

DESCRIPTION

The Service Casing Packer is a mechanical set double grip service Packer used in production, stimulation, perforating and testing applications. The Packer features a large internal bypass flow path to prevent swabbing during the trip in or out of the well. Tubing pressure acts against the balance piston, keeping the bypass closed during injection operations. Additionally, tubing pressure engages the hydraulic hold down buttons into the casing to prevent the Packer from being pumped out of the well. The Packer is set by right-hand rotation and slacking off the required weight to pack off the annulus. To unset the Packer, straight pickup of the tubing will first open the bypass valve and equalize pressure, continued pickup will release the packer and automatically engage the packer in the running position for further operations up or down the hole.

APPLICATIONS

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

FEATURES

- Proven three piece packing element system
- Slips, piston and drag blocks utilize carbide inserts
- Large internal bypass valve reduces element swabbing
- Sets in all grades of casing, regardless of hardness
- Optional left hand set J-body available
- Wide range of packer sizes available, from 4-1/2" to 20"
- Simple set and release procedures
- Surface controlled combination bypass and equalizing valve
- Hydraulic controlled balance piston eliminates excessive set down weight requirements
- Available in API IF connections or EUE
- Premium PI 10 body and coupling subs



SPECIFICATIONS (INTERNAL FLUSH CONNECTION) - 3120J

CASING SIZE (IN.)	CASING WEIGHT (LBS. LFT.)	SETTING RANGE MIN ID (IN.)	SETTING RANGE MAX ID (IN.)	TOOL ID (IN.)	TOOL OD (IN.)	THREAD CONNECTIONS (BOX X PIN) (IN.)
5	15.00-18.00	4.250	4.408	1.750	4.125	2-7/8 IF
5-1/2	20.00-23.00	4.625	4.778	1.750	4.500	2-7/8 IF
5-1/2	15.50-20.00	4.778	4.950	1.750	4.641	2-7/8 IF
5-1/2	13.00-15.50	4.950	5.190	1.750	4.781	2-7/8 IF
6-5/8	24.00	5.830	5.937	2.250	5.656	3-1/2 IF
7	38.00	5.830	5.937	2.250	5.656	3-1/2 IF
7	32.00-35.00	5.938	6.135	2.250	5.812	3-1/2 IF
7	26.00-29.00	6.136	6.276	2.250	5.698	3 1/2 IF
7	20.00-26.00	6.276	6.456	2.250	6.078	3-1/2 IF
7	17.00-20.00	6.456	6.578	2.250	6.266	3-1/2 IF
7-5/8	33.70-39.00	6.579	6.797	2.250	6.453	3-1/2 IF
7-5/8	24.00-29.70	6.798	7.025	2.250	6.672	3-1/2 IF
7-5/8	20.00-24.00	7.025	7.125	2.250	6.812	3-1/2 IF
8-5/8	44.00-49.00	7.511	7.625	2.750	7.312	3-1/2 IF
8-5/8	32.00-40.00	7.725	7.921	2.750	7.531	3-1/2 IF
8-5/8	20.00-28.00	8.017	8.191	2.750	7.781	3-1/2 IF
9-5/8	47.00-53.50	8.535	8.681	2.750	8.218	3-1/2 IF or 4-1/2 IF
9-5/8	40.00-47.00	8.681	8.835	2.750	8.437	3-1/2 IF or 4-1/2 IF
9-5/8	29.30-36.00	8.921	9.063	2.750	8.593	3-1/2 IF or 4-1/2 IF
10-3/4	40.50-55.50	9.750	10.050	2.750	9.500	3-1/2 IF or 4-1/2 IF
10-3/4	60.70	9.504	9.660	2.750	9.375	4-1/2 IF
11-3/4	60.00-83.00	10.192	10.772	2.750	10.063	3-1/2 IF or 4-1/2 IF
11-3/4	38.00-65.00	10.682	11.150	2.750	10.375	3-1/2 IF or 4-1/2 IF
13-3/8	48.00-72.00	12.347	12.715	2.750	12.125	3-1/2 IF or 4-1/2 IF
16	65.00-84.00	15.000	15.250	3.750	14.688	4-1/2 IF
16	75.00-104.00	14.750	15.125	3.750	14.375	4-1/2 IF
20	94.00-133.00	18.730	19.124	3.750	18.406	4-1/2 IF

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

SPECIFICATIONS (EUE CONNECTION) - 3120J

CASING SIZE (IN.)	CASING WEIGHT (LBS. LFT.)	SETTING RANGE MIN ID (IN.)	SETTING RANGE MAX ID (IN.)	TOOL ID (IN.)	TOOL OD (IN.)	THREAD CONNECTIONS (BOX X PIN) (IN.)
4-1/2	9.5-13.5	3.910	4.090	1.812	3.771	2-3/8 OD EUE 8RD
5	15.00-18.00	4.250	4.408	1.812	4.125	2-3/8 OD EUE 8RD
5	11.50-15.00	4.408	4.560	1.812	4.250	2-3/8 OD EUE 8RD
5-1/2	26.00	4.408	4.560	1.812	4.250	2-3/8 OD EUE 8RD
5-1/2	20.00-23.00	4.625	4.778	1.938	4.500	2-3/8 OD EUE 8RD
5-1/2	15.50-20.00	4.778	4.950	1.938	4.641	2-3/8 OD EUE 8RD
5-1/2	13.00-15.50	4.950	5.190	1.938	4.781	2-3/8 OD EUE 8RD
6-5/8	24.00	5.830	5.937	2.375	5.656	2-7/8 OD EUE 8RD
7	38.00	5.830	5.937	2.375	5.656	2-7/8 OD EUE 8RD
7	32.00-35.00	5.938	6.135	2.375	5.812	2-7/8 OD EUE 8RD
7	26.00-29.00	6.136	6.276	2.375	5.968	2-7/8 OD EUE 8RD
7	20.00-26.00	6.276	6.456	2.375	6.078	2-7/8 OD EUE 8RD
7	17.00-20.00	6.456	6.578	2.375	6.266	2-7/8 OD EUE 8RD
7-5/8	33.70-39.00	6.579	6.797	2.375	6.453	2-7/8 OD EUE 8RD
7-5/8	24.00-29.70	6.798	7.025	2.375	6.672	2-7/8 OD EUE 8RD
7-5/8	20.00-24.00	7.025	7.125	2.375	6.812	2-7/8 OD EUE 8RD
8-5/8	57.40-60.70	7.062	7.250	3.000	6.985	3-1/2 OD EUE 8RD
8-5/8	44.00-49.00	7.511	7.625	3.000	7.312	3-1/2 OD EUE 8RD
8-5/8	32.00-40.00	7.725	7.921	3.000	7.531	3-1/2 OD EUE 8RD
8-5/8	20.00-28.00	8.017	8.191	3.000	7.781	3-1/2 OD EUE 8RD
9-5/8	47.00-53.50	8.535	8.681	3.000	8.218	3-1/2 OD EUE 8RD
9-5/8	40.00-47.00	8.681	8.835	3.000	8.437	3-1/2 OD EUE 8RD
9-5/8	29.30-36.00	8.921	9.063	3.000	8.593	3-1/2 OD EUE 8RD
10-3/4	40.50-55.50	9.750	10.050	3.000	9.500	3-1/2 OD EUE 8RD
11-3/4	60.00-83.00	10.192	10.772	3.000	10.063	3-1/2 OD EUE 8RD
11-3/4	38.00-65.00	10.682	11.150	3.000	10.375	3-1/2 OD EUE 8RD
13-3/8	48.00-72.00	12.347	12.715	3.000	12.125	3-1/2 OD EUE 8RD
16	75.00-104.00	14.750	15.125	3.750	14.500	3-1/2 OD EUE 8RD

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

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