



Equipment No's: Ref. Enclosed page

Spec. No.:

OWS-DP-5.875-07

TECHNICAL SPECIFICATIONS

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

New

Premium

80% Remaining Body Wall

DESCRIPTION

Type IEU, 26.30 #
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	5,045	5,709 5,045
Wall thickness, nominal	inch	0,415		0,332
Cross Sectional Area	inch ²	7,119		5,608
Polar Sectional Modulus	inch ³	18,165		14,255
Tensile yield pipe	lbf	961 002		757 115
	kN	4 275		3 368
Torsional yield pipe	lbf-ft	117 915		92 533
	kNm	159,9		125,5
80% Torsional Yield	lbf-ft	94 332		74 026
	kNm	127,9		100,4

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	0,74		0,95
Drift diameter	inch		4,125	
Type of elevator shoulder			18°	
Burst pressure	psi	16 688		15 258
	Mpa	115		105
Collapse pressure	psi	14 892		9 368
	MPa	103		65
Adjusted weight	lbs/ft		29,05	
	kg/mtr		43,2	
Approx weight each joint	lbs		915	
	kg		415	
Capacity	gal/ft		1,01	
	ltr/mtr		12,51	
Open end displacement	gal/ft		0,44	
	ltr/mtr		5,51	
Closed end displacement	gal/ft		1,45	
	ltr/mtr		18,02	
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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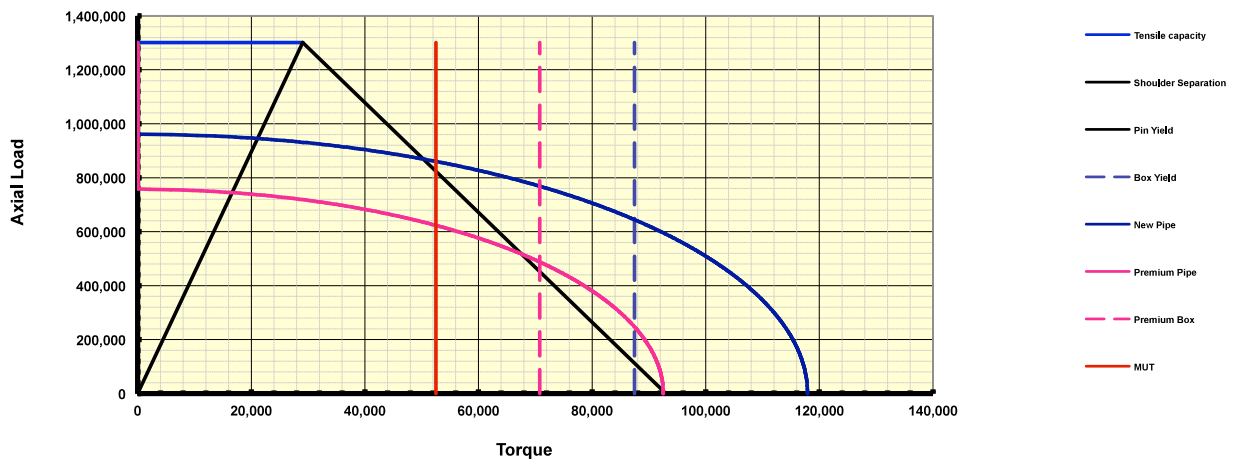
<i>String number:</i>	<i>Joints:</i>	<i>Individual serial numbers:</i>
OWS-DP-5.875-07	740	OWS-001 to OWS-740
OWS-DP-5.875-07	740	OWS-1381 to OWS-2120
OWS-DP-5.875-07	318	OWS-2122 to OWS-2439



DRILL PIPE COMBINED LOAD CURVE
IMPERIAL UNIT

Pipe Size & Weight: 5-7/8 26.30 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.

Torque performances calculated with coefficient of friction, 0.08.

API recommends a torsional ratio of 0.8 or greater.

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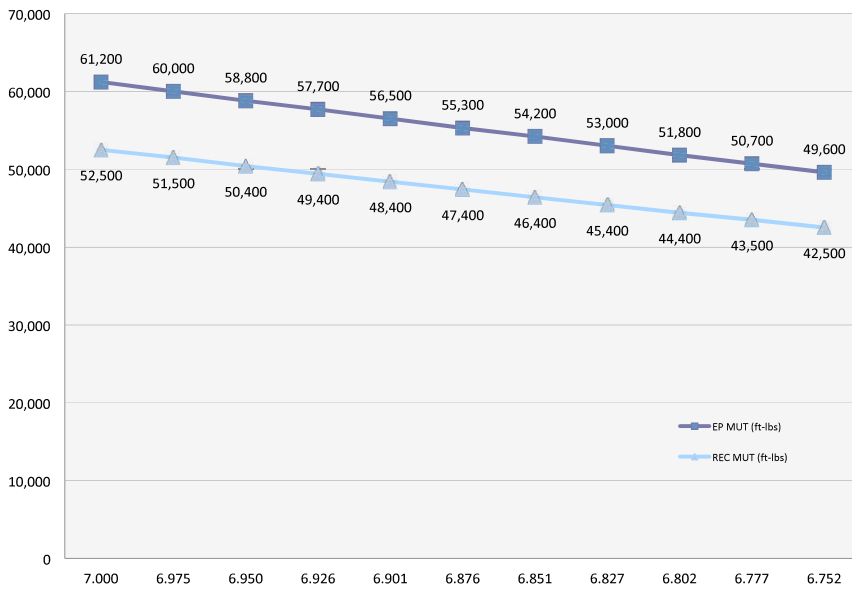


CONNECTION WEAR CURVE & TABLE

IMPERIAL UNIT

Pipe Size & Weight: 5-7/8 26.30 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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