

OVERSHOT EXPANSION JOINT(OEJ) ASSEMBLY



PARVEEN Overshot Expansion Joint (OEJ) Assembly is designed for applications where extreme tubing movements are expected due to stimulation or production of the well and when a tubing separation device is also required.

The OEJ assembly is a one-trip system, which allows the well to be flanged up prior to setting the packer. The OEJ assembly incorporates a slick joint sub as well as housing - packing set including working seal units and a debris barrier above the working seals. The plain receptacle, housing - packing set and seals can be retrieved when the tubing string is recovered for maintenance or the entire completion can be retrieved by straight pull after ensuring that J-pin engaged with J-slot, thus allowing the packer to be retrieved.

The OEJ assembly is available in varying lengths of up to 20 ft. stroke. Adjustable shear pins lock the inner & outer assembly together during run-in. Once the shear screw gets sheared by applying load, the outer assembly gets disengaged and it is free to move on the inner assembly, compensating for tubing movement.

Features:

- One-trip required to run in and actuate
- Available in stroke lengths up to 20 ft.
- Debris barrier above the working seals
- Seating nipple located at the upper end of the slick joint sub
- Seals can be retrieved for redress
- One-trip retrieval – J-pin J-slot assembly allows the entire completion to be retrieved with straight pick up of the tubing once engaged

Benefits:

- No tubing manipulation required to set
- One-trip system saves rig time
- Seals can be retrieved for redress without removing packer

Applications:

- Completions in which the packer is set after the well is flanged up

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|--|-------------|---------------|-------------|--------|-------------------------------|------------------------------|------------------|
| TUBING ^b | | RUN IN CASING | | MAX OD | NIPPLE SEAL BORE ^a | STROKE | W.P ^c |
| OD (inch) | WT (lbs/ft) | SIZE (inch) | WT (lbs/ft) | (inch) | (inch) | (ft) | (psi) |
| 2.3/8 | 4.7 | 4.1/2 | 11.6 – 15.1 | 3.60 | 1.875 | | 5000 |
| 2.3/8 | 4.7 | 4.1/2 | 15.1 – 20 | 3.50 | 1.875 | 15 up / 5 down = 20 total | 5000 |
| 2.7/8 | 6.5 | 5.1/2 | 20 – 23 | 4.50 | 2.313 | 7.5 up / 7.5 down = 15 total | 7500 |
| 3.1/2 | 9.3 | 7 | 32 – 38 | 5.65 | 2.813 | 5 up / 5 down = 10 total | 7500 |
| 4.1/2 | 12.75 | 7.5/8 | 24 – 33.70 | 6.50 | 3.813 | | 7500 |

^a - OTIS type "X" size given; however OTIS "R" type & Baker "F" type profile can also be provided

^b - Top box X bottom pin EUE 8 RD Connection / customer to specify tubing Connection

^c - W.P. = T.P

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