

## Washover Safety Joints

### WASHOVER SAFETY JOINTS

#### Overview

The Washover Safety Joint is designed for the safe and dependable release from drill-ing, fishing, tubing, washover, or testing strings should they become stuck. The simple design of the Washover Safety Joint has no release ring, which allows for quick disen-gage-ment procedures of the tool.

#### Construction

The Washover Safety Joint comes in a variety of popular sizes for drill pipe strings. Logan will also design and manufacture safety joints to meet a customer's specific need. The Washover 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.

Washover Safety Joints come with a drill pipe box top connection and a washover string pin bottom connection. This allows the Safety Joint to be run between the washover pipe and the drill string. The O.D. of the Washover Safety Joint will match the O.D. of the washover pipe.

#### Operation

The coarse thread design of the Logan Wash-over 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

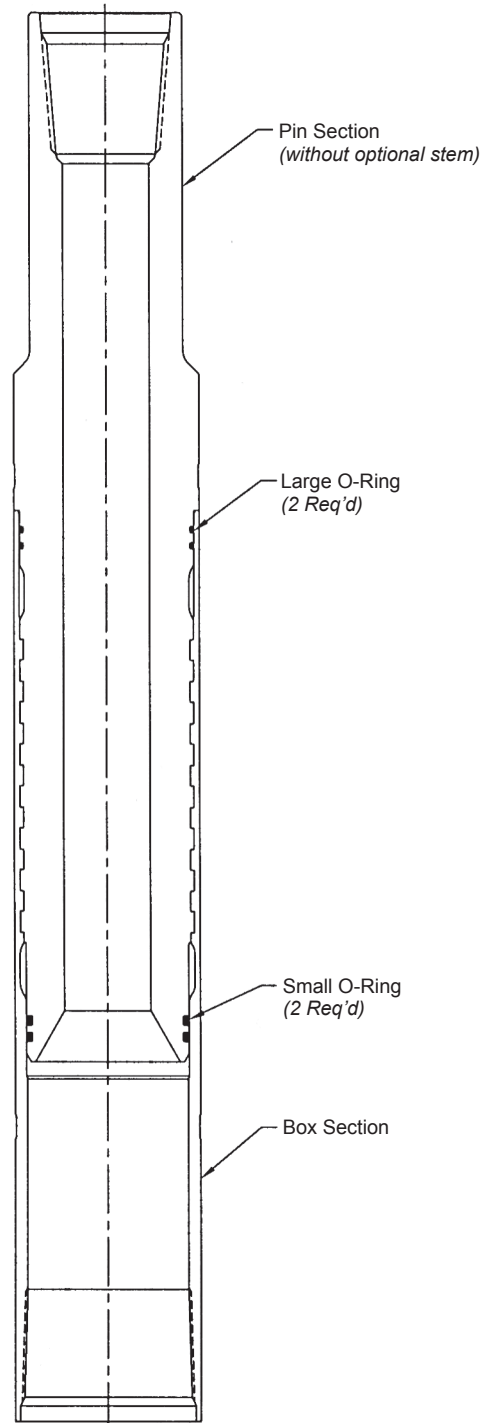
1. Pick up on the drill string until 500 to 1,000 lbs. remains on the Safety Joint. If too much weight is left sitting on the Safety Joint, there is a possibility that damage could occur to the shoulder of the box section when the tool disengages.
2. Rotate the string to the left until approxi-mately 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	4	4-1/2	5	5-1/2	5-3/4	7	7-3/8
CONNECTION TYPE	FJ	FJ	FJ	FJ	FJ	HYDRIL FJ	FJ
TOOL O.D.	4	4-1/2	5-3/8	5-5/8	5-3/4	7-5/16	7-3/8
BORE	1-1/4	1-1/4	2-1/8	2-9/16	2-7/16	3-3/4	3
<b>COMPLETE ASSEMBLY</b>	<b>603-400</b>	<b>603-450</b>	<b>603-538</b>	<b>603-563</b>	<b>603-575</b>	<b>603-731</b>	<b>603-738</b>
<b>PIN SECTION WITHOUT STEM</b>	<b>Y5000-B</b>	<b>Y5001-B</b>	<b>Y5002-B</b>	<b>Y5003-B</b>	<b>Y5004-B</b>	<b>Y5005-B</b>	<b>Y5006-B</b>
<b>BOX SECTION</b>	<b>Y6000</b>	<b>Y6001</b>	<b>Y6002</b>	<b>Y6003</b>	<b>Y6004</b>	<b>Y6005</b>	<b>Y6006</b>
<b>O-RING</b>	...	...	...	...	...	...	<b>568-261</b>
No. Req'd	...	...	...	...	...	...	2

### OPTIONAL

<b>PIN SECTION WITH STEM</b>	<b>Y5000-A</b>	<b>Y5001-A</b>	<b>Y5002-A</b>	<b>Y5003-A</b>	<b>Y5004-A</b>	<b>Y5005-A</b>	<b>Y5006-A</b>
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CONNECTION SIZE	7-5/8	8-1/8	9	9-5/8	10-3/4	11-3/4
CONNECTION TYPE	FJ	FJ	FJ	FJ	FJ	FJ
TOOL O.D.	8	8-5/32	9-3/8	10-1/8	11-1/16	11-3/4
BORE	3-3/4	3-5/32	4		4	
<b>COMPLETE ASSEMBLY</b>	<b>603-800</b>	<b>603-816</b>	<b>603-938</b>	<b>603-1013</b>	<b>603-1106</b>	<b>603-1175</b>
<b>PIN SECTION WITHOUT STEM</b>	<b>Y5007-B</b>	<b>Y5008-B</b>	<b>Y5009-B</b>	<b>Y5010-B</b>	<b>Y5011-B</b>	<b>Y5012-B</b>
<b>BOX SECTION</b>	<b>Y6007</b>	<b>Y6008</b>	<b>Y6009</b>	<b>Y6010</b>	<b>Y6011</b>	<b>Y6012</b>
<b>O-RING</b>	<b>568-262</b>	...	...	...	...	...
No. Req'd	2	...	...	...	...	...

### OPTIONAL

<b>PIN SECTION WITH STEM</b>	<b>Y5007-A</b>	<b>Y5008-A</b>	<b>Y5009-A</b>	<b>Y5010-A</b>	<b>Y5011-A</b>	<b>Y5012-A</b>
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#### Special Notes:

(1) Left-hand connections available upon request

#### 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) If ordering Pin Section With Stem, specify stem length
- (5) O.D., if other than standard.