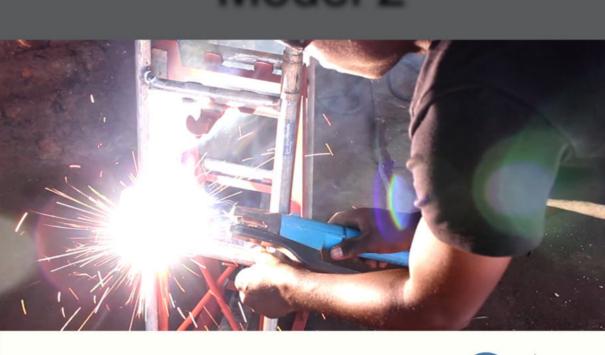


Rope pump Model 2



www.smartcentregroup.com



SHIPO Rope pump Model 2



Version 15-9-2014 www.SHIPO-TZ.org

Context

The SHIPO Rope pump Model 2 is a simplified version of the Model 1. For production details see Manual of the SHIPO model one. In this model a wheel cover is optional as well as a return PVC pipe. See pictures under.



Rope pump Model 2, with a return pipe, without wheel cover. Used for irrigation of a garden.

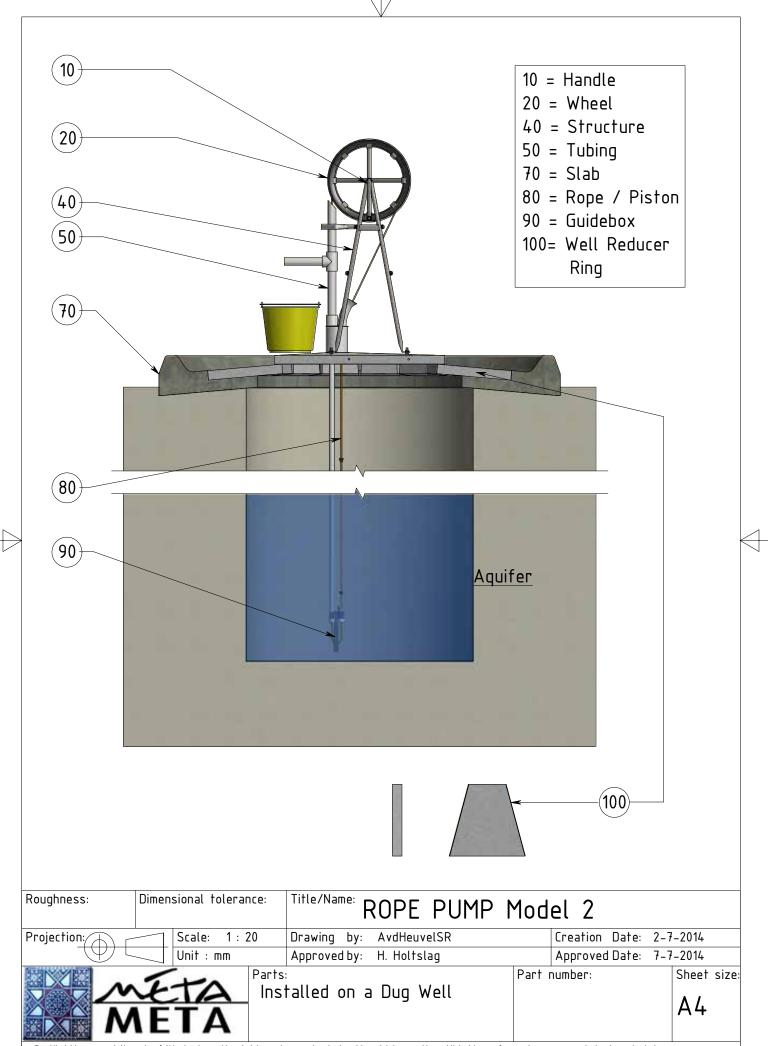
Rope pump Model 2 with Options of a Wheel cover

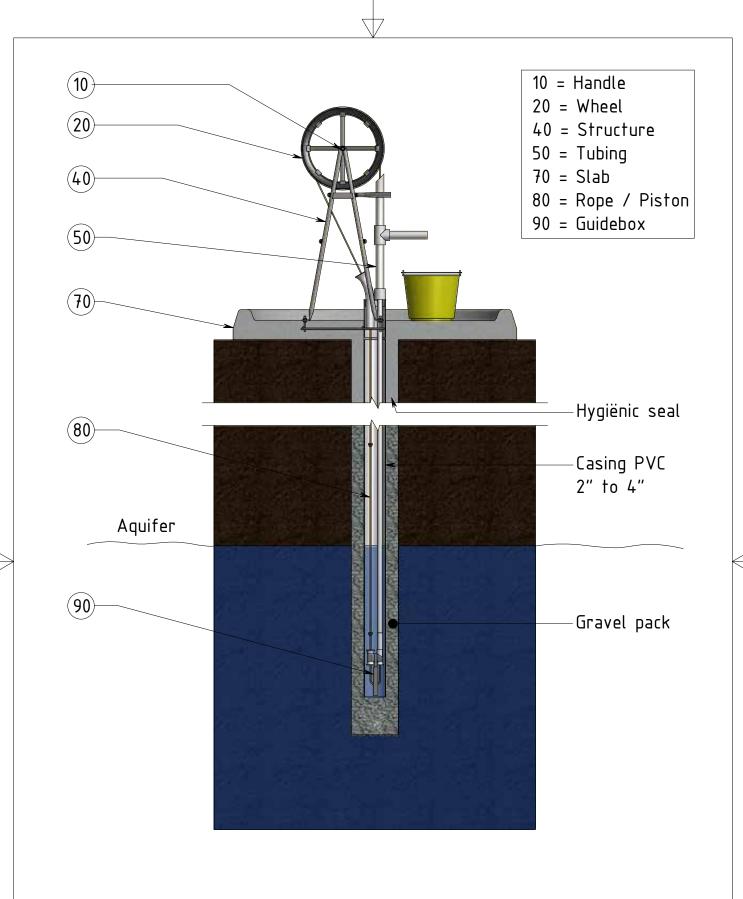


Separate Wheel cover



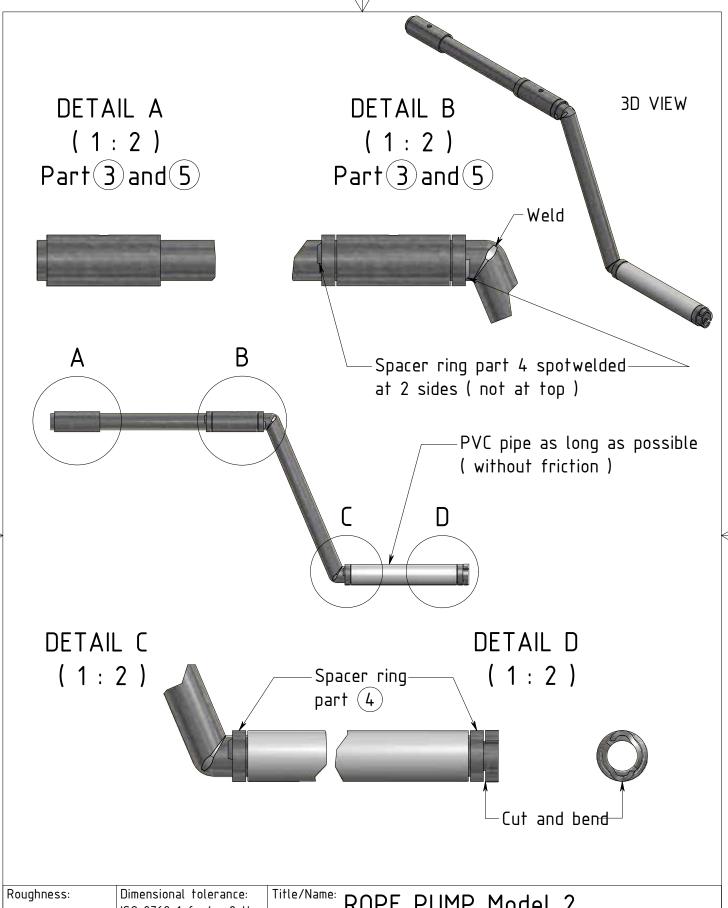
Mounting of wheel cover



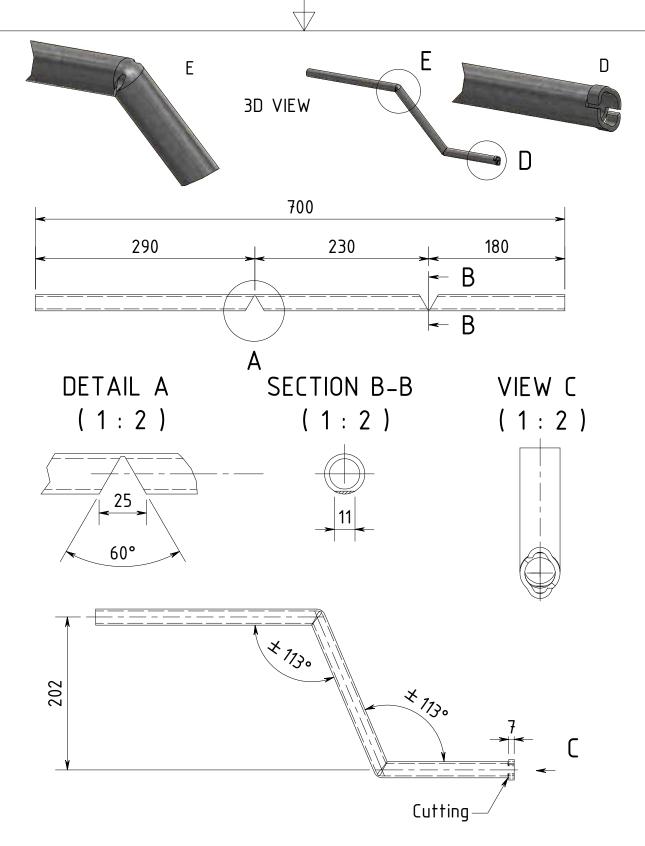


Roughness:	Dimensional tolerance:			Title/Name: ROPE PUMP	Mod	el 2		
Projection:		Scale: 1:	20	Drawing by: AvdHeuvelSR		Creation Date:	2-7	-2014
		Unit : mm		Approved by: H. Holtslag		Approved Date:	7-7	-2014
	1	+1/2	Parts	: talled on a Borehole	Part	number:		Sheet size
N	۱F	TA	1115	ratted on a porenote				A4





Projection: Unit: mm Approved by: H. Holtslag Approved Date: 7-7-2014 Parts: Handle - Assembly Scale: 1:2 1:5 Drawing by: AvdHeuvelSR Approved Date: 7-7-2014 Part number: A4	Rougilless.		368–1–f			Filter Name:	ROPE	PUMP	Mod	el 2				
Parts: Part number: Sheet siz	Projection:		Scale:	1:2 1	1:5	Drawing by:	AvdHeuv	relSR		Creation	Date:	2-7	-2014	
Handle – Assembly			Unit : m	ım		Approved by:	H. Holts	lag		Approved	d Date:	7-7	-2014	
All rights reserved. No parts of this drawing and/or sketch may be reproduced, stored in a database and/or published in any form or by any means, electronic, mechanical,	/ N	Æ IE	TA	1	Наг	ndle – Assi			10					size:



1	1	Pipe 21,3 x 2,6mm Length 700mm	S 235 JRH	Part 10-1	0,809 kg
ITEM	QTY	DESCRIPTION	MATERIAL	PART NUMBER	MASS
			PARTS LIST		

Title/Name: Roughness: Dimensional tolerance: ROPE PUMP Model 2 ISO 2768-1-f / -2-H 1:2 AvdHeuvelSR Creation Date: 2-7-2014 1:5 Drawing by: Projection: Scale: Unit : mm Approved by: H. Holtslag Approved Date: 7-7-2014



Parts:

Handle - Galvanized

Part number:

Sheet size

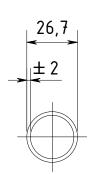
10-1

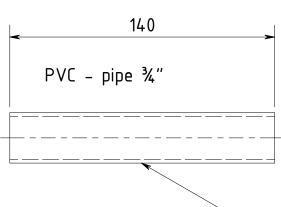
A4



3D VIEW

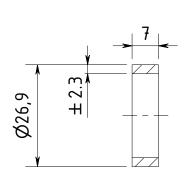


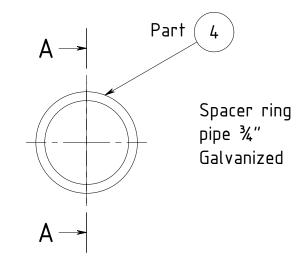




Part

SECTION A-A (1:1)





4	4	Pipe 26,9 x 2,35mm Length 7mm	S 235 JRH	Part 4	
2	1	Pipe 26,7 x 1,9mm Length 140mm	PVC	Part 2	0,029 kg
ITEM	QTY	DESCRIPTION	MATERIAL	PART NUMBER	MASS
			PARTS LIST		

Roughness:	Dimensional tolera ISO 2768-1-f /	nce: Title/Name: RO	PE PUMP Mode	el 2
Projection:	Scale: 1:1	1:2 Drawing by: Av	vdHeuvelSR	Creation Date: 2-7-2014
	Unit : mm	Approved by: H.	Holtslag	Approved Date: 7-7-2014



Parts:

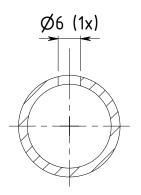
Handle, PVC pipe and Spacer ring

Part number:

Sheet size:

10-2 10-4 **A4**

SECTION A-A (1:1)



3D VIEW



Pipe $\frac{3}{4}$ " x $\pm 2.3_{++} * \pm 22.2_{-}$ Galvanized * Inside diametre 0,5-0,8 mm more than outside diametre 09

of handle.

3	2	Pipe ¾" x 2,35 mm Length 60 mm	S 235 JRH	Part 3	0,085 kg
ITEM	QTY	DESCRIPTION	MATERIAL	PART NUMBER	MASS
			PARTS LIST		

Part

Title/Name: Roughness: Dimensional tolerance: ROPE PUMP Model 2 ISO 2768-1-f / -2-H 1:1 AvdHeuvelSR Creation Date: 2-7-2014 Drawing by: Projection: Scale: Unit : mm Approved by: H. Holtslag Approved Date: 7-7-2014



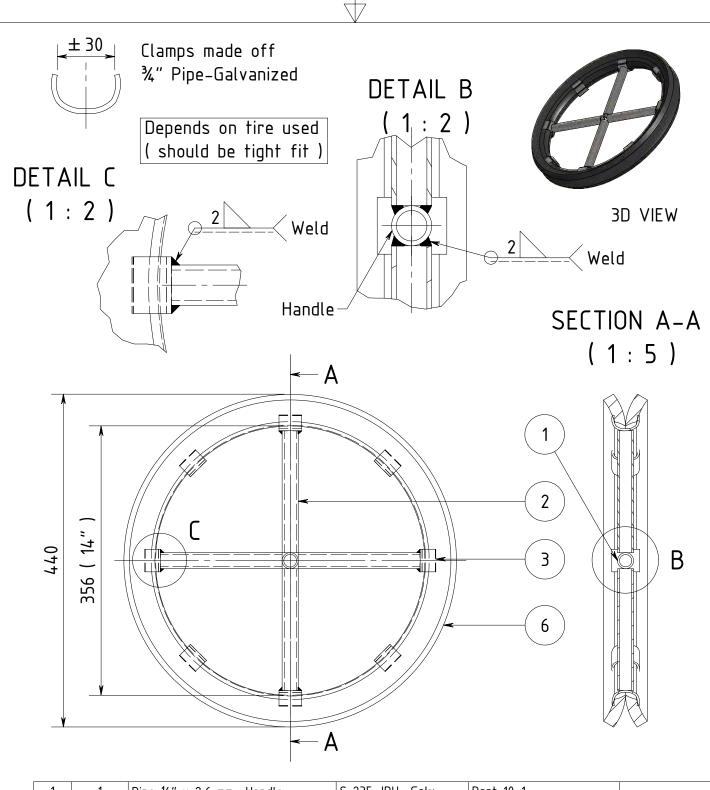
Parts: Bushing Part number:

Sheet size

10 - 3

A4





1	1	Pipe ½" x 2,6 mm Handle	S 235 JRH Galv.	Part 10-1	
3	8	Pipe ¾" x 2,3 mm Length 30 mm	S 235 JRH Galv.	Part 3	0,037 kg
2	4	Pipe ½" x 2 mm Length 161mm	S 235 JRH Galv.	Part 2	0,193 kg
6	1	Wheel rim 14"	Car tire 14"	Part 6	1,320 kg
ITEM	QTY	DESCRIPTION	MATERIAL	PART NUMBER	MASS
			PARTS LIST		

Title/Name: Roughness: Dimensional tolerance: ROPE PUMP Model 2 ISO 2768-1-f / -2-H Drawing by: AvdHeuvelSR Creation Date: 2-7-2014 1:2 1:5 Projection: Scale: Unit : mm Approved by: H. Holtslag Approved Date: 7-7-2014



Parts: Wheel - Assembly Part number:

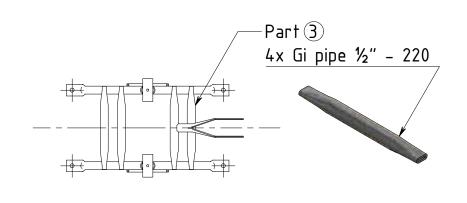
Sheet size:

20 -2-3-6

Α4

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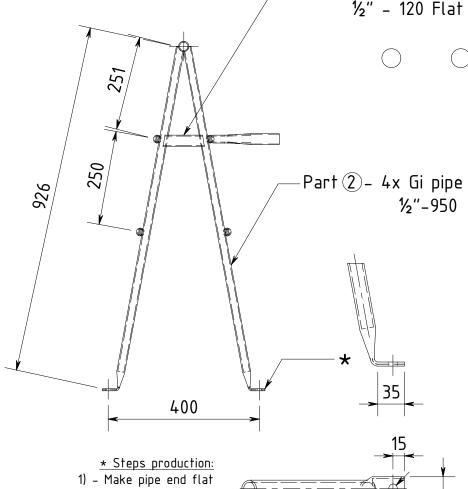
4

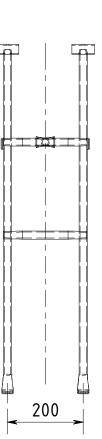


3D VIEW



Part (5) – 2x Gi pipe 1/2" – 120 Flat





2) - Drill hole Ø11

3) - Bend pipe

Ø11 @

Roughness:		olerance: / -2-H	Title/Name: F	ROPE F	PUMP	Mode	el 2			
Projection:	 Scale:	1:5 1:10	Drawing by:	AvdHeuvelS	SR		Creation	Date:	2-7-2014	
	Unit · п	חוו	Annroved hv-	H Holtslan			Annroved	Nate:	7_7_2014	



Parts:

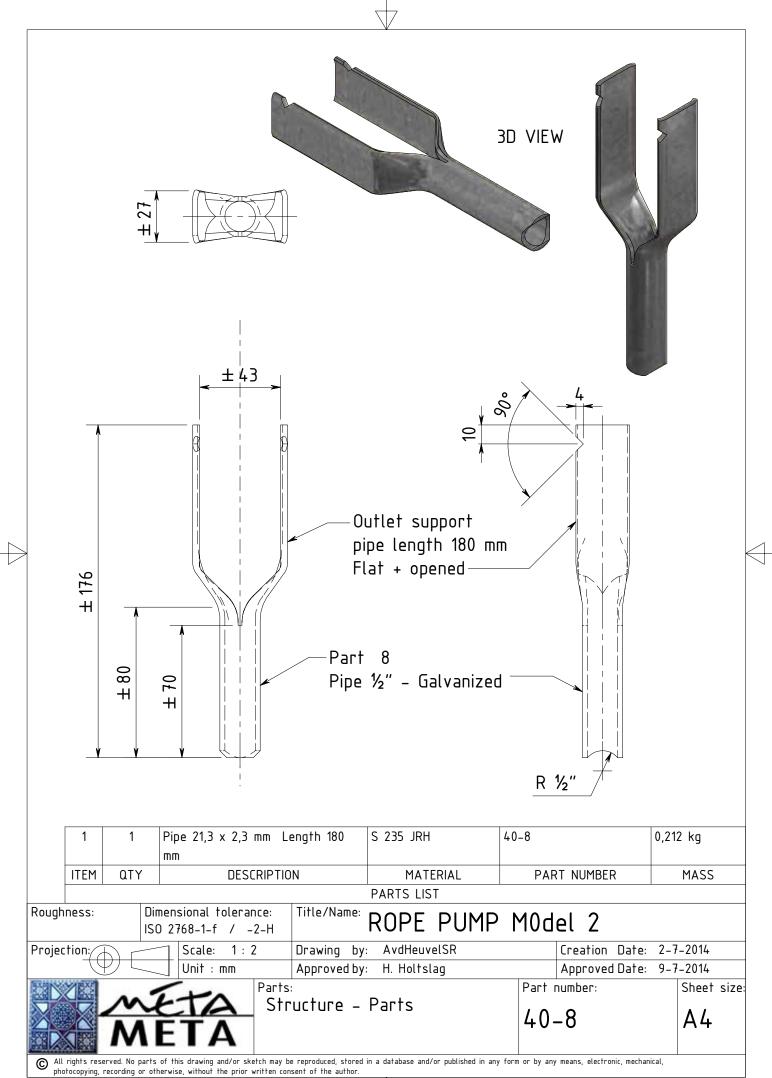
Structure - Assembly

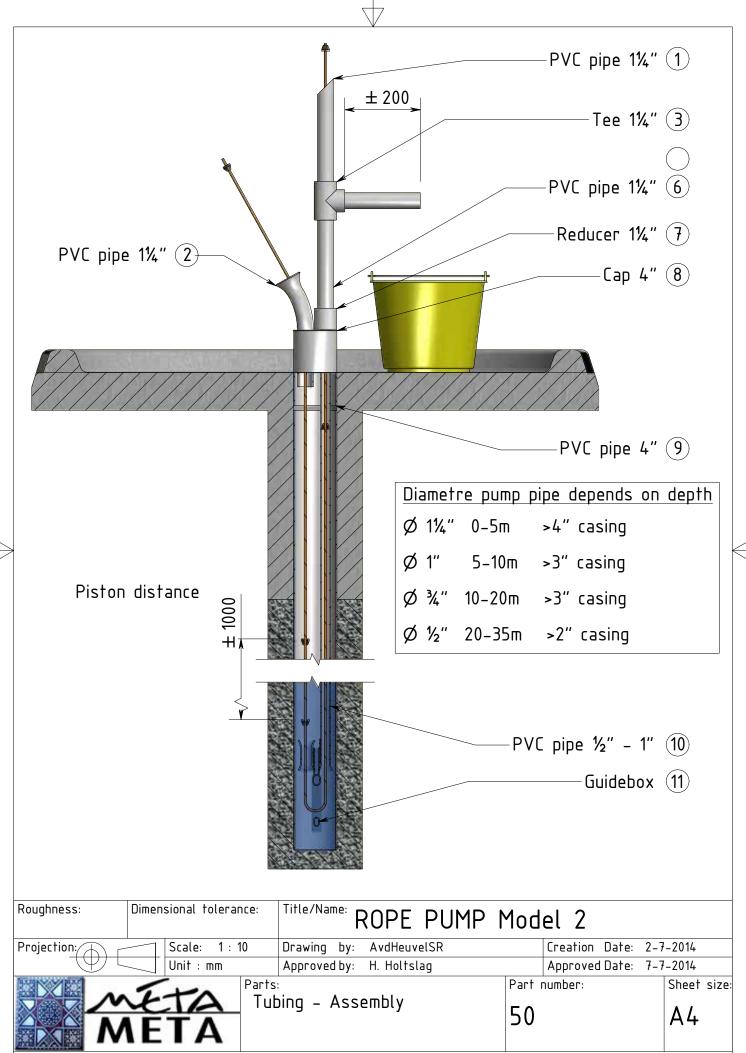
Part number:

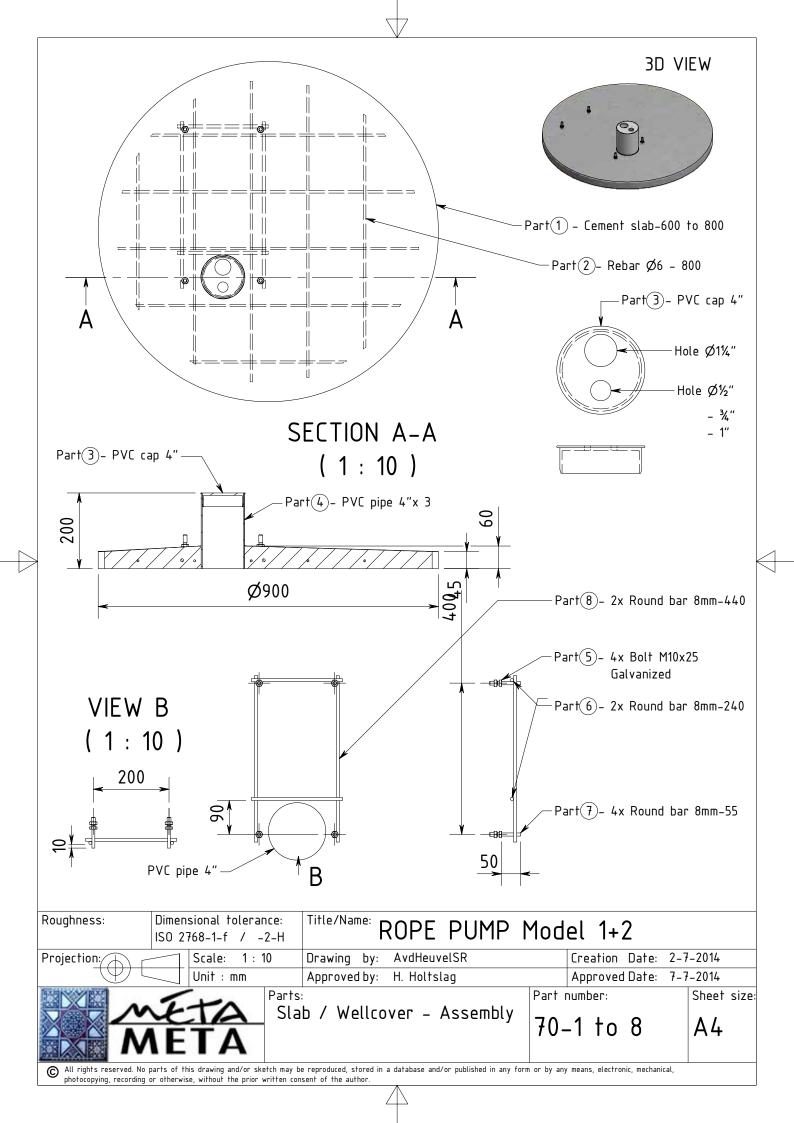
Sheet size:

40

A4

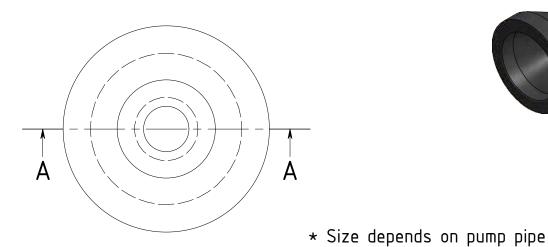






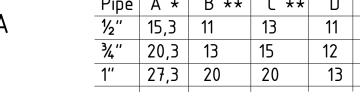
3D VIEW





SECTION A-A (2:1)

Pipe	A *	B **	[**	D	
1/2"	15,3	11	13	11	
34"	20,3	13	15	12	
1"	27.3	20	20	13	



diametre inside.

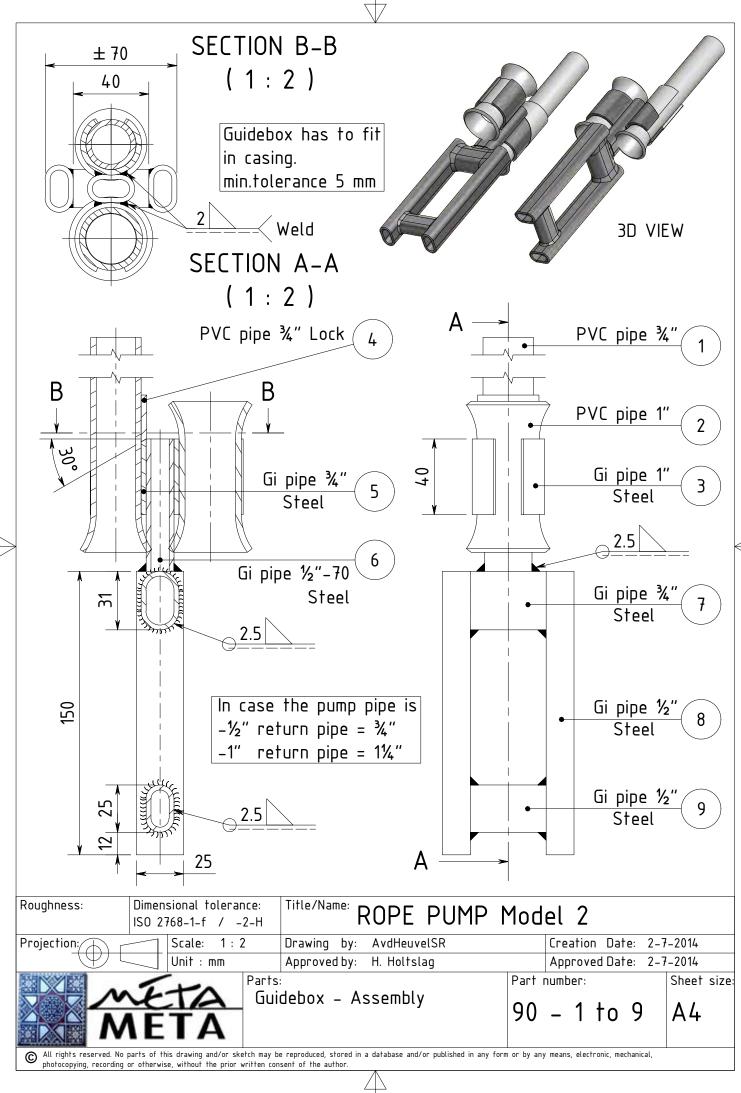
Ø6 B * A *

* Tolerance ± 0.2 ** Tolerance ± 0.5

Based on pipes $\frac{1}{2}$ " OD = 20 ID = 16 ¾" OD = 25 ID = 21 OD = 32 ID = 28

OD Outside diametre Inside diametre ID

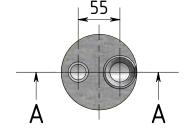
Roughness:	Dimon	sional toler	20.01	Title /Name:				
Rougilless.		768–1–f /	-2-H	Title/Name: ROPE PUMP				
Projection:	$\overline{}$	Scale: 2	1	Drawing by: AvdHeuvelSR		Creation Date:	23-	6-2014
		Unit : mm		Approved by: H. Holtslag		Approved Date:	7-7	-2014
	-	<u>م</u> سد	Parts		Part	number:		Sheet size:
N	۲É		_ Pis	ton	80			A 4



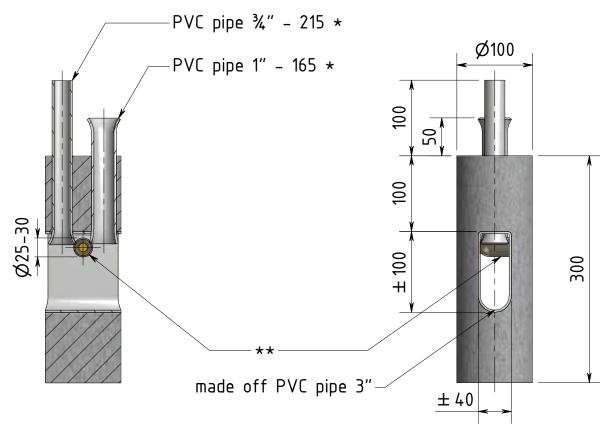
- * This guidebox is for ¾"
 For pump pipes of 1"and ½"
 pump pipe + return pipe
 are different ½" ¾"
 1" 1¼"
- ** Use small glass bottle or Galv. pipe ¾"



3D VIEW



SECTION A-A (1:5)



Roughness:	ghness: Dimensional tolerance:			Title/Name: ROPE PUMP	Mod	el 2		
Projection:		Scale: 1:5	5	Drawing by: AvdHeuvelSR		Creation Date:	25-	6-2014
		Unit : mm		Approved by: H. Holtslag		Approved Date:	7-7	-2014
	-		Parts		Part	number:		Sheet size:
N	۱É	TA	Gui	debox Cement ¾"	90			A4



