

TECHNICAL SPECIFICATIONS

Equipment No's: Ref. Enclosed page

Spec. No.: HWDP-5.875-02

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-105, 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 kN	1 526 900 6 792		1 175 200 5 228	
Torsional yield pipe	lbf-ft kNm	157 800 213,9		118 790 161,1	
80% Torsional Yield	lbf-ft kNm	126 240 171,2		95 032 128,8	

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 kN	1 394 900 6 205		1 252 600 5 572	
Torsional yield tooljoint	lbf-ft kNm	106 200 144,0		89 000 120,7	
Make up torque Maximum	lbf-ft kNm	63 700 86,4		53 400 72,4	

OPERATIONAL DATA

Tool joint/Drill pipe torsional ratio		0,67	0,89
Drift diameter	inch	3,875	
Type of elevator shoulder:		18°	
Burst pressure	psi	29 320	26 810
	<i>Mpa</i>	<i>183</i>	<i>185</i>
Collapse pressure	psi	28 160	24 730
	<i>MPa</i>	<i>194</i>	<i>171</i>
Adjusted weight	lbs/ft	55,14	
	<i>kg/mtr</i>	<i>82,1</i>	
Approx weight each joint	lbs	1 709	
	<i>kg</i>	<i>775</i>	
Capacity	gal/ft	0,656	
	<i>ltr/mtr</i>	<i>8,15</i>	
Open end displacement	gal/ft	0,84	
	<i>ltr/mtr</i>	<i>10,47</i>	
Closed end displacement	gal/ft	1,50	
	<i>ltr/mtr</i>	<i>18,58</i>	
Built In Length (shoulder to shoulder)	ft	31,0	
	<i>mtr</i>	<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-5789	50	OWS-200 to OWS-249
OWS-HWDP-57810	52	OWS-250 to OWS-301
OWS-HWDP-57811	30	OWS-310 to OWS-339
OWS-HWDP-57813	26	NS-9168-001 to NS-9168-127