Overview
The Logan Tubing Safety Joint is designed for the safe and dependable release from drilling, fishing, tubing, washove, 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 Logan 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 Logan 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.

Logan 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.

When ordering, please specify
• Complete assembly or part number
• Connections, if other than standard
• Name and number of any desired spares
• Outside Diameter, if other than standard

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
• 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.
• Rotate the string to the left until approximately 20% to 40% of the tool’s right-hand make-up torque is applied.
• 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.
• 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
• Lower the string into the hole until the Pin Section contacts the Box Section.
• 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.
### ACCESSORY TOOLS
### TUBING SAFETY JOINTS

<table>
<thead>
<tr>
<th>Connection Size</th>
<th>Connection Type</th>
<th>3/4</th>
<th>1</th>
<th>1-1/2</th>
<th>2</th>
<th>2-1/2</th>
<th>2-7/8</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td>EUE</td>
<td>DSS</td>
<td>CS</td>
<td>EUE</td>
<td>EUE</td>
<td>HYDRL</td>
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<tr>
<td>Outside Diameter (Inches)</td>
<td>1.660</td>
<td>1.590</td>
<td>1.29/32</td>
<td>2-1/8</td>
<td>1-1/2</td>
<td>3-1/16</td>
<td>3-21/32</td>
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<tr>
<td>Bore</td>
<td>.812</td>
<td>.812</td>
<td>1</td>
<td>2</td>
<td>2</td>
<td>3</td>
<td>3-1/2</td>
</tr>
</tbody>
</table>

**COMPLETE ASSEMBLY**

**Pin Section**
- Logan Part No.: Y3000, Y3001, Y3002, Y3003, Y3004, Y3005, Y3006

**Box Section**
- Logan Part No.: Y4000, Y4001, Y4002, Y4003, Y4004, Y4005, Y4006

**O-Ring - Small**
- Logan Part No.: 568-025, 568-131, 568-158, 568-228, 2

**O-Ring - Large**
- Logan Part No.: 568-128, 568-225, 568-332, 568-336, 2

**Tool Joint Connection**
- 3 EUE
  - Outside Diameter (Inches): 4-1/2, 5
  - Bore: 3

**COMPLETE ASSEMBLY**
- Logan Part No.: 602-450, 602-500

Logan Oil Tools (a Rubicon Product Brand) reserves the right to change or discontinue designs without prior notice.

**Special Notes:**
Left-hand connections available upon request

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- Connections, if other than standard
- Name and number of any desired spares
- Outside Diameter, if other than standard