

Double Acting Cylinders

- Can be used in tough environments.
- Removable hardened saddles protect plunger during lifting and pressing.
- Designed for use in all positions.
- Plunger wiper reduces contamination extending cylinder life.
- Double acting designs allow for both push and pull forces.
- Collar threads, plunger threads and base mounting holes for easy fixing.
- ECR-400 coupler and dust cap included with all models.



Capacity :

10 - 100 Tons

Stroke :

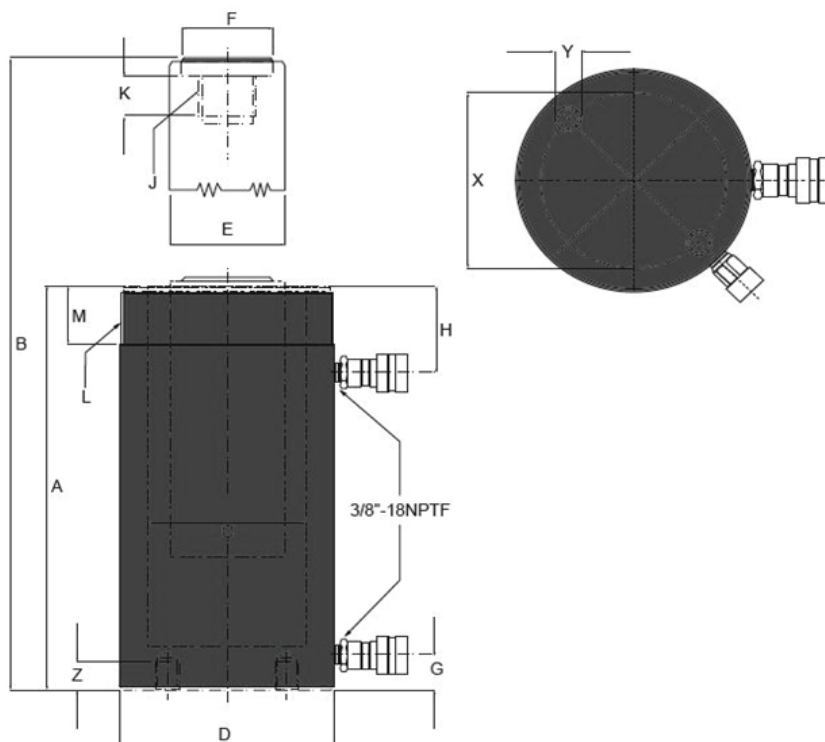
155 - 461 mm

Max. Operating Pressure :

700 BAR

Min. - Max. Height :

331- 1269 mm



EPP®
Global Hydraulic Solutions

Cylinder Capacity	Stroke (mm)	Maximum Cylinder Capacity		Cylinder Effective Area		Oil Capacity		Weight (kg)	Collapsed Height A (mm)	Extended Height B (mm)	Cylinder Bore Dia. C (mm)	Model Number
		Push (ton)	Pull (ton)	Push (cm ²)	Pull (cm ²)	Push (cc)	Pull (cc)					
10 Ton 89 kN	255	11.4	3.8	14.5	4.8	367	122	12.1	409	665	43	PRR-1010
	304	11.4	3.8	14.5	4.8	438	146	13.6	458	762	43	PRR-1012
30 Ton 267 kN	207	32.9	16.2	41.9	20.6	867	426	19.5	389	596	73	PRR-308
	368	32.9	16.2	41.9	20.6	1542	758	27.5	550	918	73	PRR-3014
55 Ton 489 kN	157	55.7	16.2	70.9	20.6	1113	323	32.0	331	488	95	PRR-556*
	335	55.7	16.2	70.9	20.6	2375	690	47.2	509	844	95	PRR-5513*
	511	55.7	16.2	70.9	20.6	3623	1053	66.3	733	1269	95	PRR-5520*
75 Ton 667 kN	155	81.7	25.9	103.8	33	1608	511	42.5	348	503	115	PRR-756*
	333	81.7	25.9	103.8	33	3457	1099	62.1	526	859	115	PRR-7513*
100 Ton 890 kN	167	104.4	48.6	132.7	61.8	2216	1032	62.9	357	524	130	PRR-1006*
	257	104.4	48.6	132.7	61.8	3413	1591	76.7	449	706	130	PRR-10010*
	333	104.4	48.6	132.7	61.8	4419	2058	87.8	524	857	130	PRR-10013*
	461	104.4	48.6	132.7	61.8	6117	2849	112.6	687	1148	130	PRR-10018*

Quick Selection Guide

Cylinder Capacity	Stroke (mm)	Collapsed Height (mm)	Oil Capacity		Weight (kg)	Model Number
			Push (cc)	Pull (cc)		
10 Ton 89 kN	255	409	367	122	12.1	PRR-1010
	304	458	438	146	13.6	PRR-1012
30 Ton 267 kN	207	389	867	426	19.5	PRR-308
	368	550	1542	758	27.5	PRR-3014
55 Ton 489 kN	157	331	1113	323	32.0	PRR-556*
	335	509	2375	690	47.2	PRR-5513*
	511	733	3623	1053	66.3	PRR-5520*
75 Ton 667 kN	155	348	1608	511	42.5	PRR-756*
	333	526	3457	1099	62.1	PRR-7513*
100 Ton 890 kN	167	357	2216	1032	62.9	PRR-1006*
	257	449	3413	1591	76.7	PRR-10010*
	333	524	4419	2058	87.8	PRR-10013*
	461	687	6117	2849	112.6	PRR-10018*



Outside Dia. D (mm)	Plunger Dia. E (mm)	Saddle Dia. F (mm)	Base to Inlet Port G (mm)	Top to Return Port H (mm)	Plunger Internal Thread J	Plunger Thread Length K (mm)	Collar Thread L	Collar Thread Length M (mm)	Base Mounting Hole			Model Number
									Bolt Circle X (mm)	Thread Y	Thread Depth Z (mm)	
73	35	35	36	53	1"-8UNC	25	2 1/4"-14UN	26	33	5/16"-18UNC	15	PRR-1010
73	35	35	36	53	1"-8UNC	25	2 1/4"-14UN	26	33	5/16"-18UNC	15	PRR-1012
101	54	50	42	74	1 1/2"-16UN	25	3 5/16"-12UN	49	56	1/2"-13UNC	18	PRR-308
101	54	50	42	74	1 1/2"-16UN	25	3 5/16"-12UN	49	56	1/2"-13UNC	18	PRR-3014
127	80	70	29	73	1"-12UNF	25	5"-12UN	44	94	1/2"-13UNC	18	PRR-556*
127	80	70	29	73	1"-12UNF	25	5"-12UN	44	94	1/2"-13UNC	18	PRR-5513*
127	80	70	29	73	1"-12UNF	25	5"-12UN	44	94	1/2"-13UNC	18	PRR-5520*
146	95	70	30	71	1"-12UNF	38	5 3/4"-12UN	38	102	3/4"-10UNC	23	PRR-756*
146	95	70	30	71	1"-12UNF	38	5 3/4"-12UN	38	102	3/4"-10UNC	23	PRR-7513*
177	95	75	31	75	1 1/4"-12UN	35	6 7/8"-12N	50	139	3/4"-10UNC	25	PRR-1006*
177	95	75	31	75	1 1/4"-12UN	38	6 7/8"-12N	51	140	3/4"-10UNC	25	PRR-10010*
177	95	75	31	75	1 1/4"-12UN	35	6 7/8"-12UN	50	139	3/4"-10UNC	25	PRR-10013*
177	95	75	38	75	1 1/4"-12UN	35	6 7/8"-12UN	50	139	3/4"-10UNC	25	PRR-10018*