

Drill Pipe Performance Sheet

Size and Weight: 2.875" 10.40 ppf 0.362" wall EU

Grade: S-135

Range: 2

Tool Joint: 3.125" x 1.500" 2 7/8" HTPAC

Pipe Body:

	Nominal 100% RBW	95% RBW	Ultra Class 90% RBW	Premium 80% RBW
OD (in):	2.875	2.839	2.803	2.730
Wall Thickness (in):	0.362	0.344	0.326	0.290
Nominal ID (in):	2.151	2.151	2.151	2.151
Tensile Strength (lbs):	385,820	363,889	342,236	299,763
Torsional Strength (ft-lbs):	20,798	19,547	18,321	15,945
Burst Capacity (psi):	29,747	32,297	30,597	27,197
Collapse Capacity (psi):	29,716	28,746	27,739	25,602

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 Weight (lbs/ft):	11.08	Fluid Displacement (gal/ft):	0.17
Approximate Length (ft):	31.5	Fluid Displacement (bbls/ft):	0.0040
Box TJ Length (in):	14	Fluid Capacity w/IPC (gal/ft):	0.17
Pin TJ Length (in):	9	Fluid Capacity w/IPC (bbls/ft):	0.0041
Upset Type:	EU	Fluid Capacity w/o IPC (gal/ft):	0.18
Max Upset OD (in):	3.188	Fluid Capacity w/o IPC (bbls/ft):	0.0042
Drift Size (in):	1.375		

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 2.093", which is smaller than pipe purchased at 87.5%.

Connection: 2 7/8" HTPAC

TJ OD (in): **3.125**

TJ ID (in): **1.500**

MYS (ksi): 120

Maximum MUT (ft-lbs): **5,100**

Tension at Shoulder Separation @ Max MUT (lbs): Tensile Limited

Tension at Connection Yield @ Max MUT (lbs): 213,300

Minimum MUT (ft-lbs): **4,300**

Tension at Shoulder Separation @ Min MUT (lbs): Tensile Limited

Tension at Connection Yield @ Min MUT (lbs): 263,200

Tool Joint Torsional Strength (ft-lbs): 8,500

Tool Joint Tensile Strength (lbs): 266,300

2 7/8" HTPAC is a trademark of NOV Grant Prideco.

Note: MUT values are based on a friction factor of 1.0. There is no published pressure rating for this connection.

Elevator Shoulder:

Smooth Edge Height (in): N/A

Smooth Edge OD (in): N/A

SE Elevator Shoulder Capacity (lbs): N/A

Nominal TJ OD (in): 3.125

This asset must be handled with a lift nubbin. For more information, please consult Workstrings Operations.

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