

## 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 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 <sup>2</sup>	7,119		5,608	
Polar Sectional Modulus	inch <sup>3</sup>	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	
	Mpa	115	
Collapse pressure	psi	14 892	
	MPa	103	
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

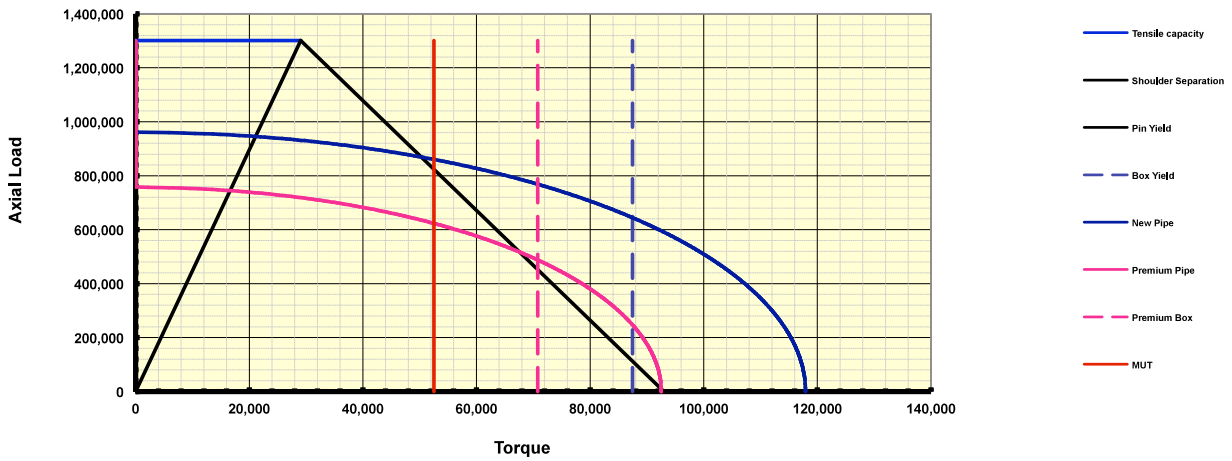


PERFORMANCE  
DRILL PIPE

### 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.

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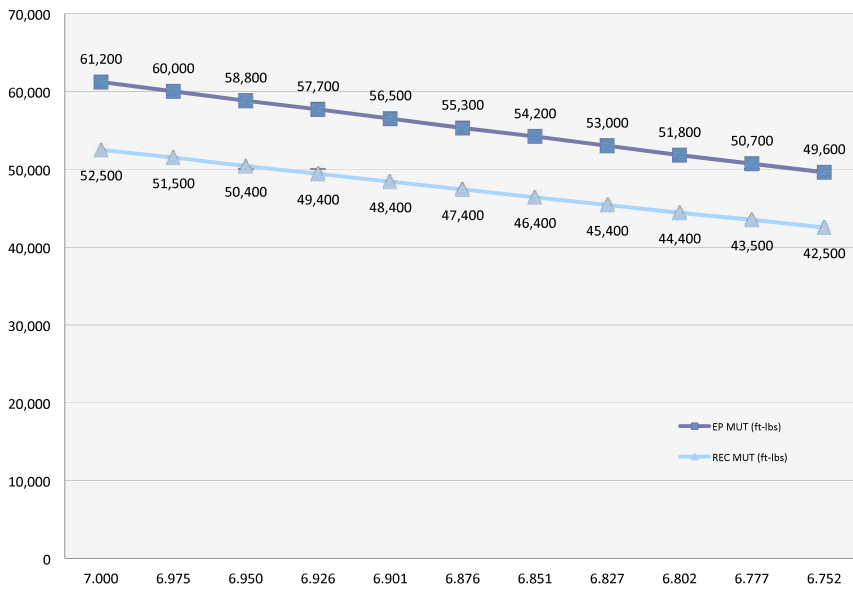


### CONNECTION WEAR CURVE & TABLE

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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