

NLP Permanent Production Packer

The NLP Permanent Production Packer is a versatile permanent seal bore packer set on E-line using wireline adapter kit or hydraulic setting tool run on coiled or jointed tubing. This packer is suitable for applications where differential pressures may reach 10,000 psi. The anti-extrusion back-up rings expand to full casing I.D. to contain the packing element.

The one-piece slips combined with locked construction eliminate premature setting when running in the wellbore. The packer is suitable for standard H₂S service and available in optional material selections when ordered in advance. The threaded bottom of the NLP packer allows direct connection of tubing adapters, expendable plugs, millout subs, etc.

The NLP packer may be removed by milling over, then removed from the wellbore.

Features

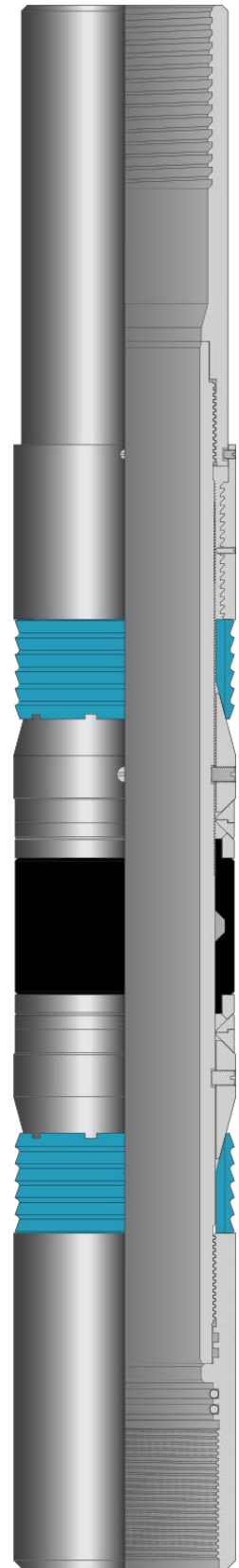
- Superior slip-element-slip design allows the packer to hold extreme forces and pressures above and below
- Can be set on E-line, hydraulic setting tool on coiled or jointed tubing
- One-piece slips eliminate premature setting
- Elastomer and metallurgical options available for hostile environments
- May be used as lower packer in dual zone completions

Benefits

- Differential force distributed evenly as possible of total 360° of casing I.D.
- Large bore I.D. for increased well flow
- Anti-extrusion back-up rings expanded to full casing I.D. to retain the packing element

Applications

- Production
- Injection
- Fracturing
- Testing



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Technical Data

CASING				PACKER			
SIZE in. (mm)	WEIGHT lb/kg	Min. in.(mm)	Max in.(mm)	Gauge O.D. In.(mm)	Seal Bore I.D. In.(mm)	Seal Assembly I.D. In. (mm)	Product Number
4.500 114,30	11.6 - 16.6 17,26 - 24,70	3.812 96,82	4.000 101,60	3.593 91,26	2.390 60,71	1.812 46,02	20-176-0450
	9.5 - 11.6 14,14 - 17,26	4.000 101,60	4.090 103,89	3.718 94,44	2.390 60,71	1.812 46,02	20-176-0460
5.500 139,70	17.0 - 23.0 25,30 - 34,22	4.670 118,62	4.892 124,26	4.437 112,70	3.000 76,20	2.375 60,33	20-176-0550
	13.0 - 17.0 19,34 - 25,30	4.892 124,26	5.044 128,12	4.562 115,87	3.000 76,20	2.375 60,33	20-176-0560
5.750 146,05	20.0 - 26.0 29,76 - 38,69	5.140 130,56	5.352 135,94	4.728 120,09	3.000 76,20	2.375 60,33	20-176-0600
	14.0 - 16.0 20,83 - 23,81	5.500 139,70	5.552 141,02	4.823 122,50	3.000 76,20	2.375 60,33	20-176-0610
6.625 168,28	20.0 - 24.0 29,76 - 35,71	5.921 150,39	6.049 153,64	5.687 144,45	4.000 101,60	3.000 76,20	20-176-0700
	26.0 - 29.0 38,69 - 43,15	6.184 157,07	6.276 159,41	5.875 149,23	4.000 101,60	3.000 76,20	20-176-0700
7.000 177,80	20.0 - 23.0 29,76 - 34,22	6.366 161,70	6.456 163,98	6.000 152,40	4.000 101,60	3.000 76,20	20-176-0710
	17.0 25,30	6.469 164,31	6.629 168,38	6.250 158,75	4.000 101,60	3.000 76,20	20-176-0720
7.625 193,68	29.7 - 39.0 44,19 - 58,03	6.625 168,28	6.875 174,63	6.250 158,75	4.000 101,60	3.000 76,20	20-176-0720
	24.0 - 33.7 35,71 - 50,15	6.875 174,63	7.025 178,44	6.500 165,10	4.000 101,60	3.000 76,20	20-176-0750
8.625 219,08	32.0 - 49.0 47,62 - 72,91	7.511 190,78	7.921 201,19	7.125 180,98	4.000 101,60	3.000 76,20	20-176-0850
	24.0 -36.0 35,71 - 53,57	7.825 198,76	8.097 205,66	7.500 190,50	4.000 101,60	3.000 76,20	20-176-0860
9.625 244,48	40.0 - 53.5 59,52 - 79,61	8.535 216,79	8.835 224,41	8.218 208,74	6.000 152,40	4.875 123,83	20-176-0950
	36.0 - 43.5 53,57 - 64,73	8.755 222,38	8.921 226,59	8.500 215,90	6.000 152,40	4.875 123,83	20-176-0960