

TECHNICAL SPECIFICATIONS

Equipment No's: Ref. Enclosed page

Spec. No.: DP-5.875-08

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

New

Premium

80% remaining Body Wall

DESCRIPTION

Type
Range
Conventional=welded T-J. / Integral=Monoblock

IEU, 23.40 #
2
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	

CONNECTION DATA

Connection type		DPM ST-57			
Material grade		130ksi			
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		72 798	
	kNm	118,6		96,0	
Make up torque (Max.)	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	
	Mpa	100	
Collapse pressure	psi	10 825	
	MPa	75	
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 !

<i>String number:</i>	<i>Joints:</i>	<i>Individual serial numbers:</i>
OWS-DP-5.875-08	640	OWS-741 to OWS-1380

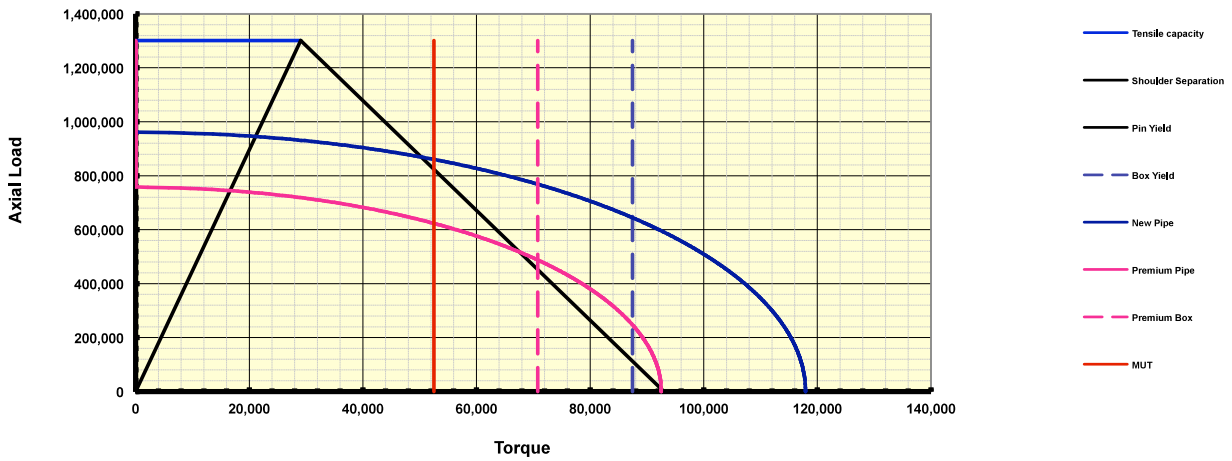


PERFORMANCE
DRILL PIPE

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

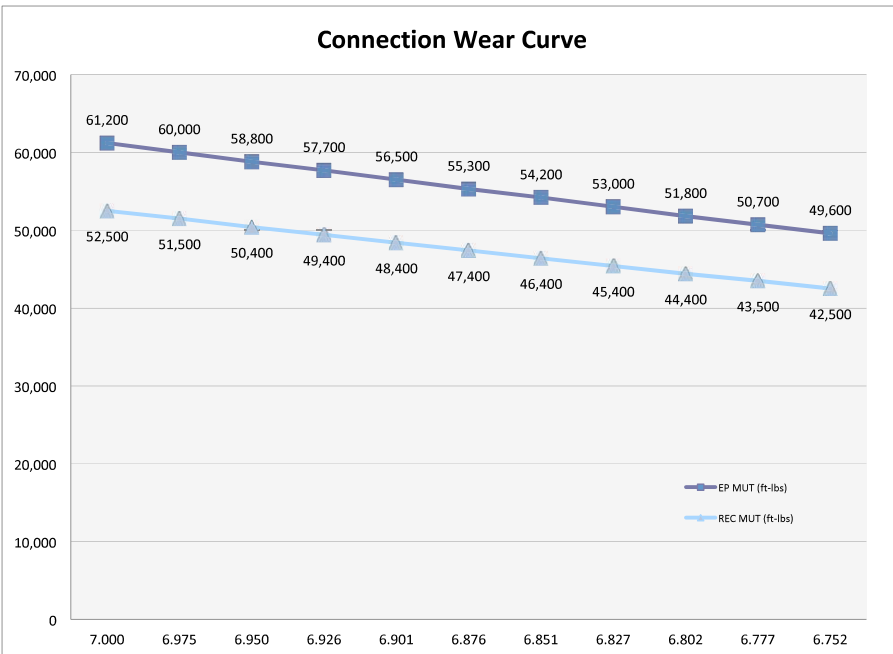
All new and premium properties are calculated based on nominal in accordance to API.
Torque performances calculated with coefficient of friction, 0.08.
API recommends a torsional ratio of 0.8 or greater.
The use of the information is at reader's discretion and no warranty is implied or expressed by DP-Master with the use of information contained herein.
The information in this publication is subjected to change without notice, please contact DP-Master for the latest publication.



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 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

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.
 The use of the information is at reader's discretion and no warranty is implied or expressed by DP-Master with the use of information contained herein.
 The information in this publication is subjected to change without notice, please contact DP-Master for the latest publication.