

Retrievable Packers

Tubing Pressure Packer and Casing Packer

Tubing Pressure Packer

The Tubing Pressure Packer is designed to handle a variety of downhole needs in slim hole casing. It is used for acidizing, fracturing and water injection where moderate pressure is expected. The packer may be run in either tension or compression.

Casing Packer

The Casing Packer can be set in open hole or in the casing string. It is often run beneath casing holes to isolate water so the well can be pumped or gas vented. The packer can be set in tension or compression for shutting off water, for injection or for various cementing procedures. When run in compression and in conjunction with special release sub, the packer can be used as a liner hanger.

Deeply cut, widely spaced wickers allow the packer to set, whether it is in open hole or in corroded casing. The Casing Packer is also available for open holes with a softer dual packing element system. This system provides a more reliable pack-off in irregular formations and a trouble free release without swabbing.

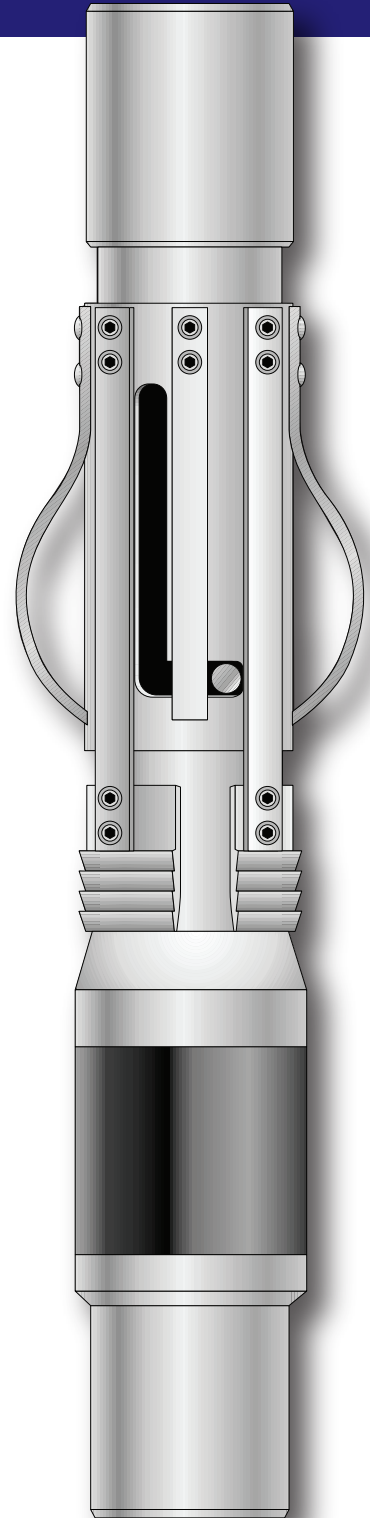
Features

- Full opening casing size
- Deep cut wickers
- Compression or tension set
- Casing can be run below packer
- Can be used as a liner hanger
- Available in open hole version

Tubing Pressure Packer Specifications (2-3/8" 3-1/2") Chart 1

Casing Size	WT.	O.D. Tool	Nominal Casing I.D. Range		.Min Tool I.D.	Standard Thread Connection
			Min.	Max.		
2-3/8"	4.0 - 4.7	1.813	1.995	2.041	0.750	1.00 11-1/2 LP or .75 NPT
2-7/8"	8.6 - 8.7	2.062	2.165	2.259	1.125	1.660 NU 10 RD
	6.4 - 6.5	2.250	2.375	2.441	0.750	1.00 11-1/2 LP or .75 NPT
3-1/2"	12.950	2.625	2.729	2.770	1.125	1.900 or 1.660 NU 10RD
	7.7 - 10.2	2.750	2.922	3.068	1.125	1.900 or 1.660 NU 10RD

(see more specifications on next page)



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Tubing Pressure Packer and Casing Packer

Casing Packer Specifications (4-1/2" - 16") Chart 2

Casing Size	WT.	O.D. Tool	Nominal Casing I.D. Range		Min Tool I.D.	Standard Thread Connection
			Min.	Max.		
4-1/2"	15.1	3.500	3.750	4.000	1.938	2.375 EU 8RD
	9.5 - 13.5	3.750	3.920	4.090	2.500	2.875 EU 8RD
5"	11.5 - 18.0	4.125	4.276	4.560	2.500	2.875 EU 8RD
5-1/2"	20.0 - 23.0	4.500	4.670	4.788	3.000	3.500 EU 8RD
	13.0 - 17.0	4.625	4.892	5.044	3.000	3.500 NU 10RD
	13.0 - 17.0	4.625	4.892	5.044	3.500	4.000 NU 8RD
6"	18.0 - 20.0	5.188	5.352	5.424	3.500	4.000 NU 8RD
6-5/8"	20.0 - 28.0	5.625	5.791	6.049	3.500	4.000 NU 8RD
	20.0 - 28.0	5.625	5.791	6.049	4.000	4.500 LTC 8RD
7"	17.0 - 38.0	5.750	5.920	6.538	4.000	4.500 LTC 8RD
	20.0 - 26.0	6.125	6.276	6.456	4.500	5.000 LTC 8RD
	17.0 - 23.0	6.188	6.366	6.538	4.500	5.000 LTC 8RD
7-5/8"	20.0 - 33.7	6.625	6.765	7.125	4.000	4.500 LTC 8RD
	20.0 - 33.7	6.500	6.765	7.125	5.000	5.500 LTC 8RD
8-5/8"	32.0 - 44.0	7.375	7.625	7.921	5.000	5.500 LTC 8RD
	24.0 - 40.0	7.500	7.725	8.097	4.000	4.500 LTC 8RD
	24.0 - 40.0	7.500	7.725	8.097	5.000	5.500 LTC 8RD
	24.0 - 36.0	7.625	7.825	8.097	6.000	6.625 LTC 8RD
9-5/8"	43.5 - 53.5	8.250	8.535	8.755	4.000	4.500 LTC 8RD
	43.5 - 53.5	8.250	8.535	8.755	6.500	7.000 LTC 8RD
	32.6 - 43.5	8.250	8.755	9.001	6.000	6.625 LTC 8RD
	32.6 - 43.5	8.250	8.755	9.001	6.000	7.000 LTC 8RD
10-3/4"	32.75 - 55.5	9.500	9.760	10.192	6.500	7.000 LTC 8RD
11-3/4"	42.0 - 54.0	10.625	10.880	11.084	8.000	8.625 LTC 8RD
13-3/8"	48.0 - 72.0	12.000	12.347	12.715	9.000	9.625 LTC 8RD
16"	65.0 - 84.0	14.750	15.010	15.250	9.000	9.625 LTC 8RD
	65.0 - 84.0	14.700	15.010	15.250	12.500	13.375 LTC 8RD

Note: Additional sizes available on request.