HEAVY WEIGHT DRILL PIPE STANDARD

PIPE SIZE & WEIGHT:	5.000” OD x 3.000" ID
PIPE GRADE:	55 ksi Integral HW's
RANGE:	II
TOOL JOINT CONN:	NC50

PIPE BODY:

	NEW Nominal
OD(in):	5,000
Wall Thickness (in):	1,000
ID(in):	3,000
Calculated Plain End Weight (lbs/ft	42,721
Tensile Strenght (lbs):	691,200
Torsional Strenght (in):	56,500
80% Torsional Strenght (in):	45,200
Burst Capacity (psi):	19,250
Collapse Capacity (psi):	17,600

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.

TUBULAR ASSEMBLY

Adjusted Weigh (in):	49,77	Fluid Displacement (gal/ft):	0,76
Approximate Length (ft):	31,00	Fluid Capacity (bls/ft)):	0,00874
		Fluid Capacity (gal/ft):	0,367
Box TJ Length (in):	24		
Pin TJ Length (in):	24		
Drift Size (in):	2,750		

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%.

TOOL JOINT & CONNECTIONS: API NC50

TOOL JOINT OD (in):	6,625
TOOL JOINT ID (in):	3,000

Tool Joint Material Yield Strenght (psi):	120,000
Maximum MUT (ft/lbs):	30,000
Minimum MUT (ft/lbs):	28,900
Torsional Strengh(ft/lbs):	58,000
Tensile Strengh(ft/lbs):	1.416.200
Tool Joint/DrillPipe Torsional Ration (NEW PIPE):	1,03
BALANCE OD(IN):	6,510

BODY SPECIFICATONS

Cross Sectional Area of Pipe Body (in2):	12,566
Cross Sectional Area OD (in2):	19,635
Cross Sectional Area ID (in2):	7,069
Section Modulus (in2):	10,681
Polar Section Modulus (in2):	21,363