

TECHNICAL SPECIFICATIONS

Equipment No's: Ref. Enclosed page

Spec. No.: DP-5-DPM-DS-50

5" OD Drill Pipe, S-135, DPM DS-50 Conn's.

New

Premium

80% remaining Body Wall

DESCRIPTION

Type IEU, 19.50 #
 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	5,000	4,276	4,855	4,276
Wall thickness, nominal	inch	0,362		0,290	
Cross Sectional Area	inch ²	5,275		4,152	
Polar Sectional Modulus	inch ³	11,415		8,953	
Tensile yield pipe	lbf	712 070		560 764	
	kN	3 167		2 494	
Torsional yield pipe	lbf-ft	74 100		58 114	
	kNm	100,5		78,8	
80% Torsional Yield	lbf-ft	59 280		46 491	
	kNm	80,4		63,0	

CONNECTION DATA

Connection type	DPM DS-50				
Material grade	130ksi				
Hardbanding	TCS Titanium				
OD x ID	inch	6,625	3,250	6,094	3,250
B.S.R.	x : 1	NA		NA	
Tensile yield tooljoint	lbf	1 354 200		1 354 200	
	kN	6 024		6 024	
Torsional yield tooljoint	lbf-ft	78 328		62 232	
	kNm	106,2		84,4	
Recommended make-up torque (New max. 54 800, Premium 43 600)	lbf-ft	47 000		37 300	
	kNm	63,7		50,6	

OPERATIONAL DATA

Tool joint/Drill pipe torsional ratio Drift diameter	=> 0.80	1,06		1,35	
Type of elevator shoulder:		18°			
Burst pressure	psi	17 105		15 638	
	Mpa	118		108	
Collapse pressure	psi	15 672		10 029	
	MPa	108		69	
Adjusted weight	lbs/ft	24,9			
	kg/mtr	37,1			
Approx weight each joint	lbs	786			
	kg	356			
Capacity	gal/ft	0,71			
	ltr/mtr	8,78			
Open end displacement	gal/ft	0,38			
	ltr/mtr	4,73			
Closed end displacement	gal/ft	1,09			
	ltr/mtr	13,51			
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-DS50-01	508	OWS6000 TO OWS6507
OWS-DP-5-DS50-01	477	OWS6508 TO OWS6984
OWS-DP-5-DS50-01	520	OWS6985 TO OWS7504
OWS-DP-5-DS50-01	635	OWS7506 TO OWS8140
OWS-DP-5-DS50-01	365	OWS8141 TO OWS8505