

DRILL PIPE PERFORMANCE DATA SHEET

IMPERIAL UNIT

5 25.60 lb/ft IEU G105 Pipe Size & Weight: Pipe Grade: Range:

6.625 X 2.75 NC50 Tool Joint:

DRILL PIPE DIMENSIONS & MATERIALS		DRIII PIPE WEAR & MECHANICAL BEBEARING			1
PIPE	NEW	DIDE	NEW	PREMIUM	
Pipe size	in 5_25.60_lb/ft_lEU	CO	200		
Pipe Grade	6105		2.000	4.800	
Pipe Body Material Yield Strength	ion ion	Wall Thickness in	0.500	0.400	
Pipe Length Range 2 or 3	OT	Cross Sectional Area Pipe Body in Sq	7.069	5.529	
	, i	Section Modulus in Cu	7.245	5.621	
Calculated Plain End Weight		Polar Section Modulus in Cu	14.491	11.243	
Cross Sectional Area OD	in Sa 10 635	Tensile Strength lbs	742,201	580,566	
Cross Sectional Area ID		Torsional Strength ft-lbs	73,159	56,762	
	99 C.21	80% Torsional Strength ft-lbs	58,528	45,409	
TOOL JOINT		Internal Pressure Capacity psi	18,375	16,800	
Connection Type	OFON	Collapse Capacity psi	18,900	16,042	
Material Yield Strength	ksi 120	Tool Injust / Disc Body Testing			
QO	in 6.625	constant tipe body totally ratio	0.867	0.800	
QI		TOOLJOINT			
Pin Tong Length	in 9.000	C	267.5		
Box Tong Length	in 12.000		6,625	6.281	
Pin shoulder Angle	deg 35		2.750	2.750	
			1,532,498	1,532,498	
DRILL PIPE ASSEMBLY			63,406	45,385	
Shoulder-Shoulder Length	4 3100		44,400	31,800	
Adiisted Weight	1hc/ft	Recommended Make-up Torque ft-Ibs	38,000	27,200	
Closed End Dealacement	3/16	Min Recommended Make-up Torque ft-lbs	31,700	22,700	
Open End Displacement		Balanced OD in	6.620	6.281	
Fluid Capacity	gal/It 0.447	Weak Connection	PIN WEAK	BOX WEAK	
Drift Size					

Datasheet for Reference Only
All new and premium properties are calculated based on nominal in accordance to API.

Torque performances calculated with coefficient of friction 0.08.

API recommends a torsional ratio of 0.8 or greater.

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