

Equipment No's: Ref. Enclosed page

Spec. No.:

DP-5.5-03

TECHNICAL SPECIFICATIONS

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

New
Premium

80% Remaining Body Wall

DESCRIPTION

Type IEU, 21.90 #
 Range 2
 Conventional=welded T-J. / Integral=Monoblock 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

CONNECTIONS DATA

Connection type				5-1/2" FH. DSTJ	
Material grade				130 ksi	
Hardbanding				Arnc0-300XT	
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 injuries !

<http://www.ows.no/Legal-Notice>

Docs. # 1056790

Frb- 22.01.2015

**ODFJELL WELL SERVICES**

A PART OF ODFJELL DRILLING

<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

