

SINGLE ACTING HIGH TONNAGE CYLINDERS

HYDRAULIC CYLINDERS



RSHG-3006

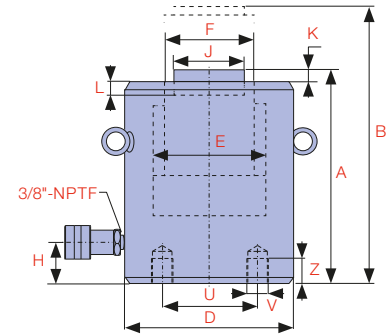


RSHG-2502

EXCEEDS
ANSI/ASME B30.1
SAFETY
STANDARDS

THE **RSHG-SERIES** IS A SINGLE ACTING LOAD RETURN HIGH TONNAGE CYLINDER RANGE UP TO 1,000 TON CAPACITY.

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. They are ideally suited for use in civil construction, heavy jacking and other high load applications. A built in stop ring ensures maximum performance and safety. Interchangeable hardened grooved load caps are standard and TSG tilt saddles are optional. All cylinders in this range have base mounting holes plus top and side mounted eye bolts for lifting and positioning.



RSHG-502 - 15012

Model Number	Cylinder Capacity ton* / max.	Stroke (in)	Cylinder Effective Area (in ²)	Oil Capacity (in ³)	A Collapsed Height (in)	B Extended Height (in)	D Outside Diameter (in)	E Cylinder Bore Diameter (in)	F Piston Rod Diameter (in)	H Base to Advance Port (in)
RSHG-502	50	61.0	1.97	11.94	23.49	6.38	8.35	5.12	3.90	2.05
RSHG-504		61.0	3.94	11.94	46.93	8.35	12.28	5.12	3.90	2.05
RSHG-506		61.0	5.91	11.94	70.42	10.31	16.22	5.12	3.90	2.05
RSHG-508		61.0	7.87	11.94	93.92	12.28	20.16	5.12	3.90	2.05
RSHG-5010		61.0	9.84	11.94	117.35	14.25	24.09	5.12	3.90	2.05
RSHG-5012		61.0	11.81	11.94	140.84	16.22	28.03	5.12	3.90	2.05
RSHG-1002	100	104.0	1.97	20.57	40.46	7.17	9.13	6.50	5.12	2.13
RSHG-1004		104.0	3.94	20.57	80.98	9.13	13.07	6.50	5.12	2.13
RSHG-1006		104.0	5.91	20.57	121.44	11.10	17.01	6.50	5.12	2.13
RSHG-1008		104.0	7.87	20.57	161.90	13.07	20.94	6.50	5.12	2.13
RSHG-10010		104.0	9.84	20.57	202.42	15.04	24.88	6.50	5.12	2.13
RSHG-10012		104.0	11.81	20.57	242.87	17.01	28.82	6.50	5.12	2.13
RSHG-1502	150	156.0	1.97	30.77	60.54	7.72	9.69	8.07	6.26	2.40
RSHG-1504		156.0	3.94	30.77	121.13	9.69	13.62	8.07	6.26	2.40
RSHG-1506		156.0	5.91	30.77	181.67	11.65	17.56	8.07	6.26	2.40
RSHG-1508		156.0	7.87	30.77	242.20	13.62	21.50	8.07	6.26	2.40
RSHG-15010		156.0	9.84	30.77	302.74	15.59	25.43	8.07	6.26	2.40
RSHG-15012		156.0	11.81	30.77	363.33	17.56	29.37	8.07	6.26	2.40

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

PISTON ROD WIPER

reduces contaminants

HARD CHROME PLATED BORE

for maximum corrosion resistance and cylinder life

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

BASE MOUNTING

holes on all models

HARDENED GROOVED LOAD CAP

to prevent piston rod damage. Optional tilt saddles available

STOP RING

withstands full dead end loading

POWDER COATED FINISH

enhances appearance and reduces corrosion

PARKER

industry standard high flow coupling for compatibility



CAPACITY RANGE

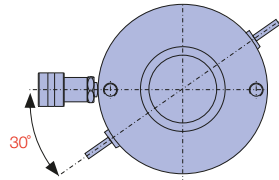
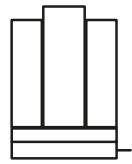
50 - 1,000 ton

STROKE RANGE

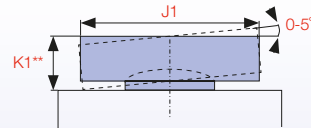
1.97 - 11.81 in

MAXIMUM OPERATING PRESSURE

10,150 psi



RSHG-502 - 15012



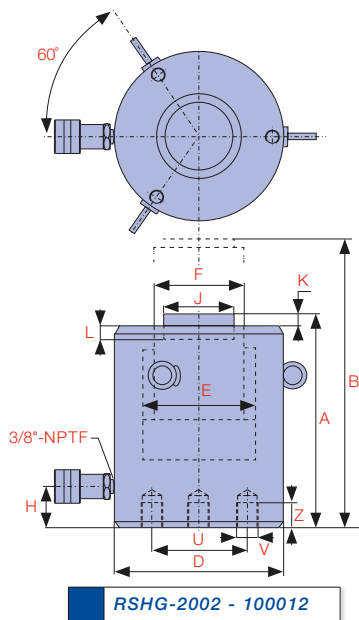
J Standard Load Cap Diameter (in)	K Load Cap Protrusion from Piston Rod (in)	L Depth of Piston Rod Hole (in)	Base Mounting Holes			Weight (lbs)	Optional Tilt Saddle			Model Number	Handle Type
			U Bolt Circle Diameter (in)	V Thread	Z Thread Depth (in)		Model Number	J1 Diameter (in)	K1** Height (in)		
1.97	0.04	0.75	2.56	M12 x 1.75	0.87	37.0	TSG-50	1.97	1.69	RSHG-502	◆
1.97	0.04	0.75	2.56	M12 x 1.75	0.87	45.0	TSG-50	1.97	1.69	RSHG-504	◆
1.97	0.04	0.75	2.56	M12 x 1.75	0.87	46.6	TSG-50	1.97	1.69	RSHG-506	◆
1.97	0.04	0.75	2.56	M12 x 1.75	0.87	54.7	TSG-50	1.97	1.69	RSHG-508	◆
1.97	0.04	0.75	2.56	M12 x 1.75	0.87	62.8	TSG-50	1.97	1.69	RSHG-5010	◆
1.97	0.04	0.75	2.56	M12 x 1.75	0.87	68.9	TSG-50	1.97	1.69	RSHG-5012	◆
2.95	0.04	0.75	3.74	M12 x 1.75	0.87	58.7	TSG-100	2.95	1.89	RSHG-1002	◆
2.95	0.04	0.75	3.74	M12 x 1.75	0.87	68.9	TSG-100	2.95	1.89	RSHG-1004	◆
2.95	0.04	0.75	3.74	M12 x 1.75	0.87	81.0	TSG-100	2.95	1.89	RSHG-1006	◆
2.95	0.04	0.75	3.74	M12 x 1.75	0.87	93.2	TSG-100	2.95	1.89	RSHG-1008	◆
2.95	0.04	0.75	3.74	M12 x 1.75	0.87	105.3	TSG-100	2.95	1.89	RSHG-10010	◆
2.95	0.04	0.75	3.74	M12 x 1.75	0.87	117.5	TSG-100	2.95	1.89	RSHG-10012	◆
3.70	0.04	0.75	5.12	M12 x 1.75	0.87	79.0	TSG-150	3.70	1.97	RSHG-1502	◆
3.70	0.04	0.75	5.12	M12 x 1.75	0.87	105.3	TSG-150	3.70	1.97	RSHG-1504	◆
3.70	0.04	0.75	5.12	M12 x 1.75	0.87	131.6	TSG-150	3.70	1.97	RSHG-1506	◆
3.70	0.04	0.75	5.12	M12 x 1.75	0.87	158.0	TSG-150	3.70	1.97	RSHG-1508	◆
3.70	0.04	0.75	5.12	M12 x 1.75	0.87	186.3	TSG-150	3.70	1.97	RSHG-15010	◆
3.70	0.04	0.75	5.12	M12 x 1.75	0.87	212.6	TSG-150	3.70	1.97	RSHG-15012	◆

HANDLE TYPE: ◆ EYEBOLT

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

SINGLE ACTING HIGH TONNAGE CYLINDERS

HYDRAULIC CYLINDERS



RSHG-2002 - 100012



Durapac offer power units suitable for operating high tonnage cylinders. Models available include split flow synchronized and high flow single speed up to 2.1 Gpm at 10,150 psi



Model Number	Cylinder Capacity ton* / max.		Stroke (in)	Cylinder Effective Area (in²)	Oil Capacity (in³)	A Collapsed Height (in)	B Extended Height (in)	D Outside Diameter (in)	E Cylinder Bore Diameter (in)	F Piston Rod Diameter (in)	H Base to Advance Port (in)
RSHG-2002	200	209.0	1.97	41.20	81.10	8.50	10.47	9.25	7.24	5.24	2.64
RSHG-2006		209.0	5.91	41.20	243.30	12.44	18.35	9.25	7.24	5.24	2.64
RSHG-20012		209.0	11.81	41.20	486.54	18.35	30.16	9.25	7.24	5.24	2.64
RSHG-2502	250	288.0	1.97	56.76	111.73	9.25	11.22	10.83	8.50	6.50	2.87
RSHG-2506		288.0	5.91	56.76	335.26	13.19	19.09	10.83	8.50	6.50	2.87
RSHG-25012		288.0	11.81	56.76	670.47	19.09	30.91	10.83	8.50	6.50	2.87
RSHG-3002	300	359.0	1.97	70.66	139.13	12.28	14.25	12.20	9.49	7.76	3.98
RSHG-3006		359.0	5.91	70.66	417.34	16.22	22.13	12.20	9.49	7.76	3.98
RSHG-30012		359.0	11.81	70.66	834.68	22.13	33.94	12.20	9.49	7.76	3.98
RSHG-4002	400	440.0	1.97	86.74	170.74	14.72	16.69	13.87	10.51	8.50	4.49
RSHG-4006		440.0	5.91	86.74	512.23	18.66	24.61	13.87	10.51	8.50	4.49
RSHG-40012		440.0	11.81	86.74	1024.53	24.57	36.38	13.87	10.51	8.50	4.49
RSHG-5002	500	575.0	1.97	113.18	222.80	16.50	18.46	15.75	12.01	9.76	4.49
RSHG-5006		575.0	5.91	113.18	668.45	20.43	26.34	15.75	12.01	9.76	4.49
RSHG-50012		575.0	11.81	113.18	1336.84	26.34	38.15	15.75	12.01	9.76	4.49
RSHG-6002	600	673.0	1.97	132.51	260.81	16.89	18.86	16.93	12.99	10.51	4.49
RSHG-6006		673.0	5.91	132.51	782.51	20.83	26.73	16.93	12.99	10.51	4.49
RSHG-60012		673.0	11.81	132.51	1565.01	26.73	38.54	16.93	12.99	10.51	4.49
RSHG-8002	800	925.0	1.97	182.23	358.70	18.66	20.63	19.88	15.24	12.48	5.87
RSHG-8006		925.0	5.91	182.23	1076.15	22.60	28.50	19.88	15.24	12.48	5.87
RSHG-80012		925.0	11.81	182.23	2152.36	28.50	40.31	19.88	15.24	12.48	5.87
RSHG-10002	1,000 [†]	1,152.0	1.97	227.08	447.00	22.20	24.17	22.05	17.01	13.50	6.85
RSHG-10006		1,152.0	5.91	227.08	1340.99	26.14	32.05	22.05	17.01	13.50	6.85
RSHG-100012		1,152.0	11.81	227.08	2681.99	32.05	43.86	22.05	17.01	13.50	6.85

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

[†] Tilt saddle supplied as standard

Low collapsed height **RSH-Series** cylinders are available



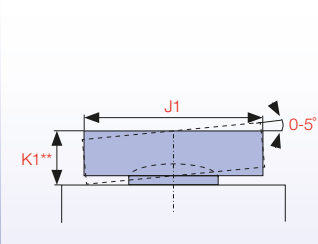
CAUTION...

Mounting Hole Orientation

Top mounting hole orientation is maintained to port location

Base mounting hole orientation is **not** maintained to port location

HYDRAULIC CYLINDERS



J Standard Load Cap Diameter (in)	K Load Cap Protrusion from Piston Rod (in)	L Depth of Piston Rod Hole (in)	Base Mounting Holes			Weight (lbs)	Optional Tilt Saddle			Model Number	Handle Type
			U Bolt Circle Diameter (in)	V Thread	Z Thread Depth (in)		Model Number	J1 Diameter (in)	K1** Height (in)		
4.45	0.04	0.94	6.50	M12 x 1.75	0.87	111.4	TSG-200	4.45	2.32	RSHG-2002	◆
4.45	0.04	0.94	6.50	M12 x 1.75	0.87	184.3	TSG-200	4.45	2.32	RSHG-2006	◆
4.45	0.04	0.94	6.50	M12 x 1.75	0.87	295.7	TSG-200	4.45	2.32	RSHG-20012	◆
5.71	0.04	0.94	7.48	M12 x 1.75	0.87	180.2	TSG-250	5.71	2.76	RSHG-2502	◆
5.71	0.04	0.94	7.48	M12 x 1.75	0.87	275.4	TSG-250	5.71	2.76	RSHG-2506	◆
5.71	0.04	0.94	7.48	M12 x 1.75	0.87	419.2	TSG-250	5.71	2.76	RSHG-25012	◆
6.97	0.04	0.75	7.09	M16 x 2	1.42	372.6	TSG-300	6.97	3.19	RSHG-3002	◆
6.97	0.04	0.75	7.09	M16 x 2	1.42	469.8	TSG-300	6.97	3.19	RSHG-3006	◆
6.97	0.04	0.75	7.09	M16 x 2	1.42	613.6	TSG-300	6.97	3.19	RSHG-30012	◆
7.72	0.12	1.06	8.07	M16 x 2	1.42	546.8	TSG-400	7.72	3.07	RSHG-4002	◆
7.72	0.12	1.06	8.07	M16 x 2	1.42	668.3	TSG-400	7.72	3.07	RSHG-4006	◆
7.72	0.12	1.06	8.07	M16 x 2	1.42	852.5	TSG-400	7.72	3.07	RSHG-40012	◆
8.98	0.12	1.06	9.84	M24 x 3	1.50	812.0	TSG-500	8.98	3.54	RSHG-5002	◆
8.98	0.12	1.06	9.84	M24 x 3	1.50	972.0	TSG-500	8.98	3.54	RSHG-5006	◆
8.98	0.12	1.06	9.84	M24 x 3	1.50	1,213.0	TSG-500	8.98	3.54	RSHG-50012	◆
9.72	0.12	1.06	10.83	M24 x 3	1.50	959.9	TSG-600	9.72	4.06	RSHG-6002	◆
9.72	0.12	1.06	10.83	M24 x 3	1.50	1,144.1	TSG-600	9.72	4.06	RSHG-6006	◆
9.72	0.12	1.06	10.83	M24 x 3	1.50	1,419.5	TSG-600	9.72	4.06	RSHG-60012	◆
11.69	0.12	1.06	12.99	M24 x 3	1.50	1,500.5	TSG-800	11.69	4.02	RSHG-8002	◆
11.69	0.12	1.06	12.99	M24 x 3	1.50	1,757.7	TSG-800	11.69	4.02	RSHG-8006	◆
11.69	0.12	1.06	12.99	M24 x 3	1.50	2,142.5	TSG-800	11.69	4.02	RSHG-80012	◆
12.72	0.12	1.06	14.76	M24 x 3	1.50	2,150.6	TSG-1000†	12.72	4.72	RSHG-10002	◆
12.72	0.12	1.06	14.76	M24 x 3	1.50	2,456.3	TSG-1000†	12.72	4.72	RSHG-10006	◆
12.72	0.12	1.06	14.76	M24 x 3	1.50	2,914.0	TSG-1000†	12.72	4.72	RSHG-100012	◆

HANDLE TYPE: ◆ EYEBOLT

** Total cylinder collapsed height with optional tilt saddle equals (dim. A - dim. K + dim. K1) † Tilt saddle supplied as standard