

LOAD RETURN - 30-1000 TON


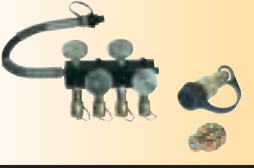
CYLINDERS

Simplex Cylinders Provided The Power & Reliability To Rearrange Our Shop Floor In One Day.



The problem was to reposition machine centers without disrupting production. "Using Simplex RLR Series cylinders and a 70 Series **Suc-O-Matic** pump, we rearranged our shop floor in one day." The low closed height and longer strokes eliminated extra jacking & blocking procedures, and the Simplex Suc-O-Matic valve retracted load return cylinders effortlessly.

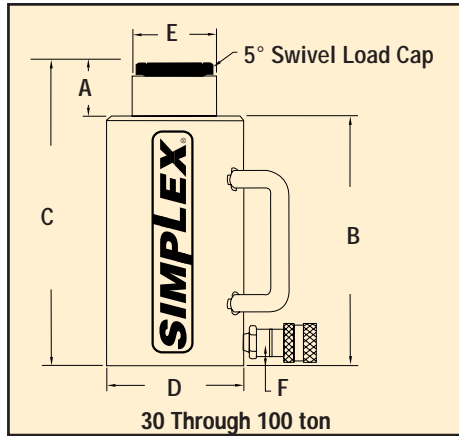
- 31 Models
- Rated for full duty.
- High flow couplers.
- Low closed heights.
- Plated pistons to resist scoring & corrosion.
- Stop rings for piston blow-out protection.
- Large bearings resist side load.
- Available in custom strokes & capacities.
- Rod wiper protects inner cylinder from dirt.
- Domed pistons on 150 to 1,000 ton capacities help resist side load.
- 5° Swivel on 30 to 100 ton capacity load caps for side load protection.
- Exceeds ANSI/ASME B30.1 safety standards.
- Optional swivel load caps are available for 150 through 1,000 ton models.
- Removable swivel lifting eyes on 100 through 1,000 ton models.

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

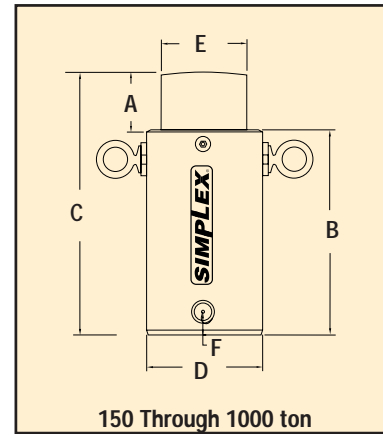


When railcar bulk heads need straightening, a 150 ton Simplex cylinder used with a SUC-O-MATIC™ power pump can save the day. Simplex load return cylinders completely retract in any position when used with the Simplex SUC-O-MATIC™ power pumps.





Note: 100 ton models have removable lifting eye bolts in lieu of carrying handles.



Note: Swivel eye bolts are removable.

Load Return Jacking Cylinders 30 Through 1000 Ton Capacities

Model Number	Cap. (tons)	A Stroke (in)	B Min. Ht. (in)	C Ext. Ht. (in)	Ram Bore Dia. (in)	Effect Area (sq in)	Pres. @ Cap. (psi)	Oil Cap. Req'd (cu in)	D Body O.D. (in)	E Piston O.D. (in)	F Base To Port C/L (in)	Weight (lbs)	Suggested Power Pump
RLR306	30	6	9 3/8	15 3/8	2 7/8	6.49	9,240	38.9	4	2	3/4	32.0	Simplex Suc-O-Matic™ equipped Power Pumps are highly recommended to power load return cylinders. Unlike any other power unit, Simplex Suc-O-Matic™ equipped Pumps will fully retract load return cylinders automatically.
RLR502		2	5 7/16	7 7/16				22.1				30.0	
RLR506	50	6	9 7/16	15 7/16	3 3/4	11.05	9,054	66.3	5	3	25/32	55.0	
RLR5010		10	13 7/16	23 7/16				133.0				92.0	
RLR1002		2	6 9/16	8 9/16				40.0				60.0	
RLR1006	100	6	10 9/16	16 9/16	5	19.63	10,200	118.0	6 3/8	3 3/8	1 1/4	90.0	
RLR10010		10	14 9/16	24 9/16				196.0				126.0	
RLR1502		2	7	9				66.4				117.0	
RLR1506	150	6	11	17	6 1/4	30.68	9,778	199.0	9	5 9/16	1 15/16	189.0	
RLR15012		12	17	29				398.0				297.0	
RLR2002		2	8	10				88.4				184.0	
RLR2006	200	6	12	18	7 1/4	41.28	9,054	265.0	10	6 9/16	2 1/16	282.0	
RLR20012		12	18	30				530.0				429.0	
RLR3002		2	11 3/4	13 3/4				120.0				277.0	
RLR3006	300	6	13 3/4	19 3/4	8 3/4	60.13	9,978	361.0	12	7 13/16	2 7/16	405.0	
RLR30012		12	19 3/4	31 3/4				722.0				597.0	
RLR4002		2	11 13/16	11 13/16				174.0				455.0	
RLR4006	400	6	15 13/16	21 13/16	10 1/2	86.59	9,238	520.0	14	6 9/16	3	612.0	
RLR40012		12	21 13/16	33 13/16				1040.0				842.0	
RLR5002		2	12 5/8	14 5/8				208.0				627.0	
RLR5006	500	6	16 5/8	22 5/8	11 1/2	103.87	9,628	623.0	16	10 5/16	3 3/16	855.0	
RLR50012		12	22 5/8	34 5/8				1246.0				1197.0	
RLR6002		2	13 1/2	15 1/2				246.0				655.0	
RLR6006	600	6	17 1/2	23 1/2	12 1/2	122.71	9,778	738.0	17 1/2	11 5/16	3 1/2	902.0	
RLR60012		12	23 1/2	35 1/2				1476.0				1273.0	
RLR8002		2	14 7/16	16 7/16				330.0				997.0	
RLR8006	800	6	18 7/16	24 7/16	14 1/2	165.13	9,690	991.0	18	13 5/16	4 1/8	1256.0	
RLR80012		12	24 7/16	36 7/16				1982.0				1644.0	
RLR10002		2	16 1/8	18 1/8				402.0				1523.0	
RLR10006	1000	6	20 1/8	26 1/8	16	201.06	9,950	1206.0	21	14 15/16	4 1/4	1883.0	
RLR100012		12	26 1/8	38 1/8				2412.0				2423.0	

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For more information on the Suc-O-Matic™ feature see page 64.

CUSTOM STROKES AND CAPACITIES UP TO 1,500 TONS AVAILABLE, CONTACT FACTORY