



KNUCKLE JOINTS

NEXT GENERATION MILLING TECHNOLOGY

TORQUE-THRU KNUCKLE JOINT

The Torque Thru Knuckle Joint was designed to provide additional flexibility to the tool string and allow tools to be ran in restricted or highly deviated wells.

The Torque Thru design allows for full angular movement, but at the same time not allowing any rotation.

Design Features

- Flow-Thru Capability
- High Torque Ratings
- Robust Castellated Design
- Angular of 15°



TECHNICAL SPECIFICATIONS

TOOL OD	CONNECTION	TENSILE YIELD	TORSIONAL YIELD	ID	LENGTH	WORKING PRESSURE
1.500" 38.1mm	1" AMMT	18,000 lbf 8,035 daNs	370 ft-lbs	0.438" 11.1mm	8.75" 0.22m	5,000 PSI 34.5 MPa
1.690" 43mm	1" AMMT	20,000 lbf 8,928 daNs	440 ft-lbs	0.625" 15.9mm	9.44" 0.24m	10,000 PSI 68.9 MPa
1.750" 44.45mm	1" AMMT	30,000 lbf 13,392 daNs	450 ft-lbs	0.656" 16.7mm	9.44" 0.24m	10,000 PSI 68.9 MPa
2.125" 54mm	1-1/2" AMMT	40,000 lbf 17,857 daNs	1,050 ft-lbs	0.875" 22.2mm	11.13" 0.28m	10,000 PSI 68.9 MPa
2.875" 73mm	2-3/8" PAC	75,000 lbf 33,482 daNs	3,100 ft-lbs	0.875" 22.2mm	14.56" 0.37m	10,000 PSI 68.9 MPa

*NOTE: ALL VALUES ARE RATED FOR STANDARD MATERIAL