

Equipment No's: Ref. Enclosed page

Spec. No.: DP-5.5-09

TECHNICAL SPECIFICATIONS

5-1/2" OD Drill Pipe, G-105, GPDS-55 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				G-105	
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	612 000		482 200	
	kN	2 722		2 145	
Torsional yield pipe	lbf-ft	71 000		55 750	
	kNm	96,3		75,6	
80% Torsional Yield	lbf-ft	56 800		44 600	
	kNm	77,0		60,5	

CONNECTIONS DATA

Connection type				GPDS-55	
Material grade				120 ksi	
Hardbanding				Arnco-300XT	
OD x ID	inch	7,000	4,000	6,719	4,000
B.S.R.	x : 1	NA		NA	
Tensile yield tooljoint	lbf	1 292 500		1 265 800	
	kN	5 749		5 631	
Torsional yield tooljoint	lbf-ft	74 200		60 500	
	kNm	100,6		82,0	
Make up torque (Max.)	lbf-ft	44 500		36 300	
	kNm	60,3		49,2	

OPERATIONAL DATA

Tool-joint/Drill-pipe torsional ratio		1,05		1,33	
Drift diameter	inch		3,875		
Type of elevator shoulder			18°		
Burst pressure	psi	12 100		11 000	
	Mpa	83		76	
Collapse pressure	psi	10 800		6 800	
	MPa	74		47	
Adjusted weight	lbs/ft		24,83		
	kg/mtr		37,0		
Approx weight each joint	lbs		782		
	kg		355		
Capacity	gal/ft		0,90		
	ltr/mtr		11,21		
Open end displacement	gal/ft		0,380		
	ltr/mtr		4,72		
Closed end displacement	gal/ft		1,28		
	ltr/mtr		15,93		
Built In Length (shoulder to shoulder)	ft		31,5		
	mtr.		9,6		

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 !

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<i>String number:</i>	<i>Joints:</i>	<i>Individual serial numbers:</i>
OWS-DP-8503	375	ON-001 to ON-400