



5" NC50 HWDP PERFORMANCE DATA SHEET

IMPERIAL UNIT

Pipe Size & Weight: 5.000 49.77 lb/ft
 Pipe Grade: 55ksi Integral HWDP
 Range: 2
 Tool Joint: 6.625 OD x 3.000 ID

HWDP DIMENSIONS & MATERIALS			HWDP MECHANICAL PERFORMANCES		
PIPE		New (Nominal)	PIPE		NEW (Nominal)
Pipe Outside Diameter (OD)	in	5.000	Internal Pressure Capacity	psi	19,250
Pipe Inside Diameter (ID)	in	3.000	Cross Sectional Area Pipe Body	in Sq	12.566
Wall Thickness	in	1.000	Polar Section Modulus	in Cu	21.363
Calculated Plain End Weight	lbs/ft	42.720	Section Modulus	in Cu	10.681
Tensile Strength	lbs	691,200	Cross Sectional Area OD	in Sq	19.635
Torsional Strength	ft-lbs	56,500	Cross Sectional Area ID	in Sq	7.069
80% Torsional Strength	ft-lbs	45,200	Tool Joint / Pipe Body Torsional Ratio		0.974
HWDP TOOL JOINT			HWDP ASSEMBLY		
		New (Nominal)			New (Nominal)
Connection Type		NC50	Approx. Length	ft	31.00
Material Yield Strength	ksi	55	Adjusted Weight	lbs/ft	49.77
Outside Diameter (OD)	in	6.625			
Inside Diameter (ID)	in	3.0000	Drift Size	in	2.750
Pin Tong Length	in	24.000			
Box Tong Length	in	24.000	Fluid Displacement	gal/ft	0.760
Tensile Strength	lbs	1,416,200	Fluid Capacity	gal/ft	0.367
Torsional Strength	ft-lbs	58,000			
Max. Make-Up Torque	ft-lbs	30,000			
Min. Make-up Torque	ft-lbs	28,900			
Balanced OD	in	6.510			

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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 The information contained in this Performance Data Sheet is subject to revision without notice.