

Equipment No's: Ref. Enclosed page

Spec. No.:

OWS-DP-5.875-08

TECHNICAL SPECIFICATIONS

5-7/8" OD Drill Pipe, S-135, ST-57 Conn's.

New

Premium

80% Remaining Body Wall

DESCRIPTION

Type IEU, 23.40 #
 Range 2
 Conventional=welded T-J. / Integral=Monoblock Conventional

TUBE DATA

Material grade				S-135	
Internal plastic coating				DJ-207	
Tube body OD x ID	inch	5,875	5,153	5,731	5,153
Wall thickness, nominal	inch		0,361		0,289
Cross Sectional Area	inch ²		6,254		4,937
Polar Sectional Modulus	inch ³		16,251		12,793
Tensile yield pipe	lbf		844 224		666 536
	kN		3 755		2 965
Torsional yield pipe	lbf-ft		105 489		83 041
	kNm		143,0		112,6
80% Torsional Yield	lbf-ft		84 391		66 433
	kNm		114,4		90,1

CONNECTIONS DATA

Connection type				DPM ST-57	
Material grade				130 ksi	
Hardbanding				TCS Titanium	
OD x ID	inch	7,000	4,250	6,752	4,250
B.S.R.	x : 1		NA		NA
Tensile yield tooljoint	lbf		1 300 536		1 300 536
	kN		5 785		5 785
Torsional yield tooljoint	lbf-ft		87 462		70 798
	kNm		118,6		96,0
Make up torque (Rec.)	lbf-ft		61 200		49 600
	kNm		83,0		67,2

OPERATIONAL DATA

Tool-joint/Drill-pipe torsional ratio	=> 0.80		0,83		1,05
Drift diameter	inch			4,125	
Type of elevator shoulder				18°	
Burst pressure	psi		14 517		13 273
	Mpa		100		92
Collapse pressure	psi		10 825		6 204
	MPa		75		43
Adjusted weight	lbs/ft			27,07	
	kg/mtr			40,3	
Approx weight each joint	lbs			853	
	kg			387	
Capacity	gal/ft			1,043	
	ltr/mtr			12,953	
Open end displacement	gal/ft			0,414	
	ltr/mtr			5,142	
Closed end displacement	gal/ft			1,457	
	ltr/mtr			18,095	
Built In Length (shoulder to shoulder)	ft			31,50	
	mtr.			9,60	

Calculated using nominal OD & ID. Safety & Dope friction factor used: 1.0

Values herein is meant as guidelines only. Odfjell will not be held liable for any damage or injuries !

<http://www.ows.no/Legal-Notice>

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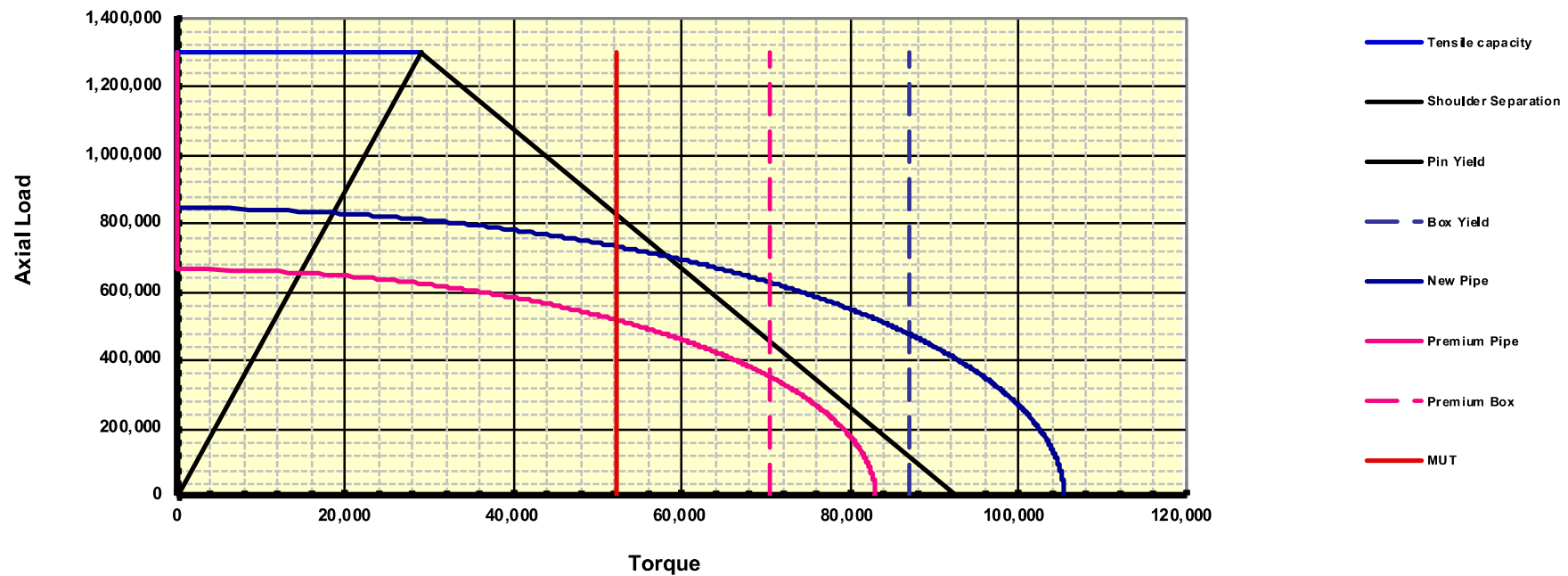
PERFORMANCE
DRILL PIPE

DRILL PIPE COMBINED LOAD CURVE

IMPERIAL UNIT

Pipe Size & Weight: 5-7/8 23.40 lb/ft IEU
Pipe Grade: S135
Range: 2
Tool Joint: 7 X 4.25 DPM-ST57

Make-up Torque Then Tension



Datasheet for Reference Only

All new and premium properties are calculated based on nominal in accordance to API.

API recommends a torsional ratio of 0.8 or greater.

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Make-up torque values are calculated based on thread compound friction factor of 1.00.



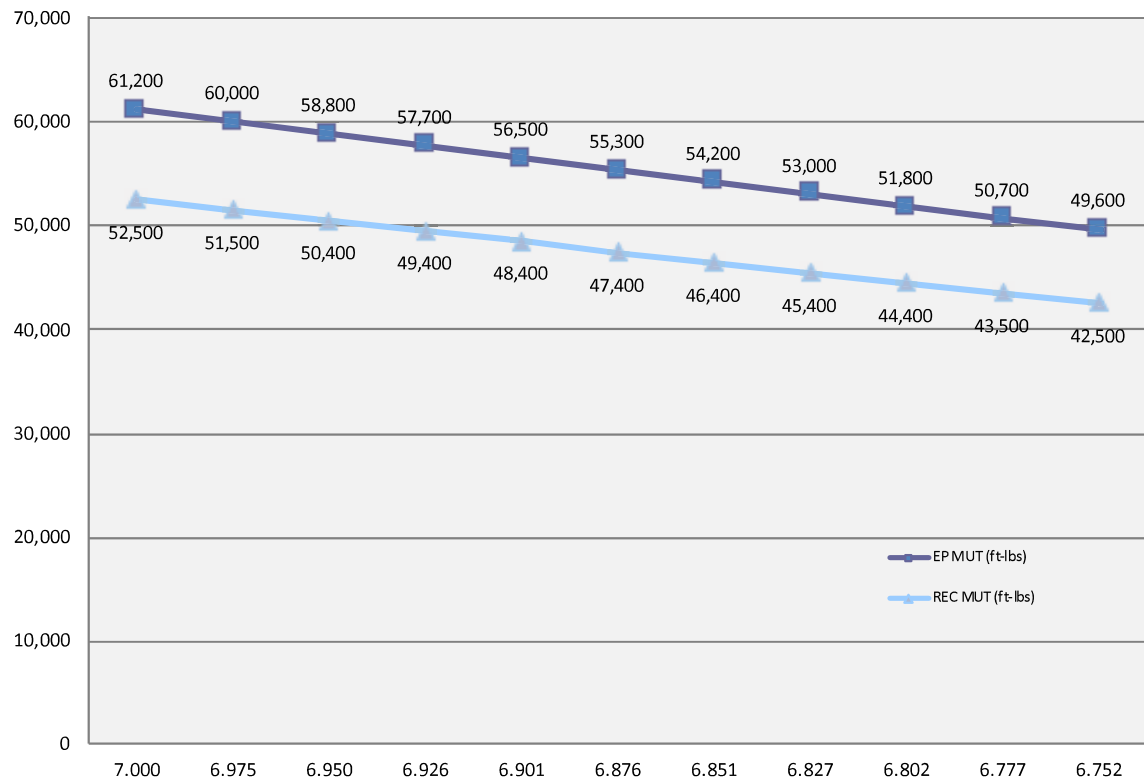
PERFORMANCE
DRILL PIPE

CONNECTION WEAR CURVE & TABLE

IMPERIAL UNIT

Pipe Size & Weight: 5-7/8 23.40 lb/ft IEU
Pipe Grade: S135
Range: 2
Tool Joint: 7 X 4.25 DPM-ST57

Connection Wear Curve



Connection Wear Table

TJ OD (in)	EP MUT (ft-lbs)	REC MUT (ft-lbs)
7.000	61,200	52,500
6.975	60,000	51,500
6.950	58,800	50,400
6.926	57,700	49,400
6.901	56,500	48,400
6.876	55,300	47,400
6.851	54,200	46,400
6.827	53,000	45,400
6.802	51,800	44,400
6.777	50,700	43,500
6.752	49,600	42,500

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