

Equipment No's: Ref. Enclosed page

Spec. No.: HWDP-4-04

TECHNICAL SPECIFICATIONS

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	

CONNECTIONS DATA

Connection type		XT-39			
Stress Relief Grooves		NA			
Material grade		AISI-4145H (120 ksi)			
Hardbanding		Arnco-300XT			
OD x ID	inch	4,875	2,563	4,652	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 (Max.)	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 !

<http://www.ows.no/Legal-Notice>

Docs. # 1083656

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**ODFJELL WELL SERVICES**

A PART OF ODFJELL DRILLING

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