

Heavy Weight Drill Pipe Datasheet

Pipe Size:	3 1/2"
SAP NO	10223460
Tool Joint Material	AISI 4145H
Type	Integral
Kenn Nr	E0362040 - E0362063

Drill Pipe

Description	Units	Data
OD of Pipe	in	3 1/2
	mm	89
Adjusted Weight	lbs/ft	28,41
	kg/m	42,28
ID of Pipe	in	2,062
	mm	52,4
Wall Thickness	in	0,719
	mm	18,26
Tensile strength	lb	691.000
	daN	307.357
Pressure capacity	psi	39.545
	bar	2.727
Collapse capacity	psi	35.910
	bar	2.476
Torsional strength	ft-lb	39.200
	daNm	5.319
Section Area of Pipe	sq. in	6,282
	mm ²	4.053
Capacity	gal/ft	0,2
	l/m	2,48
Displacement (closed)	gal/ft	0,435
	l/m	5,39
Internal Prot. Coating	yes	TK 34P
Manufacturer	Protools	
Manufactured (year)	2008	

Tool Joint

Description	Units	Data
OD of Tool Joint	in	5
	mm	127,00
ID of Tool Joint	in	2 1/16
	mm	52,39
Connection Type		NC 38
Material	ksi	110,00
Pin Length	in	34
	mm	863,6
Box Length	in	24
	mm	609,6
Central Upset Length	in	26
	mm	660,4
Central Upset OD	in	4
	mm	101,60
Make Up Torque	ft-lb	13.200
	daNm	1.791
Make Up Torque	ft-lb	12.300
	daNm	1.669
Hardbanding Tool Joint	type	Arnco 100XT
Hardbanding Central part	type	Arnco 100XT

Heavy Weight Drill Pipe Datasheet

Pipe Size:	5-1/2"
SAP Material NO	10402890
Steel Grade	AISI 4145 modified
Type	Integral

Drill Pipe

Description	Units	Data
OD of Pipe	in	5 1/2"
	mm	139,7
Total Weight	lbs	1.723
	kg	781
Adjusted Weight	lbs/ft	55.79
	kg/m	83
ID of Pipe	in	3 5/8"
	mm	92,07
Wall Thickness	in	0,94"
	mm	23,88
Tensile Yield New	lb	1.610.000
	daN	715.555
Internal Pressure	psi	40.900
	Mpa	282
Collapse Pressure	psi	33.900
	Mpa	234
Torsional Yield	ft-lb	153.000
	daNm	20.731
Section Area of Pipe	sq. in	13,438
	mm ²	8.670
Capacity	gal/ft	0,54
	l/m	6,71
Displacement (closed)	gal/ft	1,39
	l/m	17,27
Internal Prot. Coating	yes	Tk34 P
Manufacturer	VAM Drilling	
Manufactured (year)	2011	

Tool Joint

Description	Units	Data
OD of Tool Joint New	in	7 1/4"
	mm	184,15
ID of Tool Joint	in	3 5/8"
	mm	92,07
Connection Type	5 1/2" FH VAM CDS	
Material	ksi	120,00
Pin Length	in	34"
	mm	864
Box Length	in	24"
	mm	610
Type of Shoulder Pin	35 deg	
Type of Shoulder Box	18 deg	
Central Upset Length	in	25"
	mm	635
Central Upset OD	in	6"
	mm	152
Make Up Torque (recommended)	ft-lb	57.100
	daNm	7.742
Make Up Torque (maximum)	ft-lb	59.100
	daNm	8.013
Make Up Torque (minimum)	ft-lb	45.700
	daNm	6.196
Hardbanding Tool Joint	type	TCS Titanium
Hardbanding Central part	type	Procasing

Heavy Weight Drill Pipe Datasheet

Pipe Size:	5"
SAP Material Nr	10428370
Steel Grade	AISI 4137H
Type	Welded

Drill Pipe

Description	Units	Data
OD of Pipe	in	5
	mm	127
Adjusted Weight	lbs/ft	53,24
	kg/m	79,23
ID of Pipe	in	3
	mm	76,2
Wall Thickness	in	1
	mm	25,40
Tensile strength	lb	816.814
	daN	363.319
Pressure capacity	psi	26.765
	bar	1.845
Collapse capacity	psi	20.800
	bar	1.434
Torsional strength	ft-lb	66.768
	daNm	9.059
Section Area of Pipe	sq. in	12,566
	mm ²	8.107
Capacity	gal/ft	0,367
	l/m	4,54
Displacement (closed)	gal/ft	1,181
	l/m	14,62
Internal Prot. Coating	yes	TK 34P
Manufacturer	DP Master	
Manufactured (year)	2014	

Tool Joint

Description	Units	Data
OD of Tool Joint	in	6 5/8
	mm	168,28
New	mm	168,28
	in	3
ID of Tool Joint	in	3
	mm	76,20
Connection Type		NC 50
Material	ksi	110,00
Pin Length	in	34
	mm	863,6
Box Length	in	24
	mm	609,6
Central Upset Length	in	25
	mm	635
Central Upset OD	in	5 1/2
	mm	139,70
Make Up Torque	ft-lb	32.800
	daNm	4.450
Max Recommended	ft-lb	28.100
	daNm	3.813
Make Up Torque Recommended	daNm	3.813
Hardbanding Tool Joint	type	TCS Titanium
Hardbanding Central part	type	TCS 8000

Heavy Weight Drill Pipe Datasheet

Pipe Size:	6 5/8"
SAP Material Nr	268099
Steel Grade	AISI 4145 modified
Type	AISI 1340

Drill Pipe

Description	Units	Data
OD of Pipe	in	6 5/8
	mm	168,3
Total Weight	lbs	2.336,00
	kg	1060
Adjusted Weight	lbs/ft	75,56
	kg/m	112,57
ID of Pipe	in	4 1/2
	mm	114,3
Wall Thickness	in	1 1/16
	mm	27,00
Tensile Yield New	lb	1.206.875
	daN	536.818
Internal Pressure	psi	20.849
	Mpa	144
Collapse Pressure	psi	17.505
	Mpa	121
Torsional Yield	ft-lb	140.458
	daNm	19.046
Section Area of Pipe	sq. in	48,567
	mm ²	11.979
Capacity	gal/ft	0,82
	l/m	10,23
Displacement (closed)	gal/ft	1,97
	l/m	24,52
Internal Prot. Coating	yes	TK 34
Manufacturer		SMFI
Manufactured (year)		1998

Tool Joint

Description	Units	Data
OD of Tool Joint New	in	8 1/2
	mm	215,9
ID of Tool Joint	in	4 1/2
	mm	114,30
Connection Type		6 5/8 " FH
Material	ksi	136,00
Pin Length	in	34
	mm	864
Box Length	in	24
	mm	610
Type of Shoulder Pin		35 deg
Type of Shoulder Box		18 deg
Central Upset Length	in	24
	mm	609,6
Central Upset OD	in	7
	mm	177,8
Make Up Torque (at 60% of material yiel strength)	ft-lb	53.050
	daNm	7.194
Hardbanding Tool Joint	type	Arnco 200 / 100 XT
Hardbanding Central part	type	Procasing

Heavy Weight Drill Pipe Datasheet

Pipe Size:	6 5/8"
SAP Material Nr	10401263
Steel Grade	AISI 4145 H MOD
Type	Integral

Drill Pipe

Description	Units	Data
OD of Pipe	in	6 5/8
	mm	168
Adjusted Weight	lbs/ft	93,92
	kg/m	139,76
ID of Pipe	in	3,75
	mm	95,3
Wall Thickness	in	
	mm	0,00
Tensile strength	lb	3.132.110
	daN	1.393.163
Pressure capacity	psi	50.767
	bar	3.500
Collapse capacity	psi	45.430
	bar	3.132
Torsional strength	ft-lb	329.355
	daNm	44.689
Section Area of Pipe	sq. in	
	mm ²	0
Capacity	gal/ft	0,574
	l/m	7,11
Displacement (closed)	gal/ft	1,790
	l/m	22,17
Internal Prot. Coating	yes	TK 34P
Manufacturer	Interdrill	
Manufactured (year)	2012	

Tool Joint

Description	Units	Data
OD of Tool Joint	in	8 1/2
	mm	215,90
ID of Tool Joint	in	3 3/4
	mm	95,25
Connection Type		6-5/8" REG
Material	ksi	110,00
Pin Length	in	34
	mm	863,6
Box Length	in	24
	mm	609,6
Central Upset Length	in	25
	mm	635
Central Upset OD	in	7 1/8
	mm	180,98
Make Up Torque	ft-lb	43.300
	daNm	5.875
Make Up Torque	ft-lb	38.631
	daNm	5.242
Hardbanding Tool Joint	type	TCS Titanium
Hardbanding Central part	type	TCS 8000