



COILED TUBING CONNECTORS

NEXT GENERATION MILLING TECHNOLOGY

Internal Dimple Connectors are essential to make-up Coiled Tubing with downhole Bottom Hole Assemblies (BHAs). During installation, a hydraulic Dimpling Yoke & Jig apply thousands of pounds of force to dimpling buttons that line up with the dimples on the upper section (Shank) of the Connector. This process creates a strong, intimate fit that transmits the tensile as well as the torsional forces applied.

Design Features

- Robust One-Piece Design
- High Torsional & Tensile Strength
- Ideal for Jarring & Milling Applications
- Simple to Install
- Dual Elastomeric Seals
- Available for All Sizes of Coiled Tubing
- Customization Options Available

TECHNICAL SPECIFICATIONS

TOOL OD	COIL OD/ WT	TENSILE YIELD	TORSIONAL YIELD (ft-lbs)	STANDARD CONNECTION
73mm/ 2.875"	50.8mm (2.000") x 3.96mm (0.156" WT)	30,858 daNs 69,122 (lbf)	2,789	2-3/8" PAC
73mm/ 2.875"	50.8mm (2.000") x 4.45mm (0.175" WT)	31,218 daNs 69,930 lbf	2,691	2-3/8" PAC
73mm/ 2.875"	50.8mm (2.000") x 4.83mm (0.190" WT)	32,100 daNs 71,902 lbf	2,632	2-3/8" PAC
73mm/ 2.875"	73.0mm (2.375") x 3.96mm (0.156" WT)	47,366 daNs 106,100 lbf	4,871	2-3/8" PAC
73mm/ 2.875"	73.0mm (2.375") x 4.45mm (0.175" WT)	43,044 daNs 96,420 lbf	4,487	2-3/8" PAC
73mm/ 2.875"	73.0mm (2.375") x 4.83mm (0.190" WT)	42,483 daNs 95,162 lbf	4,434	2-3/8" PAC

HydroPull™
Certified

INTERNAL DIMPLE CONNECTOR- SPECIFICATIONS

TECHNICAL SPECIFICATIONS

COIL OD	WALL THICKNESS	STANDARD ID	FLOW AREA (sq inch)	O-RING	TENSILE YIELD	TORSIONAL YIELD (ft-lbs)	INTERNAL YIELD PRESSURE
31.80mm (1.25")	2.77mm (0.109")	15.09mm (0.594")	0.277	210	11,229 daNs 25,154 lbf	694	68.9 MPa 10,000 PSI
31.80mm (1.25")	2.99mm (0.118")	14.30mm (0.563")	0.249	210	10,509 daN 23,542 lbf	670	68.9 MPa 10,000 PSI
31.80mm (1.25")	3.18mm (0.125")	12.70mm (0.500")	0.196	210	11,628 daNs 26,048 lbf	668	68.9 MPa 10,000 PSI
31.80mm (1.25")	3.96mm (0.156")	11.09mm (0.437")	0.15	209	9,795 daNs 21,941 lbf	557	68.9 MPa 10,000 PSI

38.1mm/ 1.500"

38.10mm (1.500")	2.77mm (0.109")	20.65mm (0.813")	0.519	214	17,257 daNs 38,657 lbf	1,262	68.9 MPa 10,000 PSI
38.10mm (1.500")	2.99mm (0.118")	19.81mm (0.78")	0.478	214	17,473 daNs 39,140 lbf	1,235	68.9 MPa 10,000 PSI
38.10mm (1.500")	3.18mm (0.125")	19.81mm (0.78")	0.478	214	16,499 daNs 36,959 lbf	1,184	68.9 MPa 10,000 PSI
38.10mm (1.500")	3.40mm (0.134")	19.05mm (0.75")	0.442	213	16,559 daNs 37,093 lbf	1,153	68.9 MPa 10,000 PSI
38.10mm (1.500")	3.68mm (0.145")	16.66mm (0.656")	0.338	213	16,591 daNs 37,166 lbf	1,162	68.9 MPa 10,000 PSI
38.10mm (1.500")	3.96mm (0.156")	14.30mm (0.563")	0.249	213	20,095 daNs 45,015 lbf	1,162	68.9 MPa 10,000 PSI

INTERNAL DIMPLE CONNECTOR- SPECIFICATIONS

COIL OD	WALL THICKNESS	STANDARD ID	FLOW AREA (sq inch)	O-RING	TENSILE YIELD	TORSIONAL YIELD (ft-lbs)	INTERNAL YIELD PRESSURE
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TECHNICAL SPECIFICATIONS

44.45mm (1.75")	2.77mm (0.109")	26.92mm (1.06")	0.882	218	23,706 daNs 53,102 lbf	1,986	62.05 MPa 9,000 PSI
44.45mm (1.75")	3.18mm (0.125")	26.19mm (1.031")	0.835	218	22,724 daNs 50,903 lbf	1,878	62.05 MPa 9,000 PSI
44.45mm (1.75")	3.40mm (0.134")	26.3mm (1.035")	0.841	217	21,003 daNs 47,047 lbf	1,773	51.7 MPa 7,500 PSI
44.45mm (1.75")	3.68mm (0.145")	23.88mm (0.94")	0.694	217	22,909 daNs 51,317 lbf	1,853	68.9 MPa 10,000 PSI
44.45mm (1.75")	3.96mm (0.156")	23.88mm (0.94")	0.694	217	21,141 daNs 47,358 lbf	1,744	62.05 MPa 9,000 PSI
44.45mm (1.75")	4.46mm (0.175")	19.05mm (0.750")	0.442	216	27,213 daNs 60,958 lbf	1,822	68.9 MPa 10,000 PSI

50.80mm/ 2.00"

50.80mm (2.00")	3.18mm (0.125")	31.75mm (1.250")	1.227	222	30,209 daNs 67,669 lbf	2,852	63.4 MPa 10,000 PSI
50.80mm (2.00")	3.40mm (0.134")	30.18mm (1.188")	1.108	222	37,725 daNs 73,306 lbf	2,920	68.9 MPa 10,000 PSI
50.80mm (2.00")	3.68mm (0.145")	30.18mm (1.188")	1.108	222	30,622 daNs 68,595 lbf	2,763	68.9 MPa 10,000 PSI
50.80mm (2.00")	3.96mm (0.156")	28.58mm (1.125")	0.994	221	30,858 daNs 69,122 lbf	2,789	68.9 MPa 10,000 PSI
50.80mm (2.00")	4.46mm (0.175")	26.97mm (1.062")	0.886	220	31,218 daNs 69,930 lbf	2,691	68.9 MPa 10,000 PSI
50.80mm (2.00")	4.76mm (0.188")	25.40mm (1.000")	0.785	220	32,099 daNs 71,902 lbf	2,632	68.9 MPa 10,000 PSI

INTERNAL DIMPLE CONNECTOR- SPECIFICATIONS



COIL OD	WALL THICKNESS	STANDARD ID	FLOW AREA (sq inch)	O-RING	TENSILE YIELD	TORSIONAL YIELD (ft-lbs)	INTERNAL YIELD PRESSURE
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TECHNICAL SPECIFICATIONS

60.3mm (2.38")	3.40mm (0.134")	38.1mm (1.500")	1.767	225	48,903 daNs 109,543 lbf	5,023	68.9 MPa 10,000 PSI
60.3mm (2.38")	3.68mm (0.145")	38.1mm (1.500")	1.767	224	44,777 daNs 100,302 lbf	4,809	66.8 MPa 9,700 PSI
60.3mm (2.38")	3.96mm (0.156")	36.53mm (1.438")	1.624	224	47,366 daNs/ 106,100 lbf	4,871	68.9 MPa 10,000 PSI
60.3mm (2.38")	4.46mm (0.175")	36.53mm (1.438")	1.624	224	43,044 daNs 96,420 lbf	4,487	68.9 MPa 10,000 PSI
60.3mm (2.38")	4.76mm (0.188")	34.9mm (1.375")	1.785	224	42,483 daNs 95,162 lbf	4,434	68.9 MPa 10,000 PSI