

Equipment No's: Ref. Enclosed page

Spec. No.: HWDP-5.5-04

TECHNICAL SPECIFICATIONS

5-1/2" OD Heavy-Weight Drill Pipe, 4140, 5-1/2" FH DSTJ Conn's.
New
Premium

80% Remaining Body Wall

DESCRIPTION

 Type AISI-4140H, 47.81#
 Range 2
 Conventional=welded T-J. / Integral=Monoblock Conventional

TUBE DATA

Material grade		AISI-4140H (120 ksi)			
Internal plastic coating		TK-34P			
Tube body OD x ID	inch	5,500	3,500	5,100	3,500
Wall thickness, nominal	inch	1,000		0,800	
Cross Sectional Area	inch ²	14,137		10,807	
Polar Sectional Modulus	inch ³	27,310		20,269	
Tensile yield pipe	lbf	1 696 500		1 296 800	
	kN	7 546		5 768	
Torsional yield pipe	lbf-ft	157 590		116 950	
	kNm	213,7		158,6	
80% Torsional Yield	lbf-ft	126 072		93 560	
	kNm	170,9		126,9	

CONNECTIONS DATA

Connection type		5-1/2" FH. DSTJ			
Stress Relief Grooves		NA			
Material grade		AISI-4140H (120 ksi)			
Hardbanding		Arnc0-300XT			
OD x ID	inch	7,000	3,500	6,719	3,500
B.S.R.	x : 1	1,97		1,64	
Tensile yield tooljoint	lbf	1 399 900		1 036 600	
	kN	6 227		4 611	
Torsional yield tooljoint	lbf-ft	81 550		63 110	
	kNm	110,6		85,6	
Make up torque (Max.)	lbf-ft	57 100		44 200	
	kNm	77,4		59,9	

OPERATIONAL DATA

Tool-joint/Drill-pipe torsional ratio		0,52		0,70
Drift diameter	inch		3,375	
Type of elevator shoulder			18°	
Burst pressure	psi	38 180		34 910
	Mpa	263		241
Collapse pressure	psi	35 700		31 740
	MPa	246		219
Adjusted weight	lbs/ft		55,6	
	kg/mtr		82,7	
Approx weight each joint	lbs		1 724	
	kg		782	
Capacity	gal/ft		0,501	
	ltr/mtr		6,22	
Open end displacement	gal/ft		0,85	
	ltr/mtr		10,56	
Closed end displacement	gal/ft		1,35	
	ltr/mtr		16,78	
Built In Length (shoulder to shoulder)	ft		31,0	
	mtr.		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 !

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ODFJELL WELL SERVICES

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<i>String number:</i>	<i>Joints:</i>	<i>Individual serial numbers:</i>
OWS-HWDP-51212	40	OWS-94657 to OWS-94696
OWS-HWDP-51216	30	OWS-101479 to OWS-101508