



Locking Swivel Joint - TT0810



Description

The Locking Swivel Joint was designed to allow the assembly of long coil tubing strings with minimum lubricator length. Many times it is necessary to have long lengths of lubricator to accommodate the tool string, creating a difficult and dangerous situation. The Locking Swivel Joint allows for sections of the tool string to be made up and lowered into the well bore.

Operation

The string is spaced out and a pup joint is inserted, allowing the pup joint to seal in the rams of the BOP. The Locking Swivel is placed on top of the section of tools and dropped in the lubricator. Pulling the coupling back and tightening the set screws, allows the clutches to disengage and lets the swivel free spin. The other section of tool string can now be assembled. Before lowering the swivel in the hole, loosen the set screws so the coupling can slide back down, engaging the clutches. If rotation is required in the tool string, simply take the brass drive pins out from under the coupling. This will prevent any back torque through the string. If ran below the motor, the clutches must be engaged and the brass drive pins installed.

Part Number	OD		ID		Length		Maximum Tensile Load		Maximum Torsional Yield	
	in.	mm	in.	mm	in.	cm	lbf	daN	ft-lbf	N-m
TT0810-168C	1.688	42.9	0.531	13.5	15.600	39.6	21,000	9,341	830	1,125
TT0810-175C	1.750	44.5	0.560	14.2	15.750	40.0	20,500	9,118	1,220	1,654
TT0810-181C	1.813	46.1	0.560	14.2	15.700	39.9	27,600	12,276	1,220	1,654
TT0810-213C	2.125	54.0	0.810	20.6	15.300	38.9	22,300	9,919	2,280	3,092
TT0810-225C	2.250	57.2	0.810	20.6	15.300	38.9	40,200	17,881	2,280	3,092
TT0810-288B	2.875	73.0	1.000	25.4	20.000	50.8	59,300	26,377	4,100	5,560
TT0810-313B	3.125	79.4	1.000	25.4	19.900	50.5	82,000	36,474	6,100	8,272