CYLINDERS

FROM 2 TO 1220 TONS!

SUPERIOR FEATURES OF POWER TEAM HYDRAULIC CYLINDERS:

We build our own cylinders in our ISO 9001 registered manufacturing facilities. All Power Team cylinders are date coded and stamped with a maximum pressure rating and capacity. Each cylinder we make complies with the demanding ASME B30.1 standard and are assembled/tested by certified assemblers and pressure tested to 125% of capacity before leaving our factories. Some other key features included:

- Cylinder bores are roller burnished to harden and smooth the surface, improving seal life by 30%.
- Base mounting holes withstand full cylinder capacity.
- Typical cylinder burst pressure range is from 25,000 to 35,000 psi, well-beyond extreme usage.
- Cylinders with gland nuts may be "dead-ended" at 10,000 psi.
- Eddy current and mag-particle inspections detect flaws in the steel.
- Material is removed from surface to ensure that any flaws are eliminated.

POWERTHON™ LIFETIME WARRANTY

ISO 9001 CERTIFIED

Page Description	Cylinder Movement	Type of Return	Tonnage Range	Page(s)
Introduction	-	-	-	5-10
C	Single-Acting	Spring	5-100	11-12
CBT	Single-Acting	Spring	5-25	13
RP	Single-Acting	Spring	2-5	14
C Accessories	-	-	-	5-16
RA	Single-Acting	Spring	20-100	17
RLS	Single-Acting	Spring	5-150	18
RSS	Single-Acting Double-Acting	Spring	10-250	19-20
RH	Single-Acting Double-Acting	Spring Hydraulic	100-100 30-200	21-22
RT	Single-Acting	Spring	17.5-100	23-24
RGG	Single-Acting	Load	55-600	25-28
RDG	Double-Acting	Hydraulic	55-600	29-32
RD	Double-Acting	Hydraulic	10-500	33-34
R	Single-Acting Double-Acting	Spring Hydraulic	55-565 100-565	35-36
RC_C RC_D	Single-Acting Double-Acting	Load Hydraulic	740-1220 740-1220	37-38
RA_L R_L	Single-Acting, Locking	Load	55-100 55-565	39-40
RC_P	Single-Acting, Locking	Load	55-620	41
RC_L Series	Single-Acting, Locking	Load	740-1220	42

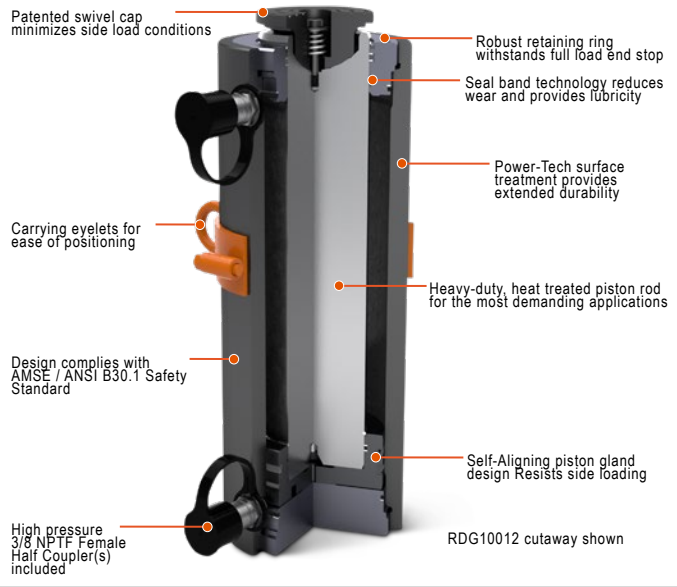
Model Shown:
RGG Family

Features

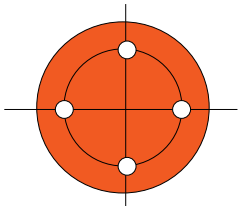
HEAVY LIFT, GENERAL PURPOSE CYLINDER FOR MAINTENANCE APPLICATIONS.

- Single-Acting, load return hydraulic cylinders, tonnages ranging from 55 - 200.
- Patented swivel cap provides concentrated load centering up to 5 degrees.
- Sealing technology provides rod lubrication to reduce friction and wear.
- Floating piston design resists side loading conditions.
- “Power-Tech” nitro-carburization surface treatment inhibits corrosion and provides exceptional durability
- Base mounting holes standard on all models (they are not maintained to port location).
- One high flow 3/8” NPTF female half coupler and removable carry strap w/ eyelets are included.
- Complies with ANSI / ASME B30.1 Safety Standards.

RGG Series Design Features



Technical Dimensions, Base Mounting Holes



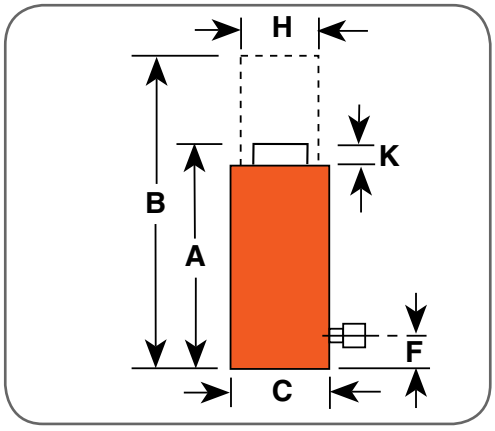
Four base mounting holes are 45° apart - standard on all models.

Tonnage	55	75	100	150	200
# of Base Mounting Holes	4	4	4	4	4
Base thread size	M12X1.75 - 6H	M12X1.75 - 6H	M16X1.5 - 6H	M16X1.5 - 6H	M20X1.5 - 6H
Base thread depth (in)	0.709	0.709	0.62	0.9	1.2
Base Mounting Diameter (in.)	3.03	3.66	4.00	5.12	5.72
Orientation	Mounting hole orientation is not maintained to port location.				

Cylinder Selection

Power Team recommends using 80% of the rated capacity and stroke to maximize product performance and safety.

Custom stroke lengths are available, contact your local Power Team Sales Office for details and availability.



Ordering Information

Cyl. Cap. (tons)	Stroke (in.)	Order No.	A Ret. Height (in.)	B Ext. Height (in.)	C Out. Dia. (in.)	F Base to Port (in.)	H Piston Rod Dia. (in.)	K Swivel Cap Protrusion (in.)	Swivel Cap Dia. (in.)	Bore Dia. (in.)	Cyl. Eff. Area (Advance) (sq. in.)	Oil Cap. (cu. in.)	Int. Press. at Cap. (psi)	Tons at 10,000 PSI (tons)	Prod. Wt. (lbs.)
55	2	RGG552	7.84	9.84	5.16	1.61	2.75	0.67	2.78	3.75	11.04	22.09	9959	55.22	38.90
	4	RGG554	9.84	13.84	5.16	1.61	2.75	0.67	2.78	3.75	11.04	44.18	9959	55.22	47.80
	6	RGG556	11.84	17.84	5.16	1.61	2.75	0.67	2.78	3.75	11.04	66.27	9959	55.22	59.70
	8	RGG558	13.84	21.84	5.16	1.61	2.75	0.67	2.78	3.75	11.04	88.36	9959	55.22	68.70
	10	RGG5510	15.84	25.84	5.16	1.61	2.75	0.67	2.78	3.75	11.04	110.45	9959	55.22	77.70
	12	RGG5512	17.84	29.84	5.16	1.61	2.75	0.67	2.78	3.75	11.04	132.54	9959	55.22	86.60
	13	RGG5513	18.84	31.84	5.16	1.61	2.75	0.67	2.78	3.75	11.04	143.58	9959	55.22	91.10
	14	RGG5514	19.84	33.84	5.16	1.61	2.75	0.67	2.78	3.75	11.04	154.63	9959	55.22	95.60
75	2	RGG752	8.31	10.31	5.78	1.76	3.12	0.76	3.24	4.38	15.03	30.06	9979	75.16	51.60
	4	RGG754	10.31	14.31	5.78	1.76	3.12	0.76	3.24	4.38	15.03	60.13	9979	75.16	67.10
	6	RGG756	12.31	18.31	5.78	1.76	3.12	0.76	3.24	4.38	15.03	90.19	9979	75.16	77.80
	8	RGG758	14.31	22.31	5.78	1.76	3.12	0.76	3.24	4.38	15.03	120.26	9979	75.16	88.50
	10	RGG7510	16.31	26.31	5.78	1.76	3.12	0.76	3.24	4.38	15.03	150.32	9979	75.16	99.30
	12	RGG7512	18.31	30.31	5.78	1.76	3.12	0.76	3.24	4.38	15.03	180.39	9979	75.16	110.00
	13	RGG7513	19.31	32.31	5.78	1.76	3.12	0.76	3.24	4.38	15.03	195.42	9979	75.16	115.30
	14	RGG7514	20.31	34.31	5.78	1.76	3.12	0.76	3.24	4.38	15.03	210.45	9979	75.16	120.70
100	2	RGG1002	8.70	10.70	6.53	1.85	3.75	0.92	3.87	5.13	20.63	41.27	9692	103.17	70.90
	4	RGG1004	10.70	14.70	6.53	1.85	3.75	0.92	3.87	5.13	20.63	82.54	9692	103.17	84.50
	6	RGG1006	12.70	18.70	6.53	1.85	3.75	0.92	3.87	5.13	20.63	123.81	9692	103.17	98.00
	8	RGG1008	14.70	22.70	6.53	1.85	3.75	0.92	3.87	5.13	20.63	165.08	9692	103.17	111.50
	10	RGG10010	16.70	26.70	6.53	1.85	3.75	0.92	3.87	5.13	20.63	206.35	9692	103.17	125.00
	12	RGG10012	18.70	30.70	6.53	1.85	3.75	0.92	3.87	5.13	20.63	247.62	9692	103.17	138.50
	13	RGG10013	19.70	32.70	6.53	1.85	3.75	0.92	3.87	5.13	20.63	268.25	9692	103.17	145.30
	14	RGG10014	20.70	34.70	6.53	1.85	3.75	0.92	3.87	5.13	20.63	288.88	9692	103.17	152.10
150	2	RGG1502	9.37	11.37	7.70	2.11	4.50	0.95	4.63	6.25	30.68	61.37	9777	153.42	102.90
	4	RGG1504	11.37	15.37	7.70	2.11	4.50	0.95	4.63	6.25	30.68	122.73	9777	153.42	120.90
	6	RGG1506	13.37	19.37	7.70	2.11	4.50	0.95	4.63	6.25	30.68	184.10	9777	153.42	138.90
	8	RGG1508	15.37	23.37	7.70	2.11	4.50	0.95	4.63	6.25	30.68	245.47	9777	153.42	156.90
	10	RGG15010	17.37	27.37	7.70	2.11	4.50	0.95	4.63	6.25	30.68	306.84	9777	153.42	174.90
	12	RGG15012	19.37	31.37	7.70	2.11	4.50	0.95	4.63	6.25	30.68	368.20	9777	153.42	192.90
	13	RGG15013	20.37	33.37	7.70	2.11	4.50	0.95	4.63	6.25	30.68	398.89	9777	153.42	201.90
	14	RGG15014	21.37	35.37	7.70	2.11	4.50	0.95	4.63	6.25	30.68	429.57	9777	153.42	210.90
200	2	RGG2002	10.04	12.04	8.93	2.25	5.25	1.06	5.37	7.25	41.28	82.57	9689	206.42	148.50
	4	RGG2004	12.04	16.04	8.93	2.25	5.25	1.06	5.37	7.25	41.28	165.14	9689	206.42	172.90
	6	RGG2006	14.04	20.04	8.93	2.25	5.25	1.06	5.37	7.25	41.28	247.71	9689	206.42	197.20
	8	RGG2008	16.04	24.04	8.93	2.25	5.25	1.06	5.37	7.25	41.28	330.27	9689	206.42	221.60
	10	RGG20010	18.04	28.04	8.93	2.25	5.25	1.06	5.37	7.25	41.28	412.84	9689	206.42	246.00
	12	RGG20012	20.04	32.04	8.93	2.25	5.25	1.06	5.37	7.25	41.28	495.41	9689	206.42	270.30
	13	RGG20013	21.04	34.04	8.93	2.25	5.25	1.06	5.37	7.25	41.28	536.70	9689	206.42	282.50
	14	RGG20014	22.04	36.04	8.93	2.25	5.25	1.06	5.37	7.25	41.28	577.98	9689	206.42	294.70

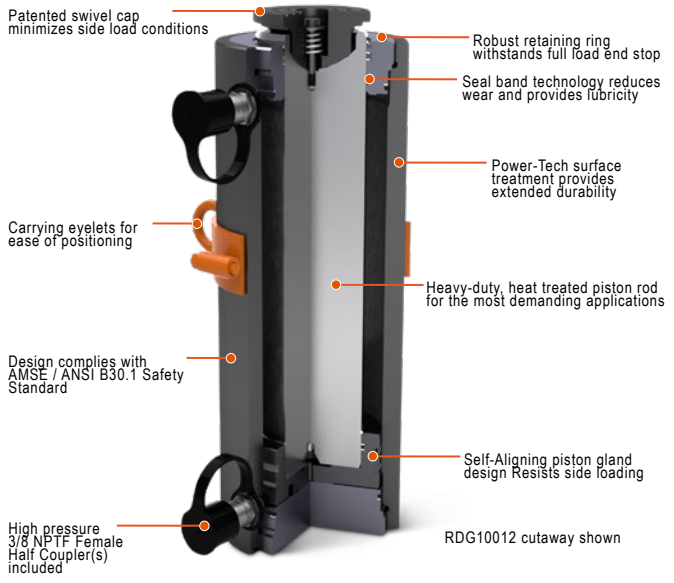
Model Shown:
RGG Family

Features

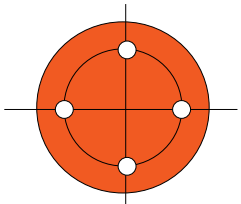
HEAVY LIFT, GENERAL PURPOSE CYLINDER FOR TOUGH MAINTENANCE APPLICATIONS.

- Single-Acting, load return hydraulic cylinders, tonnages ranging from 250 - 600.
- Patented swivel cap provides concentrated load centering up to 5 degrees
- Sealing technology provides lubrication to reduce friction and wear.
- Floating piston design resists side loading conditions.
- “Power-Tech” nitro-carburization surface treatment inhibits corrosion and provides exceptional durability.
- Base mounting holes standard on all models (they are not maintained to port location).
- One high flow 3/8” NPTF female half coupler and removable carry strap w/ eyelets are included.
- Complies with ANSI / ASME B30.1 Safety Standards.

RGG Series Design Features



Technical Dimensions, Base Mounting Holes



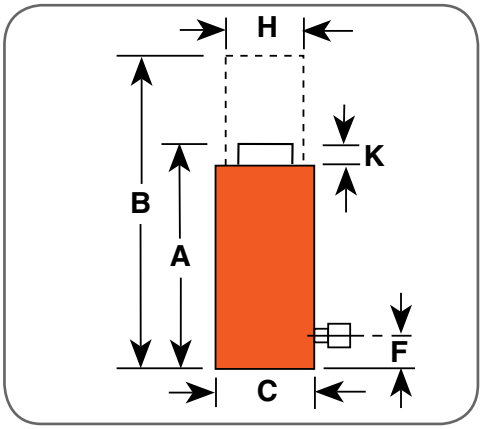
Four base mounting holes are 45° apart - standard on all models.

Tonnage	250	300	400	500	600
# of Base Mounting Holes	4	4	4	4	4
Base thread size	M24X3.0 - 6H	M24X3.0 - 6H	M30X3.5 - 6H	M30X3.5 - 6H	M33X2.0 - 6H
Base thread depth (in.)	1.457	1.457	1.8	1.5	1.95
Base Mounting Diameter (in.)	6.06	7.06	7.65	8.95	9.65
Orientation	Mounting hole orientation is not maintained to port location.				

Cylinder Selection

Power Team recommends using 80% of the rated capacity and stroke to maximize product performance and safety.

Custom stroke lengths are available, contact your local Power Team Sales Office for details and availability.



Ordering Information

Cyl. Cap. (tons)	Stroke (in.)	Order No.	A Ret. Height (in.)	B Ext. Height (in.)	C Out. Dia. (in.)	F Base to Port (in.)	H Piston Rod Dia. (in.)	K Swivel Cap Protrusion (in.)	Swivel Cap Dia. (in.)	Bore Dia. (in.)	Cyl. Eff. Area (Advance) (sq. in.)	Oil Cap. (cu. in.)	Int. Press. at Cap. (psi)	Tons at 10,000 PSI (tons)	Prod. Wt. (lbs.)
250	2	RGG2502	10.30	12.30	9.85	2.35	6.00	1.12	5.56	8.00	50.27	100.53	9947	251.33	192.10
	4	RGG2504	12.30	16.30	9.85	2.35	6.00	1.12	5.56	8.00	50.27	201.06	9947	251.33	222.90
	6	RGG2506	14.30	20.30	9.85	2.35	6.00	1.12	5.56	8.00	50.27	301.59	9947	251.33	253.60
	8	RGG2508	16.30	24.30	9.85	2.35	6.00	1.12	5.56	8.00	50.27	402.12	9947	251.33	284.30
	10	RGG25010	18.30	28.30	9.85	2.35	6.00	1.12	5.56	8.00	50.27	502.65	9947	251.33	315.00
	12	RGG25012	20.30	32.30	9.85	2.35	6.00	1.12	5.56	8.00	50.27	603.18	9947	251.33	345.70
	13	RGG25013	21.30	34.30	9.85	2.35	6.00	1.12	5.56	8.00	50.27	653.45	9947	251.33	361.10
	14	RGG25014	22.30	36.30	9.85	2.35	6.00	1.12	5.56	8.00	50.27	703.71	9947	251.33	376.50
300	2	RGG3002	10.74	12.74	11.08	2.48	6.50	1.28	6.66	9.00	63.61	127.23	9432	318.07	251.20
	4	RGG3004	12.74	16.74	11.08	2.48	6.50	1.28	6.66	9.00	63.61	254.45	9432	318.07	288.60
	6	RGG3006	14.74	20.74	11.08	2.48	6.50	1.28	6.66	9.00	63.61	381.68	9432	318.07	326.00
	8	RGG3008	16.74	24.74	11.08	2.48	6.50	1.28	6.66	9.00	63.61	508.91	9432	318.07	362.40
	10	RGG30010	18.74	28.74	11.08	2.48	6.50	1.28	6.66	9.00	63.61	636.13	9432	318.07	400.80
	12	RGG30012	20.74	32.74	11.08	2.48	6.50	1.28	6.66	9.00	63.61	763.36	9432	318.07	438.20
	13	RGG30013	21.74	34.74	11.08	2.48	6.50	1.28	6.66	9.00	63.61	826.97	9432	318.07	456.90
	14	RGG30014	22.74	36.74	11.08	2.48	6.50	1.28	6.66	9.00	63.61	890.59	9432	318.07	475.60
400	2	RGG4002	12.07	14.07	12.93	2.77	7.50	1.46	7.77	10.50	86.58	173.16	9240	432.90	390.40
	4	RGG4004	14.07	18.07	12.93	2.77	7.50	1.46	7.77	10.50	86.58	346.32	9240	432.90	440.80
	6	RGG4006	16.07	22.07	12.93	2.77	7.50	1.46	7.77	10.50	86.58	519.48	9240	432.90	491.20
	8	RGG4008	18.07	26.07	12.93	2.77	7.50	1.46	7.77	10.50	86.58	692.63	9240	432.90	541.50
	10	RGG40010	20.07	30.07	12.93	2.77	7.50	1.46	7.77	10.50	86.58	865.79	9240	432.90	591.90
	12	RGG40012	22.07	34.07	12.93	2.77	7.50	1.46	7.77	10.50	86.58	1038.95	9240	432.90	642.30
	13	RGG40013	23.07	36.07	12.93	2.77	7.50	1.46	7.77	10.50	86.58	1125.53	9240	432.90	667.50
	14	RGG40014	24.07	38.07	12.93	2.77	7.50	1.46	7.77	10.50	86.58	1212.11	9240	432.90	692.70
500	2	RGG5002	12.28	14.28	14.16	2.90	8.00	1.55	8.51	11.50	103.85	207.70	9629	519.26	451.60
	4	RGG5004	14.28	18.28	14.16	2.90	8.00	1.55	8.51	11.50	103.85	415.41	9629	519.26	530.00
	6	RGG5006	16.28	22.28	14.16	2.90	8.00	1.55	8.51	11.50	103.85	623.11	9629	519.26	589.00
	8	RGG5008	18.28	26.28	14.16	2.90	8.00	1.55	8.51	11.50	103.85	830.82	9629	519.26	647.70
	10	RGG50010	20.28	30.28	14.16	2.90	8.00	1.55	8.51	11.50	103.85	1038.52	9629	519.26	706.60
	12	RGG50012	22.28	34.28	14.16	2.90	8.00	1.55	8.51	11.50	103.85	1246.23	9629	519.26	765.50
	13	RGG50013	23.28	36.28	14.16	2.90	8.00	1.55	8.51	11.50	103.85	1350.08	9629	519.26	794.90
	14	RGG50014	24.28	38.28	14.16	2.90	8.00	1.55	8.51	11.50	103.85	1453.93	9629	519.26	824.40
600	2	RGG6002	12.76	14.76	15.40	3.02	9.00	1.63	9.25	12.50	122.70	245.39	9780	613.48	561.70
	4	RGG6004	14.76	18.76	15.40	3.02	9.00	1.63	9.25	12.50	122.70	490.78	9780	613.48	633.80
	6	RGG6006	16.76	22.76	15.40	3.02	9.00	1.63	9.25	12.50	122.70	736.17	9780	613.48	705.90
	8	RGG6008	18.76	26.76	15.40	3.02	9.00	1.63	9.25	12.50	122.70	981.56	9780	613.48	778.00
	10	RGG60010	20.76	30.76	15.40	3.02	9.00	1.63	9.25	12.50	122.70	1226.96	9780	613.48	850.10
	12	RGG60012	22.76	34.76	15.40	3.02	9.00	1.63	9.25	12.50	122.70	1472.35	9780	613.48	922.20
	13	RGG60013	23.76	36.76	15.40	3.02	9.00	1.63	9.25	12.50	122.70	1595.04	9780	613.48	958.20
	14	RGG60014	24.76	38.76	15.40	3.02	9.00	1.63	9.25	12.50	122.70	1717.74	9780	613.48	994.30