

TECHNICAL SPECIFICATIONS

Equipment No's: Ref. Enclosed page

Spec. No.: DP-5.5-03

5-1/2" OD Drill Pipe, S-135, 5-1/2" FH. DSTJ Conn's.

New

Premium

80% remaining Body Wall

DESCRIPTION

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

IEU, 21.90 #
2
Conventional

TUBE DATA

Material grade		S-135			
Internal plastic coating		TK-34P			
Tube body OD x ID	inch	5,500	4,778	5,355	4,778
Wall thickness, nominal	inch	0,361		0,289	
Cross Sectional Area	inch ²	5,828		4,592	
Polar Sectional Modulus	inch ³	14,062		11,042	
Tensile yield pipe	lbf	786 800		619 900	
	kN	3 500		2 757	
Torsional yield pipe	lbf-ft	91 280		71 680	
	kNm	123,8		97,2	
80% Torsional Yield	lbf-ft	73 024		57 344	
	kNm	99,0		77,7	

CONNECTION DATA

Connection type		5-1/2" FH. DSTJ			
Material grade		130 ksi			
Hardbanding		Arnco-300XT			
OD x ID	inch	7,000	3,500	6,719	3,500
B.S.R.	x : 1	1,97		1,64	
Tensile yield tooljoint	lbf	1 731 000		1 731 000	
	kN	7 700		7 700	
Torsional yield tooljoint	lbf-ft	88 350		68 350	
	kNm	119,8		92,7	
Make up torque (Max.)	lbf-ft	61 800		47 800	
	kNm	83,8		64,8	

OPERATIONAL DATA

Tool joint/Drill pipe torsional ratio		0,97	1,23
Drift diameter	inch	3,375	
Type of elevator shoulder:		18°	
Burst pressure	psi	15 500	14 200
	Mpa	107	98
Collapse pressure	psi	12 700	7 500
	MPa	88	52
Adjusted weight	lbs/ft	24,8	
	kg/mtr	36,9	
Approx weight each joint	lbs	768,8	
	kg	348,7	
Capacity	gal/ft	0,88	
	ltr/mtr	10,93	
Open end displacement	gal/ft	0,39	
	ltr/mtr	4,84	
Closed end displacement	gal/ft	1,27	
	ltr/mtr	15,77	
Built In Length (shoulder to shoulder)	ft	31,0	
	mtr.	9,45	

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

<i>String number:</i>	<i>Joints:</i>	<i>Individual serial numbers:</i>
OWS-DP-5124-DSTJ	476	6001 to 6478
OWS-DP-5125-DSTJ	610	4001 to 4621
OWS-DP-5126-DSTJ	462	8000 to 8461
OWS-DP-5127-DSTJ	641	9001 to 9641
OWS-DP-5128-DSTJ	638	2700 to 3342
OWS-DP-5129-DSTJ	482	OWS-4700 to OWS-5186
OWS-DP-51230-DSTJ	633	OWS-10001 to OWS-10633
OWS-DP-8505	485	OWS-2000 to OWS-2484
OWS-DP-8512	418	27036 to 27630

Torque Tension Curve New Class Drill Pipe
 API-S135-IEUE 5-1/2" x 21.9# (9.17^{mm}) NK-DSTJ™ 5-1/2FH (OD: 7" ID: 3-1/2")
 with TJ130 Design Factor=1.1

