

EXTERNAL DIMPLE CONNECTOR

APPLICATION

- Standard fishing operations
- Heavy duty fishing operations
- Drilling and milling operations
- Jetting operations
- Stabbing and spooling

FEATURES

- One piece
- Compact design
- Dual seal
- Torque compatible
- Multi-function operation
- Maximised through bore suitable for drop balls
- Tool joint or service connection

ADDITIONAL INFORMATION

- The sizes listed above are examples of common configurations.
- Bespoke designs available to suit job specific applications.
- Tools are manufactured from mild steel as standard. Other materials are available on request.
- The tensile strength of these Connectors depends on a variety of factors such as, the condition and spec of the coil it is made up to. As a general rule, the strength can be considered to be 60% of the Coiled Tubing.

The WellEnTech External Dimple Connector provides a cost effective means of connecting a tool string to Coiled Tubing. The tool is supplied with Socket Set Screws which fit into preformed dimples on the Coiled Tubing. The dimples are formed using a specialised External Dimpling Jig Assembly, also available from WellEnTech.

TECHNICAL SPECIFICATION

Coil Tubing Dia (Inches)	OD (Inches)	Connection	Service	Working Pressure (psi)	Part No.
1-1/4"	1.875	1"AMMT Pin	Std	10,000	085-1875-A002
			H ₂ S	10,000	085-1875-A001
1-1/2"	2.125	1-1/2"AMMT Pin	Std	10,000	085-2125-A004
			H ₂ S	10,000	085-2125-A003
	2.875	2-3/8" PAC Pin	Std	10,000	085-2875-A010
			H ₂ S	10,000	085-2875-A009
1-3/4"	2.125	1-1/2"AMMT Pin	Std	10,000	085-2125-A002
			H ₂ S	10,000	085-2125-A001
	2.250	1-1/2"AMMT Pin	Std	10,000	085-2250-A002
			H ₂ S	10,000	085-2250-A001
	2.875	2-3/8" PAC Pin	Std	10,000	085-2875-A008
			H ₂ S	10,000	085-2875-A007
2"	2.500	1-1/2"AMMT Pin	Std	10,000	085-2500-A002
			H ₂ S	5,000 *	085-2500-A001
	2.875	2-3/8" PAC Pin	Std	10,000	085-2875-A006
			H ₂ S	10,000	085-2875-A005
2-3/8"	2.875	2-3/8" PAC Pin	Std	10,000	085-2875-A002
			H ₂ S	5,000 *	085-2875-A001
	3.125	2-3/8" PAC Pin	Std	10,000	085-3125-A002
			H ₂ S	10,000	085-3125-A001

OPERATION

The External Dimple Connector is fitted to dressed Coiled Tubing using an External Dimpling Jig Assembly*. The Coiled Tubing is deformed into the dimples producing an extremely strong and durable connection. The dimples facilitate both axial and rotational loading, there are also two O-rings, one primary and the other a back up, giving peace of mind for high pressure applications. The Connector when fitted to the Coiled Tubing should be pull and pressure tested using a Pull Test Sub* to ensure it has been fitted correctly prior to running in hole. These Connectors are particularly suitable for milling operations.

* External Dimpling Jig Assemblies and Pressure/Pull Test Subs are available from WellEnTech

