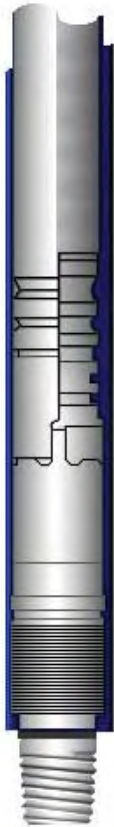


Torque-Thru Roll-On Coil Tubing Connector - TT0744



Description

High-strength construction makes the Torque-Thru Roll-On Coil Tubing Connector stronger than the Coiled Tubing string. Readily available O-ring seals ensure pressure integrity of the Coiled Tubing during downhole operations. Rotational lock prevents the connector from spinning on the Coiled Tubing when using small downhole motors or other low to mid-torque generating assemblies. A relatively large ID allows flow through the connector and for the passage of plugs, darts, or setting balls. Pulling force is not required for makeup. Reusable connectors offer multiple uses. External makeup principle avoids major ID restriction of the coiled tubing, allowing unrestricted flow. The roll-on connector contains no slips and is held in place by crimping the Coiled Tubing material into mating grooves in the connector Body. Reusable roll-on connectors offer multiple uses, and are available for all Coiled Tubing sizes and wall thickness specifications.

Operation

Prior to installing the Torque-Thru Roll-On Coil Tubing Connector, the ID of the Coiled Tubing string must be dressed with a reamer tool, and the end slotted to receive the anti-rotation keys on the connector Body. The surface is smoothed to provide a good seal for the O-rings. The connector Body is then inserted and the coiled tubing deformed using a crimping tool so it fits into the grooves of the connector Body. The Sleeve is then slipped over the Coiled Tubing and torqued up to the connector Body.

Part Number	OD		ID		Length		Maximum Tensile Load		Maximum Torsional Yield	
	in.	mm	in.	mm	in.	cm	lbf	daN	ft-lbf	N-m
TT0744-175C-095	1.750	44.5	0.656	16.7	10.800	27.4	20,000	8,896	1,200	1,627
TT0744-175C-102	1.750	44.5	0.656	16.7	10.800	27.4	20,000	8,896	1,200	1,627
TT0744-175C-109	1.750	44.5	0.656	16.7	10.800	27.4	19,000	8,451	1,200	1,627
TT0744-175C-125	1.750	44.5	0.593	15.1	10.800	27.4	27,000	12,010	1,700	2,305
TT0744-175C-134	1.750	44.5	0.593	15.1	10.800	27.4	26,000	11,565	1,700	2,305
TT0744-175C-156	1.750	44.5	0.593	15.1	10.800	27.4	23,000	10,230	1,700	2,305
TT0744-175C-145	1.750	44.5	0.593	15.1	11.800	30.0	32,700	14,545	1,200	1,627

Note: Other sizes available upon request