

NC-1 Compression Packer

The NC-1 Compression Packer is a compression set, single-grip, retrievable production packer. The packer is suited for applications where a pressure differential from the annulus is expected. The NC-1 incorporates a safety release method to insure retrievability utilizing standard shear screws. The shear value of 2,000-lb. (2265-daN) per screw are easily adjustable in the field. Weight set down on the packer above shear value will shear screws allowing the packer to move down-hole. The packer may be converted to non-shear by adding a spacer sleeve on the mandrel between shear ring and top sub. Spacer ring shown on drawing.

The NC-1 Compression Packer is right-hand set, straight pick-up release packer. At setting depth, make last movement up, then rotate tubing to the right at the packer and set down weight to set the packer. To release, move the tubing up hole and the packer will automatically re-jay to run position for retrieval or re-set.

Features

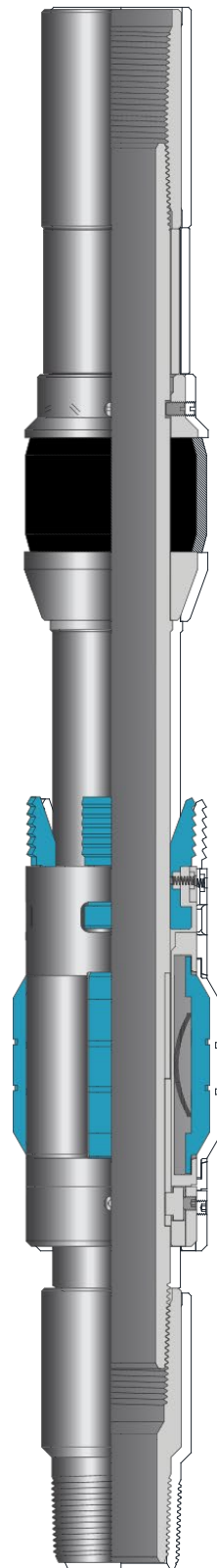
- Right-hand set, straight pick-up to release
- Compression set
- May be converted to non-shear by adding sleeve between the shear ring and top sub.

Benefits

- Simple quarter turn to set
- Economical.
- No rotation required to release

Applications

- Low pressure production
- Injection
- Disposal wells



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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)	Min. I.D. In. (mm)	Connection	NC-1 Packer
2.875 73,03	6.4 - 6.5 9,52 - 9,67	2.441 62,00	2.441 62,00	2.200 55,88	0.750 19,05	1.900" NU 10 RD	20-307-0250
3.500 88,90	7.70 - 10.20 11,46 - 15,18	2.992 76,00	3.068 77,93	2.810 71,37	1.000 25,40	1.900" NU 10 RD	20-307-0350
4.500 114,30	9.5 - 13.5 14,14 - 20,09	3.920 99,57	4.090 103,89	3.750 95,25	1.933 49,10	2.375" EU 8 RD	20-307-0450
5.500 139,70	23.0 34,22	4.578 116,28	4.766 121,06	4.500 114,30	1.933 49,10	2.375" EU 8 RD	20-307-0550
	20.0 29,76	4.695 119,25	4.868 123,65	4.500 114,30	2.474 62,84	2.875" EU 8 RD	20-307-0560
	15.5 - 17.0 23,06 - 25,30	4.892 124,26	4.950 125,73	4.620 117,35	1.933 49,10	2.375" EU 8 RD	20-307-0570
	13.0 - 14.0 19,34 - 20,83	5.012 127,30	5.044 128,12	4.620 117,35	2.474 62,84	2.875" EU 8 RD	20-307-0580
6.625 168,28	28.0 - 32.0 41,66 - 47,62	5.675 144,15	5.791 107,09	5.440 138,18	2.474 62,84	2.875" EU 8 RD	20-307-0650
	20.0 - 24.0 29,76 - 35,71	5.921 150,39	6.049 153,64	5.750 146,05	2.474 62,84	2.875" EU 8 RD	20-307-0700
7.000 177,80	23.0 - 38.0 34,22 - 56,54	5.920 50,37	6.366 161,70	5.750 146,05	2.474 62,84	2.875" EU 8 RD	20-307-0700
	17.0 - 20.0 25,30 - 29,76	6.456 163,98	6.538 166,07	6.000 152,40	2.474 62,84	2.875" EU 8 RD	20-307-0710
7.625 193,68	33.7 - 39.0 50,15 - 58,03	6.625 168,28	6.765 171,83	6.450 163,83	2.474 62,84	2.875" EU 8 RD	20-307-0750
	24.0 - 29.7 35,71 - 44,19	6.875 174,63	7.025 178,44	6.670 169,42	2.474 62,84	2.875" EU 8 RD	20-307-0760
	47.0 - 53.5 69,94 - 79,61	8.535 216,79	8.681 220,50	8.250 209,55	4.000 101,60	4.500" EU 8 RD	20-307-0950
9.625 244,48	32.3 - 43.50 48,06 - 64,73	8.755 222,38	9.001 228,63	8.500 215,90	4.000 101,60	4.500" EU 8 RD	20-307-0960