

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])	2.375	60.33
Weight, Nominal (lbm/ft [kg/m])	4.70	6.99
Wall Thickness, Nominal (in [mm])	0.190	4.83
Inside Diameter, Nominal (in [mm])	1.995	50.67
API Drift Diameter (in [mm])	1.901	48.29
Upset-End Diameter, Minimum (in [mm])	2.700	68.58
Upset-End Length, Maximum (in [mm])	3.500	88.90
Cross Sectional Area, Nominal (sq.in. [sq.mm])	1.304	841.29
Pipe Load Capacities		
Tensile Yield (lbf [N])	143,400	637,875
Internal Yield Pressure (psi [kPa])	15,400	106,179
Collapse Pressure (psi [kPa])	16,130	111,212
Torsional Yield (lbf-ft [N.m])	6,990	9,480
Hydrostatic Test Pressure (psi [kPa])	10,000	68,948
Bending rate (°/100 ft [°/30 m])	212	209
Connection Dimensions		
Connection OD (in [mm])	2.700	68.58
Special Clearance** OD (in [mm])	N/A	N/A
Connection ID (in [mm])	1.995	50.67
Coupling Length, Minimum (in [mm])	N/A	N/A
Make-up Loss (in [mm])	2.132	54.15
Threads per Inch (pitch [mm])	7.000	3.63
Connection Torque Capacities		
Low Shoulder Torque (lbf-ft [N.m])	250	340
High Shoulder Torque (lbf-ft [N.m])	1,250	1,690
Minimum Make-up Torque (lbf-ft [N.m])	1,500	2,030
Optimum Make-up Torque (lbf-ft [N.m])	2,000	2,710
Maximum Make-up Torque (lbf-ft [N.m])	2,500	3,390
Rotating Torque* (lbf-ft [N.m])	3,700	5,020
Yield Torque (lbf-ft [N.m])	3,900	5,290

* AS RESTRICTED BY WORKOVER RIG EQUIPMENT (POWER SWIVEL, TOP DRIVE OR ROTARY TABLE)

** Listed Rotating / Yield Torques and Connection Load Capacities have to be recalculated for Special Clearance OD.

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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SIZE: 2.375 inch [60.33 mm]

WEIGHT: 4.7 lbm/ft [6.99 kg/m]

GRADE: P-110

Integral Joint, Flush ID, Hi-Torque, Reduced Hoop Stress Connection for Production

Connection Load Capacities

Tensile Efficiency (% of pipe body)	100
Internal Yield Pressure (% of pipe body)	100
External Yield pressure (psi)	N/A
Leak Resistance Pressure (psi)	16,700
Compression Efficiency (% of pipe body)	85
Torque Efficiency (% of pipe body)	56
Bending rate (degrees per 100 ft)	20.00

