

HEAVY WEIGHT DRILL PIPE STANDARD

PIPE SIZE & WEIGHT:	3.500" OD x 2.250" ID
PIPE GRADE:	55 ksi Standard
RANGE:	II
TOOL JOINT CONN:	NC38

PIPE BODY:

	NEW Nominal	Premium
OD(in):	3,500	3,250
Wall Thickness (in):	0,625	0,500
ID(in):	2,250	2,250
Calculated Plain End Weight (lbs/ft)	19,191	14,685
Tensile Strenght (lbs):	310,478	237,583
Torsional Strenght (in):	18,461	13,731
80% Torsional Strenght (in):	14,769	10,984
Burst Capacity (psi):	17,188	15,714
Collapse Capacity (psi):	16,135	14,320

TUBULAR ASSEMBLY

Adjusted Weigh (in):	26,55	Fluid Displacement (gal/ft):	0,410
Approximate Length (ft):	31,00	Fluid Capacity (bls/ft):	0,0049
Box TJ Length (in):	30	Fluid Capacity (gal/ft):	0,210
Pin TJ Length (in):	30		
Drift Size (in):	2,125		

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%.

TOOL JOINT & CONNECTIONS: API NC38

TOOL JOINT OD (in):	5,000
TOOL JOINT ID (in):	2,250
Tool Joint Material Yield Strenght (psi):	120000
Maximum MUT (ft/lbs):	14,900
Minimum MUT (ft/lbs):	12,400
Torsional Strenght(ft/lbs):	24,800
Tensile Strenght @ Min MUT (lbs):	749,000
Tool Joint/DrillPipe Torsional Ration (NEW PIPE):	1,34
Tool Joint/DrillPipe Torsional Ration (Premium):	1,81
Balance OD (in):	4,877

BODY SPECIFICATONS

	New Nominal	API Premium
Cross Sectional Area of Pipe Body (in ²):	5,645	4,320
Cross Sectional Area OD (in ²):	9,621	8,296
Cross Sectional Area ID (in ²):	3,976	3,976
Section Modulus (in ²):	3,490	2,596
Polar Section Modulus (in ²):	6,981	5,192

Note: Minimum Make up is base on Shoulder Separations cause by bending.

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