

HEAVY WEIGHT DRILL PIPE SPIRAL				PIPE SIZE & WEIGHT:		5.000" OD x 3.000" ID	
				PIPE GRADE:		110 ksi Integral HW's	
				RANGE:		II	
				TOOL JOINT CONN:		NC50	
<u>PIPE BODY:</u>				<u>TUBULAR ASSEMBLY</u>			
		NEW Nominal		Adjusted Weigh (in):	30,16	Fluid Displacement (gal/ft):	0,461
	OD(in):	5,000		Approximate Length (ft):	31,00	Fluid Capacity (bls/ft):	0,207
	Wall Thickness (in):	1,000				Fluid Capacity (gal/ft):	0,00493
	ID(in):	3,000		Box TJ Length (in):	24		
	Calculated Plain End Weight (lbs/ft)	42,720		Pin TJ Length (in):	24		
	Tensile Strenght (lbs):	1.382.300					
	Torsional Strenght (in):	113,000		Drift Size (in):	2,000		
	80% Torsional Strenght (in):	90,400					
	Burst Capacity (psi):	38,500					
	Collapse Capacity (psi):	35,200					
Notes: Body properties are calculated based on uniform OD and wall thickness. Burst capacity for Nominal (100% RBW) based on 87.5% RBW per API.				Note: These are OEM values that may vary with actual values due to mill tolerances, IPC tolerances, OEM rounding, and other factors. Pipe is purchased at a guaranteed 95% RBW. IPC is applied to a nominal thickness of 0.009". Pipe will have an ID of 2.705", which is smaller than pipe purchased at 87.5%.			
<u>TOOL JOINT & CONNECTIONS:</u> API NC50				<u>BODY SPECIFICATONS</u>			
TOOL JOINT OD (in):	6,500			Cross Sectional Area of Pipe Body (in2):	5,645		
TOOL JOINT ID (in):	3,000			Cross Sectional Area OD (in2):	9,621		
	Tool Joint Material Yield Strenght (psi):	110,000		Cross Sectional Area ID (in2):	3,976		
	Maximum MUT (ft/lbs):	31,200		Section Modulus (in2):	3,490		
	Minimum MUT (ft/lbs):	26,000		Polar Section Modulus (in2):	6,981		
	Torsional Strenght(ft/lbs):	52,000					
	Tensile Strenght(ft/lbs):	1.298.200					
	Tool Joint/DrillPipe Torsional Ration (NEW PIPE):	0,46					
Note: Minimum Make up is base on Shoulder Separations cause by bending.							
The technical information contained herein, including the product performance sheet and other attached documents, has been extracted from information available from the manufacturer and is for reference only and not a recommendation. The user is fully responsible for the accuracy and suitability of use of the technical information. Workstrings International cannot assume responsibility for the results obtained through the use of this material. No expressed or implied warranty is intended. Drill pipe assembly properties are calculated based on uniform OD and wall thickness. No safety factor is applied. The information provided for various inspection classes and for various wear conditions (remaining body wall) is for information only and does not represent or imply acceptable operation limits. It is the responsibility of the customer and the end user to determine the appropriate performance ratings, acceptable use of the product, maintain safe operational practices, and to apply a prudent safety factor suitable for the application. For API connections that have different pin and box IDs, tool joint ID refers to the pin ID. Per Chapter B, Section 4 VII of the IADC drilling manual, it is recommended that drilling torque should not exceed 80% of MUT.							