



PR-3 Double-Grip Mechanical Production Packer

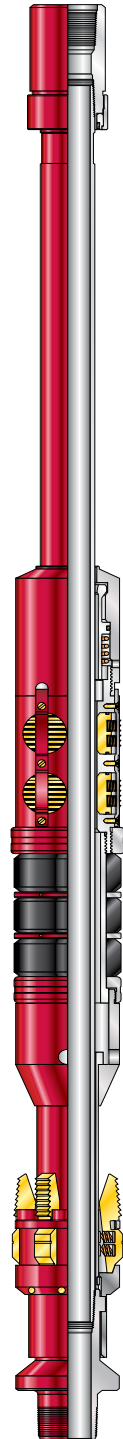
Weatherford's PR-3 double-grip mechanical production packer is a retrievable packer set by compression that isolates the annulus from the production conduit in most production, stimulation, and testing operations. The field-proven design includes rocker slips and a three-element packing system that helps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

Applications

- Injection
- Pumping
- 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.
- A differential lock helps to keep the bypass to the mandrel closed and locked during high-pressure operations to maintain integrity and prevent production loss and the need for a workover to pull out of the hole and redress the packer.
- The long-stroke mandrel simplifies fluid circulation without packer release.
- The packer automatically returns to the run-in position when moved up the hole to enable circulation through and around it.





PR-3 Double-Grip Mechanical Production Packer

Specifications

Casing				Packer		
OD (in./mm)	Weight (lb/ft, kg/m)	ID (in./mm)		Gauge Ring OD (in./mm)	Thread Connection (in.)	Product
		Minimum	Maximum			
4-1/2 114.3	9.5 to 13.5 14.1 to 20.1	3.920 99.57	4.090 103.89	3.771 95.78	2-3/8 EU ¹ 8 RD ²	43RD.1001
5 127.0	15.0 to 18.0 22.3 to 26.8	4.250 107.95	4.408 111.96	4.125 104.78	2-3/8 EU 8 RD	43RD.1003
	11.5 to 15.0 17.1 to 22.3	4.408 111.96	4.560 115.82	4.250 107.95		43RD.1005
5-1/2 139.7	20.0 to 23.0 29.8 to 34.2	4.670 118.62	4.778 121.36	4.500 114.30	2-3/8 EU 8 RD	45RD.1001
	15.5 to 20.0 23.1 to 29.8	4.778 121.36	4.950 125.73	4.641 117.88		45RD.1003
	13.0 to 15.5 19.3 to 23.1	4.950 125.73	5.044 128.12	4.781 121.44		45RD.1005
	20.0 to 23.0 29.8 to 34.2	4.670 118.62	4.778 121.36	4.500 114.30	2-7/8 EU 8 RD	45RDL.1003
	15.0 to 20.0 22.3 to 29.8	4.778 121.36	4.974 126.34	4.641 117.88		45RDL.1001
	13.0 to 15.5 19.3 to 23.1	4.950 125.73	5.044 128.12	4.781 121.44		45RDL.1002
5-3/4 146.1	22.5 33.5	4.950 125.73	5.190 131.83	4.781 121.44	2-3/8 EU 8 RD	45RD.1005
6 152.4	26.0 38.7	4.893 124.28	5.044 128.12	4.781 121.44	2-7/8 EU 8 RD	45RDL.1002
		4.950 125.73	5.190 131.83		2-3/8 EU 8 RD	45RD.1005
	20.0 to 23.0 29.8 to 34.2	5.240 133.10	5.352 135.94	5.062 128.57	2-3/8 EU 8 RD	60RD.1002
	15.0 to 18.0 22.3 to 26.8	5.424 137.77	5.524 140.31	5.156 130.96	2-3/8 EU 8 RD	60RD.1001
6-5/8 168.3	28.0 to 32.0 41.7 to 47.6	5.675 144.15	5.791 147.09	5.490 139.45	2-3/8 EU 8 RD	46RD.1002
	24.0 to 28.0 35.7 to 41.7	5.791 147.09	5.921 150.39		2-3/8 EU 8 RD	46RD.1001
	24.0 35.7	5.830 148.08	5.937 150.80	5.656 143.66	2-7/8 EU 8 RD	47RD.1001
	17.0 to 20.0 25.3 to 29.8	6.456 163.98	6.538 166.07	5.812 147.62		47RD.1002

¹External upset
²Round



PR-3 Double-Grip Mechanical Production Packer

Specifications (continued)

Casing				Packer		
OD (in./mm)	Weight (lb/ft, kg/m)	ID (in./mm)		Gauge Ring OD (in./mm)	Thread Connection (in.)	Product
		Minimum	Maximum			
7 177.8	38.0 56.6	5.830 148.08	5.937 150.80	5.656 143.66	2-7/8 EU ¹ 8 RD ²	47RD.1001
	32.0 to 35.0 47.6 to 52.1	6.004 152.50	6.094 154.79	5.812 147.62		47RD.1002
	26.0 to 29.0 38.7 to 43.2	6.184 157.07	6.276 159.41	5.968 151.59		3-1/2 EU 8 RD
	20.0 to 26.0 29.8 to 38.7	6.276 159.41	6.456 163.98	6.078 154.38	2-7/8 EU 8 RD	47RD.1004
	17.0 to 20.0 25.3 to 29.8	6.456 163.98	6.538 166.07	6.266 159.16		47RD.1005
	7-5/8 193.7	33.7 to 39.0 50.2 to 58.0	6.625 168.28	6.765 171.83	6.453 163.91	2-7/8 EU 8 RD
24.0 to 29.7 35.7 to 44.2		6.875 174.63	7.025 178.44	6.672 169.47	47RD.1007	
20.0 to 24.0 29.8 to 35.7		7.025 178.44	7.125 180.98	6.812 173.02	47RD.1008	
9-5/8 244.5	47.0 to 53.5 69.9 to 79.6	8.535 216.79	8.681 220.50	8.218 208.74	3-1/2 EU 8 RD	51RD.1002
	40.0 to 47.0 59.5 to 69.9	8.681 220.50	8.835 224.41	8.437 214.30		51RD.1004
	29.3 to 36.0 43.6 to 53.6	8.921 226.59	9.063 230.20	8.593 218.26		51RD.1006

¹External upset

²Round

Options

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