

Tubing Safety Joints

TUBING SAFETY JOINTS

Overview

The Tubing Safety Joint is designed for the safe and dependable release from drilling, fishing, tubing, washover, or testing strings should they become stuck. The simple design of the Logan Tubing Safety Joint has no release ring, which allows for quick disengagement procedures of the tool.

Construction

The Tubing Safety Joint comes in a variety of popular sizes for tubing strings. Logan will also design and manufacture safety joints to meet a customer's specific need. The Tubing Safety Joint is made up of a box section and a pin section. Each Safety Joint is designed to withstand internal and external pressures through the use of O-ring seals above and below the threads.

Tubing Safety Joints will have an O.D. the same as the coupling O.D. and an I.D. the same as the I.D. of the tubing connection.

Operation

The coarse thread design of the Logan Tubing Safety Joint is resistant to wedging or loosening of the tool during operation. The Safety Joint's design allows for the transmission of torque in the left-hand or right-hand direction.

To Disengage the Safety Joint in the Hole

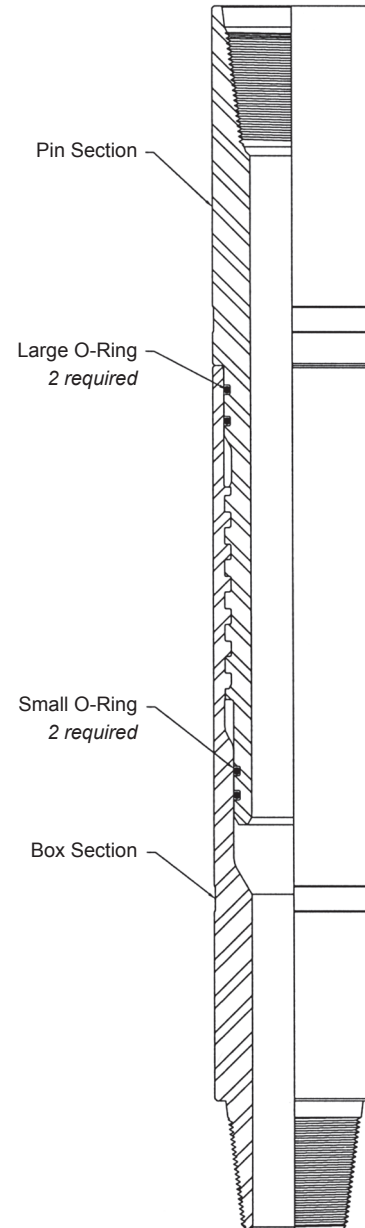
1. Pick up on the tubing string until 500 to 1,000 lbs. remains on the Safety Joint. If too much weight is left sitting on the Safety Joint, there is a possibility that damage could occur to the shoulder of the box section when the tool disengages.
2. Rotate the string to the left until approximately 20% to 40% of the tool's right-hand make-up torque is applied.
3. Pick up on the string slowly while rotating to the left to unscrew the Safety Joint. The coarse threads will lift the pipe approximately 1/2" for each revolution of the string.
4. Care should be taken to keep a little weight on the Safety Joint as the tool is unscrewed as recommended in Step 1. The operator will be able to see a weight decrease as the Safety Joint separates.

To Reengage the Safety Joint in the Hole

1. Lower the string into the hole until the Pin Section contacts the Box Section.
2. Apply approximately 1,000 lbs. of weight and rotate the string slowly to the right. An increase in torque will indicate that the Safety Joint has reengaged.

When ordering, please specify:

- (1) Name and number of assembly or part
- (2) Connections, if other than standard
- (3) Name and number of any desired spares
- (4) O.D., if other than standard



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CONNECTION SIZE	3/4	1	1	1-1/2	2	2-1/2	2-7/8
CONNECTION TYPE	EUE HARDY GRIFFIN	DSS	EUE	CS	EUE	EUE C-100	HYDRIL
TOOL O.D.	1.660	1.590	1-29/32	2-1/8	3-1/16	3-21/32	3-1/2
BORE	.812	.812	1	1-1/2	2	2-7/16	2-3/8
COMPLETE ASSEMBLY	602-166	602-159	602-191	602-213	602-306	602-366	602-350
PIN SECTION	Y3000	Y3001	Y3002	Y3003	Y3004	Y3005	Y3006
BOX SECTION	Y4000	Y4001	Y4002	Y4003	Y4004	Y4005	Y4006
O-RING - SMALL	...	...	568-025	568-131	568-138	568-228	...
No. Req'd	...	...	2	2	2	2	...
O-RING - LARGE	...	...	568-128	568-225	568-332	568-336	...
No. Req'd	...	...	2	2	2	2	...

CONNECTION SIZE	3	3
CONNECTION TYPE	EUE	EUE
TOOL O.D.	4-1/2	5
BORE	3	3
COMPLETE ASSEMBLY	602-450	602-500
PIN SECTION	Y3007	Y3008
BOX SECTION	Y4007	Y4008
O-RING - SMALL	568-152	...
No. Req'd	2	...
O-RING - LARGE	568-241	...
No. Req'd	2	...

Special Notes:

(1) Left-hand connections available upon request.

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- (4) O.D., if other than standard.