

## TECHNICAL SPECIFICATIONS

Equipment No's: Ref. Enclosed page

Spec. No.: DP-4-07

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

**New**

**Premium**

80% remaining Body Wall

#### DESCRIPTION

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

IU, 14.0 #, H<sub>2</sub>S  
2  
Conventional

#### TUBE DATA

Material grade		CYX-105			
Internal plastic coating		TK-34P			
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 <sup>2</sup>	3,805		2,989	
Polar Sectional Modulus	inch <sup>3</sup>	6,458		5,046	
Tensile yield pipe	lbf	399 500		313 900	
	kN	1 777		1 396	
Torsional yield pipe	lbf-ft	32 600		25 500	
	kNm	44,2		34,6	
80% Torsional Yield	lbf-ft	26 080		20 400	
	kNm	35,4		27,7	

#### CONNECTION DATA

Connection type		XT-39			
Material grade		120 ksi			
Hardbanding		Armacor-M			
OD x ID	inch	4,875	2,563	4,852	2,563
B.S.R.	x : 1	NA		NA	
Tensile yield tooljoint	lbf	729 700		580 800	
	kN	3 246		2 584	
Torsional yield tooljoint	lbf-ft	37 000		30 100	
	kNm	50,2		40,8	
Make up torque (Max.)	lbf-ft	22 200		18 100	
	kNm	30,1		24,5	

#### OPERATIONAL DATA

Tool joint/Drill pipe torsional ratio	=> 0.80 *	1,13		1,45	
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			16,4	
	kg/mtr			24,4	
Approx weight each joint	lbs			517	
	kg			234	
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			31,50	
	mtr.			9,60	

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 !

<i>String number:</i>	<i>Joints:</i>	<i>Individual serial numbers:</i>
OWS-DP-8501	90	OWS-1019 - OWS- 2299