

SILVER LITE

**LIGHTWEIGHT ALUMINUM
HYDRAULIC EQUIPMENT**





**RAS-SERIES
SPRING RETURN ALUMINUM CYLINDERS
30 THROUGH 150 TONS
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**RAL-SERIES
SPRING RETURN LOCKNUT ALUMINUM
CYLINDERS
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**RAC & RACD-SERIES
CENTER HOLE ALUMINUM CYLINDERS
30 & 60 SINGLE ACTING SPRING RETURN
30 THROUGH 150 TON DOUBLE ACTING
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**P-SERIES
ALUMINUM HAND PUMPS
491.7 cu. cm & 1147.3 cu.cm CAPACITY
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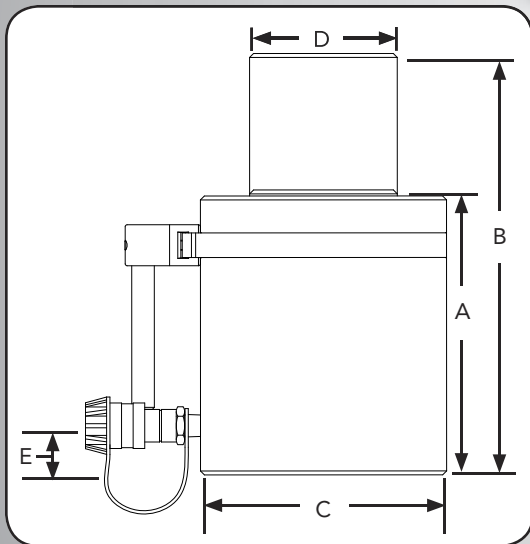
**STL-SERIES
PUMP & CYLINDER SETS
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30 - 150 TON ALUMINUM CYLINDERS

RAS SERIES



Up to 60%
Lighter Than
Steel Cylinders.

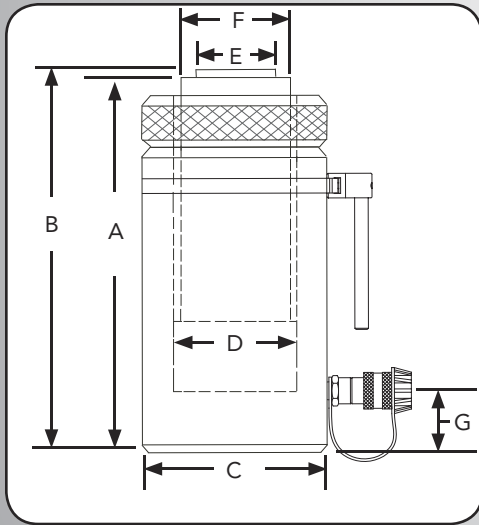


- 13 standard models from 30 through 150 tons.
- Heavy duty spring for fast & full retraction.
- Large bearing surfaces for side load protection.
- Carrying handles standard on all models.
- Hard anodized coating reduces wear & corrosion.
- Stop rings for piston blow-out protection.
- Rod wiper protects inner cylinder from dirt.
- High flow quality couplers.
- Complies with ANSI/ASME B30.1 safety standards.

Aluminum Spring Return Cylinders 30 Through 150 Ton Capacities											
Model Number	Cap. (tons)	Stroke (mm)	A Min. Ht. (mm)	B Ext. Ht. (mm)	Effect Area (sq. cm)	Oil Cap. Req'd (cu. cm)	C Body O.D. (mm)	D Piston O.D. (mm)	E Base to Port C/L (mm)	Wgt. (Kg)	Suggstd. Hand Pump
RAS302B	30	50.8	165.1	215.9	41.9	213.1	114.3	36.5	38.1	6.4	P42/P72
RAS306B		152.4	266.7	419.1		639.2				8.2	P72/P82
RAS502B	50	50.8	165.1	215.9	71	362.2	139.7	79.4		5.9	P72/P82
RAS504B		104.6	215.9	317.5		724.4				7.7	P72/P82
RAS506B		152.4	266.7	419.1		1085				12.7	P140
RAS5010B		254	368.3	622.3		1809.5				16.4	*
RAS1002B		100	50.8	165.1		215.9				133.6	675.3
RAS1004B	104.6		215.9	317.5	1366.4	20.5	P140				
RAS1006B	152.4		266.7	419.1	2027.4	22.7	*				
RAS10010B	254		368.3	622.3	3376.3	30.9	*				
RAS1502B	150	50.8	165.1	215.9	198.1	1006.3	254	132.8	26.4	P140	
RAS1506B		152.4	266.7	419.1		3017.4			39.1	*	
RAS15010B		254	368.3	622.3		5028.5			50	*	

* Power pumps are suggested for these units.

Up to 60%
Lighter Than
Steel Cylinders.



- 11 standard models from 50 through 150 tons.
- Locknuts for extended load holding.
- Large bearing surfaces for side load protection.
- Hard anodized coating reduces wear & corrosion.
- Carrying handles standard on all models.
- Rod wiper protects inner cylinder from dirt.
- Stop rings for piston blow-out protection.
- Heavy duty spring for fast & full retraction.
- High flow quality couplers.
- Complies with ANSI/ASME B30.1 safety standards.

Aluminum Spring Return Locknut Cylinders 50 Through 150 Ton Capacities

Model Number	Cap. (tons)	Stroke (mm)	A Min. Ht. (mm)	B Ext. Ht. (mm)	Effect Area (sq. cm)	Oil Cap. Req'd (cu cm)	C Body O.D. (mm)	D Cyl. Bore Dia. (mm)	E Saddle Dia. (mm)	F Piston O.D. (mm)	G Base to Port C/L (mm)	Wgt. (Kg)	Suggstd. Hand Pump
RAL502	50	50.8	206.4	257.2	71.2	354.8	139.7	95.3	63.5	79.4	38.1	10	P42/P72
RAL504		101.6	257.2	358.8		709.7						17.3	P72/P82
RAL506		152.4	308	460.4		1064						14.5	P72/P82
RAL5010		254	409.6	663.6		1773.4						18.2	P140
RAL1002	100	50.8	212.7	263.5	133.4	664	203.3	130.2	88.9	107.9	38.1	20.5	P72/P82
RAL1004		101.6	263.5	365.1		1327.4						25	P82
RAL1006		152.4	314.3	466.7		1991.4						29.1	P140
RAL10010		254	415.9	669.9		3319						37.3	*
RAL1502	150	50.8	212.7	263.5	197.9	983.4	254	158.8	114.3	127	38.1	29.5	P140
RAL1506		152.4	314.3	466.7		2979.7						45.9	*
RAL15010		254	415.9	669.9		4966.2						70.9	*

* Power pumps are suggested for these units.

CENTER HOLE ALUMINUM CYLINDER

RAC & RACD SERIES

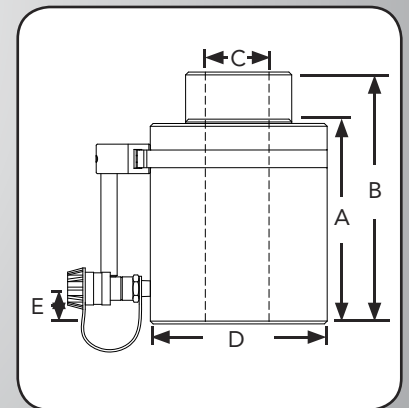
**Up to 60%
Lighter Than
Steel Cylinders.**



- 4 standard single-acting models in 30 and 60 tons.
- 14 standard double-acting models in 30 thru 150 tons.
- Chrome plated center sleeve for extra protection against wear & corrosion.
- Heavy duty spring for fast & full retraction.
- Hard anodized coating reduces wear & corrosion.
- Carrying handles standard on all models.
- Steel base & piston for protection against load damage.
- Large bearing surfaces for side load protection.
- Rod wiper protects inner cylinder from dirt.
- Complies with ANSI/ASME B30.1 safety standards.

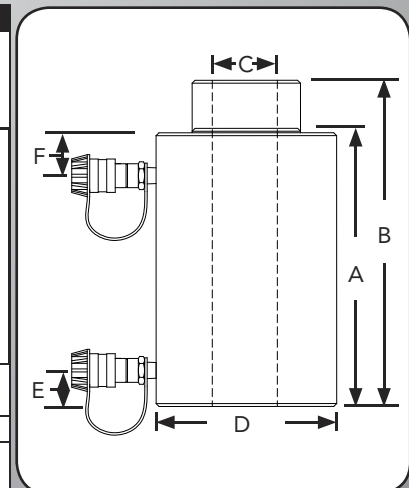
Aluminum Spring Return Single Acting Center Hole Cylinders 30 & 60 Ton Capacities

Model Number	Cap. (tons)	Stroke (mm)	A Min. Ht. (mm)	B Ext. Ht. (mm)	C Center Hole Dia. (mm)	Effect Area (sq. cm)	Oil Cap. Req'd (cu cm)		D Body O.D. (mm)	E Base to Port C/L (mm)	Wgt. (Kg)	Suggstd. Hand Pump
							Push	Pull				
RAC303	30	76.2	222.3	298.4	30.2	46.5	360.6	721.2	90.1	16.4	10	P42/P72
RAC306		152.4	298.4	450.8			13.6				P72/P82	
RAC603	60	76.2	257.2	333.4	54	79.4	606.4	1212.9	190.5	16.4	19.1	P72/P82
RAC606		152.4	336.5	488.9			25				P140	



Aluminum Double Acting Center Hole Cylinders 30 & 150 Ton Capacities

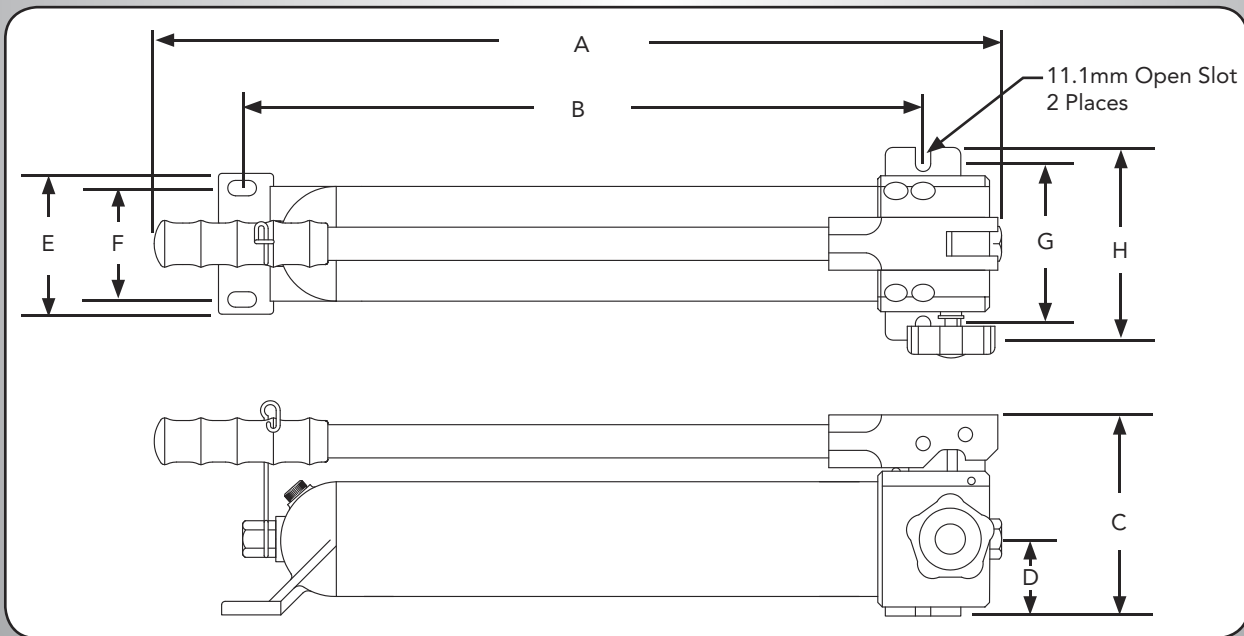
Model Number	Cap. (tons)	Stroke (mm)	A Min. Ht. (mm)	B Ext. Ht. (mm)	C Center Hole Dia. (mm)	Effect Area		Oil Cap. Req'd		D Body O.D. (mm)	E Base to Port C/L (mm)	F Collar to Port C/L (mm)	Wgt. (Kg)	Suggstd. Hand Pump
						Push (sq. cm)	Pull (sq. cm)	Push (cu. cm)	Pull (cu. cm)					
RACD302	30	50.8	177.8	228.6	38.1	41	21	235	106.5	127	44.4	44.4	9.1	P140D
RACD306		152.4	279.4	431.8				705.1	319.6				12.7	
RACD3010		254	381	635				1175.2	532.7				15.9	
RACD502	50	50.8	177.8	228.6	54	66.5	22.1	355.8	112.4	203.2	44.4	44.4	15	P140D
RACD504		101.6	228.6	330.2				712	224.9				18.6	
RACD506		152.4	279.4	431.8				1068	337.3				22.3	
RACD5010		254	381	635				1780	562.2				29.5	
RACD1002	100	50.8	254	304.8	88.9	130.8	50.3	680.5	255.7	279.4	63.5	63.5	38.6	P140D
RACD1004		101.6	304.8	406.4				1361	511.4				42.3	
RACD1006		152.4	355.6	508				2041.5	767.1				46.4	
RACD10010		254	457.2	711.2				3386.2	1278.4				60	*
RACD1502	150	50.8	254	304.8	88.9	203	58.1	1004.1	294.4	304.8	63.5	63.5	49.5	P140D
RACD1506		152.4	355.6	508				3011.3	884.7				60	
RACD15010		254	457.2	711.2				5020.3	1472.1				70.9	



* Power pumps are suggested for these units.



- 5 standard models in 491.7 and 1147.3 cu. cm reservoirs.
- Weighing just 4.1 Kg with a full 1147.3 cu. cm of usable oil gives the P71 & P72 the highest available capacity at the least amount of weight.
- P30 is ideal for low pressure application when a small light weight pump is required.
- Carrying handles standard on all models.
- 25% faster per stroke than comparable pumps equals less work for the operator.
- Low handle efforts means less strain for the operator.
- All alloy construction resists corrosion.
- All Silver Lite pumps stand up to heat, welding sparks, and other harsh environments.
- Complies with ANSI/ASME B30.1 safety standards.



Light Weight Aluminum Hand Pumps for Single-Acting Cylinders & Tools

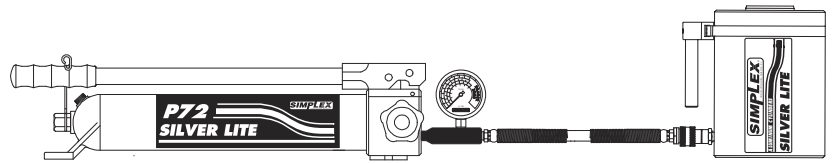
Model Number	Speed	Pressure Rating (Bar)		Oil Volume Per Stroke (cu. cm)		Usable Oil Capacity (cu. cm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	Weight (Kg)
		1st Stage	2nd Stage	1st Stage	2nd Stage										
P30	2	13.8	207	14.9	3.1	491.7	418.1	300							3.6
P32		13.8	700	7.05	.98										
P71	1	700		2.29		1147.3	611.9	493.8	141	50.8	140	108	115.8	139.7	4.1
P71V*															
P72	2	13.8	700	14.9	3.1										

SILVER LITE HAND PUMP & CYLINDER SETS



- Maximum versatility with a wide variety of cylinders.
- Optimal performance is provided with matched hand pump & cylinders.
- Use cylinders in upright, inverted or horizontal position.
- Maximum control & safety is provided with the pressure gauge included.
- Heavy duty spring for fast & full cylinder retraction.
- High flow quality couplers.
- Complies with ANSI/ASME B30.1 safety standards.

PUMP & CYLINDER CONFIGURATION



Aluminum Spring Return Single Acting Sets								
Model Number	Cap. (tons)	Stroke (mm)	Closed Height (mm)	Cylinder Model	Pump Model	Hose Model	Gauge Model	Gauge Adapter
STL302	30	50.8	165.1	RAS302B	P72	HC6	G5	GA1
STL306		152.4	266.7	RAS306B				
STL502	50	50.8	165.1	RAS502B				
STL504		101.6	215.9	RAS504B				
STL1002	100	50.8	165.1	RAS1002B				

Aluminum Spring Return Single Acting Center Hole Sets									
Model Number	Cap. (tons)	Stroke (in)	Closed Height (in)	Center Hole Dia. (in)	Cylinder Model	Pump Model	Hose Model	Gauge Model	Gauge Adapter
STL303HC	30	76.2	222.3	19.5	RAC306	P72	HC6	G5	GA1
STL306HC		152.4	298.4		RAC306				
STL603HC	60	76.2	257.2	34.8	RAC603				

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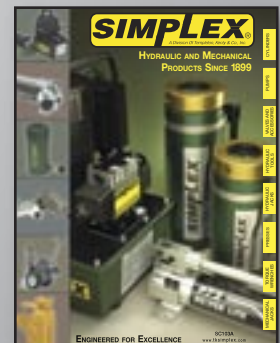


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