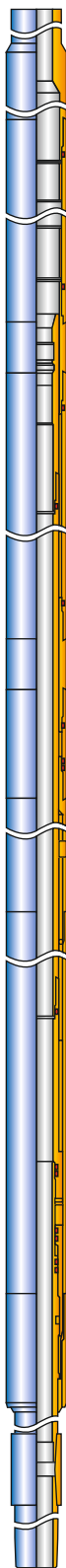


HYDRAULIC OVERSHOT EXPANSION JOINT(HOEJ) ASSEMBLY



PARVEEN Hydraulic Overshot Expansion Joint (HOEJ) 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 HOEJ assembly is a one-trip system, which allows the well to be flanged up prior to setting the packer. The HOEJ 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 is engaged with J-slot, thus allowing the packer to be retrieved.

The HOEJ assembly is available in varying lengths of up to 20 ft. stroke. Hydraulic release mechanism locks the inner & outer assembly together during run-in. Once the shear screw gets sheared by hydraulic tubing pressure 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
- Adjustable hydraulic release mechanism
- 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)
2.7/8	6.5	5.1/2	14 – 23	4.40	2.313	15 up / 5 down = 20 total	7500
3.1/2	9.3	7	23 – 38	5.68	2.813	7.5 up / 7.5 down = 15 tota	7500
						15 up / 5 down = 10 total	

_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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