

TECHNICAL SPECIFICATIONS

Equipment No's: Ref. Enclosed page

Spec. No.: HWDP-5.875-03

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

New

Premium

DESCRIPTION

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

80% remaining Body Wall
HW-120, 49.17#
2
Conventional

TUBE DATA

Material grade		4130M7 (105 ksi)			
Internal plastic coating		TK-34P			
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 ²	14,542		11,192	
Polar Sectional Modulus	inch ³	31,260		23,528	
Tensile yield pipe	lbf	1 745 100		1 343 000	
	kN	7 763		5 974	
Torsional yield pipe	lbf-ft	180 380		135 760	
	kNm	244,6		184,1	
80% Torsional Yield	lbf-ft	144 304		108 608	
	kNm	195,7		147,3	

CONNECTION DATA

Connection type		XT-57			
Stress Relief Grooves		NA			
Material grade		4130M7 (120 ksi)			
Hardbanding		TCS Titanium			
OD x ID	inch	7,000	4,000	6,724	4,000
B.S.R.	x : 1	1,60		1,23	
Tensile yield tooljoint	lbf	1 394 900		1 252 600	
	kN	6 205		5 572	
Torsional yield tooljoint	lbf-ft	106 200		89 000	
	kNm	144,0		120,7	
Make up torque Maximum	lbf-ft	63 700		53 400	
	kNm	86,4		72,4	

OPERATIONAL DATA

Tool joint/Drill pipe torsional ratio		0,59	0,78
Drift diameter	inch		3,875
Type of elevator shoulder:			18°
Burst pressure	psi <i>Mpa</i>	33 510 <i>231</i>	30 640 <i>211</i>
Collapse pressure	psi <i>MPa</i>	32 190 <i>222</i>	28 260 <i>195</i>
Adjusted weight	lbs/ft <i>kg/mtr</i>		55,14 <i>82,1</i>
Approx weight each joint	lbs <i>kg</i>		1 709 <i>775</i>
Capacity	gal/ft <i>ltr/mtr</i>		0,653 <i>8,11</i>
Open end displacement	gal/ft <i>ltr/mtr</i>		0,85 <i>10,37</i>
Closed end displacement	gal/ft <i>ltr/mtr</i>		1,49 <i>18,48</i>
Built In Length (shoulder to shoulder)	ft <i>mtr</i>		31,0 <i>9,45</i>

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-5787	77	OWS-105049 to OWS-105125