

PFH and PFHL Hydraulic/Hydrostatic Packers

Reduce the amount of required surface pressure for setting and provide additional pack-off force

Applications

- Deviated wells
- Onshore or offshore completions
- Multiple-zone selective completions

Features and Benefits

- The setting and straight-pull release of the hydraulic packer are achieved without tubing rotation, which simplifies deployment and retrieval in deviated and flanged wells.
- Setting the packer with hydrostatic pressure reduces the applied surface pressure, which lowers rig costs.
- The soft, center element in the packing system packs off first. The two hard, end elements back up the center and enhance reliability.

Tool Description

The Weatherford PFH and PFHL packers are hydraulically set, single-string packers that use hydrostatic pressure to provide additional pack-off force in the setting mechanism to isolate the annulus from the production conduit. The hydrostatic pressure reduces the amount of surface pressure required for setting.

The packers require no downward mandrel movement for setting, which enables reliable, simultaneous setting in stacked-packer installations. The start-to-set shear screws can be adjusted to set multiple packers sequentially.



The Weatherford PFHL packer has the same features as the PFH and has a larger bore.



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Specifications

Casing				Packer			
OD	Weight	ID		Maximum OD	Minimum ID	Standard Thread Connection	Product Number
		Minimum	Maximum				
4.500 in. 114.30 mm	9.5 to 13.5 lb/ft 14.1 to 20.1 kg/m	3.920 in. 99.57 mm	4.090 in. 103.89 mm	3.771 in. 95.78 mm	1.930 in. 49.02 mm	2-3/8 in. EU 8 RD	880574 43FH.1001
5.000 in. 127.00 mm	11.5 to 15.0 lb/ft 17.1 to 22.3 kg/m	4.408 in. 111.96 mm	4.560 in. 115.82 mm	4.250 in. 107.95 mm	1.930 in. 49.02 mm	2-3/8 in. EU 8 RD	881009 43FH.1002
	15.0 to 18.0 lb/ft 22.3 to 26.8 kg/m	4.276 in. 108.61 mm	4.408 in. 111.96 mm	4.125 in. 104.78 mm			881013 43FH.1003
5.500 in. 139.70 mm	13.0 to 15.5 lb/ft 19.3 to 23.1 kg/m	4.950 in. 125.73 mm	5.044 in. 128.12 mm	4.781 in. 121.44 mm	1.980 in. 50.29 mm	2-3/8 in. EU 8 RD	45PFH.1003
	25.5 to 20.0 lb/ft 23.1 to 29.8 kg/m	4.778 in. 121.36 mm	4.950 in. 125.73 mm	4.641 in. 117.88 mm			170240 45PFH.1002
	20.0 to 23.0 lb/ft 29.8 to 34.2 kg/m	4.670 in. 118.62 mm	4.778 in. 121.36 mm	4.500 in. 114.30 mm			170349 45PFH.1001
6.000 in. 152.40 mm	26.0 lb/ft 28.7 kg/m	4.950 in. 125.73 mm	5.044 in. 128.12 mm	4.781 in. 121.44 mm	1.980 in. 50.29 mm	2-3/8 in. EUE 8 RD	45PFH.1003
6.625 in. 168.30 mm	17.0 to 20.0 lb/ft 25.3 to 29.8 kg/m	6.049 in. 153.64 mm	6.135 in. 155.83 mm	5.812 in. 147.62 mm	2.360 in. 59.94 mm	2-7/8 in. EUE 8 RD	142542 47PFH.1002
	24.0 lb/ft 35.7 kg/m	5.830 in. 148.08 mm	5.937 in. 150.80 mm	5.656 in. 143.66 mm			172453 47PFH.1001
7.000 in. 177.80 mm	20.0 to 26.0 lb/ft 29.8 to 38.7 kg/m	6.276 in. 159.41 mm	6.456 in. 163.98 mm	6.078 in. 154.38 mm	2.360 in. 59.94 mm	2-7/8 in. EUE 8 RD	170865 47PFH.1004
	26.0 to 29.0 lb/ft 38.7 to 43.2 kg/m	6.184 in. 157.07 mm	6.276 in. 159.41 mm	5.968 in. 151.59 mm			170330 47PFH.1003
					2.919 in. 74.14 mm	3-1/2 in. EUE 8 RD	170532 47PFHL.1001
					2.360 in. 59.94 mm	2-7/8 in. EUE 8 RD	142542 47PFH.1002
	38.0 lb/ft 56.6 kg/m	5.830 in. 148.08 mm	5.937 in. 150.80 mm	5.656 in. 143.66 mm			172453 47PFH.1001
7.625 in. 193.70 mm	24.0 to 29.7 lb/ft 35.7 to 44.2 kg/m	6.875 in. 174.63 mm	7.025 in. 178.44 mm	6.672 in. 169.47 mm	2.360 in. 59.94 mm	2-7/8 in. EUE 8 RD	170571 47PFH.1007
	33.7 to 39.0 lb/ft 50.2 to 58.0 kg/m	6.625 in. 168.28 mm	6.765 in. 171.83 mm	6.453 in. 163.91 mm			170859 47PFH.1006

* The PFH packer is available with an optional rotational release.

