

NSTP Straddle Packer

The NSTP Straddle Packer is an integral packer type selective tool used to isolate a pre-determined length of perforations for stimulation or testing purposes. The packer is available with spacing from 19.680" (0.5 m) to 118.00" (3 m). The packer is designed with two sets of three packing elements and a large automatic equalizing system. The NSTP uses button type hydraulic hold down to keep the packer set under high pressure differentials.

A wireline retrievable blanking bar is used to blank off the tubing below the tool. A wireline blanking plug may be used in place of the blanking bar.

Operation

The NSTP is run in the wellbore with the by-pass valve open to a position above or below the perforations. The tubing is rotated to the left to close the by-pass valve and set the slips. The required tubing weight is slacked off on the assembly to pack-off the elements. The assembly is pressure tested in blank casing.

The NSTP is released by straight pick-up on the tubing, rotating to the right to open the circulating valve and lock the slips in the running position.

The tool may now be moved to first interval to be treated or tested. If using a fluid control valve, it is dropped at this time. If necessary, the by-pass valve may be opened to circulate fluid to the packer. If the packer is being used for selective acidizing, it is recommended to start at the bottom zone.

To move to the next zone, straight pick-up of the tubing releases the packer. Pick-up to the next zone, slack off tubing weight to reset the packer.

Features

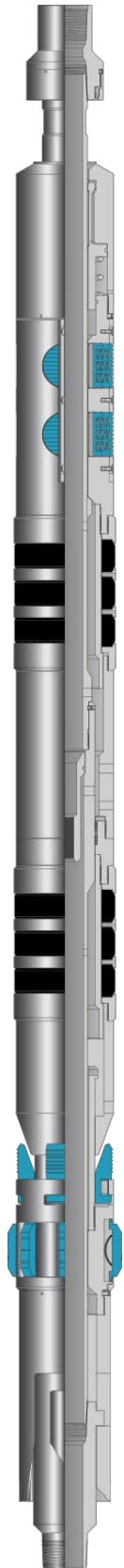
- Rotation to left to close by-pass and set tool, Right-hand to open by-pass, straight pick-up to unset packer
- Two sets of three packing elements for secure pack-off
- Hydraulic hold down to hold secure in high-pressure differentials

Benefits

- Multiple sets in single trip
- Treating or testing of individual zones
- Straight pick-up to release

Applications

- Testing
- Acidizing



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Technical Data

CASING				PACKER			
SIZE in. (mm)	WEIGHT lb/kg	Min. in.(mm)	Max in.(mm)	Gauge O.D.	Min. I.D. In.(mm)	Standard Connection	Product Number
4.500 114,30	9.5 - 13.5 14,14 - 20,09	3.920 99,57	4.090 103,89	3.880 98,55	1.940 49,28	2.375" EU 8 RD	10-162-0450
5.000 127,00	15.0 - 18.0 22,32 - 26,78	4.276 108,61	4.408 111,96	4.062 103,17	1.940 49,28	2.375" EU 8 RD	10-162-0500
	11.5 - 15.0 17,11 - 22,32	4.408 111,96	4.560 115,82	4.250 107,95	1.940 49,28	2.375" EU 8 RD	10-162-0510
5.500 139,70	23.0 - 26.0 34,22 - 38,69	4.548 115,52	4.670 118,62	4.250 107,95	1.940 49,28	2.375" EU 8 RD	10-162-0510
	17.0 - 20.0 25,30 - 29,76	4.778 121,36	4.892 124,26	4.500 114,30	1.940 49,28	2.875" EU 8 RD	10-162-0550
	15.5 - 17.0 23,06 - 29,76	4.892 124,26	4.950 125,73	4.641 117,88	1.940 49,28	2.875" EU 8 RD	10-162-0560
	13.0 - 15.5 19,34 - 23,06	4.950 125,73	5.044 128,12	4.728 120,09	1.940 49,28	2.875" EU 8 RD	10-162-0570
6.625 168,28	28.0 - 32.0 41,66 - 47,62	5.675 144,15	5.791 147,09	5.560 141,22	2.250 57,15	2.875" EU 8 RD	10-162-0650
	20.0 - 24.0 29,76 - 35,71	5.921 150,39	6.049 153,64	5.658 143,71	2.250 57,15	2.875" EU 8 RD	10-162-0660
7.000 177,80	35.0 - 38.0 52,08 - 56,54	5.920 150,37	6.004 152,50	5.658 143,71	2.250 57,15	2.875" EU 8 RD	10-162-0660
	29.0 - 32.0 43,15 - 47,62	6.094 154,79	6.184 157,07	5.875 149,23	2.250 57,15	2.875" EU 8 RD	10-162-0700
	23.0 - 26.0 34,22 - 38,69	6.276 159,41	6.366 161,70	6.023 152,98	2.250 57,15	2.875" EU 8 RD	10-162-0710
	17.0 - 20.0 25,30 - 29,76	6.456 163,98	6.538 166,07	6.230 158,24	2.250 57,15	2.875" EU 8 RD	10-162-0720
	47.0 - 53.5 69,94 - 79,61	8.535 216,79	8.681 220,50	8.285 210,44	3.000 76,20	3.500" EU 8 RD	10-162-0950
9.625 244,48	32.3 - 43.5 48,06 - 64,73	8.755 222,38	9.001 228,63	8.500 215,90	3.000 76,20	3.500" EU 8 RD	10-162-0960
	72.0 - 85.0 107,14 - 126,48	12.159 308,84	12.347 313,61	11.750 298,45	3.960 100,58	4.500" EU 8 RD	10-162-1350
13.375 339,73	48.0 - 68.0 71,42 - 101,18	12.415 315,34	12.715 322,96	12.120 307,85	3.960 100,58	4.500" EU 8 RD	10-162-1360