

Alternate Drift Diameter (in [mm])

Cross Section, Nominal (sq.in. [mm2])

Hydrostatic Test Pressure (psi [kPa])

Material **Imperial** Metric Yield Stress (min) (psi [kPa]) 110,000 758,423 Yield Stress (max) (psi [kPa]) 965,266 140,000 Tensile Stress (min) (psi [kPa]) 125,000 861.845 Hardness (max) (HRC [HBW]) N/A N/A Pipe Body Data Outside Diameter, Nominal (in [mm]) 4.500 114.30 Weight, Nominal (lbm/ft [kg/m]) 13.50 20.09 Wall Thickness, Nominal (in [mm]) 0.290 7.37 Inside Diameter, Nominal (in [mm]) 3.920 99.57 API Drift Diameter (in [mm]) 3.795 96.39

Pipe Performance Tensile Yield (lbf [N]) 422,000 1,877,149 Internal Yield Pressure (psi [kPa]) 12,410 85,564 Collapse Pressure (psi [kPa]) 12,990 89,563

N/A

3.836

10,000

N/A

2474.83

68,948

Connection Data		
Connection OD (in [mm])	5.250	133.35
Special Clearance OD (in [mm])	4.875	123.83
Connection ID (in [mm])	3.920	99.57
Coupling Length (min) (in [mm])	7.875	200.03
Make-up Loss (in [mm])	3.938	100.03

Threads per Inch (pitch [mm])	5.000	5.08
Torque Capacity		

Minimum MOT (IDI-IL[N.M])	7,900	10,710
Optimum MUT (lbf-ft [N.m])	10,500	14,240
Maximum MUT (lbf-ft [N.m])	13,100	17,760
Rotating Torque (lbf-ft [N.m])	13,100	17,760

Connection performance values and torques are extrapolated from tested sizes and grades.

Inspection Criteria: All the material is inspected to 5% Test notch inspection for OD/ID, Long/Trans and wall check per API/ASTM requirements though EMI/SEA.

15,400

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 the Tejas Tubular logo are marks of Tejas Tubular Products, Inc.

20.880

TTXS (Pin to Pin)

Casing Connection

SIZE: 4.5 in. [114.3]

WEIGHT: 13.5 lbm/ft [20.09]

GRADE: HCP-110

CONNECTION: TTXS

High Collapse

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, pipe body (º/100 ft)	20°	



Yield Torque (lbf-ft [N.m])

^{1.} Yield Torque - Beyond this value the connection will not drift with the standard API drift diameter.

^{2.} Rotating Torque - Recommended maximum torque when rotating the string (calculated as 85% of the Yield Torque, Safety Factor = 1.176).

^{3.} Tensile Yield - Maximum weight that can be pulled on the sting.