

# Torque Thru Knuckle Joint

## Thru-Tubing Technology | Product Code | WT - 0503

### Features

- The Torque Thru Knuckle Joint provides a full 15-degree angular deviation and internal pressure seal
- The ball and socket of the knuckle have keys that prevent rotation, while still allowing full angular movement
- Provides additional flexibility in the tool string when positioned above the manipulation tool

### Benefits

- Can be used with long tool strings
- Torque thru capability
- The additional flexibility allows tools to run in restricted or highly deviated wells

**The Torque Thru Knuckle Joint provides a full 15-degree angular deviation and internal pressure sealing throughout the full deviation of the tool. The ball and socket of the knuckle have keys that prevent rotation, while still allowing full angular movement.**

The Torque Thru Knuckle Joint can provide additional flexibility in the tool string when positioned above the manipulation tool. This additional flexibility is often necessary when the bore of the hole, which the tool is running through, is restricted and/or highly deviated.

Multiple Torque Thru Knuckle Joints can be incorporated in particularly long tool strings.



### Torque Thru Knuckle Joint / Product Code WT-0503

Tool OD in inches	1-11/16"	2 - 1/8"	2 - 7/8"	3-3/8"
End Connection	1" AMMT	1-1/2" AMMT	2-3/8" PAC	2-3/8" PAC
Tensile Strength in lbs	30,000	40,000	100,000	135,000
ID in inches	0.406	0.530	0.750	1.375
Length in feet	1.10	1.00	1.24	1.33
Working Pressure in PSI	5,000	5,000	5,000	5,000

Other sizes, end connections and materials available on request. Properties quoted for standard service materials.