



PR-3 Single-Grip Mechanical Production Packer

Weatherford's PR-3 single-grip mechanical production packer is a retrievable packer set by compression that isolates the annulus from the production conduit in most production, stimulation, and testing operations. The field-proven design includes rocker slips and a three-element packing system that helps to ensure correct setting and packoff.

Applications

- Cementing
- Fracture stimulation
- Testing and production
- Zonal isolation

Features, Advantages and Benefits

- The packer parts are interchangeable with equipment from other manufacturers, reducing costs and inventory.
- The large bypass enables fluids to equalize quickly and reduces the swabbing effect during run-in and retrieval for faster running.
- The standard one-quarter right turn for packer setting provides simple operation on the rig.
- The packer automatically returns to the run-in position when moved up the hole to enable circulation through and around it.



PR-3 Single-Grip Mechanical Production Packer

Specifications

Casing				Packer			
OD (in./mm)	Weight (lb/ft, kg/m)	Minimum ID (in./mm)	Maximum OD (in./mm)	Minimum ID (in./mm)	Maximum Gauge Ring OD (in./mm)	Box-Up, Pin-Down Thread Connection (in.)	Product
4-1/2 114.3	9.5 to 13.5 14.1 to 20.1	3.920 99.57	4.090 103.89	1.92 48.8	3.771 95.78	2-3/8 EU ¹ 8 RD ²	43RS.1001
5 127.0	11.5 to 15.0 17.1 to 22.3	4.408 111.96	4.560 115.82	1.92 48.8	4.250 107.95	2-3/8 EU 8 RD	43RS.1006
	15.0 to 18.0 22.3 to 26.8	4.276 108.61	4.408 111.96		4.125 104.78		43RS.1003
5-1/2 139.7	13.0 to 15.5 19.3 to 23.1	4.950 125.73	5.044 128.12	1.93 49.0	4.781 121.44	2-3/8 EU 8 RD	45RS.1005
				2.37 60.2		2-7/8 EU 8 RD	45RSL.1002
	17.0 to 20.0 25.3 to 29.8	4.778 121.36	4.892 124.26	1.93 49.0	4.641 117.88	2-3/8 EU 8 RD	45RS.1003
				2.37 60.2		2-7/8 EU 8 RD	45RSL.1001
	20.0 to 23.0 29.8 to 34.2	4.670 118.62	4.778 121.36	1.93 49.0	4.500 114.30	2-3/8 EU 8 RD	45RS.1001
5-3/4 146.1	22.5 33.5	4.990 126.75		1.93 49.0	4.781 121.44	2-3/8 EU 8 RD	45RS.1005
				2.37 60.2		2-7/8 EU 8 RD	45RSL.1002
6 152.4	26.0 38.7	5.132 130.35		1.93 49.0	4.781 121.44	2-3/8 EU 8 RD	45RS.1005
				2.37 60.2		2-7/8 EU 8 RD	45RSL.1002
6-5/8 168.3	17.0 to 20.0 25.3 to 29.8	6.049 153.64	6.135 155.83	2.37 60.2	5.812 147.62	2-7/8 EU 8 RD	47RS.1002
	24.0 35.7	5.921 150.39			5.656 143.66		47RS.1001

¹External upset

²Round

PR-3 Single-Grip Mechanical Production Packer

Specifications (continued)

Casing				Packer			
OD (in./mm)	Weight (lb/ft, kg/m)	Minimum ID (in./mm)	Maximum OD (in./mm)	Minimum ID (in./mm)	Maximum Gauge Ring OD (in./mm)	Box-Up, Pin-Down Thread Connection (in.)	Product
7 177.8	17.0 to 20.0 25.3 to 29.8	6.456 163.98	6.538 166.07	2.37 60.2	6.281 159.54	2-7/8 EU ¹ 8 RD ²	47RS.1005
	20.0 to 26.0 29.8 to 38.7	6.276 159.41	6.456 163.98		6.078 154.38		47RS.1004
	26.0 to 29.0 38.7 to 43.2	6.184 157.07	6.276 159.41		5.968 151.59		47RS.1003
	32.0 to 35.0 47.6 to 52.1	6.004 152.50	6.094 154.79		5.812 147.62		47RS.1002
	38.0 56.6	5.920 150.37			5.656 143.66		47RS.1001
7-5/8 193.7	20.0 to 24.0 29.8 to 35.7	7.025 178.44	7.125 180.98	2.37 60.2	6.812 173.02	2-7/8 EU 8 RD	47RS.1008
	24.0 to 29.7 35.7 to 44.2	6.875 174.63	7.025 178.44		6.672 169.47		47RS.1007
	33.7 to 39.0 50.2 to 58.0	6.625 168.28	6.765 171.83		6.453 163.91		47RS.1006
9-5/8 244.5	29.3 to 36.0 43.6 to 53.6	8.921 226.59	9.063 230.20	3.94 100.1	8.593 218.26	3-1/2 EU 8 RD	51RS.1006
	40.0 to 47.0 59.5 to 69.9	8.681 220.50	8.835 224.41		8.437 214.30		51RS.1003
	47.0 to 53.5 69.9 to 79.6	8.535 216.79	8.681 220.50		8.218 208.74		51RS.1001

¹External upset

²Round

Options

- The packer is available with an optional left turn for setting.

For internal use

Link to Endeca assembly part numbers: [PR-3 Slip Grip Mechanical Packer](#)