TORQUE THRU-KNUCKLE JOINT

The Torque Thru-Knuckle Joint is specifically designed to centralize and stabilize tool strings in deviated wells.
The Torque Thru-Knuckle Joint is used in fishing operations to add flexibility to the bottomhole jassembly. With its ability to convey torque through the tool string, the Torque Thru-Knuckle Joint is designed to transmit torque generated by the motor.

SPECIFICATIONS

OD IN (MM)	ID IN (MM)	TOOL LENGTH IN (MM)	CONNECTIONS BOX & PIN
1.688 (42.9)	0.531 (13.5)	11.37 (288.8)	1" AMMT
1.813 (46.0)	0.531 (13.5)	11.37 (288.8)	1" AMMT
2.125 (54.0)	0.594 (15.1)	13.81 (350.8)	1 1/2" AMMT
2.875 (73.0)	0.781 (19.8)	19.75 (501.7)	2 3/8" PAC
3.500 (88.9)	1.000 (25.4)	21.88 (555.87)	2 3/8" REG

LOCKING SWIVEL JOINT

The Locking Swivel Joint is designed for deploying long tool strings.
Used in conjunction with a deployment sub, the tool string can be lowered into the wellbore and hung off in the blowout preventors on a set of slip rams.
The Locking Swivel Joint can then be made up to the tool string. By pulling the coupling back, tightening the set screw and disengaging clutch, the upper string is ready to be made up.

SPECIFICATIONS

OD IN (MM)	ID IN (MM)	CONNECTIONS BOX & PIN
1.750 (44.5)	0.650 (14.2)	1" AMMT
2.125 (54.0)	0.810 (20.6)	1 1/2" AMMT
2.875 (73.0)	0.781 (19.8)	2 3/8" PAC
3.125 (79.4)	1.000 (25.4)	2 3/8" REG