

Tension Safety Joints

The UMS Flowell Tension Safety Joints are a method of releasing the tubing string above a packer by applying a straight pull in the event that the packer or the tubing below the tension safety joint becomes stuck, allowing the tubing to be removed from the well.

The stuck tubing or packer can then either be fished or milled to recover the well. The tension required to shear the tension safety joint can be set to the desired value by fitting the appropriate number and type of shear screws that suits the completion design.

The top and bottom sub of the Tension Safety Joint are keyed together to allow full string torque to be applied.





Tension Safety Joints



Features & Benefits

- Available in sizes from 1.900" to 5-1/2"
- Keyed to allow string rotation
- Adjustable shear value by selecting required number of shear screws

Specifications

- Low alloy or 13Cr metallurgy
- Tubing matched pressure rating



Tension Safety Joints

Part Number	Upper Connection	Lower Connection	OD (in)	ID (in)	Number Of Shear Screws	Shear Value Per Shear Screw (lbs)
TSJ-1900-03	1.900" 3.64lb/ft TENARIS CS BOX	1.900" 3.64lb/ft TENARIS CS PIN	2.350	1.440	8	10,000 +/- 1000
TSJ-4500-03	4-1/2" 11.6lb/ft API BUTTRESS (BTC) BOX	4-1/2" 11.6lb/ft API BUTTRESS (BTC) PIN	5.25	3.996	12	10,000 +/- 1000
TSJ-5000-03	5" 15lb/ft API BUTTRESS (BTC) BOX	5" 15lb/ft API BUTTRESS (BTC) PIN	5.75	4.409	12	10,000 +/- 1000

