

Equipment No's: Ref. Enclosed page

Spec. No.: HWDP-2.875-01

TECHNICAL SPECIFICATIONS

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

80% Remaining Body Wall

DESCRIPTION

 Type (AISI-4145, 15.98 #)
 Range 2
 Conventional=welded T-J. / Integral=Monoblock Integral

TUBE DATA

Material grade		AISI-4145H (110ksi)			
Internal plastic coating		TC-2000			
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 ²	4,725		3,542	
Polar Sectional Modulus	inch ³	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	

CONNECTIONS 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 !

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Docs. # 1288498

Frb-12.12.2014



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