

TECHNICAL SPECIFICATIONS

Equipment No's: Ref. Enclosed page

Spec. No.: HWDP-5-13

5" OD Heavy-Weight Drill Pipe, 4145, NC-50 Vam Eis Conn's. New

Premium

DESCRIPTION

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

80% remaining Body Wall

AISI-4145H, 38.33#

3

Integral

TUBE DATA

Material grade		AISI-4145H (110 ksi)			
Internal plastic coating		TK-34P			
Tube body OD x ID	inch	5,000	3,250	4,650	3,250
Wall thickness, nominal	inch	0,875		0,700	
Cross Sectional Area	inch ²	11,339		8,687	
Polar Sectional Modulus	inch ³	20,162		15,031	
Tensile yield pipe	lbf	1 247 300		955 500	
	kN	5 548		4 250	
Torsional yield pipe	lbf-ft	106 650		79 500	
	kNm	144,6		107,8	
80% Torsional Yield	lbf-ft	85 320		63 600	
	kNm	115,7		86,2	

CONNECTION DATA

Connection type		NC-50 Vam Eis			
Stress Relief Grooves		SRG / BB			
Material grade		AISI-4145H (110 ksi)			
Hardbanding		Arnco-300XT			
OD x ID	inch	6,625	3,250	6,313	3,250
B.S.R.	x : 1	2,43		1,97	
Tensile yield tooljoint	lbf	1 145 600		1 061 800	
	kN	5 096		4 723	
Torsional yield tooljoint	lbf-ft	68 300		64 280	
	kNm	92,6		87,2	
Make up torque Maximum	lbf-ft	38 900		36 600	
	kNm	52,7		49,6	

OPERATIONAL DATA

Tool joint/Drill pipe torsional ratio		0,64		0,86	
Drift diameter	inch		3,125		
Type of elevator shoulder:			18°		
Burst pressure	psi	33 690		30 800	
	Mpa	232		212	
Collapse pressure	psi	31 760		28 130	
	MPa	219		194	
Adjusted weight	lbs/ft		44,09		
	kg/mtr		65,6		
Approx weight each joint	lbs		1 984		
	kg		900		
Capacity	gal/ft		0,433		
	ltr/mtr		5,38		
Open end displacement	gal/ft		0,68		
	ltr/mtr		8,45		
Closed end displacement	gal/ft		1,11		
	ltr/mtr		13,82		
Built In Length (shoulder to shoulder)	ft		45,0		
	mtr		13,72		

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>			
OVS-HWDP-508-EIS	29	56412	63419	63420	63421
		63422	63423	63424	63425
		63426	63427	63429	63480
		63481	63483	63485	63487
		63488	63489	63491	63492
		63494	63496	63497	63498
		69027	69029	69031	69033
		69034	69035		