

Drill Pipe Performance Sheet

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Grant Prideco | NOV Wellbore Technologies

Pipe Body Specification

Pipe Body OD	in	4.0
Pipe Body Wall Thickness - Nominal Weight		0.330 in - 14 lb/ft
Pipe Body Grade		TSS105™
Drill Pipe Length		Range 2
- Max	ft	32.0
- Min	ft	30.0
Type of Upset		IU
Max Upset OD	in	4.188
Tong length includes handbending if applicable		

Pipe Body Performance

		Nominal	API Premium 80% Inspection Class
Burst Pressure *	psi	15,160	13,900
Collapse Pressure *	psi	15,900	11,620
Slip Crushing Capacity *	lbs	300,400	238,300
- Assumed Slip Length	in		16.5
- Assumed Transverse Load Factor (K)			4.2
Adjusted Weight **	lbs/ft		16.36
Fluid Displacement **	US gal/ft		0.25
	bbbls/ft		0.006
Fluid Capacity **	US gal/ft		0.43
	bbbls/ft		0.0101
* With no axial load or bending in string		** Best estimate with coating	
Note: Oil field barrel equivalent to 42 US gal		Note: Nominal burst calculated at 87.5% RBW per API	

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Tool Joint Specification

Connection Type and Size		XT™39
Benchmark		H-Series™
SmoothEdge™ Height per side	in	N/A
Tool Joint SMYS	psi	120,000
Connection OD	in	4.875
Connection ID	in	2.563
Pin Tong Length	in	10.0
Box Tong Length	in	15.0
Thread Compound Friction Factor		1.0

Tool Joint Performance

Max Make-Up Torque (Recommended)	ft-lbs	22,200
Min Make-Up Torque	ft-lbs	18,500
Min TJ OD (API Premium)	in	4.653
Min TJ OD for Counterbore	in	4.653
Drift Size	in	2.438
The maximum make-up torque should be applied when possible.		
To maximize connection operational lifetime, a MUT (Tq) = 19,000 should be applied.		

Advisories and Warnings for Drill Pipe

Advisories:

Warnings: