

DRILL PIPE PERFORMANCE CHARACTERISTICS SHEET

Pipe Size and Weight: 4" x 14.0 PPf Pipe Grade: G Range: RII Tool Joint: 5" x 2.563" DPHT38 PIPE Dimensional Data New OD (in) 4.000 Wall thickness (in) 0.33 Minimum wall (%) 95.0 ID (in) 3.34 Cross sectional area pipe body (in²) 3.805 Cross sectional area OD (in²) 12.566 Cross sectional area ID (in²) 8.762 Section modulus (in²) 3.229 Polar section modulus (in²) 3.229 Polar section modulus (in²) 32,603 Tensile strength (Ibs) 399,502 80% Torsional strength (Ibs) 399,502 80% Torsional strength (ft-lbs) 26,082 Burst Pressure capacity (psi) 15,159 Collapse capacity (psi) 15,896 TOOL JOINT Dimensional Data OD (in) 5.000 ID (in) 2.563 Pin tong length (in) 10 Box tong length (in) 15.5	31.5
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Performance Data New	
Torsional Strength (ft-lbs) 29,667	
Max Recommended Make-up Torque (ft-lbs) 17,800	
Min Recommended Make-up Torque (ft-lbs) 13,350	
Tensile strength (lbs) 634,557	
Tool joint/Drill pipe torsional ratio (New pipe) 0.91	_
	,
	10"
Drill pipe assembly with DPH 138 tool joint	
Average length (ft) 31.5	
Drift size (in) 2.438	

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.