

Equipment No's: Ref. Enclosed page

Spec. No.: DP-4-03

TECHNICAL SPECIFICATIONS

4" OD Drill Pipe, XD-105, XT-39 Conn's.

New
Premium

80% Remaining Body Wall

DESCRIPTION

Type IU, 14.0 #, H₂S
 Range 2
 Conventional=welded T-J. / Integral=Monoblock Conventional

TUBE DATA

Material grade				XD-105	
Internal plastic coating				Arnco-300XT	
Tube body OD x ID	inch	4,000	3,340	3,868	3,340
Wall thickness, nominal	inch	0,330			0,264
Cross Sectional Area	inch ²	3,805			2,989
Polar Sectional Modulus	inch ³	6,458			5,046
Tensile yield pipe	lbf	399 500			313 900
	kN	1 777			1 396
Torsional yield pipe	lbf-ft	32 600			25 480
	kNm	44,2			34,5
80% Torsional Yield	lbf-ft	26 080			20 384
	kNm	35,4			27,6

CONNECTIONS DATA

Connection type				XT-39	
Material grade				105 ksi	
Hardbanding				TK-34P	
OD x ID	inch	4,875	2,563	4,652	2,563
B.S.R.	x : 1	NA		NA	
Tensile yield tooljoint	lbf	638 200			508 200
	kN	2 839			2 261
Torsional yield tooljoint	lbf-ft	32 400			26 300
	kNm	43,9			35,7
Make up torque (Max.)	lbf-ft	19 400			15 800
	kNm	26,3			21,4

OPERATIONAL DATA

Tool-joint/Drill-pipe torsional ratio	=> 0.80	0,99		1,27
Drift diameter	inch		2,438	
Type of elevator shoulder			18°	
Burst pressure	psi	15 160		13 860
	Mpa	105		96
Collapse pressure	psi	15 900		11 620
	MPa	110		80
Adjusted weight	lbs/ft		16,38	
	kg/mtr		24,4	
Approx weight each joint	lbs		518	
	kg		235	
Capacity	gal/ft		0,43	
	ltr/mtr		5,34	
Open end displacement	gal/ft		0,25	
	ltr/mtr		3,10	
Closed end displacement	gal/ft		0,68	
	ltr/mtr		8,45	
Built In Length (shoulder to shoulder)	ft		31,64	
	mtr.		9,64	

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-8507	641	OWS-1000 to OWS-1640