

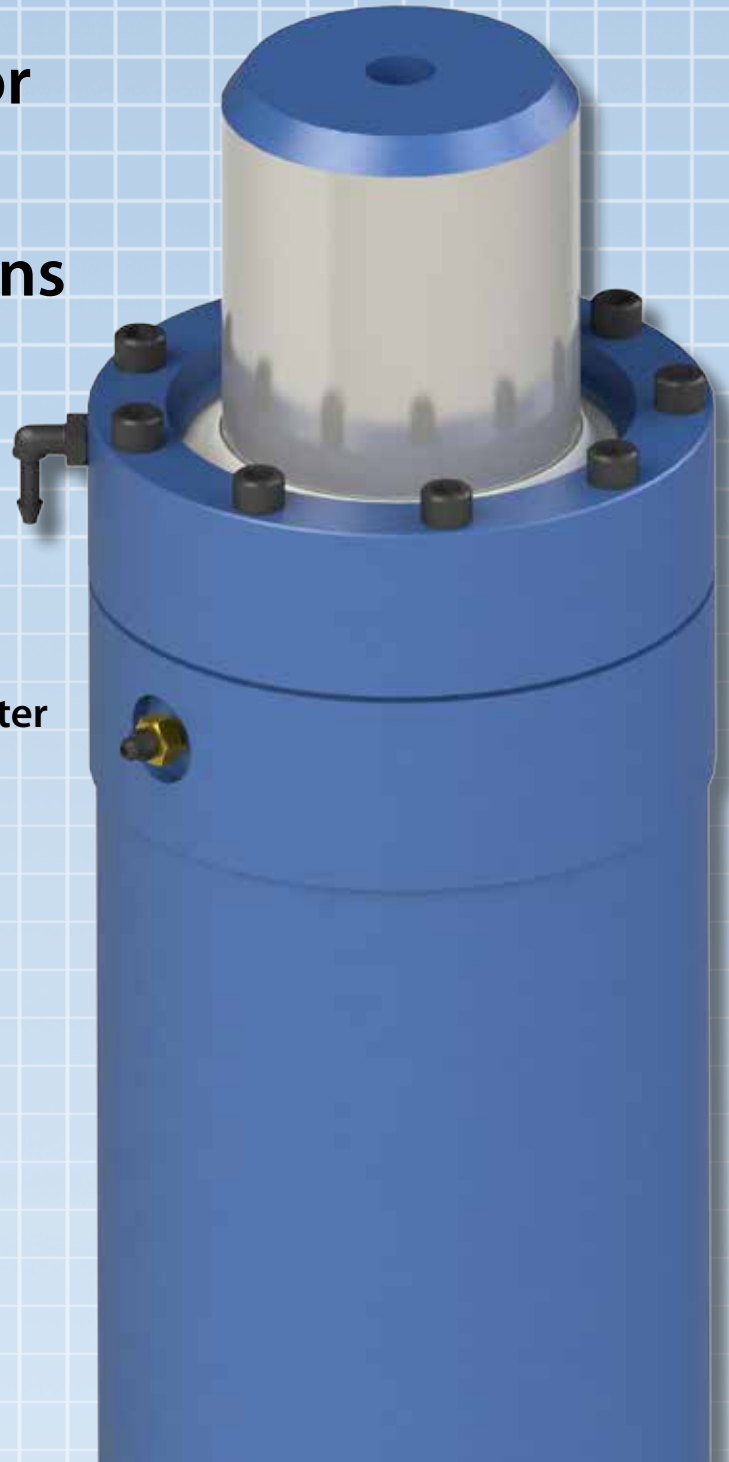


Elevator Equipment Corporation
"Simplicity in Motion"

SINGLE STAGE HYDRAULIC JACK UNITS

Single Stage Jack Units for Direct Acting, Cantilever, & Dual System Applications

- Single & Multi-piece Construction
- Range of Sized from 2.75" to 20" Diameter
- Rated to 680 PSI Working Pressure
- Low Profile Head for Holeless & Roped Applications



All EECO
Products are



Models & Configurations

Standard PJR Series

Model				Piston Wall Thickness		Piston Weight	
Piston Dia.		Cylinder Dia.					
in	(mm)	in	(cm)				
Area of Piston		Piston Disp.		in	(mm)	lbs/ft	(kg/m)
in²	(cm²)	gal/ft	(lit/m)				
PJR-275				0.240	(6.1)	6.5	(9.7)
2.750	(69.9)	4.50	(11.4)	0.303	(7.7)	8.5	(12.6)
5.94	(38.3)	0.31	(3.8)	0.365	(9.3)	9.8	(14.6)
PJR-3NET				0.240	(6.1)	7.1	(10.6)
3.000	(76.2)	4.50	(11.4)	0.365	(9.3)	10.9	(16.2)
7.07	(45.6)	0.37	(4.6)				
PJR-3R				0.268	(6.8)	10.4	(15.5)
3.437	(87.3)	5.56	(14.1)	0.568	(14.4)	18.2	(27.1)
9.28	(59.9)	0.48	(6.0)				
PJR-387				0.256	(6.5)	11.6	(17.3)
3.875	(98.4)	6.63	(16.8)	0.365	(9.3)	15.1	(22.5)
11.79	(76.1)	0.61	(7.6)	0.574	(14.6)	21.2	(31.5)
PJR-4NET				0.240	(6.1)	9.8	(14.6)
4.000	(101.6)	6.63	(16.8)	0.303	(7.7)	13.7	(20.4)
12.57	(81.1)	0.65	(8.1)	0.365	(9.3)	15.7	(23.4)
PJR-4				0.275	(7.0)	14.4	(21.4)
4.375	(111.1)	6.63	(16.8)	0.375	(9.5)	18.1	(26.9)
15.03	(97.0)	0.78	(9.7)	0.468	(11.9)	21.3	(31.7)
				0.611	(15.5)	26.0	(38.7)
PJR-5NET				0.240	(6.1)	12.5	(18.6)
5.000	(127.0)	8.63	(21.9)	0.303	(7.7)	18.2	(27.1)
19.64	(126.7)	1.02	(12.7)	0.365	(9.3)	20.8	(31.0)
				0.490	(12.4)	26.0	(38.7)
				0.615	(15.6)	30.8	(45.8)
PJR-5				0.312	(7.9)	20.8	(31.0)
5.437	(138.1)	8.63	(21.9)	0.437	(11.1)	26.7	(39.7)
23.22	(149.8)	1.21	(15.0)	0.562	(14.3)	32.2	(47.9)
				0.687	(17.4)	37.3	(55.5)
PJR-6NET				0.240	(6.1)	15.3	(22.8)
6.000	(152.4)	8.63	(21.9)	0.365	(9.3)	26.3	(39.1)
28.27	(182.4)	1.47	(18.2)	0.490	(12.4)	32.7	(48.7)
				0.615	(15.6)	38.8	(57.7)
PJR-6				0.365	(9.3)	29.2	(43.5)
6.500	(165.1)	8.63	(21.9)	0.369	(9.4)	29.5	(43.9)
33.18	(214.1)	1.72	(21.4)	0.499	(12.7)	36.8	(54.8)
				0.656	(16.7)	45.2	(67.3)
				0.801	(20.3)	52.4	(78.0)
PJR-6SPL				0.365	(9.3)	29.2	(43.5)
6.500	(165.1)	10.75	(27.3)	0.369	(9.4)	29.5	(43.9)
33.18	(214.1)	1.72	(21.4)	0.499	(12.7)	36.8	(54.8)
				0.656	(16.7)	45.2	(67.3)
				0.801	(20.3)	52.4	(78.0)
PJR-7NET				0.240	(6.1)	18.2	(27.1)
7.000	(177.8)	10.75	(27.3)	0.365	(9.3)	32.1	(47.8)
38.48	(248.3)	2.00	(24.8)	0.490	(12.4)	39.7	(59.1)
PJR-7				0.240	(6.1)	19.6	(29.2)
7.500	(190.5)	10.75	(27.3)	0.365	(9.3)	35.1	(52.2)
44.18	(285.0)	2.30	(28.5)	0.490	(12.4)	43.3	(64.4)
PJR-8NET				0.240	(6.1)	21.0	(31.3)
8.000	(203.2)	10.75	(27.3)	0.365	(9.3)	36.4	(54.2)
50.27	(324.3)	2.61	(32.4)	0.490	(12.4)	44.9	(66.8)
				0.615	(15.6)	55.7	(82.9)
PJR-8				0.260	(6.6)	24.2	(36.0)
8.500	(215.9)	10.75	(27.3)	0.437	(11.1)	45.7	(68.0)
56.75	(366.1)	2.95	(36.6)	0.656	(16.7)	61.1	(90.9)
				0.812	(20.6)	71.8	(106.9)
PJR-8SPL				0.260	(6.6)	24.2	(36.0)
8.500	(215.9)	12.75	(32.4)	0.437	(11.1)	45.7	(68.0)
56.75	(366.1)	2.95	(36.6)	0.656	(16.7)	61.1	(90.9)
				0.812	(20.6)	71.8	(106.9)

Standard LJ Series

Model				Piston Wall Thickness		Piston Weight	
Piston Dia.		Cylinder Dia.					
in	(mm)	in	(cm)				
Area of Piston		Piston Disp.		in	(mm)	lbs/ft	(kg/m)
in ²	(cm ²)	gal/ft	(lit/m)				
LJ-9				0.240	(6.1)	25.6	(38.1)
9.500	(241.3)	12.75	(32.4)	0.365	(9.3)	41.3	(61.5)
70.88	(457.3)	3.68	(45.7)	0.490	(12.4)	51.6	(76.8)
LJ-10				0.303	(7.7)	35.8	(53.3)
10.625	(269.9)	12.75	(32.4)	0.437	(11.1)	57.9	(86.2)
88.66	(572.0)	4.61	(57.2)	0.532	(13.5)	66.6	(99.1)
				0.781	(19.8)	88.7	(132.0)
LJ-10SPL				0.303	(7.7)	35.8	(53.3)
10.625	(269.9)	14.00	(35.6)	0.437	(11.1)	57.9	(86.2)
88.66	(572.0)	4.61	(57.2)	0.532	(13.5)	66.6	(99.1)
				0.781	(19.8)	88.7	(132.0)
LJ-12				0.437	(11.1)	72.9	(108.5)
12.625	(320.7)	16.00	(40.6)	0.625	(15.9)	93.6	(139.3)
125.19	(807.6)	6.50	(80.8)	0.939	(23.9)	126.7	(188.6)
LJ-14				0.437	(11.1)	80.4	(119.6)
13.875	(352.4)	16.00	(40.6)	0.688	(17.5)	110.9	(165.0)
151.20	(975.5)	7.85	(97.5)				
LJ-14SPL				0.437	(11.1)	80.4	(119.6)
13.875	(352.4)	18.00	(45.7)	0.688	(17.5)	110.9	(165.0)
151.20	(975.5)	7.85	(97.5)				
LJ-16				0.437	(11.1)	97.3	(144.8)
15.875	(403.2)	20.00	(50.8)	0.594	(15.1)	119.7	(178.1)
197.93	(1277.0)	10.28	(127.7)	0.781	(19.8)	145.5	(216.5)
LJ-18				0.437	(11.1)	90.6	(134.8)
17.875	(454.0)	22.00	(55.9)	0.500	(12.7)	119.6	(178.0)
250.95	(1619.0)	13.04	(161.9)	0.688	(17.5)	137.7	(204.9)
LJ-20				0.750	(19.1)	184.7	(274.9)
20.000	(508.0)	24.00	(61.0)				
314.16	(2026.8)	16.32	(202.7)				

Design Features

Single stage jack units (PJR and LJ series) consist of a single piston in a cylinder with head bearing and packing gland at the upper end where the piston collapses into the cylinder. Single stage jacks are designed for "guided" applications only, where the Jack unit is rigidly supported and guided through the use of guide rails and guide shoes. All EECO products are designed and manufactured in accordance with the Safety Code for Elevators and Escalators, ASME A17.1/CSA B44.

Double bearing jack units utilizing an additional support bearing located below the head bearing to allow the piston to carry an eccentric (off center) load without external guides can also be provided. These jacks are normally used in applications that are not within the scope of ASME A17.1/CSA B44 however, EECO double bearing jack units are still designed in accordance to these guidelines.



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