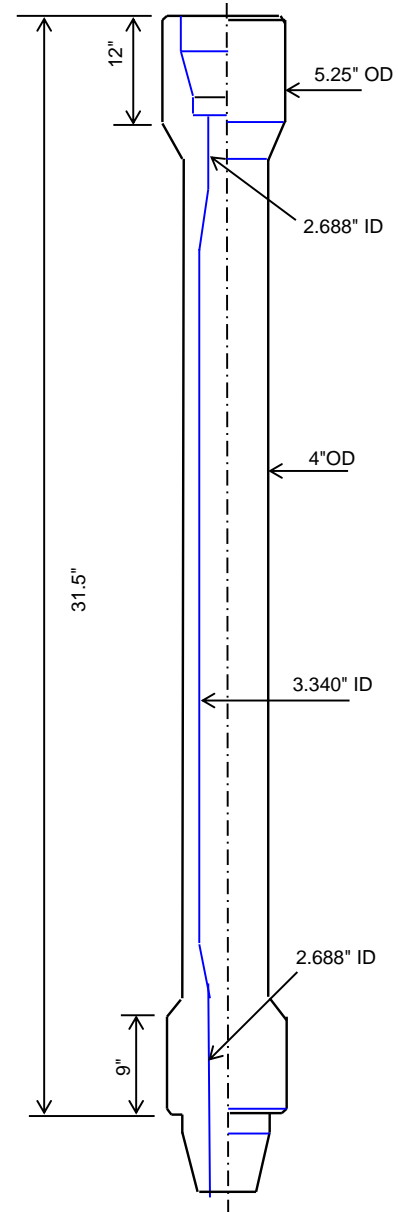


DRILL PIPE PERFORMANCE CHARACTERISTICS SHEET

DRILL PIPE	
Pipe Size and Weight:	4" x 14.0 PPf
Pipe Grade:	S
Range:	2
Tool Joint:	5.1/4" x 2.688" NC40
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 (in³)	3.229
Polar section modulus (in³)	6.458
Performance Data	New
Torsional strength (ft-lbs)	41,918
Tensile strength (lbs)	513,646
80% Torsional strength (ft-lbs)	33,534
Burst Pressure capacity (psi)	19,491
Collapse capacity (psi)	20,137
TOOL JOINT	
Dimensional Data	New
OD (in)	5.250
ID (in)	2.688
Pin tong length (in)	9
Box tong length (in)	12
Connection	NC40
Performance Data	New
Torsional Strength (ft-lbs)	25,665
Max Recommended Make-up Torque (ft-lbs)	15,399
Min Recommended Make-up Torque (ft-lbs)	11,549
Tensile strength (lbs)	776,406
Tool joint/Drill pipe torsional ratio (New pipe)	0.61
Drill pipe assembly with NC40 tool joint	
Average length (ft)	31.5
Drift size (in)	2.563
Note: Hardbanding - Arnco 150XT on Box	



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. All data described are the users own risk & responsibility.