

▼ Shown from left to right: RD2510, RD96, RD256, RD41, RD166



High-Precision and High-Cycle Performance



Speed Chart

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

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- Designed for long life, the best choice for production applications
- Unique mounting configurations simplify fixturing
- Baked enamel finish for increased corrosion resistance
- Double-acting operation develops force in both directions, providing maximum versatility
- Plunger wiper reduces contamination, extending cylinder life
- Metric models (BRD and BAD-Series) available on request.

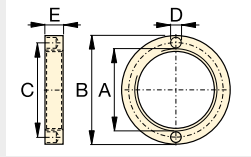
▼ Clamping application using Enerpac RD-Series cylinders (with clevis eye attachments on both ends) for their high pressure capability and mounting flexibility.



Cylinder Capacity	Stroke	Model Number	Max. Cylinder Capacity (tons)		Cylinder Effective Area (in ²)		Oil Capacity (in ³)		Collap. Height	Extended Height	Body Length	Outside Dia.	Cylinder Bore Dia.	Plunger Dia.	
(tons)	(in)		Advance	Retract	Advance	Retract	Advance	Retract	A (in)	B (in)	C (in)	D (in)	E (in)	F (in)	
4	1.13	RD41	4	2	0.79	0.34	0.88	0.39	7.31	8.44	6.38	2.00	1.00	0.75	
	3.13	RD43	4	2	0.79	0.34	2.45	1.07	9.31	12.44	8.38	2.00	1.00	0.75	
	6.13	RD46	4	2	0.79	0.34	4.81	2.10	12.31	18.44	11.38	2.00	1.00	0.75	
9	1.13	RD91	9	5	1.77	0.98	1.99	1.10	8.75	9.88	7.80	2.50	1.50	1.00	
	3.13	RD93	9	5	1.77	0.98	5.52	3.07	10.78	13.91	9.80	2.50	1.50	1.00	
	6.13	RD96	9	5	1.77	0.98	10.82	6.01	13.78	19.91	12.80	2.50	1.50	1.00	
	10.13	RD910	9	5	1.77	0.98	17.89	9.94	17.78	27.91	16.81	2.50	1.50	1.00	
16	6.25	RD166	16	8	3.14	1.66	19.63	10.35	15.31	21.56	14.13	3.00	2.00	1.38	
	10.25	RD1610	16	8	3.14	1.66	32.20	16.98	19.31	29.56	18.11	3.00	2.00	1.38	
25	6.25	RD256	25	11	4.91	2.15	30.68	13.42	16.69	22.94	15.63	3.63	2.50	1.88	
	10.25	RD2510	25	11	4.91	2.15	50.31	22.01	20.69	30.94	19.61	3.63	2.50	1.88	

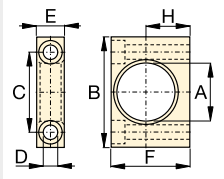
Double-Acting, Precision Production Cylinders

▼ RD CYLINDER ATTACHMENTS

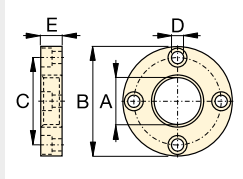


Retainer Nut

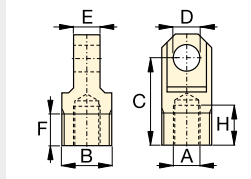
For locking foot or flange mountings. Tightens onto cylinder collar threads (Included with foot and flange mounting kits).



Foot Mounting
Mounts onto cylinder collar.



Flange Mounting
Mounts onto cylinder collar.



Clevis Eye
Threads onto plunger or into cylinder base.

Model Number	RD-Cyl. tons	Dimensions (in)						
		A	B	C	D	E	F	H
Foot Mounting with Retainer Nut								
AD141	4	1.38	3.00	2.00	0.41	0.75	2.25	1.25
AD171	9	2.00	4.00	2.88	0.53	1.00	3.25	1.75
AD181	16	2.63	5.00	3.75	0.78	1.38	4.00	2.06
AD191	25	3.25	6.25	4.62	1.03	1.75	4.88	2.50
Flange Mounting with Retainer Nut								
AD142	4	1.38	3.88	3.09	0.41	0.75	–	–
AD172	9	2.00	4.75	3.88	0.41	1.00	–	–
AD182	16	2.63	5.63	4.56	0.53	1.38	–	–
AD192	25	3.25	6.50	5.34	0.66	1.75	–	–
Retainer Nut								
AD143	4	1⅜-12 UNF	2.25	1.81	0.25	0.38	–	–
AD173	9	2-12 UN	3.00	2.50	0.27	0.50	–	–
AD183	16	2⅝-16 UN	3.63	3.12	0.27	0.75	–	–
AD193	25	3¼-16 UN	4.25	3.75	0.27	1.00	–	–
Clevis Eye (See chart below for mounting dimensions L, L1 and M)								
AD150	4	½-20 UNF	1⅛-20 UN	2.06	0.63	0.62	0.75	0.94
AD151	9	¾-16 UNF	1⅞-18 UNEF	2.25	0.75	1.00	1.00	0.94
AD152	16	1⅛-12 UNF	2⅜-16 UNS	3.06	1.00	1.25	1.00	1.19
AD153	25	1½-12 UNF	2¾-16 UN	3.06	1.25	1.50	1.00	1.06

RD Series



Capacity:

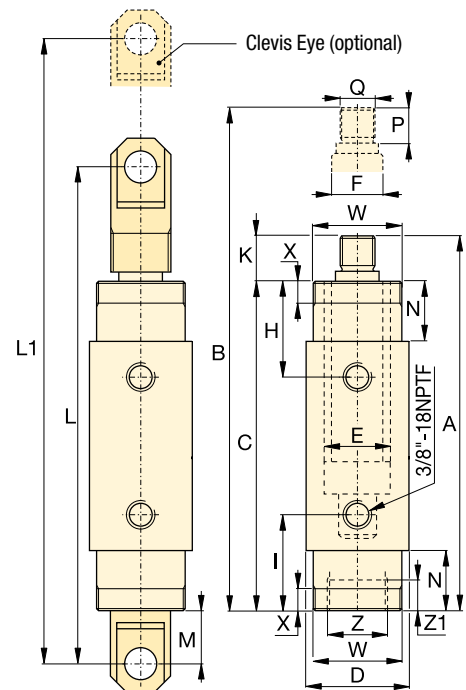
4 - 25 tons

Stroke:

1.13 - 10.25 inches

Maximum Operating Pressure:

10,000 psi



Top to Retract Port H (in)	Bottom to Advance Port I (in)	Plunger Protrusion K (in)	Clevis Eye Mounting Dimensions			Neck Length N (in)	Plunger Thread Length P (in)	Plunger External Thread Q (in)	Cylinder Mounting Dimensions (in)				Model Number
			L (in)	L1 (in)	M (in)				Collar Thread W	Collar Thread Length X	Internal Base Thread Z	Int. Base Thread Length Z1	
1.88	1.88	0.94	10.12	11.25	1.61	1.13	0.75	1/2"-20	1 $\frac{3}{8}$ "-12	0.44	1 $\frac{1}{8}$ "-20	0.35	4.8 RD41
1.88	1.88	0.94	12.12	15.25	1.61	1.13	0.75	1/2"-20	1 $\frac{3}{8}$ "-12	0.44	1 $\frac{1}{8}$ "-20	0.35	6.4 RD43
1.88	1.88	0.94	15.12	21.25	1.61	1.13	0.75	1/2"-20	1 $\frac{3}{8}$ "-12	0.44	1 $\frac{1}{8}$ "-20	0.35	9.0 RD46
2.27	2.27	0.98	11.61	12.76	1.50	1.50	0.75	3/4"-16	2"-12	0.56	1 $\frac{1}{16}$ -18	0.55	9.0 RD91
2.27	2.27	0.98	13.66	16.79	1.50	1.50	0.75	3/4"-16	2"-12	0.56	1 $\frac{1}{16}$ -18	0.55	11.0 RD93
2.27	2.27	0.98	16.66	22.79	1.50	1.50	0.75	3/4"-16	2"-12	0.56	1 $\frac{1}{16}$ -18	0.55	14.0 RD96
2.27	2.27	0.98	20.66	30.79	1.50	1.50	0.75	3/4"-16	2"-12	0.56	1 $\frac{1}{16}$ -18	0.55	19.0 RD910
2.90	2.90	1.19	19.32	25.57	2.05	2.13	1.00	1 $\frac{1}{8}$ "-12	2 $\frac{5}{8}$ "-16	0.88	2 $\frac{3}{16}$ -16	0.94	22.0 RD166
2.90	2.90	1.19	23.32	33.57	2.05	2.13	1.00	1 $\frac{1}{8}$ "-12	2 $\frac{5}{8}$ "-16	0.88	2 $\frac{3}{16}$ -16	0.94	29.0 RD1610
3.50	3.50	1.06	20.86	27.11	2.09	2.75	1.00	1 $\frac{1}{2}$ "-12	3 $\frac{1}{4}$ "-16	1.13	2 $\frac{3}{4}$ "-16	1.02	36.0 RD256
3.50	3.50	1.08	24.86	35.11	2.09	2.75	1.00	1 $\frac{1}{2}$ "-12	3 $\frac{1}{4}$ "-16	1.13	2 $\frac{3}{4}$ "-16	1.02	46.0 RD2510