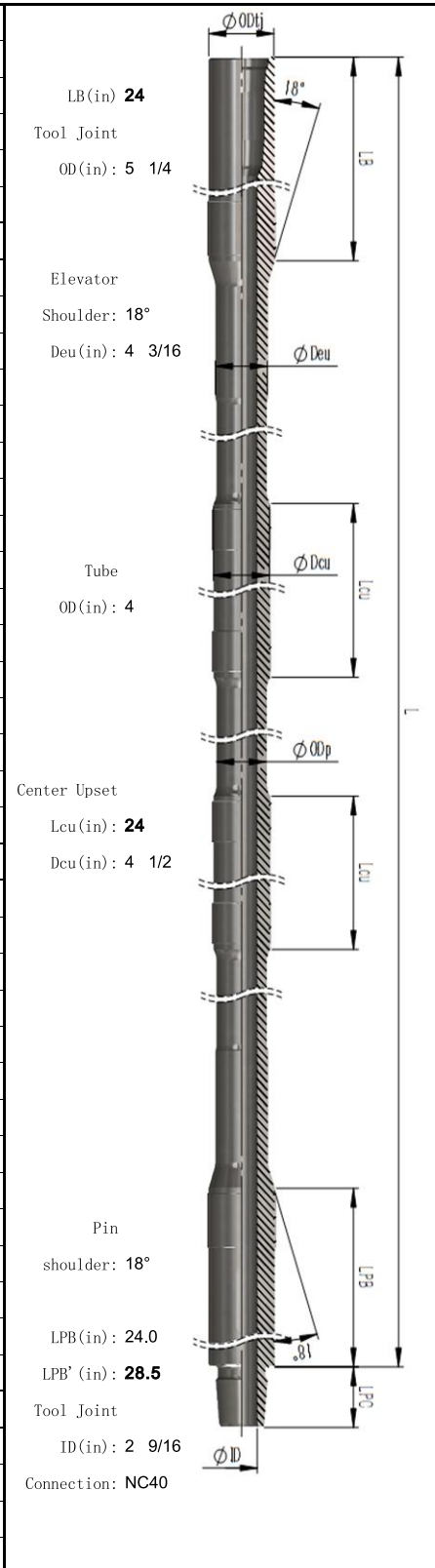




# Moose Dokter Ltd.

Heavy Weight Drill Pipe Performance Datasheet			
Pipe Size and Weight:		OD 4	ID 2 9/16
Pipe Grade:		55ksi	
Range:		Total length	43±0.5ft
Tool Joint:		NC40 5 1/4 "OD 2 9/16 "ID	
Stress-relief features		Yes	
<b>Pipe</b>			
Dimensional Data		New	80.0 %WT
OD(in)		4.000	3.713
Wall thickness(in)		0.719	0.575
ID(in)		2.563	2.563
Cross sectional area pipe body(in <sup>2</sup> )		7.409	5.668
Cross sectional area OD(in <sup>2</sup> )		12.566	10.825
Cross sectional area ID(in <sup>2</sup> )		5.157	5.157
Section modulus(in <sup>3</sup> )		5.225	3.883
Polar section modulus(in <sup>3</sup> )		10.450	7.766
Performance Data		Material Yield Strength	55000 psi
		Torsional strength(ft-lbs)	27600
		Tensile strength(lbs)	407500
		80% Torsional strength(ft-lbs)	22100
		Pressure capacity (psi)	17295
		Collapse capacity (psi)	16214
<b>Tool Joint</b>			
Dimensional Data			
OD(in)		5 1/4	
ID(in)		2 9/16	
Pin tong length(in)		24.0	
Box tong length(in)		24.0	
Make-up loss (MUL) (in)		4.5	
Performance Data		Material Yield Strength	110000 psi
		Torsional strength(ft-lbs)	22300
		Max Recommended Make-up Torque(ft-lbs)	13400
		Min Recommended Make-up Torque(ft-lbs)	11200
		Balance OD(in)	5.098
		Tensile strength(lbs)	661900
Tool joint/Drill pipe torsional ratio(New pipe)		0.81	
Drill pipe assembly with tool joint			
Adjusted weight (lbs/ft)		28.86	
Fluid displacement (gal/ft)		0.441	
Fluid capacity (gal/ft)		0.268	
Drift size(in)		2 5/16	



*\*For Reference Only*