

TECHNICAL SPECIFICATIONS

Equipment No's: Ref. Enclosed page

Spec. No.: DP-5.875-03

5-7/8" OD Drill Pipe, Z-140, XT-57 Conn's.

New

Premium

80% remaining Body Wall

DESCRIPTION

Type IEU, 23.40 #
 Range 3
 Conventional=welded T-J. / Integral=Monoblock Conventional

TUBE DATA

Material grade		Z-140			
Internal plastic coating		TK-34P			
Tube body OD x ID	inch	5,875	5,153	5,731	5,153
Wall thickness, nominal	inch	0,361		0,289	
Cross Sectional Area	inch ²	6,254		4,937	
Polar Sectional Modulus	inch ³	16,251		12,793	
Tensile yield pipe	lbf <i>kN</i>	875 500 <i>3 894</i>		691 200 <i>3 075</i>	
Torsional yield pipe	lbf-ft <i>kNm</i>	109 400 <i>148,3</i>		86 100 <i>116,7</i>	
80% Torsional Yield	lbf-ft <i>kNm</i>	87 520 <i>118,7</i>		68 880 <i>93,4</i>	

CONNECTION DATA

Connection type		XT-57			
Material grade		120ksi			
Hardbanding		Arcco-300XT			
OD x ID	inch	7,000	4,250	6,566	4,250
B.S.R.	x : 1	NA		NA	
Tensile yield tooljoint	lbf <i>kN</i>	1 200 500 <i>5 340</i>		1 054 200 <i>4 689</i>	
Torsional yield tooljoint	lbf-ft <i>kNm</i>	94 300 <i>127,9</i>		72 100 <i>97,8</i>	
Make up torque (Max.)	lbf-ft <i>kNm</i>	56 600 <i>76,7</i>		43 300 <i>58,7</i>	

OPERATIONAL DATA

Tool joint/Drill pipe torsional ratio	=> 0.80	0,86		1,10	
Drift diameter	inch			4,125	
Type of elevator shoulder:				18°	
Burst pressure	psi <i>Mpa</i>	15 050 <i>104</i>		13 760 <i>95</i>	
Collapse pressure	psi <i>MPa</i>	11 000 <i>76</i>		6 300 <i>43</i>	
Adjusted weight	lbs/ft <i>kg/mtr</i>			26,15 <i>38,9</i>	
Approx weight each joint	lbs <i>kg</i>			1 148 <i>521</i>	
Capacity	gal/ft <i>ltr/mtr</i>			1,05 <i>13,04</i>	
Open end displacement	gal/ft <i>ltr/mtr</i>			0,40 <i>4,97</i>	
Closed end displacement	gal/ft <i>ltr/mtr</i>			1,45 <i>18,01</i>	
Built In Length (shoulder to shoulder)	ft <i>mtr</i>			43,90 <i>13,38</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-DP-5781	713	VIS-001 to VIS-713a