

DOUBLE-ACTING - 10-1000 TON



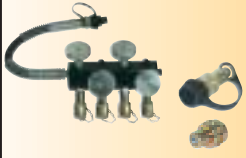
CYLINDERS

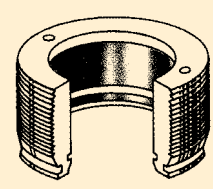
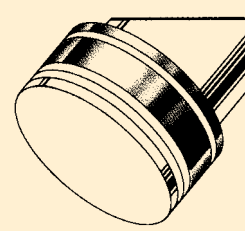
Simplex Double-Acting Cylinders Increase Productivity.



- 31 Models.
- Available in custom strokes & sizes.
- Relief valves protect against over pressurizing.
- Standard collar threads on models up to 200 tons.
- Optional custom base & collar threads available on models 300 tons and up.
- Ideal for heavy duty applications.
- Provides force in advance & return cycles.
- High flow quality couplers.
- Plated pistons to resist scoring & corrosion.
- Stop ring for piston blow-out protection.
- Large bearings resist side load.
- Rod wiper protects inner cylinder from dirt.
- Carrying handles included on models RDA556 through RDA15012.

Maintenance crews relied on Simplex RDA15018 cylinders to help lift, transport and launch a U.S. Navy research ship from dry dock to the ships launch site. "Simplex cylinders were key to a successful operation."

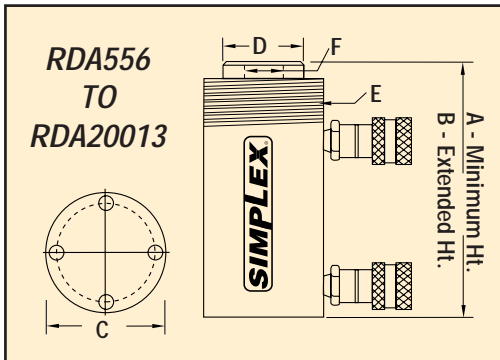
		
Power Pumps pgs. 44-62	Hoses pgs. 70-71	Couplers pg. 68 Manifolds & Fittings pg. 69

300 THROUGH 1,000 TON MODELS	
<u>RETAINING NUT</u>	<u>PISTON FLANGE</u>
	
Thick bronze inlay on the inner diameter of the retaining nut protects the piston rod from scoring and minimizes the effect of damaging side loads.	Thick bronze inlay on the piston flange virtually eliminates scoring of cylinder bore while offering the best protection against accidental side loading.



CYLINDERS

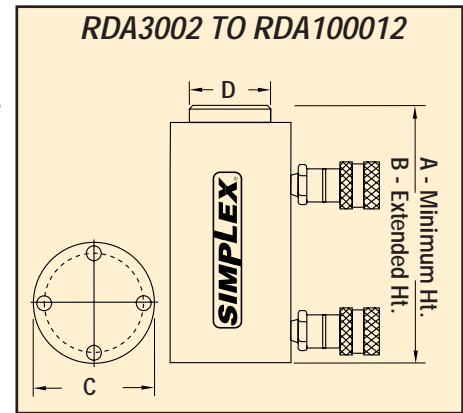
DOUBLE-ACTING - 10-1000 TON



Base Mounting Dimensions

Capacity	Thread		Bolt Circle Dia. (in)
	Size (in)	Depth (in)	
55 Ton	5/8-11	3/4	3 3/4
100 Ton	5/8-11	1	4 1/4
150 Ton	1-8	1 3/8	5
200 Ton	1-8	1 1/8	5

10 & 30 Ton Cylinders do not have base mounting holes.



Double-Acting Cylinders 10 Through 1000 Ton Capacities

Model Number	Push Cap. (tons)	Pull Cap. (tons)	Stroke (in)	A Min. Ht. (in)	B Ext. Ht. (in)	Pull Effect Area (sq in)	Push Effect Area (sq in)	Pres. @ Cap. (psi)	Oil Cap. Req'd (cu in)	C Body O.D. (in)	D Piston O.D. (in)	Ram Bore Dia. (in)	F		E		Wgt. (lbs)
													Piston I.D. Thrds. (in)	Piston Thrd. Lgth. (in)	Collar Thrds. (in)	Collar Thrd. Lgth. (in)	
RDA1010	10	4	10	16 1/8	26 1/8	0.80	2.23	8,960	22.33	2 7/8	1 3/8	---	1 - 8	1	2 1/4-14	1 1/16	28
RDA308	30	5	8 1/8	15 3/4	23 3/4	3.00	6.51	9,250	33.83	4	2 1/8	---	1 1/2 - 16	1	35/16-12	1 15/16	40
RDA3014			14 1/2	21 5/8	36 1/8				92.70								64
RDA556	55	17	6 1/8	13 1/8	19 1/4	3.40	11.05	9,955	46	5	3 1/8	---	1 - 12	1 1/2	5 - 12	1 3/4	68
RDA5512			12	19 1/8	31 1/8				92								114
RDA5524			24	31 5/8	55 5/8				184								201
RDA1006	100	45	6 1/16	13 7/8	19 15/16	9.08	21.65	9,239	77	7	4	---	3 1/4 - 12	2 1/2	7 - 12	2 1/2	140
RDA10012			12	19 7/8	31 7/8				151								187
RDA1506	150	67	6 1/16	15 7/16	21 1/2	13.55	33.18	9,041	120	8 1/2	5	---	3 1/2 - 12	2 3/4	8 1/2-12	2 3/16	218
RDA15012			12	21 1/2	33 1/2				236								295
RDA2002	200	72	2	11 7/16	13 7/16	15.91	44.18	9,054	66	10	6	7 1/2	---	---	9 3/4-12	1 7/8	232
RDA2006			6	15 7/16	21 7/16				170								315
RDA20013			13	22 7/16	35 7/16				368								440
RDA3002	300	51.55	2	13 1/4	15 1/4	20.62	70.9	8,460	101	12	8	9 1/2	---	---	---	---	277
RDA3006			6	17 1/4	23 1/4				302								441
RDA30012			12	23 1/4	35 1/4				605								688
RDA4002	400	123	2	12 3/8	14 3/8	49.48	113	7,080	127	14 1/2	9	12	---	---	---	---	530
RDA4006			6	16 5/8	22 5/8				382								670
RDA40012			12	22 7/8	34 7/8				762								880
RDA5002	500	135	2	16 1/2	18 1/2	54.19	132	7,590	156	16	10	13	---	---	---	---	722
RDA5006			6	20 1/2	26 1/2				471								953
RDA50012			12	26 1/2	38 1/2				942								1300
RDA6002	600	110	2	15	17	44.17	122.71	10,000	158	17	10	12 1/2	---	---	---	---	917
RDA6006			6	19	25				472								1188
RDA60012			12	25	37				944								1595
RDA8002	800	130	2	16	18	52.03	165.13	9,690	226	18 1/2	12	14 1/2	---	---	---	---	1166
RDA8006			6	20	26				680								1440
RDA80012			12	26	38				1,360								1776
RDA10002	1000	75	2	16	18	50.27	227	8,810	354	21	15	17	---	---	---	---	1558
RDA10006			6	20	26				1,071								2058
RDA100012			12	27	39				2,142								2808

300 to 1,000 Ton double-acting cylinders retract relief pressure is set at 5,000 psi.

CUSTOM STROKES, BASE & COLLAR MOUNTINGS AND CAPACITIES UP TO 1,500 TONS AVAILABLE, CONTACT FACTORY