

TECHNICAL SPECIFICATIONS

Equipment No's: Ref. Enclosed page

Spec. No.: HWDP-5-5-05

5-1/2" OD Heavy-Weight Drill Pipe, 1340, 5-1/2" FH DSTJ Conn's. New

Premium

DESCRIPTION

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

80% remaining Body Wall
AISI-1340, 40.46#
2
Conventional

TUBE DATA

Material grade		AISI-1340 (55 ksi)			
Internal plastic coating		NA			
Tube body OD x ID	inch	5,500	3,875	5,175	3,875
Wall thickness, nominal	inch	0,813		0,650	
Cross Sectional Area	inch ²	11,965		9,240	
Polar Sectional Modulus	inch ³	24,618		18,657	
Tensile yield pipe	lbf <i>kN</i>	658 100 <i>2 927</i>		508 200 <i>2 261</i>	
Torsional yield pipe	lbf-ft <i>kNm</i>	65 110 <i>88,3</i>		49 340 <i>66,9</i>	
80% Torsional Yield	lbf-ft <i>kNm</i>	52 088 <i>70,6</i>		39 472 <i>53,5</i>	

CONNECTION DATA

Connection type		5-1/2" FH. DSTJ			
Stress Relief Grooves		NA			
Material grade		AISI-4145H (120 ksi)			
Hardbanding		Arnco-300XT			
OD x ID	inch	7,000	3,875	6,719	3,875
B.S.R.	x : 1	2,21		1,84	
Tensile yield tooljoint	lbf <i>kN</i>	1 337 300 <i>5 949</i>		1 036 600 <i>4 611</i>	
Torsional yield tooljoint	lbf-ft <i>kNm</i>	75 000 <i>101,7</i>		59 640 <i>80,9</i>	
Make up torque Maximum	lbf-ft <i>kNm</i>	52 500 <i>71,2</i>		41 700 <i>56,5</i>	

OPERATIONAL DATA

Tool joint/Drill pipe torsional ratio		1,15		1,52	
Drift diameter	inch		3,750		
Type of elevator shoulder:			18°		
Burst pressure	psi <i>Mpa</i>	14 220 <i>98</i>		13 000 <i>90</i>	
Collapse pressure	psi <i>MPa</i>	13 850 <i>95</i>		12 080 <i>83</i>	
Adjusted weight	lbs/ft <i>kg/mtr</i>		48,24 <i>71,8</i>		
Approx weight each joint	lbs <i>kg</i>		1 495 <i>678</i>		
Capacity	gal/ft <i>ltr/mtr</i>		0,614 <i>7,63</i>		
Open end displacement	gal/ft <i>ltr/mtr</i>		0,74 <i>9,19</i>		
Closed end displacement	gal/ft <i>ltr/mtr</i>		1,35 <i>16,82</i>		
Built In Length (shoulder to shoulder)	ft <i>mtr</i>		31,0 <i>9,45</i>		

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-51222	21	107327 to 107347
OWS-HWDP-51223	33	107294 to 107326