

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])	5.500	139.70
Weight, Nominal (lbm/ft [kg/m])	20.00	29.76
Wall Thickness, Nominal (in [mm])	0.361	9.17
Inside Diameter, Nominal (in [mm])	4.778	121.36
API Drift Diameter (in [mm])	4.653	118.19
Alternate Drift Diameter (in [mm])	N/A	N/A
Cross Section, Nominal (sq.in. [mm <sup>2</sup> ])	5.828	3759.99
Pipe Performance		
Tensile Yield (lbf [N])	466,200	2,073,760
Internal Yield Pressure (psi [kPa])	9,190	63,363
Collapse Pressure (psi [kPa])	10,550	72,740
Hydrostatic Test Pressure (psi [kPa])	8,400	57,916
Connection Data		
Connection OD (in [mm])	6.300	160.02
Special Clearance OD (in [mm])	5.875	149.23
Connection ID (in [mm])	4.778	121.36
Coupling Length (min) (in [mm])	8.250	209.55
Make-up Loss (in [mm])	4.125	104.78
Threads per Inch (pitch [mm])	5.000	5.08
Torque Capacity		
Minimum MUT (lbf-ft [N.m])	9,700	13,150
Optimum MUT (lbf-ft [N.m])	12,500	16,950
Maximum MUT (lbf-ft [N.m])	15,300	20,740
Rotating Torque (lbf-ft [N.m])	15,300	20,740
Yield Torque (lbf-ft [N.m])	18,000	24,400

SIZE: 5.5 in. [139.7]  
 WEIGHT: 20 lbm/ft [29.76]  
 GRADE: HCL-80  
 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 ( <sup>o</sup> /100 ft)	67



Connection performance values and torques are extrapolated from extensively tested and field-proven sizes and grades.

**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.

**Definitions**

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

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