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PERFORMANCE PROPERTIES

4” Heavy-Weight Drill Pipe w/5” OD w/3,1/2” IF Tough Torque (TT38) Connections

Pipe Properties

OD	4.000 in.
Wall Thickness	0.719 in.
ID	2.563 in.
Pipe Body Area	7.409 in ²
OD Area	12.566 in ²
ID Area	5.157 in ²
Section Modulus	5.225 in ³
Polar Section Modulus	10.450 in ³
Tube Yield Strength	55,000 psi
Torsional Strength	27.636 ft.lbs.
Tensile Strength	407,502 lbs.
Burst Pressure	17,295 psi
Collapse Pressure	16,214 psi

Tool Joint Properties

OD	5 in.
ID	2, 9/16 in.
Pin Length	27 in.
Box Tong	21 in.
Tool Joint Yield Strength	110,000 psi
Torsional Strength	25,173 ft.lbs.
Recommended Makeup Torque	14,303 ft.lbs.
Tensile Strength	595,061 lbs.
BSR	2.69

Assembly Properties

Overall Length	31.0 feet
Est. Open Ended Displacement	.44 gal/ft
Est. Closed End Displacement	.71 gal/ft
Est. Capacity	0.27 gal/ft
Est. Weight per Foot	28.98 lbs/ft
Est. Weight per Joing	889 lbs

3,1/2” IF Tough Torque (NC38TT) Connections are interchangeable with API 3,1/2” IF (NC38) Connections

New Pipe Sepcifications.

Do not exceed 80% of pipe yield, pressures or recommended makeup torque without approval from Viper Rentals & Services Ltd.