

## TECHNICAL SPECIFICATIONS

Equipment No's: Ref. Enclosed page

Spec. No.:

HWDP-2.875-01

**2-7/8" OD Heavy-Weight Drill Pipe, 110ksi, WT-23 Conn's.**

**New**

**Premium**

80% remaining Body Wall

**DESCRIPTION**

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

( AISI-4145, 15.98 # )  
2  
Integral

**TUBE DATA**

Material grade	AISI-4145H (110ksi)				
Internal plastic coating	TK-34P				
Tube body OD x ID	inch	2,875	1,500	2,600	1,500
Wall thickness, nominal	inch		0,688		0,550
Cross Sectional Area	inch <sup>2</sup>		4,725		3,542
Polar Sectional Modulus	inch <sup>3</sup>		4,320		3,069
Tensile yield pipe	lbf		519 700		389 600
	kN		2 311,7		1 733,0
Torsional yield pipe	lbf-ft		22 850		16 230
	kNm		31,0		22,0
80% Torsional Yield	lbf-ft		18 280		12 984
	kNm		24,8		17,6

**CONNECTION DATA**

Connection type	WT-23				
Material grade	AISI-4145H (110ksi)				
Hardbanding	TCS Titanium				
OD x ID	inch	3,125	1,500	2,938	1,500
B.S.R.	x : 1		NA		NA
Tensile yield tooljoint	lbf		387 000		
	kN		1 721,5		
Torsional yield tooljoint	lbf-ft		10 400		
	kNm		14,1		
Make up torque Minimum	lbf-ft		2 200		
	kNm		3,0		
Make up torque Maximum	lbf-ft		8 300		
	kNm		11,3		

**OPERATIONAL DATA**

Tool joint/Drill pipe torsional ratio	=> 0.80	0,46		
Drift diameter	inch		1,375	
Type of elevator shoulder:			18°	
Burst pressure	psi		46 030	42 090
	Mpa		317	290
Collapse pressure	psi		40 030	36 690
	MPa		276	253
Adjusted weight	lbs/ft		17,3	
	kg/mtr		25,8	
Approx weight each joint	lbs		538	
	kg		244	
Capacity	gal/ft		0,092	
	ltr/mtr		1,14	
Open end displacement	gal/ft		0,270	
	ltr/mtr		3,35	
Closed end displacement	gal/ft		0,362	
	ltr/mtr		4,50	
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 !

<i>String number:</i>	<i>Joints:</i>	<i>Individual serial numbers:</i>
OWS-HWDP-2781	21	OWS-001 to OWS-021