

TECHNICAL SPECIFICATIONS

Equipment No's: Ref. Enclosed page

Spec. No.: HWDP-5-5-04

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

Premium

DESCRIPTION

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

80% remaining Body Wall
AISI-1340, 47.81#
2
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 kN	1 696 500 7 546		1 296 800 5 768
Torsional yield pipe	lbf-ft kNm	157 590 213,7		116 950 158,6
80% Torsional Yield	lbf-ft kNm	126 072 170,9		93 560 126,9

CONNECTION DATA

Connection type	5-1/2" FH. DSTJ			
Stress Relief Grooves	NA			
Material grade	AISI-4140H (120 ksi)			
Hardbanding	Arnco-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 kN	1 399 900 6 227		1 036 600 4 611
Torsional yield tooljoint	lbf-ft kNm	81 550 110,6		63 110 85,6
Make up torque Maximum	lbf-ft kNm	57 100 77,4		44 200 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 Mpa	38 180 263		34 910 241
Collapse pressure	psi MPa	35 700 246		31 740 219
Adjusted weight	lbs/ft kg/mtr		55,60 82,7	
Approx weight each joint	lbs kg		1 724 782	
Capacity	gal/ft ltr/mtr		0,501 6,22	
Open end displacement	gal/ft ltr/mtr		0,85 10,56	
Closed end displacement	gal/ft ltr/mtr		1,35 16,78	
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-51212	40	OWS-94657 to OWS-94696
OWS-HWDP-51216	30	OWS-101479 to OWS-101508