

Material Properties	Imperial	Metric
Yield Stress, Minimum (psi [kPa])	80,000	551,581
Yield Stress, Maximum (psi [kPa])	95,000	655,002
Tensile Stress, Minimum (psi [kPa])	95,000	655,002
Hardness, Maximum (HRC [HBW])	23	241
Pipe Dimensions & Weight		
Outside Diameter, Nominal (in [mm])	2.875	73.03
Weight, Nominal (lbm/ft [kg/m])	6.50	9.67
Wall Thickness, Nominal (in [mm])	0.217	5.51
Inside Diameter, Nominal (in [mm])	2.441	62.00
API Drift Diameter (in [mm])	2.347	59.62
Upset-End Diameter, Minimum (in [mm])	3.200	81.28
Upset-End Length, Maximum (in [mm])	4.000	101.60
Cross Sectional Area, Nominal (sq.in. [sq.mm])	1.812	1169.03
Pipe Load Capacities		
Tensile Yield (lbf [N])	145,000	644,992
Internal Yield Pressure (psi [kPa])	10,570	72,878
Collapse Pressure (psi [kPa])	11,170	77,014
Torsional Yield (lbf-ft [N.m])	8,620	11,690
Hydrostatic Test Pressure (psi [kPa])	9,700	66,879
Bending rate (°/100 ft [°/30 m])	128	126
Connection Dimensions		
Connection OD (in [mm])	3.200	81.28
Special Clearance** OD (in [mm])	N/A	N/A
Connection ID (in [mm])	2.441	62.00
Coupling Length, Minimum (in [mm])	N/A	N/A
Make-up Loss (in [mm])	2.632	66.85
Threads per Inch (pitch [mm])	7.000	3.63
Connection Torque Capacities		
Low Shoulder Torque (lbf-ft [N.m])	550	750
High Shoulder Torque (lbf-ft [N.m])	2,750	3,730
Minimum Make-up Torque (lbf-ft [N.m])	3,000	4,070
Optimum Make-up Torque (lbf-ft [N.m])	3,500	4,750
Maximum Make-up Torque (lbf-ft [N.m])	4,000	5,420
Rotating Torque* (lbf-ft [N.m])	4,400	5,970
Yield Torque (lbf-ft [N.m])	4,600	6,240

* 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 10% notch, over OD/ID, long/trans and wall thickness orientations, per API/ASTM requirements.

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SIZE: 2.875 inch [73.03 mm]
WEIGHT: 6.5 lbm/ft [9.67 kg/m]
GRADE: L-80 1Cr

Light Sour/Sweet Service Applications, 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)	12,170
Compression Efficiency (% of pipe body)	85
Torque Efficiency (% of pipe body)	53
Bending rate (degrees per 100 ft)	20.00

