

SIZE: 4.5 inch [114.3 mm]

WEIGHT: 15.5 lbm/ft [23.07 kg/m]

GRADE: P-110

Interchangeable with PH6, BTS6, RTS6, NTS6, WTS6, etc.

Material Properties	Imperial	Metric
Yield Stress, Minimum (psi [kPa])	110,000	758,423
Yield Stress, Maximum (psi [kPa])	140,000	965,266
Tensile Stress, Minimum (psi [kPa])	125,000	861,845
Hardness, Maximum (HRC [HBW])	N/A	N/A
Pipe Dimensions & Weight		
Outside Diameter, Nominal (in [mm])	4.500	114.30
Weight, Nominal (lbm/ft [kg/m])	15.50	23.07
Wall Thickness, Nominal (in [mm])	0.337	8.56
Inside Diameter, Nominal (in [mm])	3.826	97.18
API Drift Diameter (in [mm])	3.701	94.01
Tool Joint Drift Diameter (in [mm])	3.671	93.25
Tool-Joint Diameter, Minimum (in [mm])	5.125	130.18
Tool-Joint Length, Minimum (in [mm])	8.000	203.20
Cross Section, Nominal (sq.in. [mm ²])	4.407	2843.22
Pipe Load Capacities		
Tensile Yield (lbf [N])	484,800	2,156,497
Internal Yield Pressure (psi [kPa])	14,420	99,422
Collapse Pressure (psi [kPa])	14,340	98,871
Torsional Yield (lbf-ft [N.m])	45,180	61,260
Hydrostatic Test Pressure (psi [kPa])	10,000	68,948
Bending rate (°/100 ft [°/30 m])	112	110
Connection Dimensions		
Connection OD (in [mm])	5.125	130.18
Special Clearance OD (in [mm])	5.021	127.53
Connection ID (in [mm])	3.765	95.63
Coupling Length, Minimum (in [mm])	N/A	N/A
Make-up Loss (in [mm])	3.340	84.84
Threads per Inch (pitch [mm])	6.000	4.23
Connection Torque Capacities		
Low Shoulder Torque (lbf-ft [N.m])	1,150	1,560
High Shoulder Torque (lbf-ft [N.m])	5,750	7,800
Minimum Make-up Torque (lbf-ft [N.m])	6,000	8,130
Optimum Make-up Torque (lbf-ft [N.m])	6,750	9,150
Maximum Make-up Torque (lbf-ft [N.m])	7,500	10,170
Rotating Torque (lbf-ft [N.m])	27,200	36,880
Yield Torque (lbf-ft [N.m])	34,000	46,100

Connection Load Capacities	
Tensile Efficiency (% of pipe body)	113
Internal Yield Pressure (% of pipe body)	100
External Yield pressure (psi)	25,320
Leak Resistance Pressure (psi)	radial m2m seal
Compression Efficiency (% of pipe body)	113
Torque Efficiency (% of pipe body)	75
Bending Strength Ratio (BSR)	1.63



Material is EMI/SEA inspected to 5% notch, over OD/ID, long/trans and wall thickness orientations, per API/ASTM requirements

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