

Material	Imperial	Metric
Yield Stress (min) (psi [kPa])	110,000	758,423
Yield Stress (max) (psi [kPa])	140,000	965,266
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])	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])	367,200	1,633,386
Internal Yield Pressure (psi [kPa])	10,690	73,705
Collapse Pressure (psi [kPa])	10,230	70,533
Hydrostatic Test Pressure (psi [kPa])	9,800	67,569
Connection Data		
Connection OD (in [mm])	5.000	127.00
Special Clearance OD (in [mm])	N/A	N/A
Connection ID (in [mm])	4.000	101.60
Coupling Length (min) (in [mm])	8.875	225.43
Make-up Loss (in [mm])	3.938	100.03
Threads per Inch (pitch [mm])	5.000	5.08
Torques (Make-Up, Operational, Yield)		
Minimum (lbf-ft [N.m])	4,900	6,640
Optimum (lbf-ft [N.m])	5,300	7,190
Maximum (lbf-ft [N.m])	6,700	9,080
Max Operational, 1.176 S.F. (lbf-ft [N.m])	7,058	9,570
Yield (lbf-ft [N.m])	8,300	11,250

SIZE: 4.5 in. [114.3]
WEIGHT: 11.6 lbm/ft [17.26]
GRADE: HCP-110
CONNECTION: TTRS1
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, with sealability (°/100 ft)	20°



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.

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. TTRS and Tejas Tubular logo are marks of Tejas Tubular Products, Inc.

Technical Support:

8799 North Loop East, Suite 300
Houston, TX 77029

Local: 713-631-0071 • Toll Free: 1-800-469-7549
licenseesupport@tejastubular.com

© 2015 Tejas Tubular Products, Inc.
www.tejastubular.com