

NAS1-X Mechanical Production Packer

The NAS1-X Production Packer is a retrievable, double grip production packer. The packer may be run on jointed tubing, coil tubing using a hydraulic setting tool or on E-line using an adapter kit. The NAS1-X may be set in tension, compression or neutral and will hold pressure from above and below. The packer is set and retrieved using ¼ turn to the right at the packer. The release mechanism incorporates an internal by-pass to equalize pressure before releasing the upper slips. The packer is designed to be run with NOV-2 On-Off Tool to allow disconnect of tubing to the packer. This allows the tubing to be removed without disturbing the packer, reducing trips and aiding in space out for wellhead installation.

Features

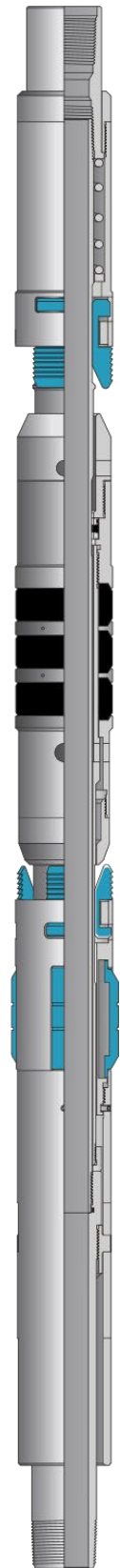
- The packer can be set in tension, compression or neutral
- Standard ¼ turn to right to set and release
- Internal by-pass reduces swabbing during run and retrieve
- May be run on E-line using adapter kit
- Standard in 80K material and 110K material for high pressure applications
- Use of NOV-2 On-Off Tool disconnect feature eliminates the need for expensive seal assemblies
- Elastomer and metallurgical options available for hostile environments

Benefits

- By-pass below upper slips to aid in washing of debris from upper slips when valve is open
- High strength J-pin to withstand high pressure stimulation and completion operations
- Can be run with On-Off Tool and wireline plug to act as a bridge plug
- Standard ¼ turn to right to set and release

Applications

- Production
- Injection
- Fracturing
- Ideal for use with fiberglass tubing



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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 7K (H ₂ S)	Product Number High Pressure
2.875 73.02	6.4 - 6.5 9.52 - 9.67	2.376 60.35	2.441 62.00	2.250 25.15	0.609 15.47	1.050" EU 10 RD	15-604-1027	15-603-1027
3.500 88.90	7.7 - 10.2 14.45 - 15.18	2.922 74.22	3.068 77.93	2.781 70.64	1.250 31.75	1.500" NU 10 RD	15-604-1535	15-603-1535
4.000 101.60	9.5 - 11.0 14.14 - 16.37	3.476 88.29	3.548 90.12	3.250 82.55	1.500 38.10	1.500" NU 10 RD	15-604-1540	15-603-1540
4.500 114.30	15.1 - 16.6 22.47 - 24.70	3.754 95.35	3.826 97.18	3.594 91.29	1.500 38.10	1.900" NU 10 RD	15-604-1945	15-603-1945
	13.5 - 15.1 20.09 - 22.47	3.826 97.18	3.920 99.57	3.680 93.47	1.938 49.23	2.375" EU 8 RD	15-604-2346	15-603-2346
	9.5 - 13.5 14.14 - 20.09	3.920 99.57	4.090 103.89	3.750 95.25	1.938 49.23	2.375" EU 8 RD	15-604-2347	15-603-2347
5.000 127.00	18.0 - 20.8 26.78 - 30.95	4.156 105.56	4.276 108.61	4.000 101.60	1.938 49.23	2.375" EU 8 RD	15-604-2350	15-603-2350
	11.5 - 15.0 17.11 - 22.32	4.408 111.96	4.560 115.82	4.125 104.78	1.938 49.23	2.375" EU 8 RD	15-604-2351	15-603-2351
5.500 139.70	20.0 - 23.0 29.76 - 34.22	4.670 118.62	4.778 121.36	4.500 114.30	1.984 50.39	2.375" EU 8 RD	15-604-2355	15-603-2355
	14.0 - 20.0 20.83 - 29.76	4.778 121.36	5.012 127.30	4.625 117.48	1.984 50.39	2.375" EU 8 RD	15-604-2356	15-603-2356
	20.0 - 23.0 29.76 - 34.22	4.670 118.62	4.778 121.36	4.500 114.30	2.375 60.33	2.875" EU 8 RD	15-604-2755	15-603-2755
	15.5 - 17.0 23.06 - 25.30	4.892 124.26	4.950 125.73	4.625 117.48	2.375 60.33	2.875" EU 8 RD	15-604-2756	15-603-2756
	9.0 - 13.0 13.39 - 19.34	5.044 128.12	5.192 131.88	4.875 123.83	2.359 59.92	2.875" EU 8 RD	15-604-2757	N/A
5.750 146.05	14.0 - 17.0 20.83 - 25.30	5.190 131.83	5.290 134.37	4.875 123.83	2.359 59.92	2.875" EU 8 RD	15-604-2760	N/A
	18.6 - 25.0 27.68 - 37.20	4.882 124.00	5.118 131.78	4.625 117.48	1.984 50.39	2.375" EU 8 RD	15-604-2761	N/A
6.625 168.28	24.0 - 32.0 35.71 - 47.62	5.675 144.15	5.921 150.39	5.500 139.70	2.375 60.33	2.875" EU 8 RD	15-604-2765	N/A
	20.0 - 24.0 29.76 - 35.71	5.921 150.39	6.049 153.64	5.750 146.05	3.000 76.20	3.500" EU 8 RD	15-604-2766	N/A
	17.0 - 24.0 25.30 - 35.71	5.921 150.39	6.135 155.83	5.750 146.05	2.500 63.50	2.875" EU 8 RD	15-604-2767	N/A
7.000 177.80	26.0 - 32.0 38.69 - 47.62	6.094 154.79	6.276 159.41	5.890 149.61	2.500 63.50	2.875" EU 8 RD	15-604-2770	15-603-2770
	26.0 - 35.0 38.68 - 52.08	6.004 152.50	6.276 159.41	5.875 149.23	3.000 76.20	3.500" EU 8 RD	15-604-3570	15-603-3570
	17.0 - 26.0 25.30 - 38.69	6.276 159.41	6.538 166.07	6.000 152.40	2.500 63.50	2.875" EU 8 RD	15-604-2771	15-603-2771
	17.0 - 26.0 25.30 - 38.69	6.276 159.41	6.538 166.07	6.000 152.40	3.000 76.20	3.500" EU 8 RD	15-604-3571	15-603-3571
7.625 193.68	33.7 - 39.0 50.15 - 58.03	6.625 168.28	6.765 171.83	6.453 163.91	2.500 63.50	2.875" EU 8 RD	15-604-2775	15-603-2775
	33.7 - 39.0 50.15 - 58.03	6.625 168.28	6.765 171.83	6.453 163.91	3.000 76.20	3.500" EU 8 RD	15-604-3575	15-603-3575
	24.0 - 29.7 35.71 - 44.19	6.875 174.63	7.025 178.44	6.672 169.47	2.500 63.50	2.875" EU 8 RD	15-604-2776	15-603-2776
	24.0 - 29.7 35.71 - 44.19	6.875 174.63	7.025 178.44	6.672 169.47	3.000 76.20	3.500" EU 8 RD	15-604-3576	15-603-3576
	32.0 - 40.0 47.62 - 29.52	7.725 196.22	7.921 201.19	7.500 190.50	4.000 101.60	4.500" EU 8 RD	15-604-4585	N/A
8.625 219.08	24.0 - 28.0 35.71 - 41.66	8.017 203.63	8.097 205.66	7.750 196.85	4.000 101.60	4.500" EU 8 RD	15-604-458/6	N/A
	43.5 - 53.5 64.73 - 79.61	8.535 216.79	8.755 222.38	8.250 209.55	4.000 101.60	4.500" EU 8 RD	15-604-4595	15-603-4595
9.625 244.48	32.3 - 43.5 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	15-604-4596	15-603-4596
	32.75 - 45.5 48.73 - 67.70	9.950 252.73	10.192 258.88	9.687 246.05	4.000 101.60	4.500" EU 8 RD	15-604-1075	N/A
13.375 339.73	48.0 - 72.0 71.42 - 107.14	12.347 313.61	12.715 322.96	12.000 304.80	4.000 101.60	4.500" EU 8 RD	15-604-1338	N/A