

## DRILL PIPE PERFORMANCE CHARACTERISTICS SHEET

Pipe Size and Weight: 3.5" x 13.3PPf   Pipe Grade: G   Range: 2   Tool Joint: 4.75" x 2.688" NC38
Pipe Grade:   G   Range:   2
Range: 2   Tool Joint: 4.75" x 2.688" NC38
Tool Joint:
Dimensional Data
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OD (in)   3.500
Wall thickness (in)   0.368     Minimum wall (%)   95.0     ID (in)   2.764     Cross sectional area pipe body (in²)   3.621     Cross sectional area OD (in²)   9.621     Cross sectional area ID (in²)   6.000     Section modulus (in²)   2.572     Polar section modulus (in³)   5.144     Performance Data   New     Torsional strength (ft-lbs)   25,972     Tensile strength (lbs)   380,197     80% Torsional strength (ft-lbs)   20,778     Burst Pressure capacity (psi)   19,320     Collapse capacity (psi)   19,758     COL JOINT     Dimensional Data   New     OD (in)   4.750     ID (in)   2.688     Pin tong length (in)   10     Box tong length (in)   12.5     Connection   NC38     Performance Data   New     Torsional Strength (ft-lbs)   18,072     Max Recommended Make-up Torque (ft-lbs)   8,132     Tensile strength (lbs)   587,308     Tool joint/Drill pipe torsional ratio (New pipe)   0.70     Drill pipe assembly with NC38 tool joint     Average length (ft)   31.5
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Note: Tool Joint and Pipe body values were derived as per API RP 7G and DS1 Latest edition. The above values are for refrence only. DPI LLC is not responsible or liable for any loss or damage or injury resulting from the use of above information. All data described are the users own risk & responsibility.