



4" MT39 HWDP PERFORMANCE DATA SHEET

IMPERIAL UNIT

Pipe Size & Weight: 4.000 25.168 lb/ft
 Pipe Grade: 120ksi Integral HWDP
 Range: 2
 Tool Joint: 5.000 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	37,750
Pipe Inside Diameter (ID)	in	2.562	Cross Sectional Area Pipe Body	in Sq	7.411
Wall Thickness	in	0.719	Polar Section Modulus	in Cu	10.451
Calculated Plain End Weight	lbs/ft	25.168	Section Modulus	in Cu	5.226
Tensile Strength	lbs	889,300	Cross Sectional Area OD	in Sq	12.566
Torsional Strength	ft-lbs	60,300	Cross Sectional Area ID	in Sq	5.155
80% Torsional Strength	Kg/m	48,200	Tool Joint / Pipe Body Torsional Ratio		0.570
HWDP TOOL JOINT			HWDP ASSEMBLY		
		New (Nominal)			New (Nominal)
Connection Type		DPM-MT39	Approx. Length	ft	31.00
Material Yield Strength	ksi	120	Adjusted Weight	lbs/ft	30.69
Outside Diameter (OD)	in	5.000			
Inside Diameter (ID)	in	2.563	Drift Size	in	2.313
Pin Tong Length	in	34.000			
Box Tong Length	in	24.000	Fluid Displacement	gal/ft	0.469
Tensile Strength	lbs	734,300	Fluid Capacity	gal/ft	0.306
Torsional Strength	ft-lbs	34,200			
Max. Make-Up Torque	ft-lbs	23,900			
Min. Make-up Torque	ft-lbs	17,100			
Balanced OD	in	5.008			

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

The use of the information is based on the readers discretion. No warranty is implied or expressed by Tasman Oil Tools with the use of information obtained herein.

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