

Material Properties	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 Dimensions & Weight		
Outside Diameter, Nominal (in [mm])	7.000	177.80
Weight, Nominal (lbm/ft [kg/m])	29.00	43.16
Wall Thickness, Nominal (in [mm])	0.408	10.36
Inside Diameter, Nominal (in [mm])	6.184	157.07
API Drift Diameter (in [mm])	6.059	153.90
Alternate Drift Diameter (in [mm])	6.125	155.58
Cross Section, Nominal (sq.in. [mm ²])	8.449	5451
Pipe Load Capacities		
Tensile Yield (lbf [N])	929,400	4,134,176
Internal Yield Pressure (psi [kPa])	11,220	77,359
Collapse Pressure (psi [kPa])	11,080	76,394
Hydrostatic Test Pressure (psi [kPa])	10,000	68,948
Connection Dimensions		
Connection OD (in [mm])	7.875	200.03
Special Clearance OD (in [mm])	7.375	187.33
Connection ID (in [mm])	6.184	157.07
Coupling Length (min) (in [mm])	9.625	244.48
Make-up Loss (in [mm])	4.349	110.46
Threads per Inch (pitch [mm])	6	4.23
Connection Torque Capacities		
Minimum Make-up (lbf-ft [N.m])	12,600	17,080
Recommended Make-up (lbf-ft [N.m])	13,000	17,630
Maximum Make-up (lbf-ft [N.m])	14,400	19,520
Recommended Operating (lbf-ft [N.m])	26,800	36,340
Yield (lbf-ft [N.m])	N/A	N/A

SIZE: 7 in [177.8 mm]
WEIGHT: 29 lbm/ft [43.16 kg/m]
GRADE: HCP-110
CONNECTION: TTNY
 High Collapse

Connection Load Capacities	
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



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

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.

1. Yield Torque - Pressure seal is no more guaranteed.
2. Operating Torque - Recommended maximum torque when rotating the string, often the Yield Torque with a Safety Factor in it (85% of Yield Torque).
3. Tensile Yield - Maximum weight that can be pulled on the string.

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. TTRS1, TTXS, TTNY, TTUS, TTS-8, TTS-8 CI, TTS-8 CIGL, TTS-6, TTIB, TTFJ and the Tejas Tubular logo are marks of Tejas Tubular Products, Inc.

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