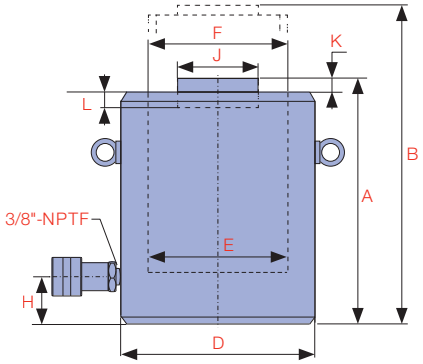
THE **RSH-SERIES** IS A SINGLE ACTING LOAD RETURN HIGH TONNAGE CYLINDER OFFERING THE LOWEST COLLAPSED HEIGHT.

They are ideally suited for use in civil construction, heavy jacking and other high load applications in confined spaces. These cylinders feature a hard chrome cylinder bore and piston rod for maximum corrosion resistance and bronze overlay piston bearing area to resist side load induced damage. A removable grooved load cap and oil overflow port which restricts piston stroke are standard on all models. TSX tilt saddles are optional. All cylinders in this range have side mounted eye bolts for lifting and positioning.



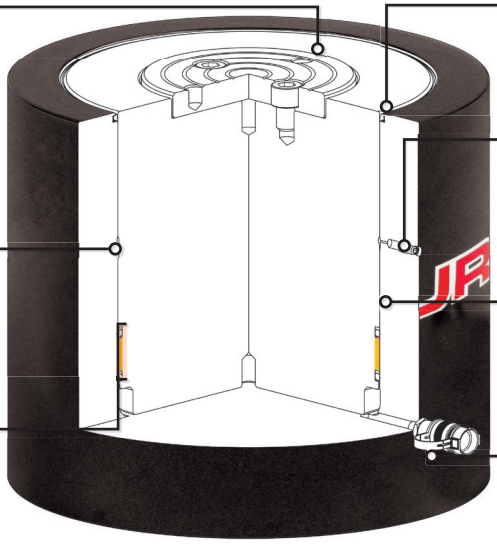
Model Number	Cylinder Capacity ton* / kN		Stroke (mm)	Cylinder Effective Area (cm^2)	Oil Capacity (cm^3)	A Collapsed Height (mm)	B Extended Height (mm)	D Outside Diameter (mm)	E Cylinder Bore Diameter (mm)	F Piston Rod Diameter (mm)
RSH-502	50	496	50	70.9	355	128	178	125	95.0	95.0
RSH-504		496	100	70.9	709	178	278	125	95.0	95.0
RSH-506		496	150	70.9	1,064	228	378	125	95.0	95.0
RSH-508		496	200	70.9	1,418	278	478	125	95.0	95.0
RSH-5010		496	250	70.9	1,773	327	577	125	95.0	95.0
RSH-5012		496	300	70.9	2,127	378	678	125	95.0	95.0
RSH-1002	100	929	50	132.7	664	143	193	165	130.0	130.0
RSH-1004		929	100	132.7	1,327	193	293	165	130.0	130.0
RSH-1006		929	150	132.7	1,991	243	393	165	130.0	130.0
RSH-1008		929	200	132.7	2,654	293	493	165	130.0	130.0
RSH-10010		929	250	132.7	3,318	343	593	165	130.0	130.0
RSH-10012		929	300	132.7	3,981	392	692	165	130.0	130.0
RSH-1502	150	1,390	50	198.6	993	165	215	205	159.0	159.0
RSH-1504		1,390	100	198.6	1,986	215	315	205	159.0	159.0
RSH-1506		1,390	150	198.6	2,979	265	415	205	159.0	159.0
RSH-1508		1,390	200	198.6	3,972	315	515	205	159.0	159.0
RSH-15010		1,390	250	198.6	4,965	365	615	205	159.0	159.0
RSH-15012		1,390	300	198.6	5,958	414	714	205	159.0	159.0

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

HARDENED GROOVED LOAD CAP
to prevent piston rod damage. Optional tilt saddles available

HARD CHROME PLATED PISTON ROD
for maximum corrosion resistance and cylinder life

BRONZE OVERLAY
on the piston bearing area reduces side load induced damage and extends cylinder life



PISTON ROD WIPER
reduces contaminants

OVERFLOW PORT
serves as a maximum stroke limiter

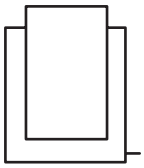
HARD CHROME PLATED BORE
for maximum corrosion resistance and cylinder life

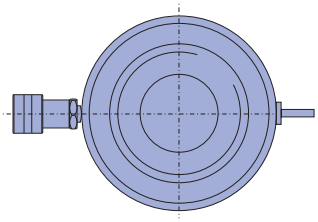
PARKER
industry standard high flow coupling for compatibility

CAPACITY RANGE
50 - 1,000 ton

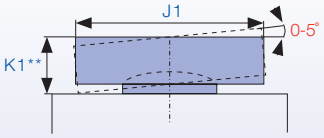
STROKE RANGE
50 - 300 mm

MAXIMUM OPERATING PRESSURE
700 bar



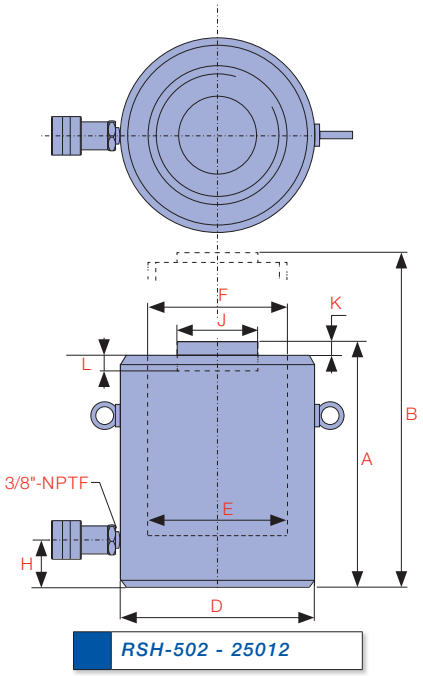


RSH-502 - 15012

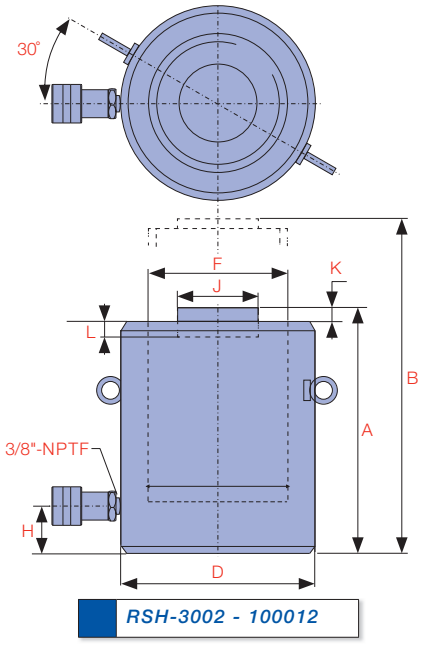


H Base to Advance Port (mm)	J Standard Load Cap Diameter (mm)	K Load Cap Protrusion from Piston Rod (mm)	L Depth of Piston Rod Hole (mm)	Weight (kg)	Optional Tilt Saddle			Model Number	Handle Type
					Model Number	J1 Diameter (mm)	K1** Height (mm)		
30	71	2	13	14	TSX-100	71	24	RSH-502	♦
30	71	2	13	18	TSX-100	71	24	RSH-504	♦
30	71	2	13	23	TSX-100	71	24	RSH-506	♦
30	71	2	13	28	TSX-100	71	24	RSH-508	♦
30	71	2	13	33	TSX-100	71	24	RSH-5010	♦
30	71	2	13	38	TSX-100	71	24	RSH-5012	♦
30	71	2	13	24	TSX-100	71	24	RSH-1002	♦
30	71	2	13	32	TSX-100	71	24	RSH-1004	♦
30	71	2	13	40	TSX-100	71	24	RSH-1006	♦
30	71	2	13	49	TSX-100	71	24	RSH-1008	♦
30	71	2	13	58	TSX-100	71	24	RSH-10010	♦
30	71	2	13	66	TSX-100	71	24	RSH-10012	♦
39	130	2	25	43	TSX-200	130	20	RSH-1502	♦
39	130	2	25	55	TSX-200	130	20	RSH-1504	♦
39	130	2	25	69	TSX-200	130	20	RSH-1506	♦
39	130	2	25	82	TSX-200	130	20	RSH-1508	♦
39	130	2	25	95	TSX-200	130	20	RSH-15010	♦
39	130	2	25	108	TSX-200	130	20	RSH-15012	♦

HANDLE TYPE: ♦ EYEBOLT
** Total cylinder collapsed height with optional tilt saddle equals (dim. A - dim. K + dim. K1)



RSH-502 - 25012

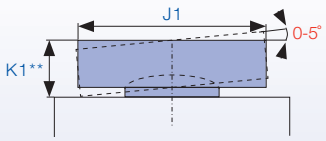


RSH-3002 - 100012

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)
RSH-2002	200	1,859	50	265.6	1,330	193	243	235	183.9	183.9
RSH-2006		1,859	150	265.6	3,989	293	443	235	183.9	183.9
RSH-20012		1,859	300	265.6	7,977	443	743	235	183.9	183.9
RSH-2502	250	2,563	50	366.1	1,832	193	243	275	215.9	215.9
RSH-2506		2,563	150	366.1	5,496	293	443	275	215.9	215.9
RSH-25012		2,563	300	366.1	10,996	443	743	275	215.9	215.9
RSH-3002	300	3,193	50	456.2	2,281	235	285	310	241.0	241.0
RSH-3006		3,193	150	456.2	6,843	335	485	310	241.0	241.0
RSH-30012		3,193	300	456.2	13,710	485	785	310	241.0	241.0
RSH-4002	400	3,919	50	559.9	2,800	265	315	350	267.0	267.0
RSH-4006		3,919	150	559.9	8,399	365	515	350	267.0	267.0
RSH-40012		3,919	300	559.9	16,770	515	815	350	267.0	267.0
RSH-5002	500	5,118	50	731.1	3,656	295	345	400	305.1	305.1
RSH-5006		5,118	150	731.1	10,967	395	545	400	305.1	305.1
RSH-50012		5,118	300	731.1	21,900	545	845	400	305.1	305.1
RSH-6002	600	5,984	50	854.8	4,277	310	360	430	329.9	329.9
RSH-6006		5,984	150	854.8	12,830	410	560	430	329.9	329.9
RSH-60012		5,984	300	854.8	25,710	560	860	430	329.9	329.9
RSH-8002	800	8,238	50	1,176.9	5,882	355	405	505	387.1	387.1
RSH-8006		8,238	150	1,176.9	17,645	455	605	505	387.1	387.1
RSH-80012		8,238	300	1,176.9	35,370	605	905	505	387.1	387.1
RSH-10002	1,000	10,265	50	1,466.4	7,329	385	435	560	432.1	432.1
RSH-10006		10,265	150	1,466.4	21,986	485	635	560	432.1	432.1
RSH-100012		10,265	300	1,466.4	43,950	635	935	560	432.1	432.1

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

RPLC-Series low height locking collar cylinders offer extremely low collapsed height and the ability to ***mechanically support a load***



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)	Weight (kg)	Optional Tilt Saddle			Model Number	Handle Type
					Model Number	J1 Diameter (mm)	K1** Height (mm)		
50	130	2	25	66	TSX-200	130	20	RSH-2002	♦
50	130	2	25	101	TSX-200	130	20	RSH-2006	♦
50	130	2	25	154	TSX-200	130	20	RSH-20012	♦
50	150	2	25	90	TSX-250	150	21	RSH-2502	♦
50	150	2	25	137	TSX-250	150	21	RSH-2506	♦
50	150	2	25	208	TSX-250	150	21	RSH-25012	♦
59	139	5	25	137	TSX-300	195	75	RSH-3002	♦
59	139	5	25	198	TSX-300	195	75	RSH-3006	♦
59	139	5	25	288	TSX-300	195	75	RSH-30012	♦
70	159	5	25	200	TSX-400	225	85	RSH-4002	♦
70	159	5	25	275	TSX-400	225	85	RSH-4006	♦
70	159	5	25	390	TSX-400	225	85	RSH-40012	♦
80	179	5	25	289	TSX-500	250	91	RSH-5002	♦
80	179	5	25	390	TSX-500	250	91	RSH-5006	♦
80	179	5	25	540	TSX-500	250	91	RSH-50012	♦
85	194	5	25	350	TSX-600	275	96	RSH-6002	♦
85	194	5	25	465	TSX-600	275	96	RSH-6006	♦
85	194	5	25	640	TSX-600	275	96	RSH-60012	♦
100	224	5	25	549	TSX-800	320	123	RSH-8002	♦
100	224	5	25	709	TSX-800	320	123	RSH-8006	♦
100	224	5	25	950	TSX-800	320	123	RSH-80012	♦
110	249	5	25	729	TSX-1000	360	136	RSH-10002	♦
110	249	5	25	921	TSX-1000	360	136	RSH-10006	♦
110	249	5	25	1,210	TSX-1000	360	136	RSH-100012	♦

HANDLE TYPE: ♦ EYEBOLT

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