

# NHP-6 Hydraulic Production Packer

The NHP-6 Hydraulic Production Packer is a retrievable hydraulic set packer used for oil and gas production and injection applications. The packer features no downward mandrel movement during setting making it ideal for stacked packer applications. The NHP-6 may be used below dual string packer applications as the anchor packer.

The NHP-6 is ideal for use in deviated wells, multiple packer completions and applications where it is desirable to set the packer (s) after the well is flanged up. The packer may be run in applications using gas lift mandrels and safety valves where tubing rotation is not desirable. The packer may also be run in applications where compensating equipment such as tubing seal receptacles, PBR's and expansion joints are required. Contact NOV Applications Engineer when running multiple NHP-6 Packers for additional equipment recommendations.

The NHP-6 is released by straight pull on the tubing to shear release. Premium threads available on request.



## Features and benefits

- No mandrel movement during setting
- Adjustable straight pull shear release
- Minimum number of internal elastomeric seals for increased reliability
- Elastomer and metallurgical option available for hostile environments
- Packer may be set after well is flanged up
- No rotation required to set or release the packer
- Multi-Durometer three-piece element system
- All components locked to prevent presets

## Applications

- Production
- Injection
- Multiple zone isolation applications
- Offshore completions with safety valves, gas lift mandrels
- Zonal isolation

## NHP-6 Hydraulic Production Packer Specifications

### Technical data

Casing		Packer				
Size (in./mm)	Weight range (lb/ft _ kg/m)	Pressure rating (psi/bar)	Minimum I.D. (in./mm)	Maximum O.D. (in./mm)	Connection box up/ Pin down	Product number
4.000 101,60	9.50 - 13.5 14,14 - 20,09	7,500 517,11	1.610 40,89	3.328 84,53	1.900 in. EU 10 RD	20-335-1940
	9.50 14,14	7,500 517,11	1.938 49,23	3.420 86,87	2.375 in. EU 8 RD	20-335-2340
4.500 114,30	9.50 - 13.5 14,14 - 20,09	7,500 517,11	1.938 49,23	3.700 93,98	2.375 in. EU 8 RD	20-335-2344
	9.50 - 13.5 14,14 - 20,09	7,500 517,11	1.938 49,23	3.771 95,78	2.375 in. EU 8 RD	20-335-2345
5.000 127,00	20.8 30,95	7,500 517,11	1.938 49,23	3.917 99,49	2.375 in. EU 8 RD	20-335-2349
	15.0 - 18.0 22,32 - 26,78	7,500 517,11	1.938 49,23	4.125 104,78	2.375 in. EU 8 RD	20-335-2350
	11.5 - 13.0 17,11 - 19,34	7,500 517,11	1.938 49,23	4.250 107,95	2.375 in. EU 8 RD	20-335-2351
5.500 139,70	20.0 - 23.0 29,76 - 34,22	7,500 517,11	1.938 49,23	4.500 114,30	2.875 in. EU 8 RD	20-335-2355
	15.5 - 20.0 23,06 - 29,76	7,500 517,11	1.938 49,23	4.641 117,88	2.875 in. EU 8 RD	20-335-2356
	13.0 - 14.0 19,34 - 20,83	7,500 517,11	1.938 49,23	4.781 121,44	2.875 in. EU 8 RD	20-335-2357
	15.5 - 20.0 23,06 - 29,76	7,500 517,11	2.375 60,33	4.641 117,88	2.875 in. EU 8 RD	20-335-2756
	13.0 - 14.0 19,34 - 20,83	7,500 517,11	2.375 60,33	4.781 121,44	2.875 in. EU 8 RD	20-335-2757
5.750 146,05	17.0 - 19.5 25,30 - 29,02	7,500 517,11	2.375 60,33	4.950 125,73	2.875 in. EU 8 RD	20-335-2758
6.625 168,28	28.0 - 32.0 41,66 - 47,62	7,500 517,11	2.375 60,33	5.484 139,29	2.875 in. EU 8 RD	20-335-2766
	24.0 - 28.0 35,71 - 41,66	7,500 517,11	2.375 60,33	5.625 142,88	2.875 in. EU 8 RD	20-335-2767
7.000 177,80	32.0 - 35.0 47,62 - 52,08	7,500 517,11	2.500 63,50	5.812 147,62	2.875 in. EU 8 RD	20-335-2770
	26.0 - 29.0 38,69 - 43,15	7,500 517,11	2.500 63,50	5.958 151,33	2.875 in. EU 8 RD	20-335-2771
	20.0 - 26.0 29,76 - 38,69	7,500 517,11	2.500 63,50	6.078 154,38	2.875 in. EU 8 RD	20-335-2772
	17.0 - 20.0 25,30 - 29,76	7,500 517,11	2.500 63,50	6.266 159,16	2.875 in. EU 8 RD	20-335-2773

NOTE: Temperature rating dependent on durometer and material used.  
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Casing		Packer				
Size (in./mm)	Weight range (lb/ft _ kg/m)	Pressure rating (psi/bar)	Minimum I.D. (in./mm)	Maximum O.D. (in./mm)	Connection box up/ Pin down	Product number
7.000 177,80	32.0 - 35.0 47,62 - 52,08	7,500 517,11	3.000 76,20	5.812 147,62	3.500 in. EU 8 RD	20-335-3570
	26.0 - 29.0 38,69 - 43,15	7,500 517,11	3.000 76,20	5.958 151,33	3.500 in. EU 8 RD	20-335-3571
	20.0 - 26.0 29,76 - 38,69	7,500 517,11	3.000 76,20	6.078 154,38	3.500 in. EU 8 RD	20-335-3572
	17.0 - 20.0 25,30 - 29,76	7,500 517,11	3.000 76,20	6.266 159,16	3.500 in. EU 8 RD	20-335-3573
7.625 193,68	33.7 - 39.0 50,15 - 58,03	7,500 517,11	2.500 63,50	6.453 163,91	2.875 in. EU 8 RD	20-335-2775
	24.0 - 29.7 35,71 - 44,19	7,500 517,11	2.500 63,50	6.672 169,47	2.875 in. EU 8 RD	20-335-2776
	33.7 - 39.0 50,15 - 58,03	7,500 517,11	3.000 76,20	6.453 163,91	3.500 in. EU 8 RD	20-335-3575
	24.0 - 29.7 35,71 - 44,19	7,500 517,11	3.000 76,20	6.672 169,47	3.500 in. EU 8 RD	20-335-3576
8.625 219,08	44.0 - 49.0 65,47 - 72,91	6,000 413,69	3.000 76,20	7.312 185,72	3.500 in. EU 8 RD	20-335-3585
	32.0 - 40.0 47,62 - 59,52	6,000 413,69	3.000 76,20	7.531 191,29	3.500 in. EU 8 RD	20-335-3586
	29.0 - 35.0 43,15 - 52,08	6,000 413,69	3.000 76,20	7.856 199,54	3.500 in. EU 8 RD	20-335-3588
	20.0 - 28.0 29,76 - 41,66	6,000 413,69	3.000 76,20	7.781 197,64	3.500 in. EU 8 RD	20-335-3587
9.625 244,48	47.0 - 53.5 69,94 - 79,61	6,000 413,69	2.500 63,50	8.218 208,73	2.875 in. EU 8 RD	20-335-2795
	40.0 - 47.0 59,52 - 69,94	6,000 413,69	2.500 63,50	8.437 214,30	2.875 in. EU 8 RD	20-335-2796
	47.0 - 53.5 69,94 - 79,61	6,000 413,69	3.000 76,20	8.218 208,73	3.500 in. EU 8 RD	20-335-3595
	40.0 - 47.0 59,52 - 69,94	6,000 413,69	3.000 76,20	8.437 214,30	3.500 in. EU 8 RD	20-335-3596
	47.0 - 53.5 69,94 - 79,61	6,000 413,69	4.000 101,60	8.218 208,73	4.500 in. EU 8 RD	20-335-4595
	40.0 - 47.0 59,52 - 69,94	6,000 413,69	4.000 101,60	8.437 214,30	4.500 in. EU 8 RD	20-335-4596
	29.3 - 36.0 43,60 - 53,57	6,000 413,69	4.000 101,60	8.593 218,26	4.500 in. EU 8 RD	20-335-4597

NOTE: Temperature rating dependent on durometer and material used.  
Premium threads available on request.