

## TECHNICAL SPECIFICATIONS

Equipment No's: Ref. Enclosed page

Spec. No.: HWDP-5.875-06

### 5-7/8" OD Heavy-Weight Drill Pipe, ST-57 Conn's.

**New**

**Premium**

**DESCRIPTION**

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

80% remaining Body Wall  
AISI-4145H Mod, 52.5#  
2  
Integral

#### TUBE DATA

Material grade	4145 mod. (120 ksi)				
Internal plastic coating	DJ-207				
Tube body OD x ID	inch	5,875	4,000	5,500	4,000
Wall thickness, nominal	inch	0,938		0,750	
Cross Sectional Area	inch <sup>2</sup>	14,542		11,764	
Polar Sectional Modulus	inch <sup>3</sup>	31,260		23,528	
Tensile yield pipe	lbf	1 745 057		1 343 031	
	kN	7 762		5 974	
Torsional yield pipe	lbf-ft	180 369		135 760	
	kNm	244,5		184,1	
80% Torsional Yield	lbf-ft	144 295		108 608	
	kNm	195,6		147,3	

#### CONNECTION DATA

Connection type	ST-57				
Stress Relief Grooves	NA				
Material grade	4145H mod. (120 ksi)				
Hardbanding	TCS Titanium				
OD x ID	inch	7,000	4,000	6,724	4,000
B.S.R.	x : 1	1,60			
Tensile yield tooljoint	lbf	1 394 880		1 394 880	
	kN	6 205		6 205	
Torsional yield tooljoint	lbf-ft	80 734		71 149	
	kNm	109,5		96,5	
Make up torque (Max.)	lbf-ft	56 500		49 800	
	kNm	76,6		67,5	

#### OPERATIONAL DATA

Tool joint/Drill pipe torsional ratio	0,45		0,59		
Drift diameter	inch	3,750			
Type of elevator shoulder:	18°				
Burst pressure	psi	38 486		26 182	
	Mpa	265		181	
Collapse pressure	psi	32 187		22 612	
	MPa	222		156	
Adjusted weight	lbs/ft	59,5			
	kg/mtr	88,5			
Approx weight each joint	lbs	1 844			
	kg	836			
Capacity	gal/ft	0,653			
	ltr/mtr	8,11			
Open end displacement	gal/ft	0,908			
	ltr/mtr	11,28			
Closed end displacement	gal/ft	1,56			
	ltr/mtr	19,39			
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-5.875-06	30	OWS-01 to OWS-30
OWS-HWDP-5.875-06	50	OWS-31 to OWS-80
OWS-HWDP-5.875-06	30	OWS-81 to OWS-110