

Tubing Tension Safety Joint

The tubing tension safety joint permits torque-through capability and requires straight upward pull to release.

APPLICATION

- Single and dual completions

BENEFITS

- Field adjustable.
- Wide variety of shear values.

FEATURES

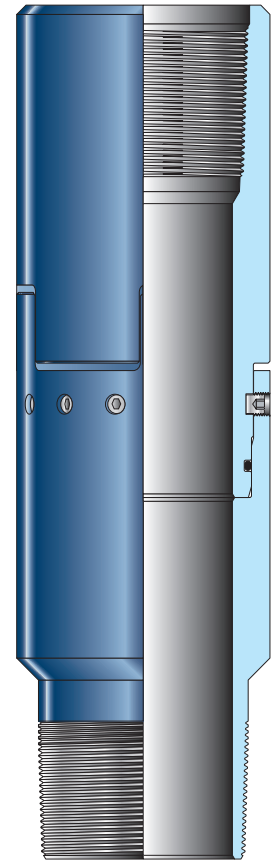
- Integral high strength splines
- Adjustable shear
- Robust construction
- Available in variety of materials and elastomers

The release value can be adjusted by varying the number of shear screws used. The sub will not shear when weight is set on it, and it will transmit torque through an integral spline section.

DESCRIPTION

Tubing tension safety joints are straight pickup, shear-release tools commonly used in applications where rotation of the tubing is impractical. This type of safety joint provides a means of separating the production tubing above or below a packer if necessary. This is a fully locked safety joint that allows full tubing torque to be applied through the joint without loading the shear screws.

The tension-type safety joint is connected with a set of shear screws, which are easily added or removed in the field to adjust the shear value to match completion requirements.



Tubing Tension Safety Joint Specifications

Size, [†] in [mm]	Max. OD, in [mm]	Min. ID, in [mm]	Shear Force per Screw	
			Brass, lbf [kg]	Steel, lbf [kg]
2.375 [60.3]	3.063 [77.8]	1.995 [50.7]	2,000 [907]	5,000 [2,268]
2.875 [73.0]	3.668 [93.7]	2.441 [62.0]	2,000 [907]	5,000 [2,268]
3.500 [88.9]	4.500 [114.3]	2.992 [76.0]	2,000 [907]	5,000 [2,268]
4.500 [114.3]	5.563 [141.3]	3.958 [100.5]	2,000 [907]	5,000 [2,268]
5.500 [139.7]	6.050 [153.7]	4.892 [124.3]	2,000 [907]	5,000 [2,268]
7.000 [177.8]	7.687 [195.2]	6.366 [161.7]	2,000 [907]	5,000 [2,268]

[†] Other sizes are available on request. Contact your local Schlumberger representative.