



Equipment No's: Ref. Enclosed page

Spec. No.: HWDP-5.5-01

**TECHNICAL SPECIFICATIONS**

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

**New**

**Premium**

80% Remaining Body Wall

**DESCRIPTION**

Type	AISI-1340, 47.81#
Range	2
Conventional=welded T-J. / Integral=Monoblock	Conventional

**TUBE DATA**

Material grade		AISI-1340 (55 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 <sup>2</sup>	14,137		10,807	
Polar Sectional Modulus	inch <sup>3</sup>	27,310		20,269	
Tensile yield pipe	lbf	777 500		594 400	
	<i>kN</i>	<i>3 458</i>		<i>2 644</i>	
Torsional yield pipe	lbf-ft	72 230		53 600	
	<i>kNm</i>	<i>97,9</i>		<i>72,7</i>	
80% Torsional Yield	lbf-ft	57 784		42 880	
	<i>kNm</i>	<i>78,3</i>		<i>58,1</i>	

**CONNECTIONS DATA**

Connection type		5-1/2" FH.			
Stress Relief Grooves		SRG / BB			
Material grade		AISI-4145H (120 ksi)			
Hardbanding		Arnco-300XT			
OD x ID	inch	7,250	3,500	6,719	3,500
B.S.R.	x : 1	2,25		1,60	
Tensile yield tooljoint	lbf	1 412 600		1 036 600	
	<i>kN</i>	<i>6 284</i>		<i>4 611</i>	
Torsional yield tooljoint	lbf-ft	64 100		46 100	
	<i>kNm</i>	<i>86,9</i>		<i>62,5</i>	
Make up torque (Max.)	lbf-ft	43 400		27 700	
	<i>kNm</i>	<i>58,8</i>		<i>37,6</i>	

**OPERATIONAL DATA**

Tool-joint/Drill-pipe torsional ratio		0,89		1,20	
Drift diameter	inch		3,375		
Type of elevator shoulder			18°		
Burst pressure	psi	17 500		16 000	
	<i>Mpa</i>	<i>121</i>		<i>110</i>	
Collapse pressure	psi	16 360		14 550	
	<i>MPa</i>	<i>113</i>		<i>100</i>	
Adjusted weight	lbs/ft		56,80		
	<i>kg/mtr</i>		<i>84,5</i>		
Approx weight each joint	lbs		1 761		
	<i>kg</i>		<i>799</i>		
Capacity	gal/ft		0,501		
	<i>ltr/mtr</i>		<i>6,22</i>		
Open end displacement	gal/ft		0,87		
	<i>ltr/mtr</i>		<i>10,80</i>		
Closed end displacement	gal/ft		1,37		
	<i>ltr/mtr</i>		<i>17,03</i>		
Built In Length (shoulder to shoulder)	ft		31,0		
	<i>mtr.</i>		<i>9,45</i>		

Calculated using nominal OD & ID. Safety & Dope friction factor used: 1.0

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<i>String number:</i>	<i>Joints:</i>	<i>Individual serial numbers:</i>
OWS-HWDP-5127	50	OWS-85404 to OWS-85453