

SINGLE ACTING HIGH TONNAGE LOCKING COLLAR CYLINDERS

THE **RSLC-SERIES** IS A SINGLE ACTING LOAD RETURN HIGH TONNAGE LOCKING COLLAR CYLINDER.

It is a design that 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 bridge construction and maintenance and jacking applications requiring safe extended load holding. All RSLC-Series cylinders feature a hard chrome bore for maximum corrosion resistance and a special coating on the piston rod and lock ring to resist corrosion and abrasion. Hardened removable load caps are standard and TSX tilt saddles are optional. An oil overflow port which restricts piston stroke is standard on all models. Durapac can also offer RDLC-Series double acting locking collar cylinders where oil retraction is preferred.



Model Number	Cylinder Capacity ton* / kN		Stroke (mm)	Cylinder Effective Area (cm²)	Oil Capacity (cm³)	A Collapsed Height (mm)	B Extended Height (mm)	D Outside Diameter (mm)	E Cylinder Bore Diameter (mm)	F Piston Rod Diameter (mm)**
RSLC-502	50	496	50	70.9	355	164	214	125	95.0	TR95 x 4
RSLC-504		496	100	70.9	709	214	314	125	95.0	TR95 x 4
RSLC-506		496	150	70.9	1,064	264	414	125	95.0	TR95 x 4
RSLC-508		496	200	70.9	1,418	314	514	125	95.0	TR95 x 4
RSLC-5010		496	250	70.9	1,773	364	614	125	95.0	TR95 x 4
RSLC-5012		496	300	70.9	2,127	414	714	125	95.0	TR95 x 4
RSLC-1002	100	929	50	132.7	664	187	237	165	130.0	TR130 x 6
RSLC-1004		929	100	132.7	1,327	237	337	165	130.0	TR130 x 6
RSLC-1006		929	150	132.7	1,991	287	437	165	130.0	TR130 x 6
RSLC-1008		929	200	132.7	2,654	337	537	165	130.0	TR130 x 6
RSLC-10010		929	250	132.7	3,318	387	637	165	130.0	TR130 x 6
RSLC-10012		929	300	132.7	3,981	437	737	165	130.0	TR130 x 6
RSLC-1502	150	1,390	50	198.6	993	209	259	205	159.0	TR159 x 6
RSLC-1504		1,390	100	198.6	1,986	259	359	205	159.0	TR159 x 6
RSLC-1506		1,390	150	198.6	2,979	309	459	205	159.0	TR159 x 6
RSLC-1508		1,390	200	198.6	3,972	359	559	205	159.0	TR159 x 6
RSLC-15010		1,390	250	198.6	4,965	409	659	205	159.0	TR159 x 6
RSLC-15012		1,390	300	198.6	5,958	459	759	205	159.0	TR159 x 6

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

** TR is a metric trapezoidal thread

SINGLE ACTING HIGH TONNAGE LOCKING COLLAR CYLINDERS

LOW FRICTION COATING

on piston rod and lock nut enhances corrosion resistance

HARD CHROME PLATED BORE

for maximum corrosion resistance and cylinder life

POWDER COATED FINISH

enhances appearance and reduces corrosion

HARDENED GROOVED LOAD CAP

to prevent piston rod damage. Optional tilt saddles available

LOCK RING

holds load mechanically

OVERFLOW PORT

and warning mark on the piston rod ensures cylinder is not over extended. Optional gland nuts available

PARKER

industry standard high flow coupling for compatibility



CAPACITY RANGE

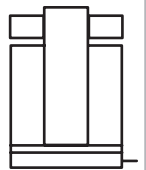
50 - 1,000 ton

STROKE RANGE

50 - 300 mm

MAXIMUM OPERATING PRESSURE

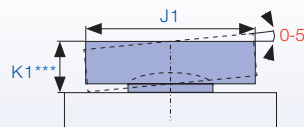
700 bar



HYDRAULIC CYLINDERS

i

Optional DURAJET for fast retraction of load return cylinders. Consult Durapac

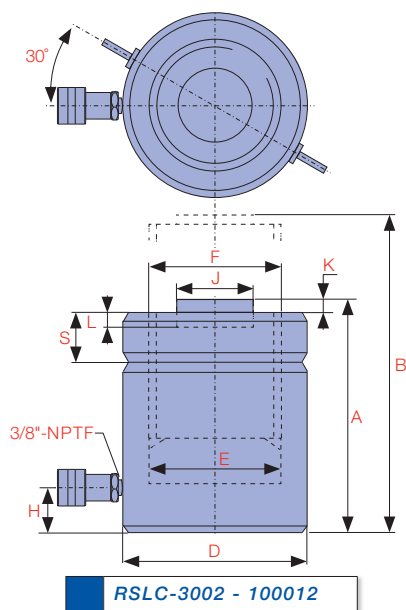


H Base to Advance Port (mm)	J Standard Load Cap Diameter (mm)	K Load Cap Protrusion from Piston Rod (mm)	L Depth of Piston Rod Hole (mm)	S Lock Ring Height (mm)	Weight (kg)	Optional Tilt Saddle			Model Number	Handle Type
						Model Number	J1 Diameter (mm)	K1*** Height (mm)		
30	71	2	13	36	15	TSX-100	71	24	RSLC-502	◆
30	71	2	13	36	20	TSX-100	71	24	RSLC-504	◆
30	71	2	13	36	25	TSX-100	71	24	RSLC-506	◆
30	71	2	13	36	30	TSX-100	71	24	RSLC-508	◆
30	71	2	13	36	35	TSX-100	71	24	RSLC-5010	◆
30	71	2	13	36	40	TSX-100	71	24	RSLC-5012	◆
30	71	2	13	44	30	TSX-100	71	24	RSLC-1002	◆
30	71	2	13	44	39	TSX-100	71	24	RSLC-1004	◆
30	71	2	13	44	48	TSX-100	71	24	RSLC-1006	◆
30	71	2	13	44	56	TSX-100	71	24	RSLC-1008	◆
30	71	2	13	44	64	TSX-100	71	24	RSLC-10010	◆
30	71	2	13	44	73	TSX-100	71	24	RSLC-10012	◆
39	130	2	25	44	53	TSX-200	130	20	RSLC-1502	◆
39	130	2	25	44	66	TSX-200	130	20	RSLC-1504	◆
39	130	2	25	44	78	TSX-200	130	20	RSLC-1506	◆
39	130	2	25	44	92	TSX-200	130	20	RSLC-1508	◆
39	130	2	25	44	104	TSX-200	130	20	RSLC-15010	◆
39	130	2	25	44	117	TSX-200	130	20	RSLC-15012	◆

HANDLE TYPE: ◆ EYEBOLT

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

SINGLE ACTING HIGH TONNAGE LOCKING COLLAR CYLINDERS



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



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)**
RSLC-2002	200	1,859	50	265.6	1,330	243	293	235	184.0	TR184 x 6
RSLC-2006		1,859	150	265.6	3,989	343	493	235	184.0	TR184 x 6
RSLC-20012		1,859	300	265.6	7,995	493	793	235	184.0	TR184 x 6
RSLC-2502	250	2,563	50	366.1	1,832	249	299	275	216.0	TR216 x 6
RSLC-2506		2,563	150	366.1	5,496	349	499	275	216.0	TR216 x 6
RSLC-25012		2,563	300	366.1	10,976	499	799	275	216.0	TR216 x 6
RSLC-3002	300	3,193	50	456.2	2,281	295	345	310	241.0	TR241 x 6
RSLC-3006		3,193	150	456.2	6,843	395	545	310	241.0	TR241 x 6
RSLC-30012		3,193	300	456.2	13,740	545	845	310	241.0	TR241 x 6
RSLC-4002	400	3,919	50	559.9	2,800	335	385	350	267.0	TR266 x 6
RSLC-4006		3,919	150	559.9	8,399	435	585	350	267.0	TR266 x 6
RSLC-40012		3,919	300	559.9	16,800	585	885	350	267.0	TR266 x 6
RSLC-5002	500	5,118	50	731.1	3,653	375	425	400	305.0	TR305 x 6
RSLC-5006		5,118	150	731.1	10,967	475	625	400	305.0	TR305 x 6
RSLC-50012		5,118	300	731.1	21,930	625	925	400	305.0	TR305 x 6
RSLC-6002	600	5,984	50	854.8	4,277	395	445	430	330.0	TR330 x 6
RSLC-6006		5,984	150	854.8	12,830	495	645	430	330.0	TR330 x 6
RSLC-60012		5,984	300	854.8	25,650	645	945	430	330.0	TR330 x 6
RSLC-8002	800	8,238	50	1176.9	5,882	455	505	505	387.0	TR387 x 6
RSLC-8006		8,238	150	1176.9	17,645	555	705	505	387.0	TR387 x 6
RSLC-80012		8,238	300	1176.9	35,370	705	1005	505	387.0	TR387 x 6
RSLC-10002	1000	10,265	50	1466.4	7,329	495	545	560	432.0	TR432 x 6
RSLC-10006		10,265	150	1466.4	21,986	595	745	560	432.0	TR432 x 6
RSLC-100012		10,265	300	1466.4	43,980	745	1045	560	432.0	TR432 x 6

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

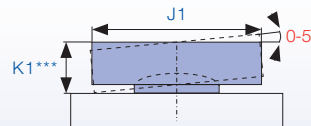
** TR is a metric trapezoidal thread

SINGLE ACTING HIGH TONNAGE LOCKING COLLAR CYLINDERS

Durapac offer a wide range of pump options:
electric / air / petrol / diesel / manual



Durapac offer a base attachment to suit the
RSLC-Series cylinders. Refer to Cylinder
Accessories for more details



H Base to Advance Port (mm)	J Standard Load Cap Diameter (mm)	K Load Cap Protrusion from Piston Rod (mm)	L Depth of Piston Rod Hole (mm)	S Lock Ring Height (mm)	Weight (kg)	Optional Tilt Saddle			Model Number	Handle Type
						Model Number	J1 Diameter (mm)	K1*** Height (mm)		
50	130	2	25	50	83	TSX-200	130	20	RSLC-2002	◆
50	130	2	25	50	117	TSX-200	130	20	RSLC-2006	◆
50	130	2	25	50	170	TSX-200	130	20	RSLC-20012	◆
50	150	2	25	56	116	TSX-250	150	21	RSLC-2502	◆
50	150	2	25	56	162	TSX-250	150	21	RSLC-2506	◆
50	150	2	25	56	234	TSX-250	150	21	RSLC-25012	◆
59	139	5	25	60	173	TSX-300	195	75	RSLC-3002	◆
59	139	5	25	60	233	TSX-300	195	75	RSLC-3006	◆
59	139	5	25	60	323	TSX-300	195	75	RSLC-30012	◆
70	159	5	25	70	250	TSX-400	225	85	RSLC-4002	◆
70	159	5	25	70	327	TSX-400	225	85	RSLC-4006	◆
70	159	5	25	70	441	TSX-400	225	85	RSLC-40012	◆
80	179	5	25	80	367	TSX-500	250	91	RSLC-5002	◆
80	179	5	25	80	466	TSX-500	250	91	RSLC-5006	◆
80	179	5	25	80	617	TSX-500	250	91	RSLC-50012	◆
85	194	5	25	85	446	TSX-600	275	96	RSLC-6002	◆
85	194	5	25	85	562	TSX-600	275	96	RSLC-6006	◆
85	194	5	25	85	737	TSX-600	275	96	RSLC-60012	◆
100	224	5	25	100	709	TSX-800	320	123	RSLC-8002	◆
100	224	5	25	100	870	TSX-800	320	123	RSLC-8006	◆
100	224	5	25	100	1,110	TSX-800	320	123	RSLC-80012	◆
110	249	5	25	110	949	TSX-1000	360	136	RSLC-10002	◆
110	249	5	25	110	1,141	TSX-1000	360	136	RSLC-10006	◆
110	249	5	25	110	1,430	TSX-1000	360	136	RSLC-100012	◆

HANDLE TYPE: ◆ EYEBOLT

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