



Equipment No's: Ref. Enclosed page

Spec. No.: HWDP-5.875-03

TECHNICAL SPECIFICATIONS

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

New

Premium

80% Remaining Body Wall

DESCRIPTION

Type HW-120, 49.17#
Range 2
Conventional=welded T-J. / Integral=Monoblock Conventional

TUBE DATA

Material grade		4130M7 (120 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	

CONNECTIONS 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 (Max.)	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	33 510		30 640	
	Mpa	231		211	
Collapse pressure	psi	32 190		28 260	
	MPa	222		195	
Adjusted weight	lbs/ft			55,1	
	kg/mtr			82,1	
Approx weight each joint	lbs			1 709	
	kg			775	
Capacity	gal/ft			0,653	
	ltr/mtr			8,11	
Open end displacement	gal/ft			0,835	
	ltr/mtr			10,37	
Closed end displacement	gal/ft			1,49	
	ltr/mtr			18,48	
Built In Length (shoulder to shoulder)	ft			31,0	
	mtr.			9,45	

Calculated using nominal OD & ID. Safety & Dope friction factor used: 1.0

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<i>String number:</i>	<i>Joints:</i>	<i>Individual serial numbers:</i>
OWS-HWDP-5787	77	OWS-105049 to OWS-105125