

SIZE: 3.5 inch [88.9 mm]

WEIGHT: 12.95 lbm/ft [19.27 kg/m]

GRADE: L-80

Interchangeable with PH6, BTS6, RTS6, NTS6, WTS6, etc. Can be equipped with 3/4 inch wide hardband on the box or both ends

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])	3.500	88.90
Weight, Nominal (lbm/ft [kg/m])	12.95	19.27
Wall Thickness, Nominal (in [mm])	0.375	9.53
Inside Diameter, Nominal (in [mm])	2.750	69.85
API Drift Diameter (in [mm])	2.625	66.68
Upset-End Diameter, Minimum (in [mm])	N/A	N/A
Upset-End Length, Maximum (in [mm])	N/A	N/A
Cross Sectional Area, Nominal (sq.in. [sq.mm])	3.682	2375.48
Pipe Load Capacities		
Tensile Yield (lbf [N])	294,600	1,310,446
Internal Yield Pressure (psi [kPa])	15,000	103,421
Collapse Pressure (psi [kPa])	15,310	105,559
Torsional Yield (lbf-ft [N.m])	20,040	27,170
Hydrostatic Test Pressure (psi [kPa])	10,000	68,948
Bending rate (°/100 ft [°/30 m])	105	103
Connection Dimensions		
Coupling OD (in [mm])	4.313	109.55
Special Clearance** OD (in [mm])	4.189	106.40
Connection ID (in [mm])	2.687	68.25
Tool-Joint Length (in [mm])	9.000	228.60
Make-up Loss (in [mm])	3.350	85.09
Threads per Inch (pitch [mm])	6.000	4.23
Connection Torque Capacities		
Low Shoulder Torque (lbf-ft [N.m])	1,350	1,830
High Shoulder Torque (lbf-ft [N.m])	6,750	9,150
Minimum Make-up Torque (lbf-ft [N.m])	7,000	9,490
Optimum Make-up Torque (lbf-ft [N.m])	7,875	10,680
Maximum Make-up Torque (lbf-ft [N.m])	8,750	11,860
Rotating Torque* (lbf-ft [N.m])	16,300	22,100
Yield Torque (lbf-ft [N.m])	20,400	27,660

* 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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Connection Load Capacities	
Tensile Efficiency (% of pipe body)	136
Internal Yield Pressure (% of pipe body)	100
External Yield pressure (psi)	24,470
Leak Resistance Pressure (psi)	radial m2m seal
Compression Efficiency (% of pipe body)	136
Torque Efficiency (% of pipe body)	102
Bending Strength Ratio (BSR)	1.53

