

DESCRIPTION

The MI-X Casing Packer is a mechanical set, retrievable casing packer used in well testing, injection and production applications. The Packer features an internal bypass to reduce swabbing during the trip in and out of the well. The bypass closes during setting and opens before releasing the slips to equalize pressure. The packer can be set with the tubing in tension or compression, and can be left in compression or tension after setting. The ability to set the packer with tension makes the MI-X ideal for shallow wells. The Packer is set and released by a quarter right-hand turn at the tool.

APPLICATIONS

- Drill stem testing
- Tubing-conveyed perforating
- Acidizing and injection operations
- Stimulations
- Fracking
- Shallow wells

FEATURES

- 7,500 psi pressure rating, some sizes available in 10,000 psi
- Only one-quarter right rotation is required to set and release
- Tubing string can be held in tension, compression or neutral set while the packer remains engaged
- 275 degF temperature rating
- Field-proven releasing system
- Bypass valve is below upper slips so the debris is washed from slips when the valve is opened
- Can be configured with carbide slips and drag blocks for premium casing



SPECIFICATIONS - 3120A

The below sizes are available in 10,000 PSI

CASING SIZE (IN.)	CASING WEIGHT (LBS. LFT.)	CASING ID MIN (IN.)	CASING ID MAX (IN.)	TOOL OD (IN.)	TOOL ID (IN.)	THREAD SPEC. BOX UP/PIN DOWN (IN.)
4-1/2	9.50-13.50	3.920	4.090	3.750	1.938	2-3/8 EUE 8RD
4-1/2	13.50-15.10	3.826	3.920	3.650	1.930	2-3/8 EUE 8RD
5	18.00-20.80	4.156	4.276	4.000	1.938	2-3/8 EUE 8RD
5	11.50-15.00	4.408	4.560	4.125	1.938	2-3/8 EUE 8RD
5-1/2	20.00-23.00	4.670	4.778	4.500	1.938	2-3/8 EUE 8RD
5-1/2	14.00-20.00	4.778	5.012	4.625	1.938	2-3/8 EUE 8RD
5-1/2	20.00-23.00	4.670	4.778	4.500	2.375	2-7/8 EUE 8RD
5-1/2	15.50-20.00	4.778	4.950	4.625	2.375	2-7/8 EUE 8RD
5-1/2	23.00-26.00	4.548	4.670	4.406	2.500	2-7/8 EUE 8RD
7	26.00-32.00	6.094	6.276	5.875	2.50	2-7/8 EUE 8RD
7	17.00-26.00	6.276	6.538	6.000	2.50	2-7/8 EUE 8RD
7-5/8	33.70-39.00	6.625	6.765	6.453	2.500	2-7/8 EUE 8RD
7-5/8	24.00-29.70	6.875	7.025	6.672	2.500	2-7/8 EUE 8RD

The below sizes are available in 7,500 PSI

CASING SIZE (IN.)	CASING WEIGHT (LBS. LFT.)	CASING ID MIN (IN.)	CASING ID MAX (IN.)	TOOL OD (IN.)	TOOL ID (IN.)	THREAD SPEC. BOX UP/PIN DOWN (IN.)
4-1/2	9.50-13.50	3.920	4.090	3.750	1.938	2-3/8 EUE 8RD
4-1/2	13.50-15.10	3.826	3.920	3.650	1.930	2-3/8 EUE 8RD
5	18.00-20.80	4.156	4.276	4.000	1.938	2-3/8 EUE 8RD
5	11.50-15.00	4.408	4.56	4.125	1.938	2-3/8 EUE 8RD
5-1/2	20.00-23.00	4.670	4.778	4.500	1.938	2-3/8 EUE 8RD
5-1/2	14.00-20.00	4.778	5.012	4.625	1.938	2-3/8 EUE 8RD
5-1/2	20.00-23.00	4.670	4.778	4.500	2.375	2-7/8 EUE 8RD
5-1/2	15.50-17.00	4.892	4.950	4.625	2.375	2-7/8 EUE 8RD
5-1/2	13.00-14.00	5.012	5.044	4.813	2.375	2-7/8 EUE 8RD
5-1/2	9.00-13.00	5.044	5.192	4.813	2.375	2-7/8 EUE 8RD
6-5/8	24.00-32.00	5.675	5.921	5.583	2.500	2-7/8 EUE 8RD
6-5/8	20.00-24.00	5.921	6.049	5.750	3.000	3-1/2 EUE 8RD
6-5/8	17.00-24.00	5.921	6.135	5.750	2.500	3-1/2 EUE 8RD
7	26.00-32.00	6.094	6.276	5.875	2.500	2-7/8 EUE 8RD
7	17.00-26.00	6.276	6.538	6.000	2.500	2-7/8 EUE 8RD
7	26.00-32.00	6.094	6.276	5.875	3.000	3-1/2 EUE 8RD
7	17.00-26.00	6.276	6.538	6.000	3.000	3-1/2" EUE 8RD
7-5/8	33.70-39.00	6.625	6.765	6.453	2.500	2-7/8 EUE 8RD
7-5/8	24.00-29.70	6.875	7.025	6.672	3.000	3-1/2 EUE 8RD
9-5/8	43.50-53.50	8.535	8.755	8.250	4.000	4-1/2 EUE 8RD
9-5/8	32.30-43.50	8.755	9.001	8.500	4.000	4-1/2 EUE 8RD

* Note: the most common sizes and specifications are depicted above. Other sizes are available upon request

* Premium Connections Available

* These specifications are guidelines only. Refer to the equipment technical manual, or contact Northstar for more information.