

Locking Collar

CYLINDER RL SERIES- ALUMINUM

55 & 100 Ton
Single-Acting,
Spring-Return

Positive mechanical lock to support load.

- Support lifted load for extended periods of time with hydraulic pressure released.
- At half the weight of steel cylinders of comparable capacity, aluminum cylinders are ideal when portability is a key factor.
- Feature carrying handle.



RA1006L

ASME B30.1
700 bar

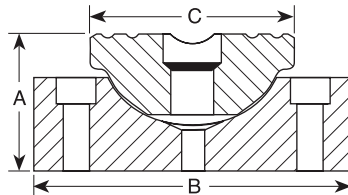
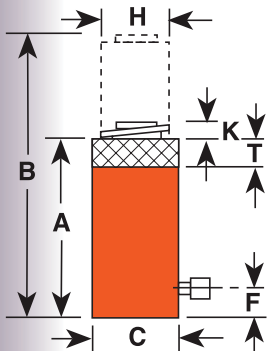
CYLINDERS



Locking collar feature permits non-hydraulic support of load.



RA556L



SWIVEL CAPS reduce the effects of off center loading. Tilts up to 5°. (Available as optional)

Tonnage	Swivel Cap Order No.	Wt. (kg.)	A (mm)	B (mm)	C (mm)
55	Q99-1000	0,9	31,8	63,2	71,4

Cyl. Cap. (tons)	Stroke (mm)	Order No.	Oil Cap. (cm ³)	A	B	C	F	H	K	T	Cylinder Effective Area (cm ²)	Metric Tons at 700 bar	Weight (kg)
				Retracted Ht. (mm)	Extended Ht. (mm)	Outside Dia. (mm)	Base to Port (mm)	Piston Rod Dia. (mm)	Piston Rod Protrusion (mm)	Nut Thickness (mm)			
55	155,5	RA556L	1.109	317,5	473,1	133,4	34,9	82,6	12,7	38,1	71,2	50,1	13,4
100	158,8	RA1006L	2.116	339,7	498,5	187,3	30,2	114,3	6,4	38,1	133,0	93,5	29,1

Note: Supported loads not to exceed the rated capacity of the cylinders. Not intended to support additional dynamic loads, such as those applied by moving vehicles.



R15010L
ASME B30.1
700 bar

- Support lifted load for extended periods of time with hydraulic pressure released.
- Visible indicator band alerts when stroke limit is reached; overflow port (“weep hole”) stroke limiter prevents piston from being overextended.
- All cylinders feature coated pistons to resist corrosion and abrasion.



Locking collar feature permits non-hydraulic support of load.

Locking Collar

CYLINDER RL SERIES— STEEL

55-565 Ton Single-Acting Load-Return

Positive mechanical lock to support load.

CYLINDERS

Cyl. Cap. (tons)	Stroke (mm)	Order No.	Oil Cap. (cm ³)	A	B	C	F	H	K	T	Bore Dia. (mm)	Cylinder Effective Area (cm ²)	Metric Tons at 700 bar	Weight (kg)
				Retracted Ht. (mm)	Extended Ht. (mm)	Outside Dia. (mm)	Base to Port (mm)	Piston Rod Dia. (mm)	Piston Rod Protrusion (mm)	Nut Thickness (mm)				
55	50,8	R552L	362	161,9	212,7	125,4	25,4	95,3	3,2	36,5	95,3	71,2	50,1	15,3
55	152,4	R556L	1.087	263,5	415,9	125,4	25,4	95,3	3,2	36,5	95,3	71,2	50,1	26,3
55	254,0	R5510L	1.811	365,1	619,1	125,4	25,4	95,3	3,2	36,5	95,3	71,2	50,1	36,3
100	50,8	R1002L	677	184,2	235,0	165,1	25,4	130,2	3,2	44,5	130,2	133,1	93,4	30,0
100	152,4	R1006L	2.030	285,8	438,2	165,1	25,4	130,2	3,2	44,5	130,2	133,1	93,4	46,8
100	254,0	R10010L	3.383	387,4	641,4	165,1	25,4	130,2	3,2	44,5	130,2	133,1	93,4	64,5
150	50,8	R1502L	1.007	206,4	257,2	204,8	31,8	158,8	3,2	44,5	158,8	197,9	139,1	53,0
150	152,4	R1506L	3.019	308,0	460,4	204,8	31,8	158,8	3,2	44,5	158,8	197,9	139,1	80,4
200	50,8	R2002L	1.355	241,3	292,1	235,0	41,3	184,2	3,2	50,8	184,2	266,3	187,2	83,1
200	152,4	R2006L	4.062	342,9	495,3	235,0	41,3	184,2	3,2	50,8	184,2	266,3	187,2	117,6
280	50,8	R2802L	1.861	247,7	298,5	276,2	41,3	215,9	3,2	57,2	215,9	366,0	257,3	118,5
280	152,4	R2806L	5.583	349,3	501,7	276,2	41,3	215,9	3,2	57,2	215,9	366,0	257,3	163,0
280	254,0	R28010L	9.305	450,9	704,9	276,2	41,3	215,9	3,2	57,2	215,9	366,0	257,3	208,1
355	50,8	R3552L	2.326	292,1	342,9	298,5	54,0	241,3	3,2	60,3	214,3	457,2	321,4	173,0
355	152,4	R3556L	6.975	393,7	546,1	298,5	54,0	241,3	3,2	60,3	241,3	457,2	321,4	232,5
430	50,8	R4302L	2.841	333,4	384,2	330,2	63,5	266,7	3,2	69,9	266,7	558,5	392,7	252,4
430	152,4	R4306L	8.520	435,0	587,4	330,2	63,5	266,7	3,2	69,9	266,7	558,5	392,7	329,2
430	254,0	R43010L	14.201	536,6	790,6	330,2	63,5	266,7	3,2	69,9	266,7	558,5	392,7	405,9
565	50,8	R5652L	3.710	371,2	422,3	377,8	69,9	304,8	3,2	79,4	304,8	729,5	512,9	368,2
565	152,4	R5656L	11.129	473,1	625,5	377,8	69,9	304,8	3,2	79,4	304,8	729,5	512,9	468,0
565	254,0	R56510L	18.548	574,7	828,7	377,8	69,9	304,8	3,2	79,4	304,8	729,5	512,9	568,0

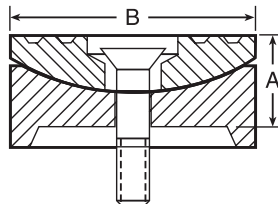
•NOTE: Supported loads not to exceed the rated capacity of the cylinders. Not intended to support additional dynamic loads, as those applied by moving vehicles.

Base Mounting Holes (Optional)

Available on request: Up to 1140 tons capacity and Strokes: 101.6 mm, 203.2 mm & 304.8 mm

SWIVEL CAPS (Optional) For use with “R _ _ _ L” cylinders

Use with Cyl. No.	Swivel Cap Order No.	Weight (kg)	A (mm)	B (mm)
55-100 ton	420866	0,8	25,4	71,4
150-200 ton	420867	4,0	38,1	130,2
280 ton	420868	6,1	44,5	149,2
355 ton	420869	16,8	69,9	195,3
430 ton	420870	23,6	79,4	225,4
565 ton	420871	35,4	92,1	250,8



Reduce the effects of off center loading. Tilts up to 5 degrees. Radial grooves on top of cap reduce load slippage.

