

Drill Pipe Data & Performance Sheet

2-7/8" 10.40# S-135 R2 2-7/8 AOH

TUBE BODY DATA

Tube OD	2.875	in.
Wall Thickness	0.362	in.
Tube ID	2.151	in.
Tensile Yield Strength	299,800	lbs. (API Premium 80% Inspection Class)
Torsional Yield Strength	15,900	ft-lbs. (API Premium 80% Inspection Class)
Upset Type Upset OD (max)	EU	3.1875 in.
Elevator Capacity	367,423	lbs.
Tube Burst	27,197	psi. (API Premium 80% Inspection Class)
Tube Collapse	25,602	psi. (API Premium 80% Inspection Class)
Slip-Crush Capacity (16.5" gripper contact length)	315,000	lbs.

CONNECTION DATA

Connection	2-7/8 AOH
Tool Joint OD	3.875 in.
Tool Joint ID	2.156 in.
Tool Joint SMYS	120,000 psi.

CONNECTION PERFORMANCE

Make Up Torque (Max.) ¹	5,200	ft-lbs. (1.0 FF)	5,980	ft-lbs. (1.15 FF)
Connection Tensile Yield (@ Max. M/U TQ)	325,900	lbs.		
Connection Torsional Yield	8,700	ft-lbs.		

ENGINEERING DATA

Approximate Length	31	ft.		
Drift Diameter ²	1.963	in.		
Adj. Weight	10.87	lbs. / ft.		
Displacement	0.1661	gal. / ft.	0.0040	bbls. / ft.
Capacity	0.1889	gal. / ft.	0.0045	bbls. / ft.

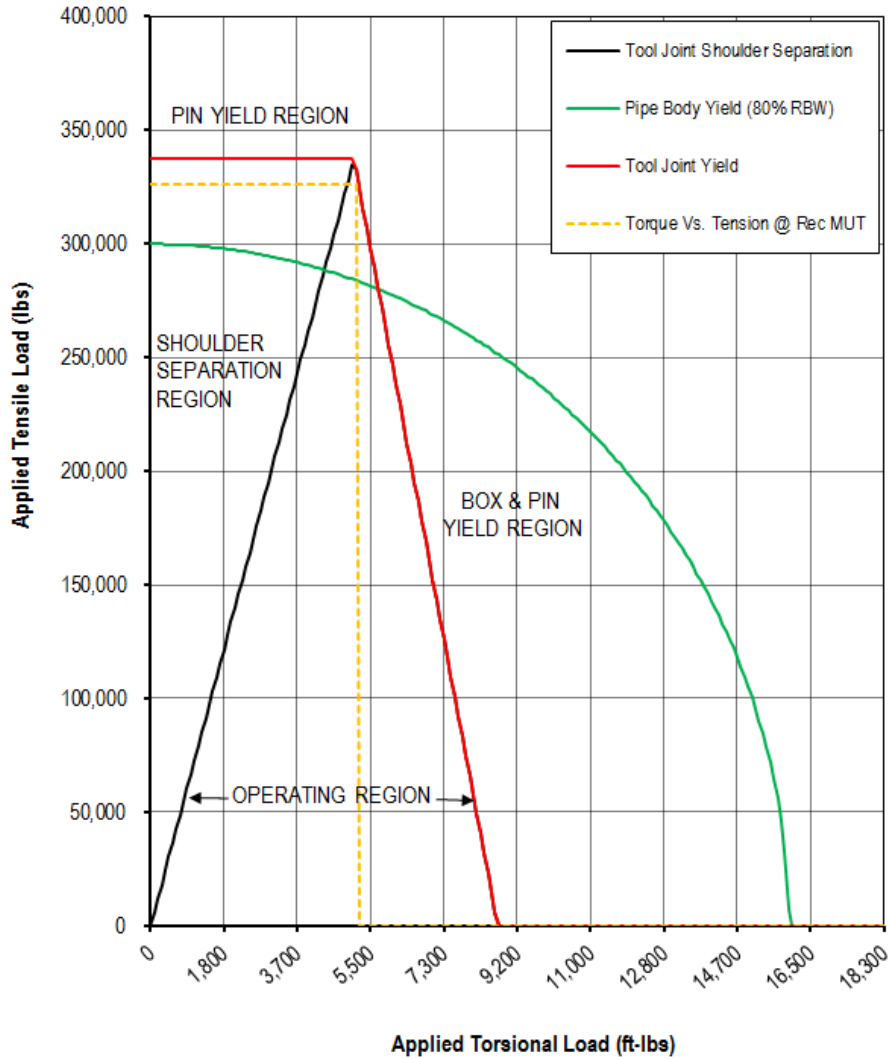
Notes:

¹Max MUT 1.0 FF is 60% of connection torsional strength. As required, adjust MUT according to applied thread compound friction factor, not exceeding 1.15. Rec MUT for most applications is that shown for 1.0 FF, regardless of dope used. Higher MUT should only be applied where rotary torque exceeds 80% of MUT 1.0 FF or when downhole torque and/or backoff is a concern.

²Drift size as per API RP-7G, Table 8.

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Torque Tension Curve: 2-7/8" 10.40# EU S-135 Premium Class Drill Pipe with 3.875 X 2.156 2-7/8 AOH API Tool Joint. Curve Based on Calculation Method in API RP7G. Safety Factor =1.0



2-7/8" 10.40# EU S-135 Drill Pipe Tube Body Collapse Pressure Under Axial Stress - API 5C3

