

>Power Team®



HEAVY LIFT CYLINDERS



THE MOST COMPREHENSIVE RANGE OF
HIGH PRESSURE HEAVY LIFT CYLINDERS

SPXFLOW®

Engineered for Tough Applications

POWER TEAM's new cylinder platform offers the most advanced design construction to provide extended reliability. This new cylinder technology is comprised of four main design elements.

Value Delivered:

- 1. Patented piston design offers the most flexibility to assist in minimizing offset loading conditions with its unique piston design.*
- 2. Patented swivel load cap design provides a visual indicator to ensure that the load is properly aligned while centering the load concentration to deliver superior performance in the field.*
- 3. Patented seal band technology provides ongoing lubrication to the piston rod to minimize friction and wear.*
- 4. Main cylinder components have the POWER-TECH+ nitro-carburization surface treatment that produces a hard, wear resistant surface, and results in properties that are resistant to corrosion and surface stresses for maximum life.*

The new R_G cylinder platform offers the most comprehensive range of tonnage and strokes in the industry.

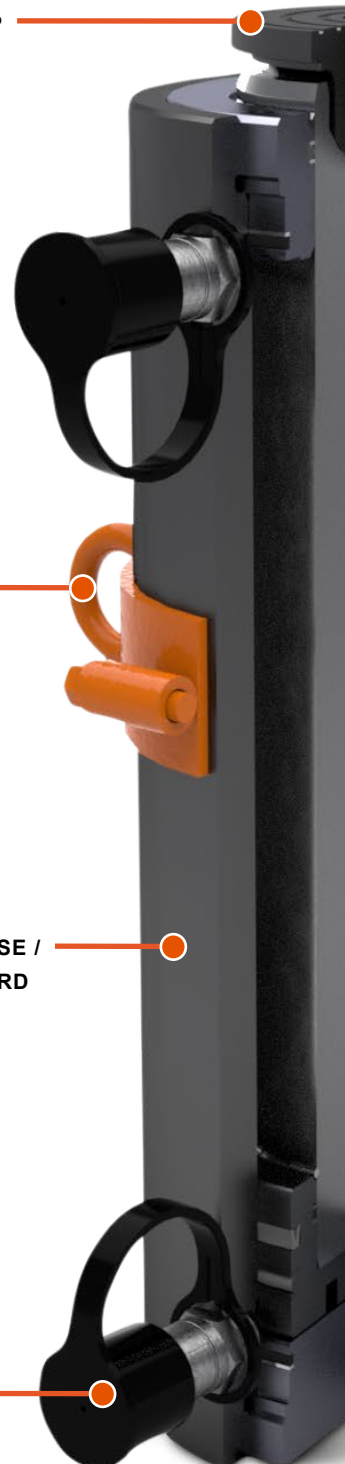
A Closer Look at the

PATENTED SWIVEL CAP
 MINIMIZES SIDE LOAD
 CONDITIONS

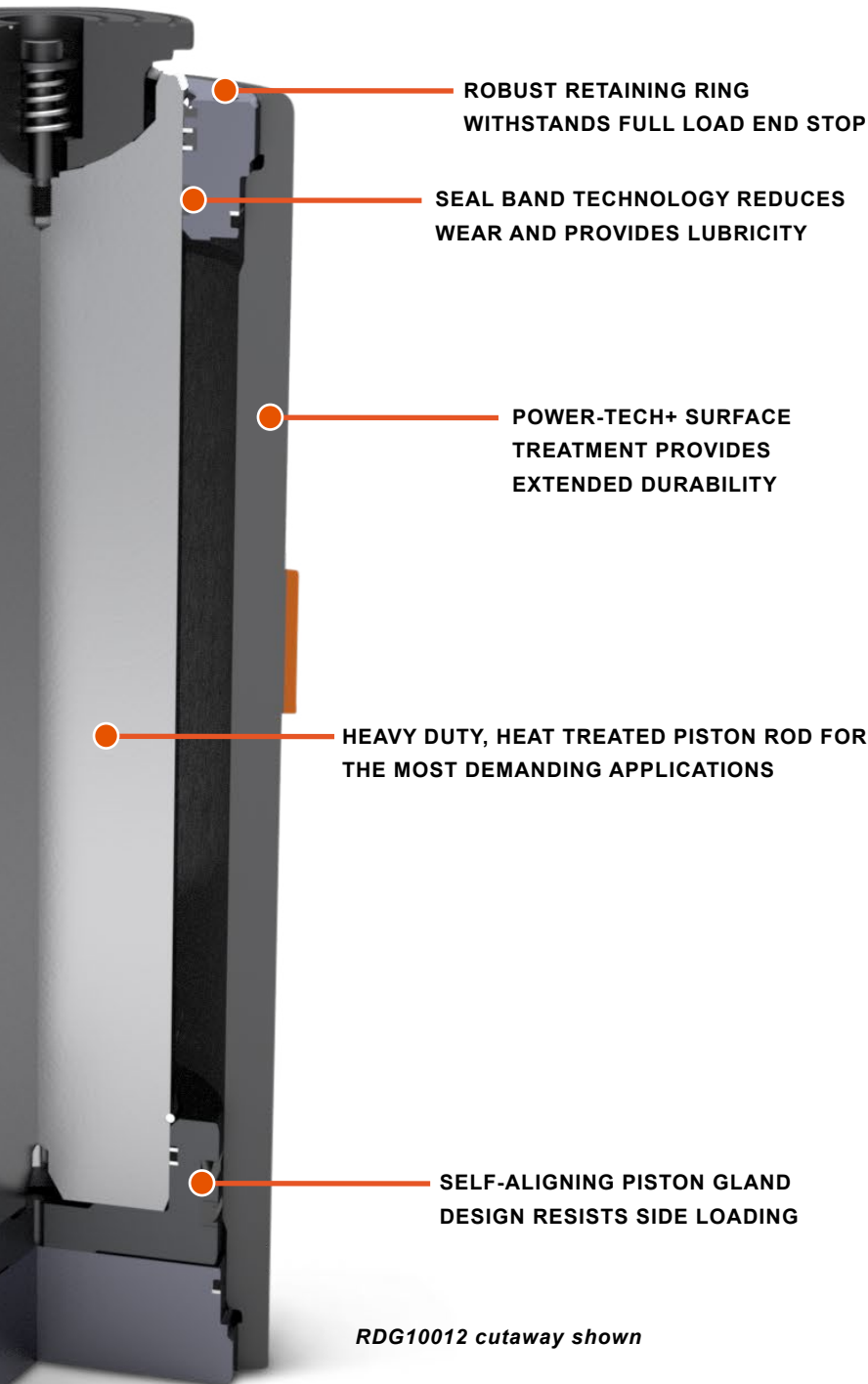
CARRYING EYELETS FOR
 EASE OF POSITIONING

DESIGN COMPLIES WITH AMSE /
 ANSI B30.1 SAFETY STANDARD

HIGH PRESSURE 3/8
 NPTF FEMALE HALF
 COUPLER(S) INCLUDED



New Cylinder Technology



RDG10012 cutaway shown

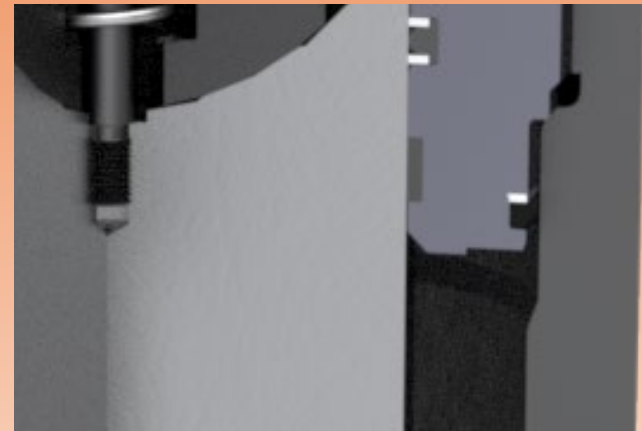
RDG10012 cutaway shown

More patented features than other major high pressure tool providers

▶ **Patented Swivel Cap Technology** Reduces
Binding During Off-Set Load Conditions



▶ **New Sealing / Lubricity Technology**
Increases Reliability and Reduces Wear



▶ **Patented Piston Rod Assembly** Ensures
Proper Alignment Under Harsh Conditions



Model Shown:
RGG Family



Features

- Single Acting load return hydraulic cylinder, 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
- Optimized piston gland design resists side loading conditions
- Robust retaining ring withstands full load end stop and conforms with ANSI B30.1 standards
- 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 carry strap w/ eyelets are included

RGG Series is perfect for any bridge construction application.



Analog Gauges

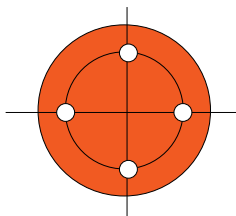


Power Team gauges feature an easily readable and highly visible, red Day-Glo® needle. High strength steel bourdon tube ensures high cycle life. Stainless steel cases and lens locking rings. Gauges have 1/4" NPT connections, and can be calibrated.

Ordering Information:

9440 (2.5 in.), **9052** (4 in.), and **9089** (6 in.)

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.				

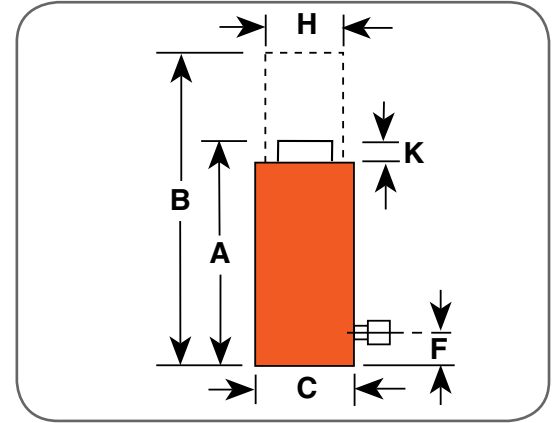


Cylinder Selection



When selecting a hydraulic cylinder(s) capacity and stroke, Power Team recommends that you size to 80% of the maximum rated capacity and stroke for the application - known as the "80% Rule". This will ensure additional safety factor and extend the product performance over time.

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



Ordering Information

Tonnage	Stroke	Order No	A	B	C	F	H	K	Swivel Cap Dia.	Bore Dia.	Cyl. Eff. Area (Advance)	Oil Cap.	Int. Press. at Cap.	Tons at 10,000 PSI	Weight
S. Tons	in.		Ret. Height in.	Ext. Height in.	Out. Dia. in.	Base to Port in.	Piston Rod Dia. in.	Swivel Cap Protrusion in.	in.	in.	sq.in.	cu.in.	PSI	S. Tons	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

- Single Acting load return hydraulic cylinder, 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
- Optimized piston gland design resists side loading conditions
- Robust retaining ring withstands full load end stop and conforms with ANSI B30.1 standards
- 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 carry strap w/ eyelets are included

RGG Series is perfect for any building lift application.



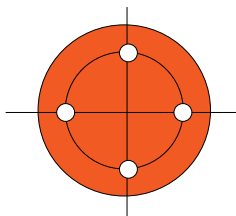
Load Lowering Valve



Precision metering for controlled cylinder piston return. Operation: Permits free flow when extending cylinder, built-in pressure relief and PosiCheck® locks and holds load in raised position until operator opens valve.

Ordering number: **9596**

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.				



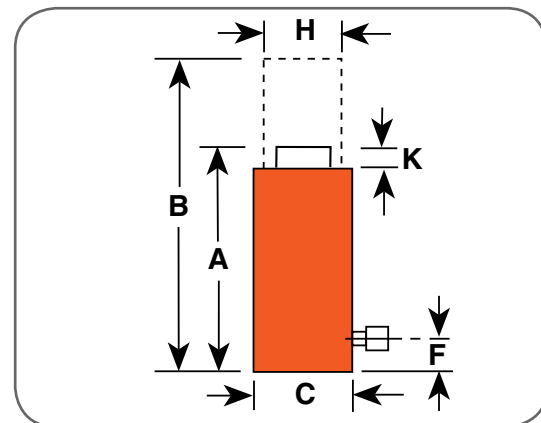
Cylinder Selection



When selecting a hydraulic cylinder(s) capacity and stroke, Power Team recommends that you size to 80% of the maximum rated capacity and stroke for the application - known as the "80% Rule". This will ensure additional safety factor and extend the product performance over time.

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

Ordering Information



Tonnage	Stroke	Order No	A	B	C	F	H	K	Swivel Cap Dia.	Bore Dia.	Cyl. Eff. Area (Advance)	Oil Cap.	Int. Press. at Cap.	Tons at 10,000 PSI	Weight
S. Tons	in.		Ret. Height in.	Ext. Height in.	Out. Dia. in.	Base to Port in.	Piston Rod Dia. in.	Swivel Cap Protrusion in.	in.	in.	sq.in.	cu.in.	PSI	S. Tons	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

Model Shown:
RDG Family



▶ RDG Series is perfect for any MRO application.

>Features

- Double Acting, hydraulic return cylinders, tonnages ranging from 55-200
- Patented swivel cap provides concentrated load centering up to 5 degrees
- Robust retaining ring withstands full load end stop and conforms with ANSI B30.1 standards
- Safety relief valve prevents over-pressurization of the retract circuit
- Sealing technology provides lubrication to reduce friction and wear
- *Power-Tech+* nitro-carburization surface treatment inhibits corrosion and provides exceptional durability
- Optimized piston gland design resists side loading conditions
- Base mounting holes standard on all models (they are not maintained to port location)
- Two high flow 3/8" NPTF female half coupler and carry strap w/ eyelets are included

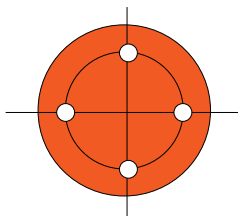


Pressure Control Sequence Valve



Used when one cylinder in a multi-cylinder application must advance before any other. Pressure setting is adjustable from 500 to 8,000 psi with adjustment screw; factory preset at 1,000 psi. Has 3/8" NPTF ports. No. 9597 – Pressure control sequencing valve. Wt., 5.6 lbs
Ordering number: **9597**

▶ 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)	0.71	0.71	0.62	0.90	1.20
Base Mounting Diameter (in.)	3.03	3.66	4.00	5.12	5.72
Orientation	Mounting hole orientation is not maintained to port location.				

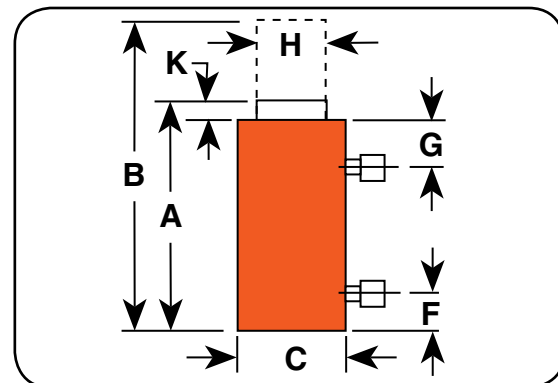


Cylinder Selection



When selecting a hydraulic cylinder(s) capacity and stroke, Power Team recommends that you size to 80% of the maximum rated capacity and stroke for the application - known as the "80% Rule". This will ensure additional safety factor and extend the product performance over time.

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



Ordering Information

Tonnage	Stroke	Order No	A	B	C	F	G	H	K	Swivel Cap Dia.	Bore Dia.	Cyl. Eff. Area (Advance)	Oil Cap. (Ext.)	Oil Cap. (Ret.)	Int. Press. at Cap.	Tons at 10,000 PSI	Weight
S. Tons	in.		Ret. Height in.	Ext. Height in.	Outside Dia. in.	Base to Port in.	Top to Port in.	Piston Rod Dia. in.	Swivel Cap Protrusion in.	in.	in.	sq.in.	cu.in.	cu.in.	PSI	S. Tons	lbs
55	2	RDG552	7.84	9.84	5.16	1.61	1.61	2.75	0.67	2.78	3.75	11.04	22.09	10.23	9959	55.20	39.20
	4	RDG554	9.84	13.84	5.16	1.61	1.61	2.75	0.67	2.78	3.75	11.04	44.18	20.45	9959	55.20	48.20
	6	RDG556	11.84	17.84	5.16	1.61	1.61	2.75	0.67	2.78	3.75	11.04	66.27	30.68	9959	55.20	60.10
	8	RDG558	13.84	21.84	5.16	1.61	1.61	2.75	0.67	2.78	3.75	11.04	88.36	40.90	9959	55.20	69.10
	10	RDG5510	15.84	25.84	5.16	1.61	1.61	2.75	0.67	2.78	3.75	11.04	110.45	51.13	9959	55.20	78.00
	12	RDG5512	17.84	29.84	5.16	1.61	1.61	2.75	0.67	2.78	3.75	11.04	132.54	61.35	9959	55.20	87.05
	13	RDG5513	18.84	31.84	5.16	1.61	1.61	2.75	0.67	2.78	3.75	11.04	143.58	66.47	9959	55.20	91.50
	14	RDG5514	19.84	33.84	5.16	1.61	1.61	2.75	0.67	2.78	3.75	11.04	154.63	71.58	9959	55.20	95.90
75	2	RDG752	8.31	10.31	5.78	1.76	1.76	3.12	0.76	3.24	4.38	15.03	30.06	14.74	9979	75.20	51.60
	4	RDG754	10.31	14.31	5.78	1.76	1.76	3.12	0.76	3.24	4.38	15.03	60.13	29.48	9979	75.20	67.40
	6	RDG756	12.31	18.31	5.78	1.76	1.76	3.12	0.76	3.24	4.38	15.03	90.19	44.23	9979	75.20	78.16
	8	RDG758	14.31	22.31	5.78	1.76	1.76	3.12	0.76	3.24	4.38	15.03	120.26	58.97	9979	75.20	88.90
	10	RDG7510	16.31	26.31	5.78	1.76	1.76	3.12	0.76	3.24	4.38	15.03	150.32	73.71	9979	75.20	99.60
	12	RDG7512	18.31	30.31	5.78	1.76	1.76	3.12	0.76	3.24	4.38	15.03	180.39	88.45	9979	75.20	110.33
	13	RDG7513	19.31	32.31	5.78	1.76	1.76	3.12	0.76	3.24	4.38	15.03	195.42	95.82	9979	75.20	115.70
	14	RDG7514	20.31	34.31	5.78	1.76	1.76	3.12	0.76	3.24	4.38	15.03	210.45	103.20	9979	75.20	121.10
100	2	RDG1002	8.70	10.70	6.53	1.85	1.85	3.75	0.92	3.87	5.13	20.63	41.27	19.21	9692	103.10	71.10
	4	RDG1004	10.70	14.70	6.53	1.85	1.85	3.75	0.92	3.87	5.13	20.63	82.54	38.43	9692	103.10	84.60
	6	RDG1006	12.70	18.70	6.53	1.85	1.85	3.75	0.92	3.87	5.13	20.63	123.81	57.64	9692	103.10	98.10
	8	RDG1008	14.70	22.70	6.53	1.85	1.85	3.75	0.92	3.87	5.13	20.63	165.08	76.86	9692	103.10	111.60
	10	RDG10010	16.70	26.70	6.53	1.85	1.85	3.75	0.92	3.87	5.13	20.63	206.35	96.07	9692	103.10	125.20
	12	RDG10012	18.70	30.70	6.53	1.85	1.85	3.75	0.92	3.87	5.13	20.63	247.62	115.29	9692	103.10	138.70
	13	RDG10013	19.70	32.70	6.53	1.85	1.85	3.75	0.92	3.87	5.13	20.63	268.25	124.90	9692	103.10	145.40
	14	RDG10014	20.70	34.70	6.53	1.85	1.85	3.75	0.92	3.87	5.13	20.63	288.88	134.50	9692	103.10	152.20
150	2	RDG1502	9.37	11.37	7.70	2.11	2.11	4.50	0.95	4.63	6.25	30.68	61.37	29.60	9777	153.40	103.00
	4	RDG1504	11.37	15.37	7.70	2.11	2.11	4.50	0.95	4.63	6.25	30.68	122.73	59.21	9777	153.40	121.00
	6	RDG1506	13.37	19.37	7.70	2.11	2.11	4.50	0.95	4.63	6.25	30.68	184.10	88.81	9777	153.40	139.00
	8	RDG1508	15.37	23.37	7.70	2.11	2.11	4.50	0.95	4.63	6.25	30.68	245.47	118.41	9777	153.40	157.00
	10	RDG15010	17.37	27.37	7.70	2.11	2.11	4.50	0.95	4.63	6.25	30.68	306.84	148.02	9777	153.40	175.10
	12	RDG15012	19.37	31.37	7.70	2.11	2.11	4.50	0.95	4.63	6.25	30.68	368.20	177.62	9777	153.40	193.10
	13	RDG15013	20.37	33.37	7.70	2.11	2.11	4.50	0.95	4.63	6.25	30.68	398.89	192.42	9777	153.40	202.10
	14	RDG15014	21.37	35.37	7.70	2.11	2.11	4.50	0.95	4.63	6.25	30.68	429.57	207.22	9777	153.40	211.10
200	2	RDG2002	10.04	12.04	8.93	2.25	2.25	5.25	1.06	5.37	7.25	41.28	82.57	39.33	9689	206.40	148.70
	4	RDG2004	12.04	16.04	8.93	2.25	2.25	5.25	1.06	5.37	7.25	41.28	165.14	78.66	9689	206.40	173.10
	6	RDG2006	14.04	20.04	8.93	2.25	2.25	5.25	1.06	5.37	7.25	41.28	247.71	117.99	9689	206.40	197.40
	8	RDG2008	16.04	24.04	8.93	2.25	2.25	5.25	1.06	5.37	7.25	41.28	330.27	157.31	9689	206.40	221.80
	10	RDG20010	18.04	28.04	8.93	2.25	2.25	5.25	1.06	5.37	7.25	41.28	412.84	196.64	9689	206.40	246.20
	12	RDG20012	20.04	32.04	8.93	2.25	2.25	5.25	1.06	5.37	7.25	41.28	495.41	235.97	9689	206.40	270.50
	13	RDG20013	21.04	34.04	8.93	2.25	2.25	5.25	1.06	5.37	7.25	41.28	536.70	255.64	9689	206.40	282.70
	14	RDG20014	22.04	36.04	8.93	2.25	2.25	5.25	1.06	5.37	7.25	41.28	577.98	275.30	9689	206.40	294.90

Model Shown:
RDG Family



>Features

- Double Acting, hydraulic return cylinders, tonnages ranging from 250 - 600
- Patented swivel cap provides concentrated load centering up to 5 degrees
- Robust retaining ring withstands full load end stop and conforms with ANSI B30.1 standards
- Safety relief valve prevents over-pressurization of the retract circuit
- Sealing technology provides lubrication to reduce friction and wear
- *Power-Tech+* nitro-carburization surface treatment inhibits corrosion and provides exceptional durability
- Optimized piston gland design resists side loading conditions
- Two high flow 3/8" NPTF female half coupler and carry strap w/ eyelets are included
- Base mounting holes standard on all models (they are not maintained to port location)

▶ RDG Series is perfect for mining MRO application.



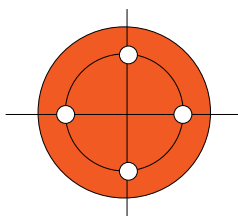
4 Port Control Manifold



For independent multiple-cylinder operation, feature needle valves for precise manual control. Designed for remote-mounted applications.

Ordering Information: **9644**

▶ 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)	1.46	1.46	1.80	1.80	1.95
Base Mounting Diameter (in.)	6.06	7.06	7.65	8.95	9.65
Base Mounting Orientation	Mounting hole orientation is not maintained to port location.				

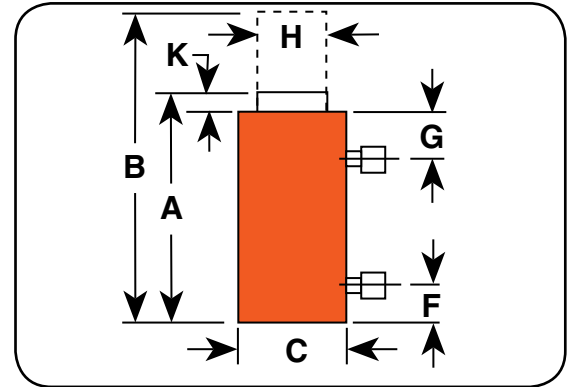


Cylinder Selection



When selecting a hydraulic cylinder(s) capacity and stroke, Power Team recommends that you size to 80% of the maximum rated capacity and stroke for the application - known as the "80% Rule". This will ensure additional safety factor and extend the product performance over time.

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



Ordering Information

Tonnage	Stroke	Order No	A	B	C	F	G	H	K	Swivel Cap Dia.	Bore Dia.	Cyl. Eff. Area (Advance)	Oil Cap. (Ext.)	Oil Cap. (Ret.)	Int. Press. at Cap.	Tons at 10,000 PSI	Weight
S. Tons	in.		in.	in.	in.	in.	in.	in.	in.	in.	in.	sq.in.	cu.in.	cu.in.	PSI	S. Tons	lbs
250	2	RDG2502	10.30	12.30	9.85	2.35	2.35	6.00	1.12	5.56	8.00	50.27	100.53	44.05	9947	251.30	192.30
	4	RDG2504	12.30	16.30	9.85	2.35	2.35	6.00	1.12	5.56	8.00	50.27	201.06	88.10	9947	251.30	223.00
	6	RDG2506	14.30	20.30	9.85	2.35	2.35	6.00	1.12	5.56	8.00	50.27	301.59	132.14	9947	251.30	253.80
	8	RDG2508	16.30	24.30	9.85	2.35	2.35	6.00	1.12	5.56	8.00	50.27	402.12	176.19	9947	251.30	284.50
	10	RDG25010	18.30	28.30	9.85	2.35	2.35	6.00	1.12	5.56	8.00	50.27	502.65	220.24	9947	251.30	315.20
	12	RDG25012	20.30	32.30	9.85	2.35	2.35	6.00	1.12	5.56	8.00	50.27	603.18	264.29	9947	251.30	345.90
	13	RDG25013	21.30	34.30	9.85	2.35	2.35	6.00	1.12	5.56	8.00	50.27	653.45	286.31	9947	251.30	361.30
300	14	RDG25014	22.30	36.30	9.85	2.35	2.35	6.00	1.12	5.56	8.00	50.27	703.71	308.34	9947	251.30	376.70
	2	RDG3002	10.74	12.74	11.08	2.48	2.48	6.50	1.28	6.66	9.00	63.61	127.23	60.93	9432	318.10	251.40
	4	RDG3004	12.74	16.74	11.08	2.48	2.48	6.50	1.28	6.66	9.00	63.61	254.45	121.87	9432	318.10	288.80
	6	RDG3006	14.74	20.74	11.08	2.48	2.48	6.50	1.28	6.66	9.00	63.61	381.68	182.80	9432	318.10	326.20
	8	RDG3008	16.74	24.74	11.08	2.48	2.48	6.50	1.28	6.66	9.00	63.61	508.91	243.74	9432	318.10	363.60
	10	RDG30010	18.74	28.74	11.08	2.48	2.48	6.50	1.28	6.66	9.00	63.61	636.13	304.67	9432	318.10	401.00
	12	RDG30012	20.74	32.74	11.08	2.48	2.48	6.50	1.28	6.66	9.00	63.61	763.36	365.61	9432	318.10	438.40
400	13	RDG30013	21.74	34.74	11.08	2.48	2.48	6.50	1.28	6.66	9.00	63.61	826.97	396.08	9432	318.10	457.10
	14	RDG30014	22.74	36.74	11.08	2.48	2.48	6.50	1.28	6.66	9.00	63.61	890.59	426.54	9432	318.10	475.80
	2	RDG4002	12.07	14.07	12.93	2.77	2.77	7.50	1.46	7.77	10.50	86.58	173.16	84.89	9240	433.00	390.60
	4	RDG4004	14.07	18.07	12.93	2.77	2.77	7.50	1.46	7.77	10.50	86.58	346.32	169.79	9240	433.00	441.00
	6	RDG4006	16.07	22.07	12.93	2.77	2.77	7.50	1.46	7.77	10.50	86.58	519.48	254.68	9240	433.00	491.40
	8	RDG4008	18.07	26.07	12.93	2.77	2.77	7.50	1.46	7.77	10.50	86.58	692.63	339.57	9240	433.00	541.70
	10	RDG40010	20.07	30.07	12.93	2.77	2.77	7.50	1.46	7.77	10.50	86.58	865.79	424.47	9240	433.00	592.10
500	12	RDG40012	22.07	34.07	12.93	2.77	2.77	7.50	1.46	7.77	10.50	86.58	1038.95	509.36	9240	433.00	635.60
	13	RDG40013	23.07	36.07	12.93	2.77	2.77	7.50	1.46	7.77	10.50	86.58	1125.53	551.80	9240	433.00	667.70
	14	RDG40014	24.07	38.07	12.93	2.77	2.77	7.50	1.46	7.77	10.50	86.58	1212.11	594.25	9240	433.00	692.90
	2	RDG5002	12.28	14.28	14.16	2.90	2.90	8.00	1.55	8.51	11.50	103.85	207.70	107.27	9629	519.30	471.30
	4	RDG5004	14.28	18.28	14.16	2.90	2.90	8.00	1.55	8.51	11.50	103.85	415.41	214.55	9629	519.30	530.20
	6	RDG5006	16.28	22.28	14.16	2.90	2.90	8.00	1.55	8.51	11.50	103.85	623.11	321.82	9629	519.30	589.10
	8	RDG5008	18.28	26.28	14.16	2.90	2.90	8.00	1.55	8.51	11.50	103.85	830.82	429.10	9629	519.30	647.90
600	10	RDG50010	20.28	30.28	14.16	2.90	2.90	8.00	1.55	8.51	11.50	103.85	1038.52	536.37	9629	519.30	706.80
	12	RDG50012	22.28	34.28	14.16	2.90	2.90	8.00	1.55	8.51	11.50	103.85	1246.23	643.65	9629	519.30	765.70
	13	RDG50013	23.28	36.28	14.16	2.90	2.90	8.00	1.55	8.51	11.50	103.85	1350.08	697.29	9629	519.30	795.10
	14	RDG50014	24.28	38.28	14.16	2.90	2.90	8.00	1.55	8.51	11.50	103.85	1453.93	750.92	9629	519.30	824.60
	2	RDG6002	12.76	14.76	15.40	3.02	3.02	9.00	1.63	9.25	12.50	122.70	245.39	118.28	9780	613.60	562.20
	4	RDG6004	14.76	18.76	15.40	3.02	3.02	9.00	1.63	9.25	12.50	122.70	490.78	236.56	9780	613.60	634.30
	6	RDG6006	16.76	22.76	15.40	3.02	3.02	9.00	1.63	9.25	12.50	122.70	736.17	354.83	9780	613.60	706.40
600	8	RDG6008	18.76	26.76	15.40	3.02	3.02	9.00	1.63	9.25	12.50	122.70	981.56	473.11	9780	613.60	778.50
	10	RDG60010	20.76	30.76	15.40	3.02	3.02	9.00	1.63	9.25	12.50	122.70	1226.96	591.39	9780	613.60	850.60
	12	RDG60012	22.76	34.76	15.40	3.02	3.02	9.00	1.63	9.25	12.50	122.70	1472.35	709.67	9780	613.60	922.70
	13	RDG60013	23.76	36.76	15.40	3.02	3.02	9.00	1.63	9.25	12.50	122.70	1595.04	768.80	9780	613.60	958.70
	14	RDG60014	24.76	38.76	15.40	3.02	3.02	9.00	1.63	9.25	12.50	122.70	1717.74	827.94	9780	613.60	994.80

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