



4" XT-39 HWDP PERFORMANCE DATA SHEET

IMPERIAL UNIT

Pipe Size & Weight: 4.000 25.168 lb/ft
 Pipe Grade: 120ksi Integral HWDP
 Range: 2
 Tool Joint: 4.875 OD x 2.563 ID

HWDP DIMENSIONS & MATERIALS			HWDP MECHANICAL PERFORMANCES		
PIPE		New (Nominal)	PIPE		NEW (Nominal)
Pipe Outside Diameter (OD)	in	4.000	Internal Pressure Capacity	psi	17,301
Pipe Inside Diameter (ID)	in	2.563	Cross Sectional Area Pipe Body	in Sq	7.409
Wall Thickness	in	0.719	Polar Section Modulus	in Cu	10.450
Calculated Plain End Weight	lbs/ft	25.00	Section Modulus	in Cu	5.225
Tensile Strength	lbs	407,600	Cross Sectional Area OD	in Sq	12.566
Torsional Strength	ft-lbs	27,600	Cross Sectional Area ID	in Sq	5.157
80% Torsional Strength	ft-lbs	22,080	Tool Joint / Pipe Body Torsional Ratio		0.746
HWDP TOOL JOINT			HWDP ASSEMBLY		
		New (Nominal)			New (Nominal)
Connection Type		XT-39	Approx. Length	ft	31.00
Material Yield Strength	ksi	55	Adjusted Weight	lbs/ft	28.24
Outside Diameter (OD)	in	4.875			
Inside Diameter (ID)	in	2.5625	Drift Size	in	2.3125
Pin Tong Length	in	24.000			
Box Tong Length	in	24.000	Fluid Displacement	gal/ft	0.431
Tensile Strength	lbs	724,100	Fluid Capacity	gal/ft	0.268
Torsional Strength	ft-lbs	37,000			
Max. Make-Up Torque	ft-lbs	22,200			
Min. Make-up Torque	ft-lbs	12,400			
Balanced OD	in	4.992			

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.