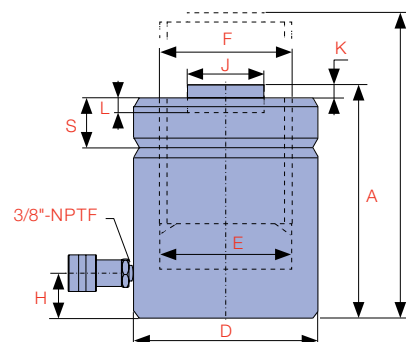




THE **ARSLC-SERIES** IS A SINGLE ACTING SPRING RETURN LOCKING COLLAR ALUMINIUM CYLINDER THAT IS IDEAL FOR USE IN APPLICATIONS WHERE WEIGHT AND PORTABILITY ARE PARAMOUNT.

The design features a threaded piston rod and lock ring. When the lock ring is screwed down and engaged with the cylinder body, the load can be held mechanically for extended periods. These cylinders are ideally suited to applications requiring safe extended load holding. All ARSLC-Series cylinders feature anodised treatment on piston rod and lock ring to resist corrosion and abrasion. Hardened removable saddles are standard and ATS tilt saddles are optional.



Model Number	Cylinder Capacity ton* / kN	Stroke (mm)	Cylinder Effective Area (cm ²)	Oil Capacity (cm ³)	A Collapsed Height (mm)	B Extended Height (mm)	D Outside Diameter (mm)	E Cylinder Bore Diameter (mm)	F Piston Rod Diameter (mm)	
ARSLC-302	30	294	51	41.94	213	197	248	114	73	63.5
ARSLC-304		294	102	41.94	426	248	349	114	73	63.5
ARSLC-306		294	152	41.94	639	299	451	114	73	63.5
ARSLC-308		294	203	41.94	852	350	552	114	73	63.5
ARSLC-3010		294	254	41.94	1,065	401	654	114	73	63.5
ARSLC-502	50	499	51	71.23	355	207	257	140	95	79.4
ARSLC-504		499	102	71.23	710	258	359	140	95	79.4
ARSLC-506		499	152	71.23	1,064	308	460	140	95	79.4
ARSLC-508		499	203	71.23	1,418	359	562	140	95	79.4
ARSLC-5010		499	254	71.23	1,773	410	664	140	95	79.4
ARSLC-1002	100	934	51	133.42	664	213	264	203	130	108.0
ARSLC-1004		934	102	133.42	1,327	264	365	203	130	108.0
ARSLC-1006		934	152	133.42	1,991	315	467	203	130	108.0
ARSLC-1008		934	203	133.42	2,655	366	568	203	130	108.0
ARSLC-10010		934	254	133.42	3,318	416	670	203	130	108.0
ARSLC-1502	150	1,386	51	197.94	993	213	264	254	159	127.0
ARSLC-1504		1,386	102	197.94	1,986	264	365	254	159	127.0
ARSLC-1506		1,386	152	197.94	2,979	315	467	254	159	127.0
ARSLC-1508		1,386	203	197.94	3,972	366	568	254	159	127.0
ARSLC-15010		1,386	254	197.94	4,965	416	670	254	159	127.0

* Nominal Cylinder Capacity in ton - see kN values for actual capacity

LOCK RING

holds the load mechanically and is treated with yellow chromate

PISTON ROD

has a special anodising treatment to resist damage

HANDLE

is threaded and removable

ANODISED FINISH

enhances appearance and reduces corrosion

BEARING SURFACE

large area with balancing and lubricating grooves for protection against side loading

HARDENED STEEL GROOVED SADDLE

to prevent piston rod damage. Optional tilt saddles available

GLAND NUT

aluminium/bronze withstands full dead end loading

LIGHTWEIGHT

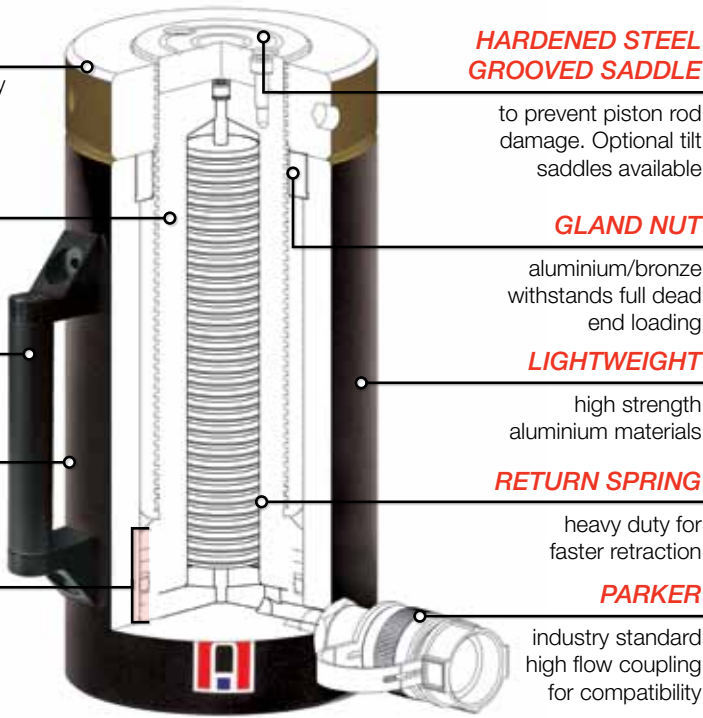
high strength aluminium materials

RETURN SPRING

heavy duty for faster retraction

PARKER

industry standard high flow coupling for compatibility



CAPACITY

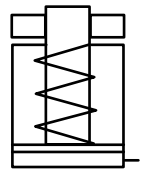
30 - 150 ton

STROKE

51 - 254 mm

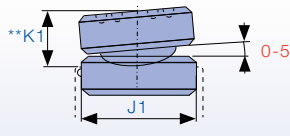
MAXIMUM OPERATING PRESSURE

700 bar



B

CYLINDERS



H Base to Advance Port (mm)	J Standard Saddle Diameter (mm)	K Saddle Protrusion from Piston Rod (mm)	L Depth of Piston Rod Hole (mm)	S Lock Nut Height (mm)	Optional Tilt Saddle			Weight (kg)
					Model Number	J1 Diameter (mm)	**K1 Depth (mm)	
38	51	3	10	32	-	-	-	6.8
38	51	3	10	32	-	-	-	8.2
38	51	3	10	32	-	-	-	9.5
38	51	3	10	32	-	-	-	10.9
38	51	3	10	32	-	-	-	12.2
38	64	3	10	38	ATS-50	60	30	9.5
38	64	3	10	38	ATS-50	60	30	11.8
38	64	3	10	38	ATS-50	60	30	13.2
38	64	3	10	38	ATS-50	60	30	15.4
38	64	3	10	38	ATS-50	60	30	17.2
38	89	3	10	44	ATS-100	82	30	19.5
38	89	3	10	44	ATS-100	82	30	23.1
38	89	3	10	44	ATS-100	82	30	27.2
38	89	3	10	44	ATS-100	82	30	31.3
38	89	3	10	44	ATS-100	82	30	34.9
38	114	3	10	44	ATS-150	108	46	29.9
38	114	3	10	44	ATS-150	108	46	35.8
38	114	3	10	44	ATS-150	108	46	41.7
38	114	3	10	44	ATS-150	108	46	48.1
38	114	3	10	44	ATS-150	108	46	55.8

** Total cylinder collapsed height with optional tilt saddle equals (dim.A - dim.K + dim.K1)

Did you know...

RPLC-Series pancake locking collar cylinders are perfect for applications that require sustained load holding in a compact low height package 60-500 ton.



Caution...

Lightweight **aluminium cylinders** are **not** designed for production applications. Refer to Durapac for information relating to high cycle applications.