



## GULF ENGINEERING SERVICES LTD. DRILL PIPE PERFORMANCE SHEET

**Size and Weight:** 5.875" 26.30 ppf 0.415" wall IEU  
**Grade:** S-135  
**Range:** 2  
**Tool Joint:** 7.000" x 4.250" XT57

### PIPE BODY:

	Nominal 100% RBW	95% RBW	Ultra Class 90% RBW	Premium 80% RBW
OD (in):	5.875	5.834	5.792	5.709
Wall Thickness (in):	0.415	0.394	0.374	0.332
Nominal ID (in):	5.045	5.045	5.045	5.045
Tensile Strength (lbs):	961 001	909 482	858 327	757 114
Torsional Strength (ft-lbs):	117 915	111 476	105 101	92 533
Burst Capacity (psi):	16 688	18 119	17 165	15 258
Collapse Capacity (psi):	14 892	13 540	12 169	9 368

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.

### CONNECTION: XT57

Tool Joint OD (in): **7.000**  
 Tool Joint ID (in): **4.250**  
 Connection MYS (ksi): 120

Maximum MUT (ft-lbs): **56 500**  
 Tension at Shoulder Separation @ Max MUT (lbs): Tensile Limited  
 Tension at Connection Yield @ Max MUT (lbs): 959 500

Minimum MUT (ft-lbs): **47 200**  
 Tension at Shoulder Separation @ Min MUT (lbs): Tensile Limited  
 Tension at Connection Yield @ Min MUT (lbs): 1 196 200

Tool Joint Torsional Strength (ft-lbs): 94 200  
 Tool Joint Tensile Strength (lbs): 1 200 500

XT57 is a trademark of NOV Grant-Prideo.

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

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### TUBULAR ASSEMBLY:

Adjusted Weight (lbs/ft):	30.88	Fluid Displacement (gal/ft):	0.47
Approximate Length (ft):	32.1	Fluid Displacement (bbls/ft):	0.0112
Box TJ Length (in):	17	Fluid Capacity w/IPC (gal/ft):	0.99
Pin TJ Length (in):	12	Fluid Capacity w/IPC (bbls/ft):	0.0235
Upset Type:	IEU	Fluid Capacity w/o IPC (gal/ft):	0.99
Max Upset OD (in):	6.000	Fluid Capacity w/o IPC (bbls/ft):	0.0236
Drift Size (in):	4.125		

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".

### ELEVATOR SHOULDER:

Smooth Edge Height (in):	3/32
Smooth Edge OD (in):	7.188
SE Elevator Shoulder Capacity (lbs):	1 223 100
Nominal TJ OD (in):	7.000
Nominal TJ OD Elevator Shoulder Capacity (lbs):	993 000
Assumed Elevator Bore (in):	6.125

Note: Elevator capacity based on assumed elevator bore, no wear factor, and contact stress of 110 100 psi. An increased elevator shoulder OD increases elevator capacity without affecting make-up torque.