

TECHNICAL SPECIFICATIONS

Equipment No's: Ref. Enclosed page

Spec. No.: HWDP-5-06

5" OD Heavy-Weight Drill Pipe, 4140, NC-50 Vam Eis Conn's.

New

Premium

DESCRIPTION

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

80% remaining Body Wall
AISI-4140H, 42.49#
2
Conventional

TUBE DATA

Material grade		AISI-4140 (120 ksi)			
Internal plastic coating		TK-34P			
Tube body OD x ID	inch	5,000	3,000	4,600	3,000
Wall thickness, nominal	inch		1,000		0,800
Cross Sectional Area	inch ²		12,566		9,550
Polar Sectional Modulus	inch ³		21,363		15,654
Tensile yield pipe	lbf kN		1 508 000 6 708		1 146 100 5 098
Torsional yield pipe	lbf-ft kNm		123 270 167,1		90 330 122,5
80% Torsional Yield	lbf-ft kNm		98 616 133,7		72 264 98,0

CONNECTION DATA

Connection type		NC-50 Vam Eis			
Stress Relief Grooves		NA			
Material grade		AISI-4140H (120 ksi)			
Hardbanding		Titanium			
OD x ID	inch	6,625	3,000	6,313	3,000
B.S.R.	x : 1		2,28		1,85
Tensile yield tooljoint	lbf kN		1 397 000 6 214		1 158 300 5 152
Torsional yield tooljoint	lbf-ft kNm		85 260 115,6		74 780 101,4
Make up torque Maximum	lbf-ft kNm		48 600 65,9		42 600 57,8

OPERATIONAL DATA

Tool joint/Drill pipe torsional ratio		0,69		0,94
Drift diameter	inch		2,875	
Type of elevator shoulder:			18°	
Burst pressure	psi Mpa	42 000 290		38 400 265
Collapse pressure	psi MPa	38 400 265		34 480 238
Adjusted weight	lbs/ft kg/mtr		52,6 78,3	
Approx weight each joint	lbs kg		1 631 740	
Capacity	gal/ft litr/mtr		0,369 4,58	
Open end displacement	gal/ft litr/mtr		0,81 10,06	
Closed end displacement	gal/ft litr/mtr		1,18 14,64	
Built In Length (shoulder to shoulder)	ft mtr		31,0 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-514-EIS	20	101784 to 101803 + OWS-30