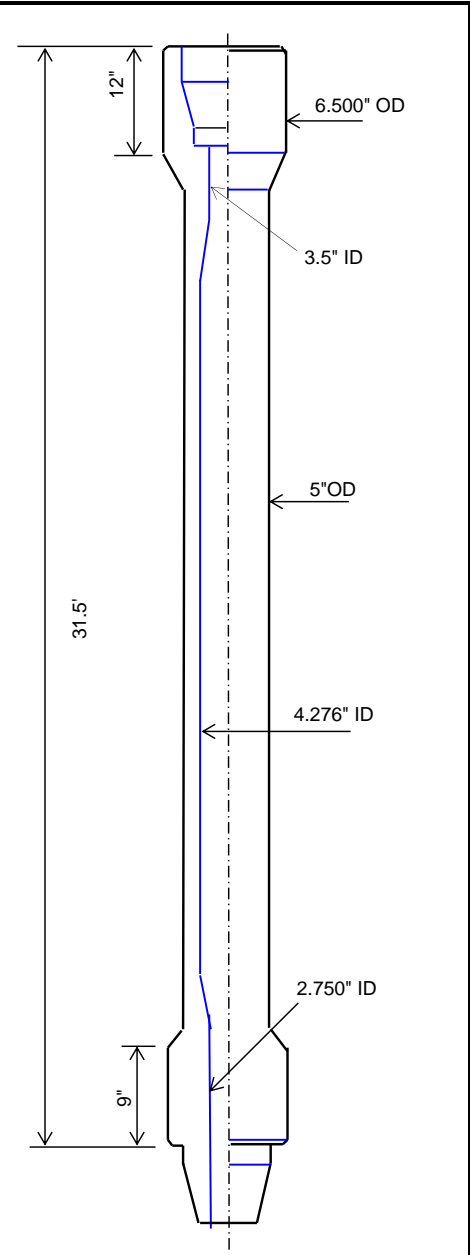


DRILL PIPE PERFORMANCE CHARACTERISTICS SHEET

DRILL PIPE	
Pipe Size and Weight:	5" x 19.5PPf
Pipe Grade:	S
Range:	2
Tool Joint:	6.1/2" x 2.75" NC50
PIPE	
Dimensional Data	New
OD (in)	5.000
Wall thickness (in)	0.362
Minimum wall (%)	95.0
ID (in)	4.276
Cross sectional area pipe body (in²)	5.275
Cross sectional area OD (in²)	19.635
Cross sectional area ID (in²)	14.360
Section modulus (in³)	5.708
Polar section modulus (in³)	11.415
Performance Data	New
Torsional strength (ft-lbs)	74,100
Tensile strength (lbs)	712,070
80% Torsional strength (ft-lbs)	59,280
Burst Pressure capacity (psi)	17,105
Collapse capacity (psi)	15,667
TOOL JOINT	
Dimensional Data	New
OD (in)	6.500
ID (in)	2.750
Pin tong length (in)	9
Box tong length (in)	12
Connection	NC50
Performance Data	New
Torsional Strength (ft-lbs)	56,984
Max Recommended Make-up Torque (ft-lbs)	34,191
Min Recommended Make-up Torque (ft-lbs)	25,643
Tensile strength (lbs)	1,532,503
Tool joint/Drill pipe torsional ratio (New pipe)	0.77
Drill pipe assembly with NC50 tool joint	
Average length (ft)	31.5
Drift size (in)	2.625



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.