

Material	Imperial	Metric
Yield Stress (min) (psi [kPa])	80,000	551,581
Yield Stress (max) (psi [kPa])	95,000	655,002
Tensile Stress (min) (psi [kPa])	95,000	655,002
Hardness (max) (HRC [HBW])	23	241
Pipe Body Data		
Outside Diameter, Nominal (in [mm])	4.500	114.30
Weight, Nominal (lbm/ft [kg/m])	11.60	17.26
Wall Thickness, Nominal (in [mm])	0.250	6.35
Inside Diameter, Nominal (in [mm])	4.000	101.60
API Drift Diameter (in [mm])	3.875	98.43
Alternate Drift Diameter (in [mm])	N/A	N/A
Cross Section, Nominal (sq.in. [mm ²])	3.338	2153.54
Pipe Performance		
Tensile Yield (lbf [N])	267,000	1,187,675
Internal Yield Pressure (psi [kPa])	7,780	53,641
Collapse Pressure (psi [kPa])	6,350	43,782
Hydrostatic Test Pressure (psi [kPa])	7,100	48,953
Connection Data		
Connection OD (in [mm])	5.000	127.00
Special Clearance OD (in [mm])	4.891	124.23
Connection ID (in [mm])	4.000	101.60
Coupling Length (min) (in [mm])	8.000	203.20
Make-up Loss (in [mm])	4.000	101.60
Threads per Inch (pitch [mm])	5.000	5.08
Torques (Make-Up, Operational, Yield)		
Minimum (lbf-ft [N.m])	1,600	2,170
Optimum (lbf-ft [N.m])	2,000	2,710
Maximum (lbf-ft [N.m])	3,400	4,610
Max Operational, 1.176 S.F. (lbf-ft [N.m])	4,600	6,240
Yield (lbf-ft [N.m])	5,360	7,270

All connection performance and torque values are calculated (to be verified by testing).

Inspection Criteria: All the material is inspected to 10% Test notch inspection for OD/ID, Long/Trans and wall check per API/ASTM requirements though EMI/SEA.

Note: All the information provided is general data. This is not any kind of warranty/quality certificate. Tejas Tubular has the right to change this data at any time for product improvement. This is a non-controlled document. TTXS and Tejas Tubular logo are marks of Tejas Tubular Products, Inc.

SIZE: 4.5 in. [114.3]
 WEIGHT: 11.6 lbm/ft [17.26]
 GRADE: L-80
 CONNECTION: TTXS
 Pin to Pin

Connection Performance	
Tensile Efficiency (% of pipe Body)	100%
Internal Yield Pressure (% of pipe Body)	100%
External yield pressure (% of pipe Body)	100%
Compression Efficiency (% of pipe Body)	100%
Bending rate, with sealability (°/100 ft)	20°



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