

TECHNICAL SPECIFICATIONS

Equipment No's: Ref. Enclosed page

Spec. No.: DP-5.875-07

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, 26.30 #
2
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	

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	0,74		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 !

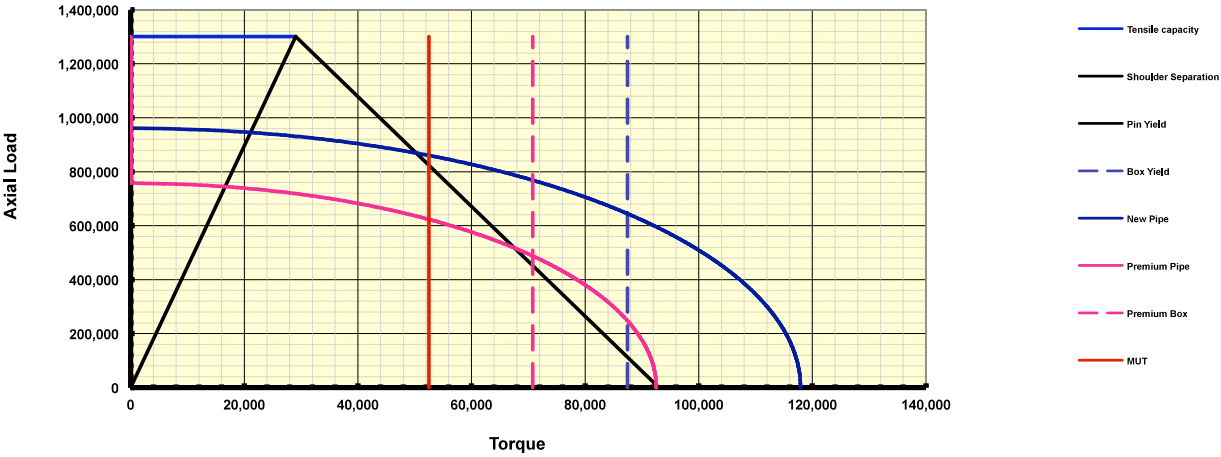
<i>String number:</i>	<i>Joints:</i>	<i>Individual serial numbers:</i>
OWS-DP-5.875-07	740	OWS-001 to OWS-740
OWS-DP-5.875-07	740	OWS-1381 to OWS-2120
OWS-DP-5.875-07	318	OWS-2122 to OWS-2439
OWS-DP-5.875-07	521	OWS-4000 to OWS-4520



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.

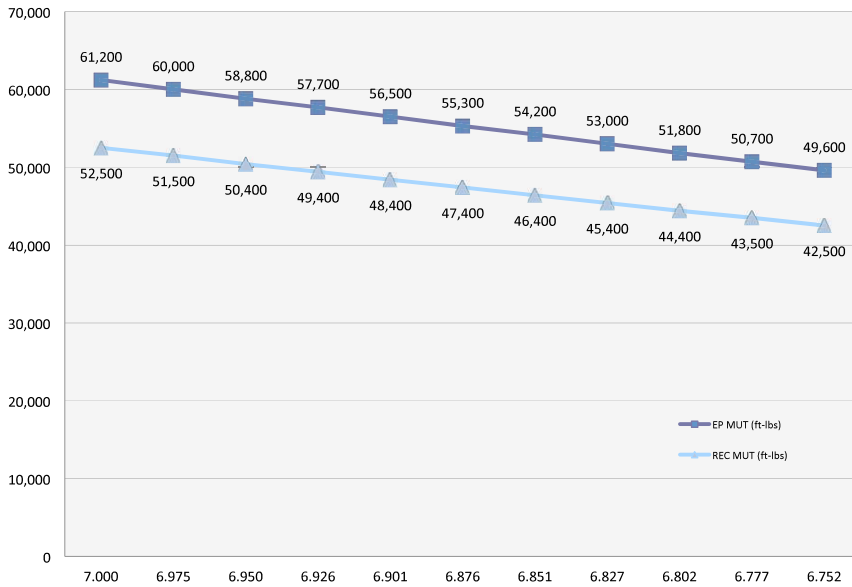


CONNECTION WEAR CURVE & TABLE

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 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

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.