

# Hydrow I Hydraulic Production Packer

Isolates the annulus from the production conduit in flanged wells, deviated wellbores, gas lift installation, and other completions unsuitable for mechanically set packers

## Applications

- Highly deviated wells and doglegs
- Stacked-packer completions
- Coiled-tubing completions
- Offshore oil and gas completions

## Features and Benefits

- The straight-pull, shear-release pins are unaffected by differential pressure, which enables easy changes to the release force before running.
- All components are locked to prevent pressure buildup or debris from presetting the packer while it is being run in the wellbore.
- The pressure-balance system offsets pressure differentials across the packer, which enables the packing element to maintain an effective seal.
- The double-grip system enables the packer to hold differential pressures securely from above and below, thus preventing packing-element movement and providing proper packoff.

## Tool Description

The Weatherford Hydrow I hydraulic production packer is a high-pressure, double-grip, retrievable packer that isolates the annulus from the production conduit in flanged wells, deviated wellbores, gas-lift installations, and other completions unsuitable for a mechanically set packer. The built-in, zone-activated, pressure-balance system offsets pressure differentials across the packer, which makes it an excellent tool for stacked-packer installations.

A straight tubing-string pull releases the packer. The patented upper-slip releasing system has a key nondirectional slip that can be dislocated to release the other slips automatically. The system reduces the strain required for slip and packer release.



Weatherford Hydrow I hydraulic production packer



# Hydrow I Hydraulic Production Packer

## 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	3.766 in. 95.66 mm	1.938 in. 49.23 mm	2-3/8 EU 8RD	00168637 650-45
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	4.255 in. 108.08 mm	1.938 in. 49.23 mm	2-3/8 EU 8RD	00166231 650-50
	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	4.140 in. 105.16 mm			00166139 650-52
5.500 in. 139.70 mm	9.0 to 13.0 lb/ft 13.4 to 19.3 kg/m	5.044 in. 128.12 mm	5.192 in. 131.88 mm	4.875 in. 123.85 mm	1.938 in. 49.23 mm	2-3/8 EU 8RD	01329158 650-54
	13.0 to 20.0 lb/ft 19.3 to 29.8 kg/m	4.778 in. 121.36 mm	5.044 in. 128.12 mm	4.640 in. 117.86 mm	1.938 in. 49.23 mm		00166389 650-55
	15.5 to 20.0 lb/ft 23.1 to 29.8 kg/m		4.950 in. 125.73 mm		1.885 in. 47.12 mm	2-3/8, 5.8 lb, TSH Blue® series	01992151
	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	4.510 in. 114.55 mm	1.938 in. 49.23 mm	2-3/8 EU 8RD	00166509 650-57
5.750 in. 146.10 mm	18.6 to 25.0 lb/ft 27.7 to 37.2 kg/m	4.882 in. 124.00 mm	5.118 in. 130.00 mm	4.641 in. 117.88 mm	1.984 in. 49.23 mm	2-3/8 EU 8RD	00169789 650-55A-000
6.000 in. 152.40 mm	23.0 to 26.0 lb/ft 34.2 to 38.7 kg/m	5.132 in. 130.35 mm	5.240 in. 133.10 mm	4.875 in. 123.85 mm	1.938 in. 49.23 mm	2-3/8 EU 8RD	01329168 650-54
6.625 in. 168.30 mm	17.0 to 24.0 lb/ft 25.3 to 38.7 kg/m	5.921 in. 150.39 mm	6.135 in. 155.83 mm	5.781 in. 146.84 mm	2.970 in. 75.44 mm	3-1/2 EU 8RD	01333576 650-66
	20.0 to 24.0 lb/ft 29.8 to 35.7 kg/m	5.675 in. 144.15 mm	6.049 in. 153.64 mm	5.750 in. 146.05 mm	2.439 in. 61.95 mm	2-7/8 EU 8RD	00174329 650-67
	24.0 to 32.0 lb/ft 35.7 to 47.6 kg/m		5.921 in. 150.39 mm	5.500 in. 139.70 mm	2.439 in. 61.95 mm		00233945 650-65

\* Blue® is a registered trademark of Tenaris Connections B.V. COMPANY NETHERLANDS.



## Specifications

Casing				Packer			
OD	Weight	ID		Maximum OD	Minimum ID	Standard Thread Connection	Product Number
		Minimum	Maximum				
7.000 in. 177.80 mm	17.0 to 29.0 lb/ft 25.3 to 43.2 kg/m	6.184 in. 157.07 mm	6.538 in. 166.07 mm	6.010 in. 152.65 mm	2.439 in. 61.95 mm	2-7/8 EU 8RD	00168630 650-72
					2.906 in. 73.81 mm	3-1/2 EU 8RD	00166479 650-74
7.000 in. 177.80 mm	26.0 to 32.0 lb/ft 38.7 to 47.6 kg/m	6.094 in. 154.79 mm	6.276 in. 159.41 mm	5.890 in. 149.61 mm	2.439 in. 61.95 mm	2-7/8 EU 8RD	00166199 650-70
					2.906 in. 73.81 mm	3-1/2 EU 8RD	00169062 650-73
	32.0 to 38.0 lb/ft 47.6 to 56.5 kg/m	5.920 in. 150.37 mm	6.094 in. 154.79 mm	5.781 in. 146.84 mm	2.938 in. 74.63 mm	3-1/2, 9.3 lb, VAM TOP®	01167251
7.625 in. 193.70 mm	20.0 to 33.7 lb/ft 29.8 to 50.2 kg/m	6.765 in. 171.83 mm	7.125 in. 180.98 mm	6.630 in. 168.40 mm	2.485 in. 63.12 mm	2-7/8 EU 8RD	00142105 650-76-000
					2.985 in. 75.82 mm	3-1/2 EU 8RD	00166095 650-78
	29.7 to 39.0 lb/ft 44.2 to 58.0 kg/m	6.625 in. 168.28 mm	6.875 in. 174.63 mm	6.458 in. 164.03 mm	2.485 in. 63.12 mm	2-7/8 EU 8RD	00166193 650-75-000
					2.985 in. 75.82 mm	3-1/2 EU 8RD	00168747 650-77
8.625 in. 219.10 mm	28.0 to 40.0 lb/ft 41.7 to 59.5 kg/m	7.725 in. 196.22 mm	8.017 in. 203.63 mm	7.536 in. 191.41 mm	2.985 in. 75.82 mm	3-1/2 EU 8RD	00230854 650-85
9.625 in. 244.50 mm	29.3 to 43.5 lb/ft 43.6 to 64.7 kg/m	8.755 in. 222.38 mm	9.063 in. 230.20 mm	8.510 in. 216.31 mm	2.985 in. 75.82 mm	3-1/2 EU 8RD	00174212 650-96
	40.0 to 53.5 lb/ft 59.5 to 79.6 kg/m	8.535 in. 216.79 mm	8.835 in. 224.41 mm	8.260 in. 209.80 mm			00166178 650-95
	43.5 to 53.5 lb/ft 64.7 to 79.6 kg/m		8.766 in. 222.38 mm		3.937 in. 100.00 mm	4-1/2 EU 8RD	00168626 650-97
10.750 in. 273.10 mm	45.5 to 55.5 lb/ft 67.7 to 82.6 kg/m	9.760 in. 247.90 mm	9.950 in. 252.73 mm	9.500 in. 241.30 mm	2.990 in. 75.95 mm	3-1/2 EU 8RD	01374443 650-10A-000

\* VAM Top is a registered trademark of Vallourec Mannesmann Oil & Gas France Corporation.



## Specifications

Casing				Packer			
OD	Weight	ID		Maximum OD	Minimum ID	Standard Thread Connection	Product Number
		Minimum	Maximum				
10.750 in. 273.10 mm	60.7 to 71.1 lb/ft 90.3 to 105.8 kg/m	9.450 in. 240.03 mm	9.660 in. 245.36 mm	9.200 in. 233.68 mm	2.990 in. 75.95 mm	3-1/2 EU 8RD	00825833
						4-1/2 EU 8RD	01732479
					4.875 in. 123.83 mm	5-1/2, 17-lb BTC	00233258
13.375 in. 339.70 mm	48.0 to 68.0 lb/ft 71.4 to 101.2 kg/m	12.415 in. 315.34 mm	12.715 in. 322.96 mm	12.200 in. 309.88 mm	4.683 in. 118.95 mm	5-1/2, 17-lb Tenaris® MS	00177634
	68.0 to 72.0 lb/ft 101.2 to 107.1 mm	12.347 in. 313.61 mm	12.415 in. 315.34 mm	11.875 in. 301.63 mm		3-1/2 EU 8RD	00173387 745-13B-000

## Options

The packer can be converted to be set and tested selectively in stacked-packer completions.

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