



Weatherford®

Packer Systems

HD Compression-Set Retrievable Service Packer

Weatherford's HD compression-set retrievable service packer isolates the annulus from the production conduit for general service. The packer can be run with a mechanically set bridge plug to straddle intervals.

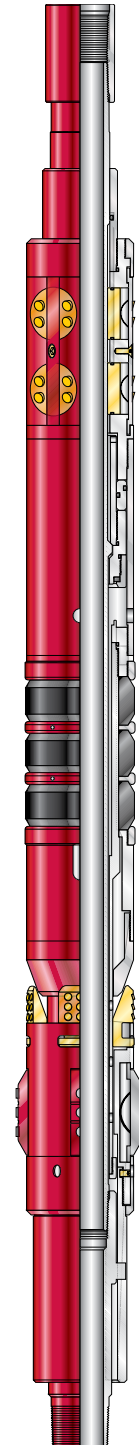
The internal bypass provides circulation around the packer and faster trips with less swabbing. Hydraulically operated upper hold-down buttons anchor the packer against high differential pressure from below. Backup rings on all O-rings provide reliable sealing at high temperatures and pressures. An internal unloader enables circulation below the buttons, easing packer retrieval.

Applications

- General service
- Squeeze cementing
- Testing and treating
- Cased-hole production testing

Features, Advantages and Benefits

- The carbide slip and buttons improve durability and enable setting in high-grade casing.
- A one-quarter turn sets the packer, and a pickup unsets it, simplifying operation on the rig.
- The large-diameter hold-down buttons help protect against casing damage.
- The heavy-duty mandrel supports high hang-off weights, and its full bore enables the easy passage of wireline tools and maximum pump rates.





HD Compression-Set Retrievable Service Packer

Specifications

Casing				Packer ¹			
OD (in./mm)	Weight (lb/ft, kg/m)	ID (in./mm)		Maximum OD (in./mm)	Minimum ID (in./mm)	Standard Thread Connection (in.)	Product
		Minimum	Maximum				
4 101.6	9.5 to 11.0 14.1 to 16.4	3.476 88.29	3.548 90.12	3.318 84.28	1.485 37.72	1.900 EU ² 10 RD ³	613-40-0C0
4-1/2 114.3	9.5 to 13.5 14.1 to 20.1	3.920 99.57	4.090 103.89	3.755 95.38	1.485 37.72	2-3/8 EU 8 RD	613-45-0C0
5 127.0	11.5 to 15.0 17.1 to 22.3	4.408 111.96	4.560 115.82	4.130 104.90	1.860 47.24	2-3/8 EU 8 RD	613-50-0C0
5-1/2 139.7	14.0 to 17.0 20.8 to 25.3	4.892 124.26	5.012 101.90	4.630 117.60	1.923 48.84	2-3/8 EU 8 RD	613-55-0C0
	20.0 to 23.0 29.8 to 34.2	4.670 118.62	4.778 121.36	4.505 114.43			613-57-0C0
6-5/8 168.3	28.0 to 35.0 41.7 to 52.1	5.595 142.11	5.791 147.09	5.380 136.65	2.485 63.12	2-7/8 EU 8 RD	613-67-0C0
7 177.8	17.0 to 26.0 25.3 to 38.7	6.276 159.41	6.538 166.07	6.125 155.58	2.485 63.12	2-7/8 EU 8 RD	613-72-0C0
	26.0 to 32.0 38.7 to 47.6	6.094 154.79	6.276 159.41	5.880 149.35			613-70-0C0
7-5/8 193.7	24.0 to 29.7 35.7 to 44.2	6.875 174.63	7.025 178.44	6.693 170.00	2.485 63.12	2-7/8 EU 8 RD	613-76-0C0
	33.7 to 39.0 50.2 to 58.0	6.625 168.28	6.765 171.83	6.458 164.03			613-75-0C0
9-5/8 244.5	43.5 to 53.5 64.7 to 79.6	8.535 216.79	8.755 222.38	8.255 209.68	3.985 101.22	4-1/2 EU 8 RD	613-95-0C0

¹The standard packer has carbide slips, a right-turn set automatic release jay, and 90-70-90 nitrile elastomers.

²External upset

³Round

Options

- The packer is available with a left-turn set automatic release jay and other elastomers for hostile environments.