

Self Aligning Connector



10,000 PSI RATED
ULTRA RELIABLE DESIGN
METAL-TO-METAL SEAL

Description

The DTI Coiled Tubing Self Aligning Connector (SAC) is a tool that enables the connection and disconnection of the CT tool string at surface where rotation of the tool string is restricted preventing the make up of conventional threaded connections. The tapered nose of the upper connectors enables make up even when the upper and lower parts of the tool string are mis-aligned due to the inherent bend in the coiled tubing.

Once the tapered nose is fully located into the bottom sub of the Self-Aligning Connector outer threaded collars can be used to secure the connection.

As well as O-Ring sealing the tapered nose also provided a metal-to-metal seal which is useful for longer term deployments such as for coiled tubing completion and gas lift strings. This tool can be used in conjunction with the DTI Permaseal Metal to Metal Coiled Tubing Slip Connector.

Deployment and Operation

- All DTI's SAC's can be specified with a range of connections or metallurgy for a variety of applications.
- Used to connect long tool string together without the need to rotate either the upper or lower BHA.

Features & Benefits

- Tool string does not require rotation to make up connector.
- Tapered Cone for ease of make up.
- Metal to metal sealing.
- Anti-Rotation Castellations enable the tool to be torqued through.
- Two outer threaded collars to provide secure make-up.

Part Number	OD	ID	Makeup Length	Thread
SAC169AC08	1.688"	0.620"	15.50"	1.00 AMMT
SAC175AC08	1.750"	0.620"	15.50"	1.00 AMMT
SAC212AC09	2.125"	0.880"	15.50"	1.50 AMMT
SAC288AC23	2.875"	1.250"	15.50"	2.38 PAC
SAC312AC23	3.125"	1.250"	15.50"	2.38 PAC

We offer optional equipment, alternative sizes, pressure ratings, materials and thread connections. **Please contact us for more information.**

