details)
- Heavy duty return springs
- Baked enamel finish for increased corrosion resistance
- CR-400 coupler and dust cap included on all models
- Plunger wiper reduces contamination, extending cylinder life.

▼ Stage lifting set up in Greece, where assembled pipes, 25 meters in length, were stage lifted with six RC-2514 cylinders.



The Industry Standard General Purpose Cylinder



Saddles

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



Base Plates

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



Specialty Attachments

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

▼ RC cylinder mounting attachments greatly extend the application possibilities (available for 5, 10, 15 and 25 ton cylinders).



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Single-Acting, General Purpose Cylinders




Golden Ring Design

The exclusive Golden Ring Design is a unique bearing design 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, Golden Ring cylinders provide long, trouble-free operation.

▼ QUICK SELECTION CHART

For complete technical information see next page.

Cylinder Capacity	Stroke	Model Number	Cylinder Effective Area	Oil Capacity	Collapsed Height	
ton (kN)	(mm)		(cm ²)	(cm ³)	(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-50 cylinder has a non removable grooved saddle and no collar thread.

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.



Lightweight Aluminium Cylinders

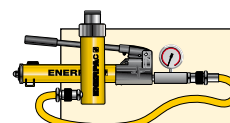
If you need a higher cylinder capacity-to-weight-ratio the **RAC-Series** are the perfect choice.



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.



Cylinder-Pump Sets

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



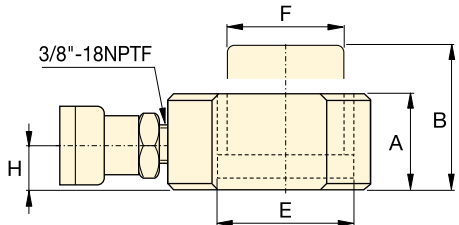
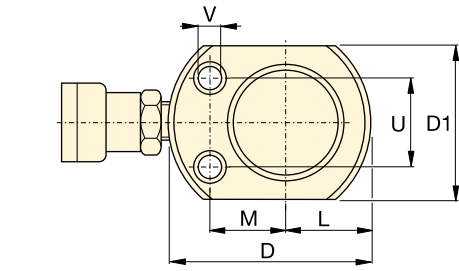
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RC-Series, Single-Acting Cylinders



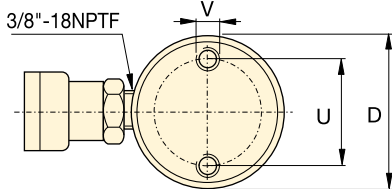
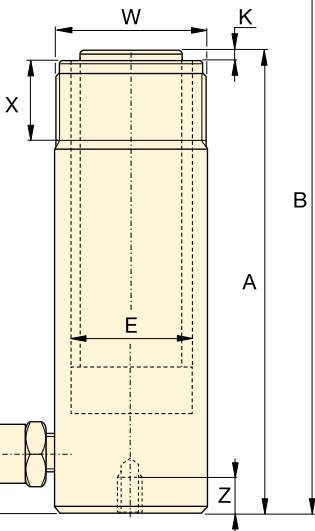
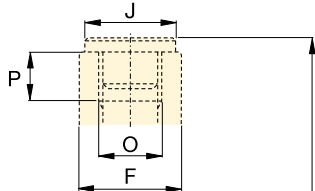
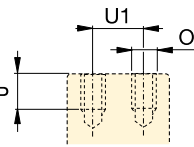
Speed Chart

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

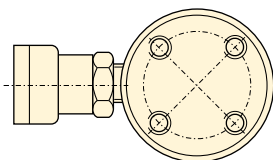


RC-50

RC-101 only
(U1 = 19 mm)



RC-51 - RC-5013



RC-1006, RC-10010

◀ For full features see previous page.

Cylinder Capacity	Stroke	Model Number	Cylinder Effective Area	Oil Capacity	Collapsed Height	Extended Height	Outside Dia.
ton (kN)	(mm)		(cm ²)	(cm ³)	A (mm)	B (mm)	D (mm)
5 (45)	16	RC-50**	6,5	10	41	57	58***
	25	RC-51	6,5	16	110	135	38
	76	RC-53	6,5	50	165	241	38
	127	RC-55*	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	14,5	38	89	115	57
	54	RC-102*	14,5	78	121	175	57
	105	RC-104	14,5	152	171	276	57
	156	RC-106*	14,5	226	247	403	57
	203	RC-108	14,5	294	298	501	57
	257	RC-1010*	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*	20,3	205	200	301	69
	152	RC-156*	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*	33,2	166	165	215	85
	102	RC-254*	33,2	339	215	317	85
	158	RC-256*	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*	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*	71,2	1131	282	441	127
75 (718)	337	RC-5013	71,2	2399	460	797	127
	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

* Available as set, see note on this page.

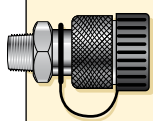
** RC-50 cylinder has a non removable grooved saddle and no collar thread.

*** D1 = 41 mm, L = 20 mm, M = 25 mm.



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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	**	**	**	**	28	5,6 mm	—	—	—	1,0	RC-50**
28,7	25,4	19	25	6	3/4" - 16	14	25	1/4" - 20UN	14	1 1/2" - 16	28	1,0	RC-51
28,7	25,4	19	25	6	3/4" - 16	14	25	1/4" - 20UN	14	1 1/2" - 16	28	1,5	RC-53
28,7	25,4	19	25	6	3/4" - 16	14	25	1/4" - 20UN	14	1 1/2" - 16	28	1,9	RC-55*
28,7	25,4	19	25	6	3/4" - 16	16	25	1/4" - 20UN	14	1 1/2" - 16	28	2,4	RC-57
28,7	25,4	19	25	6	3/4" - 16	16	25	1/4" - 20UN	14	1 1/2" - 16	28	2,8	RC-59
42,9	38,1	19	—	—	#10 - 24UN	6	39	5/16" - 18UN	12	2 1/4" - 14	26	1,8	RC-101
42,9	38,1	19	35	6	1" - 8	19	39	5/16" - 18UN	12	2 1/4" - 14	26	2,3	RC-102*
42,9	38,1	19	35	6	1" - 8	19	39	5/16" - 18UN	12	2 1/4" - 14	26	3,3	RC-104
42,9	38,1	19	35	6	1" - 8	19	39	5/16" - 18UN	12	2 1/4" - 14	26	4,4	RC-106*
42,9	38,1	19	35	6	1" - 8	19	39	5/16" - 18UN	12	2 1/4" - 14	26	5,4	RC-108
42,9	38,1	19	35	6	1" - 8	19	39	5/16" - 18UN	12	2 1/4" - 14	26	6,4	RC-1010*
42,9	38,1	19	35	6	1" - 8	19	39	5/16" - 18UN	12	2 1/4" - 14	26	6,8	RC-1012
42,9	38,1	19	35	6	1" - 8	19	39	5/16" - 18UN	12	2 1/4" - 14	26	8,2	RC-1014
50,8	41,4	19	38	9	1" - 8	25	48	3/8" - 16UN	12	2 3/4" - 16	30	3,3	RC-151
50,8	41,4	19	38	9	1" - 8	25	48	3/8" - 16UN	12	2 3/4" - 16	30	4,1	RC-152
50,8	41,4	19	38	9	1" - 8	25	48	3/8" - 16UN	12	2 3/4" - 16	30	5,0	RC-154*
50,8	41,4	25	38	9	1" - 8	25	48	3/8" - 16UN	12	2 3/4" - 16	30	6,8	RC-156*
50,8	41,4	25	38	9	1" - 8	25	48	3/8" - 16UN	12	2 3/4" - 16	30	8,2	RC-158
50,8	41,4	25	38	9	1" - 8	25	48	3/8" - 16UN	12	2 3/4" - 16	30	9,5	RC-1510
50,8	41,4	25	38	9	1" - 8	25	48	3/8" - 16UN	12	2 3/4" - 16	30	10,9	RC-1512
50,8	41,4	25	38	9	1" - 8	25	48	3/8" - 16UN	12	2 3/4" - 16	30	11,8	RC-1514
65,0	57,2	25	50	10	1 1/2" - 16	19	58	1/2" - 13UN	19	3 5/16" - 12	49	5,9	RC-251
65,0	57,2	25	50	10	1 1/2" - 16	25	58	1/2" - 13UN	19	3 5/16" - 12	49	6,4	RC-252*
65,0	57,2	25	50	10	1 1/2" - 16	25	58	1/2" - 13UN	19	3 5/16" - 12	49	8,2	RC-254*
65,0	57,2	25	50	10	1 1/2" - 16	25	58	1/2" - 13UN	19	3 5/16" - 12	49	10,0	RC-256*
65,0	57,2	25	50	10	1 1/2" - 16	25	58	1/2" - 13UN	19	3 5/16" - 12	49	12,2	RC-258
65,0	57,2	25	50	10	1 1/2" - 16	25	58	1/2" - 13UN	19	3 5/16" - 12	49	14,1	RC-2510
65,0	57,2	25	50	10	1 1/2" - 16	25	58	1/2" - 13UN	19	3 5/16" - 12	49	16,3	RC-2512
65,0	57,2	25	50	10	1 1/2" - 16	25	58	1/2" - 13UN	19	3 5/16" - 12	49	17,7	RC-2514*
73,2	57,2	57	50	10	1 1/2" - 16	25	—	—	—	3 5/16" - 12	49	18,1	RC-308
95,2	79,5	33	71	2	—	—	95	1/2" - 13UN	19	5" - 12	55	15,0	RC-502
95,2	79,5	33	71	2	—	—	95	1/2" - 13UN	19	5" - 12	55	19,1	RC-504
95,2	79,5	35	71	2	—	—	95	1/2" - 13UN	19	5" - 12	55	23,1	RC-506*
95,2	79,5	35	71	2	—	—	95	1/2" - 13UN	19	5" - 12	55	37,6	RC-5013
114,3	95,2	30	71	5	—	—	—	—	—	5 3/4" - 12	44	29,5	RC-756
114,3	95,2	30	71	5	—	—	—	—	—	5 3/4" - 12	44	59,0	RC-7513
130,3	104,9	41	71	2	—	—	140	3/4" - 10UN	25	6 7/8" - 12	44	59,0	RC-1006
130,3	104,9	41	71	2	—	—	140	3/4" - 10UN	25	6 7/8" - 12	44	72,6	RC-10010



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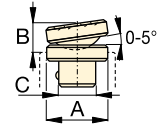
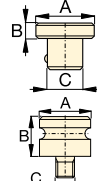

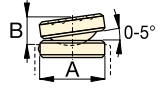
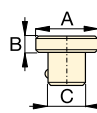
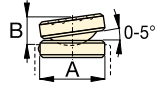
Cylinder Accessories

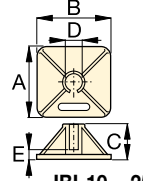
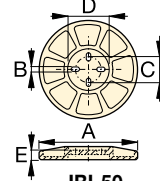
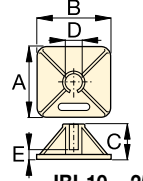
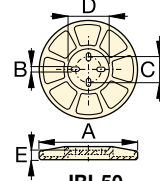
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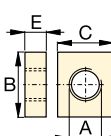
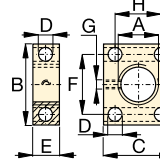
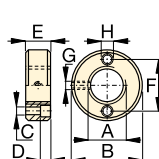
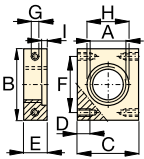
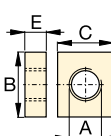
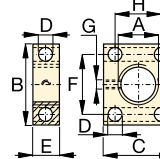
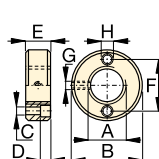
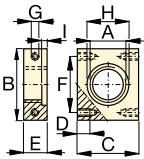
For use with Cylinder Capacity ton (kN)	Saddles			Base Plate	Mounting Block	Clevis Eyes	
	Flat	Grooved ¹⁾	Tilt			Base ⁴⁾	Plunger
5 (45)	A-53F ²⁾	A-53G ²⁾	-	-	RB-5 ²⁾ , AW-51 ²⁾ , AW-53 ²⁾	REB-5 ²⁾	REP-5 ²⁾
10 (101)	A-12 ³⁾ , A-102F ³⁾	A-102G ³⁾	CAT-10 ³⁾	JB-I-10	RB-10, AW-102	REB-10	REP-10 ³⁾
15 (142)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

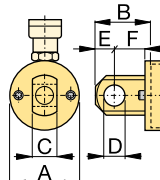
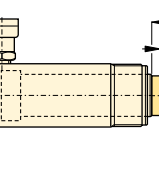
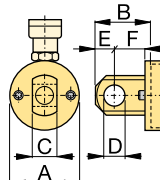
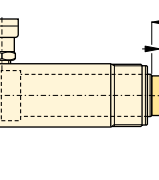
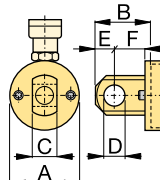
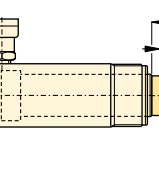
¹⁾ Standard on 5-30 ton RC-cylinders ²⁾ Except RC-50 ³⁾ Except RC-101 ⁴⁾ Mounting screws are included. ⁵⁾ Used with Bender Sets.

▼ DIMENSION CHARTS

Model Nr.	Saddle Dimensions (mm)			A-53F, A-102F	A-12, A-29	Model Nr.	Tilt Saddle Dimensions (mm)				
	A	B	C				A	B	C		
Flat											
A-53F	25	6	17			CAT-10	35	15	22		
A-102F	35	6	22			CAT-50	50	23	35		
A-12	51	48	1"-8UNC								
A-29	51	48	1 1/2"-16UNC								
Grooved											
A-53G	25	6	17		CAT-100	71	24	-			
A-102G	35	6	22								
A-152G	38	9	22								
A-252G	50	9	35								

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

Model Nr.	Mounting Block Dimensions (mm)											
	A	B	C	D	E	F	G	H				
RB-5	1 1/2" - 16	88	76	-	25	-	-	-				
AW-51	1 1/2" - 16	70	59	10	24	54	1/4" - 20	41				
AW-53	1 1/2" - 16	72	7	7	19	57	1/4" - 20	10				
RB-10	2 1/4" - 14	114	88	-	25	-	-	-				
AW-102	2 1/4" - 14	100	82	16	30	76	7/16" - 20	58				
RB-15	2 3/4" - 16	101	114	-	38	-	-	-				
RB-25	3 5/16" - 12	127	165	-	50	-	-	-				

Type	Model Nr.	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	41	14	16	16	19	-		
	REP-10	42	61	25	22	25	28	-		
	REP-25	57	74	38	31	31	35	-		

⁴⁾ Mounting screws are included.

* Pin to Pin- REB and REP Clevises fitted.
Add cylinder stroke length.