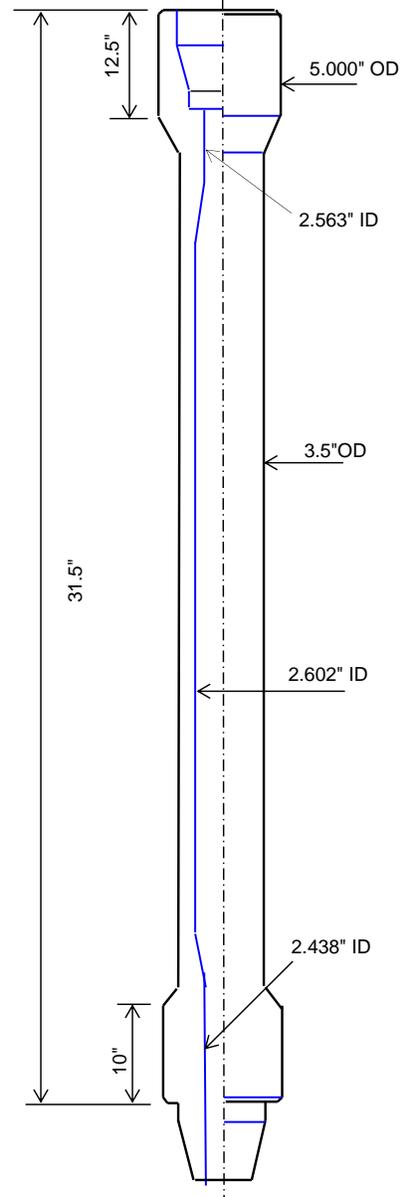


DRILL PIPE PERFORMANCE CHARACTERISTICS SHEET

DRILL PIPE	
Pipe Size and Weight:	3.5" x 15.5PPf
Pipe Grade:	G
Range:	2
Tool Joint:	5.00" x 2.438" NC38
PIPE	
Dimensional Data	New
OD (in)	3.500
Wall thickness (in)	0.449
Minimum wall (%)	95.0
ID (in)	2.602
Cross sectional area pipe body (in²)	4.304
Cross sectional area OD (in²)	9.621
Cross sectional area ID (in²)	5.317
Section modulus (in³)	2.923
Polar section modulus (in³)	5.847
Performance Data	New
Torsional strength (ft-lbs)	29,520
Tensile strength (lbs)	451,885
80% Torsional strength (ft-lbs)	23,616
Burst Pressure capacity (psi)	23,573
Collapse capacity (psi)	23,484
TOOL JOINT	
Dimensional Data	New
OD (in)	5.000
ID (in)	2.438
Pin tong length (in)	10
Box tong length (in)	12.5
Connection	NC38
Performance Data	New
Torsional Strength (ft-lbs)	22,213
Max Recommended Make-up Torque (ft-lbs)	13,328
Min Recommended Make-up Torque (ft-lbs)	9,996
Tensile strength (lbs)	708,063
Tool joint/Drill pipe torsional ratio (New pipe)	0.75
Drill pipe assembly with NC38 tool joint	
Average length (ft)	31.5
Drift size (in)	2.313



Note: Tool Joint and Pipe body values were derived as per API RP 7G and DS1 Latest edition. The above values are for reference only. DPI LLC is not responsible or liable for any loss or damage or injury resulting from the use of above information.