

TECHNICAL SPECIFICATIONS

Equipment No's: Ref. Enclosed page

Spec. No.: HWDP-4-04

4" OD Heavy-Weight Drill Pipe, 1340, XT-39 Conn's.

New

Premium

80% remaining Body Wall

DESCRIPTION

Type

AISI-1340, 25.05#

Range

2

Conventional=welded T-J. / Integral=Monoblock

Conventional

TUBE DATA

Material grade		AISI-1340 (55 ksi)			
Internal plastic coating		NA			
Tube body OD x ID	inch	4,000	2,563	3,713	2,563
Wall thickness, nominal	inch		0,719		0,575
Cross Sectional Area	inch ²		7,409		5,668
Polar Sectional Modulus	inch ³		10,450		7,766
Tensile yield pipe	lbf		407 500		311 700
	kN		1 813		1 387
Torsional yield pipe	lbf-ft		27 640		20 540
	kNm		37,5		27,8
80% Torsional Yield	lbf-ft		22 112		16 432
	kNm		30,0		22,3

CONNECTION DATA

Connection type		XT-39			
Stress Relief Grooves		NA			
Material grade		AISI-4145H (120 ksi)			
Hardbanding		Arnc0-300XT			
OD x ID	inch	4,875	2,563	4,859	2,563
B.S.R.	x : 1		NA		NA
Tensile yield tooljoint	lbf		640 100		582 100
	kN		2 847		2 589
Torsional yield tooljoint	lbf-ft		37 000		30 100
	kNm		50,2		40,8
Make up torque Maximum	lbf-ft		22 200		18 100
	kNm		30,1		24,5

OPERATIONAL DATA

Tool joint/Drill pipe torsional ratio			1,34		1,80
Drift diameter	inch			2,438	
Type of elevator shoulder:				18°	
Burst pressure	psi		17 290		15 810
	Mpa		119		109
Collapse pressure	psi		16 210		14 400
	MPa		112		99
Adjusted weight	lbs/ft			28,38	
	kg/mtr			42,2	
Approx weight each joint	lbs			880	
	kg			399	
Capacity	gal/ft			0,269	
	ltr/mtr			3,34	
Open end displacement	gal/ft			0,43	
	ltr/mtr			5,34	
Closed end displacement	gal/ft			0,70	
	ltr/mtr			8,68	
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 !

<i>String number:</i>	<i>Joints:</i>	<i>Individual serial numbers:</i>
OWS-HWDP-402	40	OWS- 4003352, 4003353, 4003354, 4003355, 4003356, 4003362, 4003366, 4003373, 4003377, 4003380, 4003388, 4003392, 4003400, 4003402, 4007189, 4007192, 4007193, 4007194, 4007195, 4007197, 4007202, 4007220, 4007221, 4007228, 4007231, 4007233, 4007242, 4007248, 4007251, 4007255, 4007258, 4007259, 4007261, 4007264, 4007266, 4007267, 4007268, 4007274, 4007276, 4007340.
OWS-HWDP-403	100	OWS- 22375, 22376, 22377, 22378, 22379, 22380, 22381, 22382, 22383, 22384, 22385, 22386, 22387, 22388, 22389, 22390, 22391, 22392, 22393, 22397, 22398, 22399, 22400, 22401, 22402, 22406, 22407, 22408, 22409, 22410, 22411, 22413, 22414, 22416, 22417, 22418, 22419, 22421, 22422, 22423, 22424, 22425, 22426, 22430, 22431, 22432, 22433, 22434, 22443, 22444, 22445, 22446, 22447, 22448, 22449, 22450, 22451, 22452, 22453, 22451, 22455, 22456, 22457, 22458, 22459, 22460, 22473, 22474, 22475, 22476, 22477, 22478, 22479, 22480, 22481, 22482, 22483, 22484, 22491, 22492, 22493, 22494, 22495, 22496, 22497, 22498, 22499, 22500, 22501, 22502, 22503, 22504, 22505, 22506, 22507, 22508, 22509, 22510, 22511, 22512