



5-1/2" HT-55 HWDP PERFORMANCE DATA SHEET

IMPERIAL UNIT

Pipe Size & Weight: 5.500 55.24 lb/ft
 Pipe Grade: 55ksi Integral HWDP
 Range: 2
 Tool Joint: 7.000 OD x 4.000 ID

HWDP DIMENSIONS & MATERIALS			HWDP MECHANICAL PERFORMANCES		
PIPE		New (Nominal)	PIPE		NEW (Nominal)
Pipe Outside Diameter (OD)	in	5.500	Internal Pressure Capacity	psi	29,880
Pipe Inside Diameter (ID)	in	4.000	Cross Sectional Area Pipe Body	in Sq	11.192
Wall Thickness	in	0.750	Polar Section Modulus	in Cu	23.528
Calculated Plain End Weight	lbs/ft	38.048	Section Modulus	in Cu	11.765
Tensile Strength	lbs	615,600	Cross Sectional Area OD	in Sq	23.758
Torsional Strength	ft-lbs	62,200	Cross Sectional Area ID	in Sq	12.566
80% Torsional Strength	ft-lbs	49,760	Tool Joint / Pipe Body Torsional Ratio		0.803
HWDP TOOL JOINT			HWDP ASSEMBLY		
		New (Nominal)			New (Nominal)
Connection Type		HT-55	Approx. Length	ft	31.00
Material Yield Strength	ksi	55	Adjusted Weight	lbs/ft	55.24
Outside Diameter (OD)	in	7.000			
Inside Diameter (ID)	in	4.0000	Drift Size	in	3.750
Pin Tong Length	in	24.000			
Box Tong Length	in	24.000	Fluid Displacement	gal/ft	0.844
Tensile Strength	lbs	1,244,500	Fluid Capacity	gal/ft	0.653
Torsional Strength	ft-lbs	77,500			
Max. Make-Up Torque	ft-lbs	46,500			
Min. Make-up Torque	ft-lbs	33,800			
Balanced OD	in	6.935			

Premium properties are calculated based on uniform Outside Diameter and Wall Thickness
 Torque performances are calculated with coefficient of friction factor , 0.08.
 API recommends a torsional ratio of 0.8 or greater
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