

## TECHNICAL SPECIFICATIONS

Equipment No's:      Ref. next page

Spec. No.:              DP-5-01

### 5" OD Drill Pipe, S-135, NC-50 Conn's

**New**

**Premium**

80% remaining Body Wall

**DESCRIPTION**

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

IEU, 19.5 #  
2  
Conventional

#### TUBE DATA

Material grade	S-135				
Internal plastic coating	TK-34P				
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 <sup>2</sup>		5,275		4,152
Polar Sectional Modulus	inch <sup>3</sup>		11,415		8,949
Tensile yield pipe	lbf		712 100		561 000
	kN		3 168		2 495
Torsional yield pipe	lbf-ft		74 100		58 100
	kNm		100,5		78,8
80% Torsional Yield	lbf-ft		59 300		46 500
	kNm		80,4		63,0

#### CONNECTION DATA

Connection type	NC-50, Standard				
Material grade	120ksi				
Hardbanding	Arnco 300-XT / TCS Titanium				
OD x ID	inch	6,625	3,250	6,3125	3,250
B.S.R.	x : 1		2,43		1,97
Tensile yield tooljoint	lbf		1 249 700		1 249 700
	kN		5 559		5 559
Torsional yield tooljoint	lbf-ft		51 700		47 300
	kNm		70,1		64,1
Make up torque (Max.)	lbf-ft		31 000		28 400
	kNm		42,0		38,5

#### OPERATIONAL DATA

Tool joint/Drill pipe torsional ratio			0,70		0,89
Drift diameter	inch			3,125	
Type of elevator shoulder:				18°	
Burst pressure	psi		17 100		15 500
	Mpa		118		107
Collapse pressure	psi		15 600		10 000
	MPa		108		69
Adjusted weight	lbs/ft			23,72	
	kg/mtr			35,3	
Approx weight each joint	lbs			735	
	kg			333,4	
Capacity	gal/ft			0,722	
	ltr/mtr			8,97	
Open end displacement	gal/ft			0,362	
	ltr/mtr			4,50	
Closed end displacement	gal/ft			1,08	
	ltr/mtr			13,41	
Built In Length (shoulder to shoulder)	ft			31,00	
	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 !

String number:	Joints:	Individual serial numbers:
OWS-DP-56	646	OWS-700 to OWS-1345
OWS-DP-57	485	OWS-1400 to OWS-1885
OWS-DP-58	647	OWS-001 TO OWS-647
OWS-DP-509	415	OWS-10001 to OWS-10482
OWS-DP-511	617	OWS-10500 TO OWS-11129
OWS-DP-514	1295	OWS-6500 TO OWS-7796
OWS-DP-516	648	OWS-7900 TO OWS-8548
OWS-DP-518	637	OWS-8600 TO OWS-9236
OWS-DP-519	642	OWS-2000 TO OWS-2642
OWS-DP-520	622	OWS-9300 TO OWS-9949
OWS-DP-521	596	OWS-12001 TO OWS-12650
PO-176326	1400	OWS-12700 TO OWS-14099