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.

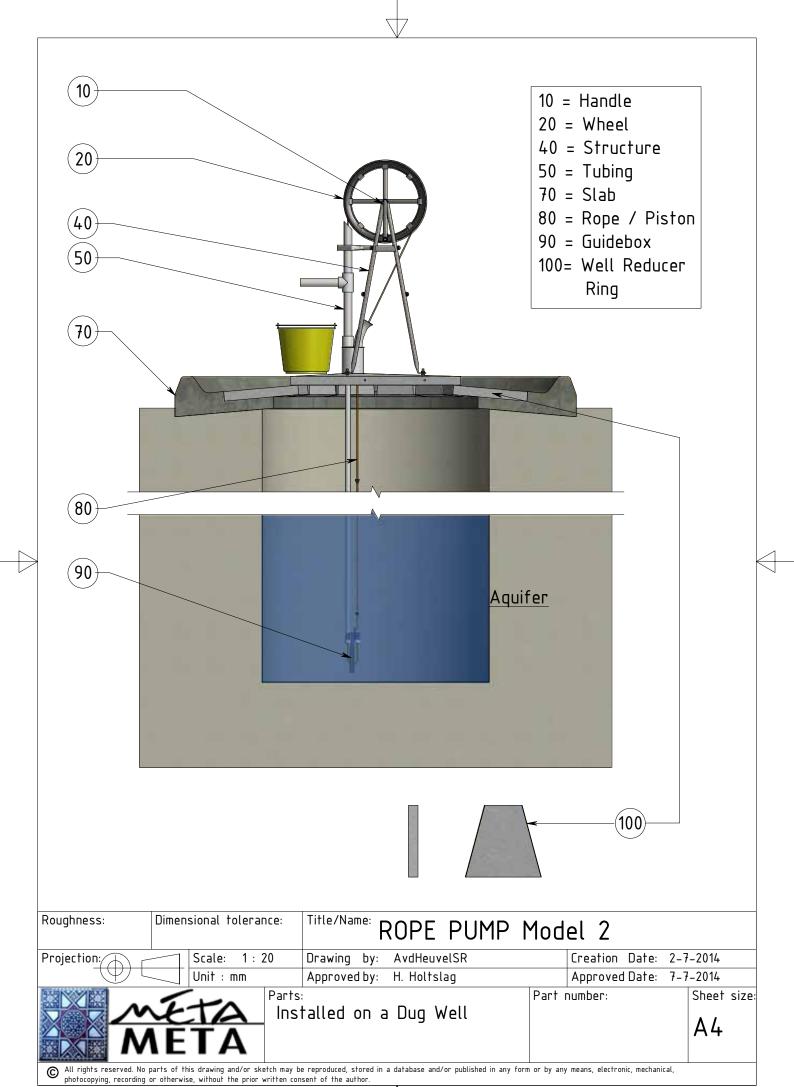
Rope pump Model 2 with Options of a Wheel cover

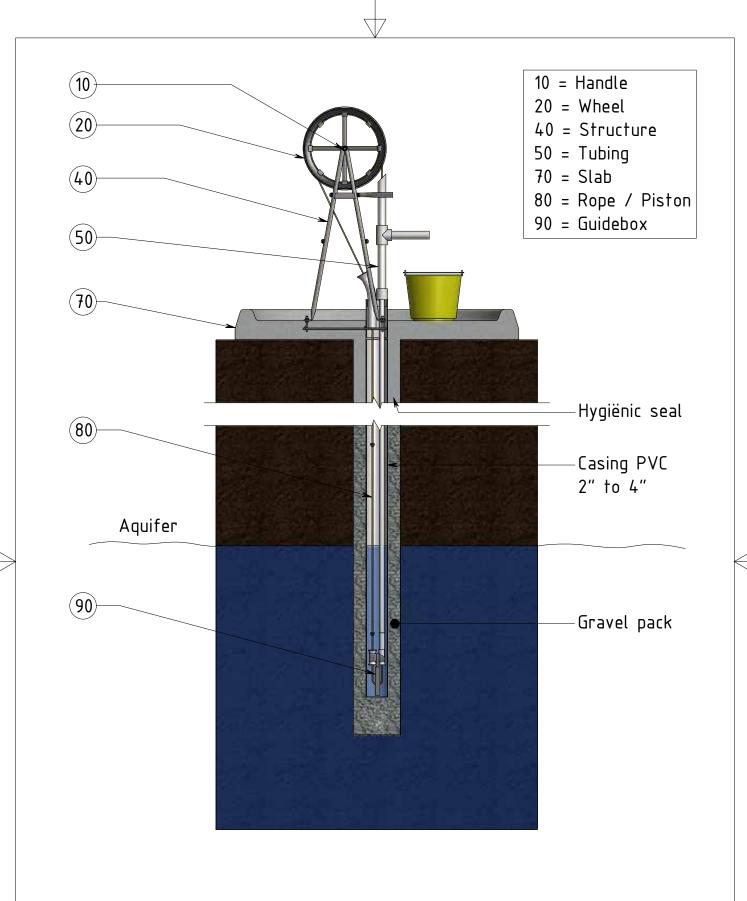


Separate Wheel cover



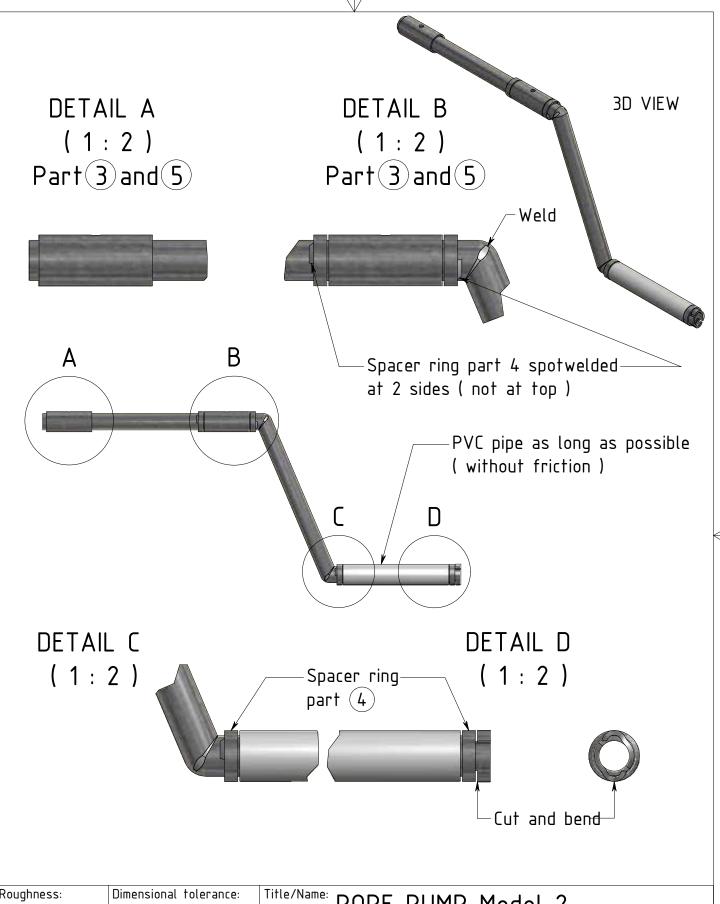
Mounting of wheel cover



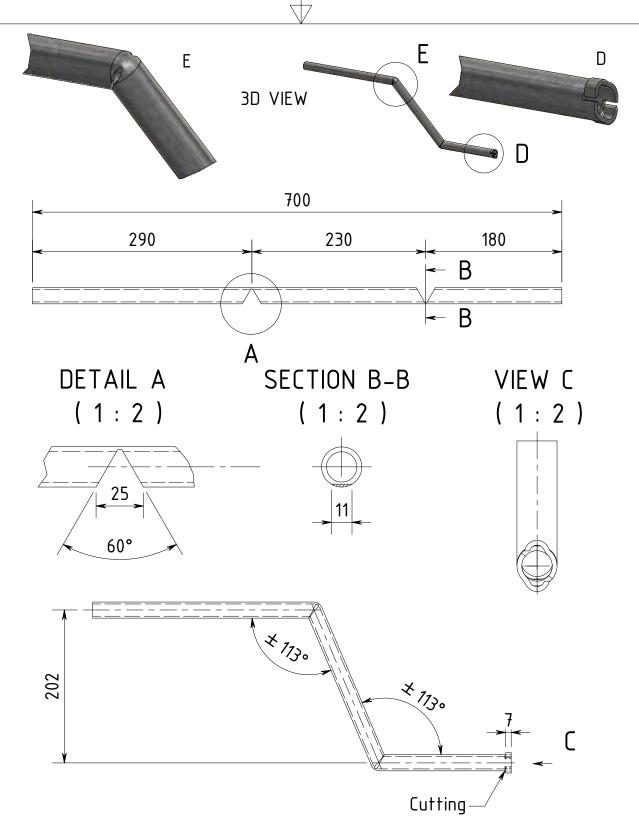


Roughness:	Dimen	nsional toleran	nce:	Title/Name: ROPE PUMP	Model 2				
Projection:		Scale: 1:2	20	Drawing by: AvdHeuvelSR		Creation Date:	2-7-2014		
		Unit : mm		Approved by: H. Holtslag		Approved Date:	7-7-2014		
	Æ	1	Parts Ins	: talled on a Borehole	Part	number:	Sheet A4	t size: •	
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Rouginiess:		31011at 10 768–1–f			Filter Name:	ROPE	PUMP	Mod	el 2				
Projection:		Scale:	1:2	1:5	Drawing by:	AvdHeuv	relSR		Creation	Date:	2-7	-2014	
		Unit : m	ım		Approved by:	H. Holts	lag		Approved	d Date:	7-7	-2014	
	٤	T/	<u>\</u>	Parts Har	: ndle – Ass	embly		Part 10	number:			Sheet A4	size:
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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		

Roughness: Title/Name: 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

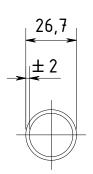
A4

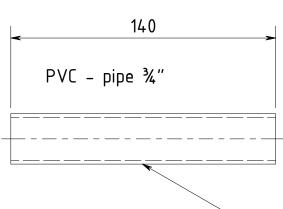
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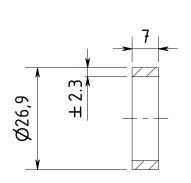
3D VIEW

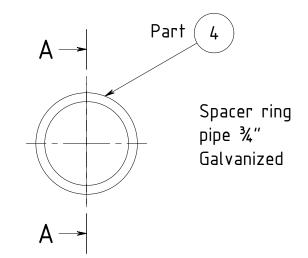






SECTION A-A (1:1)





Part

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



Parts:
Handle PVC pipe

Handle, PVC pipe and Spacer ring

Part number:

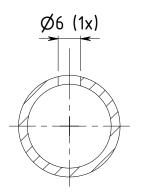
Sheet size

10-2 10-4

A4

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SECTION A-A (1:1)



3D VIEW



Pipe ¾" x ±2,3 * ±22,2
Galvanized * Inside diametre 0,5-0,8 mm more than outside diametre of handle.

A

Part 3

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		

Roughness: Title/Name: 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



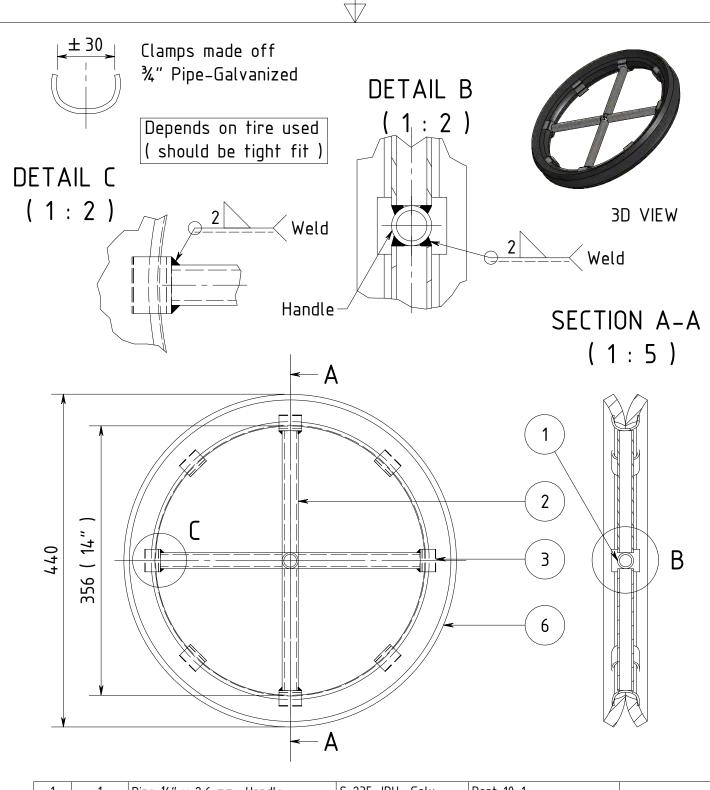
Parts: Bushing Part number:

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

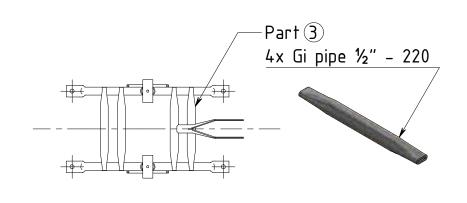


Parts: Wheel - Assembly Part number:

Sheet size:

20 -2-3-6

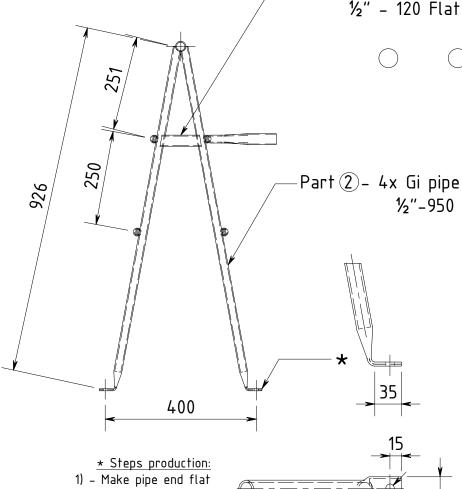
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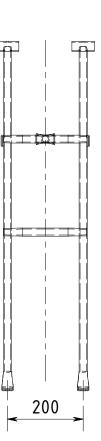


3D VIEW



Part (5) – 2x Gi pipe ½" - 120 Flat





2) -Drill hole Ø11

3) -Bend pipe

Ø11

Roughness:	sional to 768-1-f	olerar / -	nce: 2–H	Title/Nan	ne: F	ROPE	PUMP	Mod	el 2		
Projection:	 Scale:	1:5	1:10	Drawing	bv:	AvdHeuv	elSR		Creation	Date:	2-7-2014

Unit : mm Parts:

Approved by: H. Holtslag

7-7-2014 Approved Date:

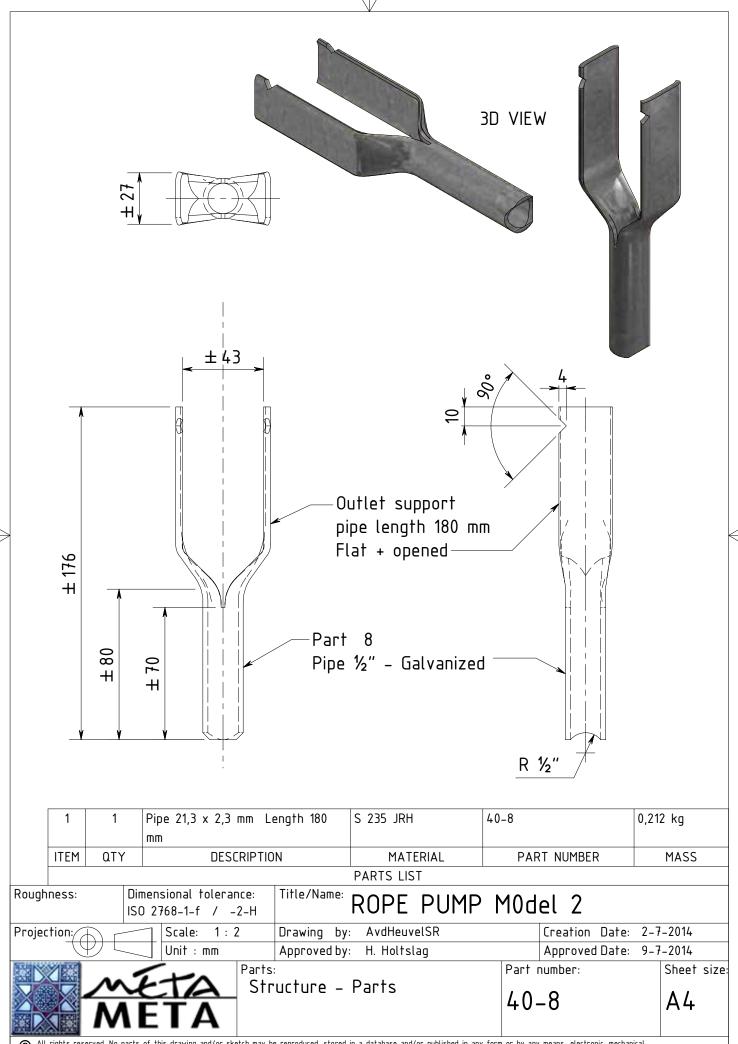
Structure - Assembly

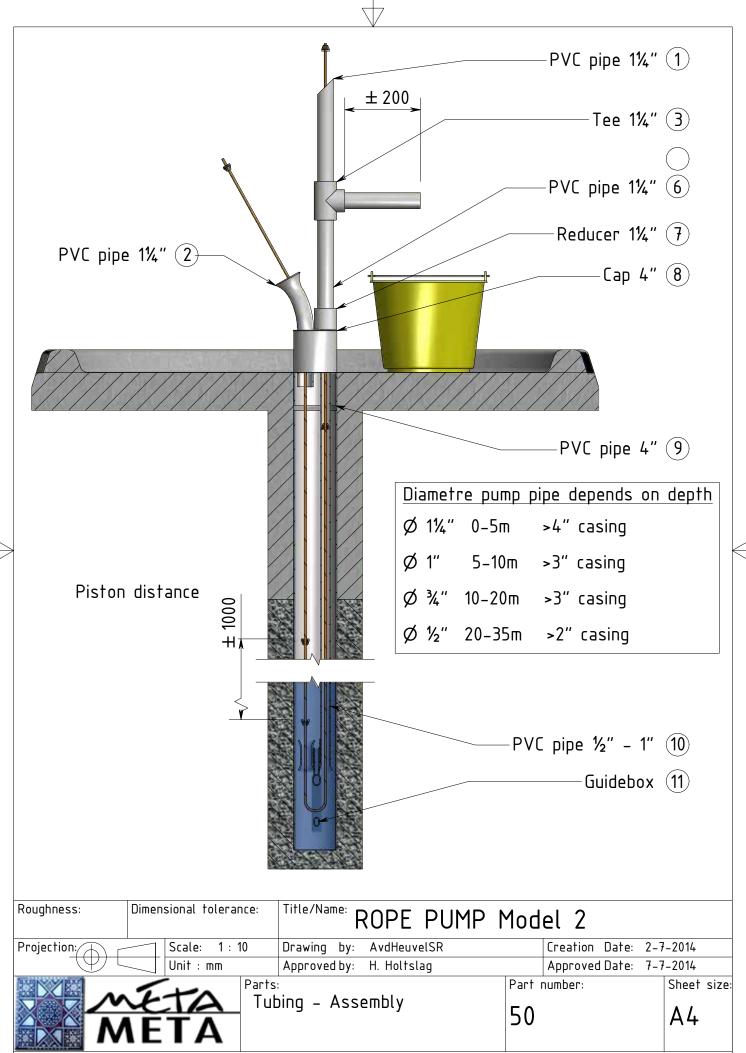
Part number:

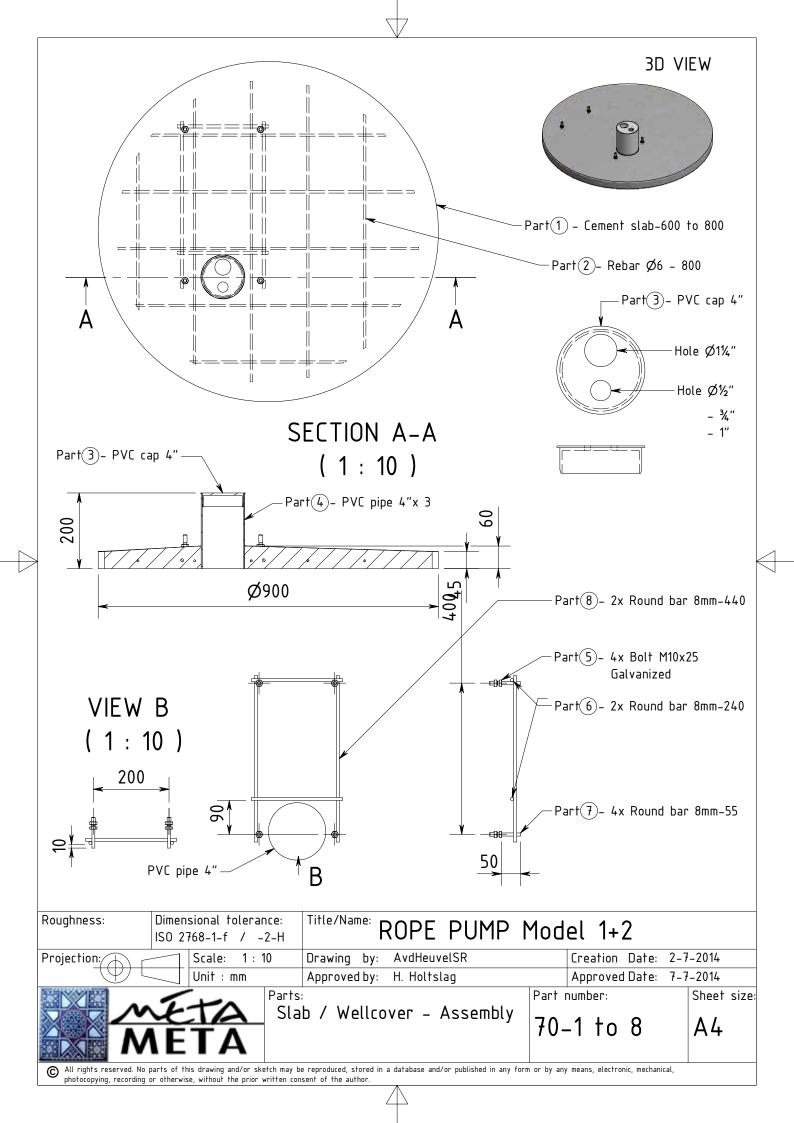
Sheet size:

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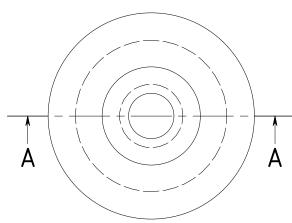






3D VIEW





* Size depends on pump pipe diametre inside.

Pipe	A *	B **	(**	D
1/2"	15,3	11	13	11
3/4"	20,3	13	15	12
1"	27,3	20	20	13

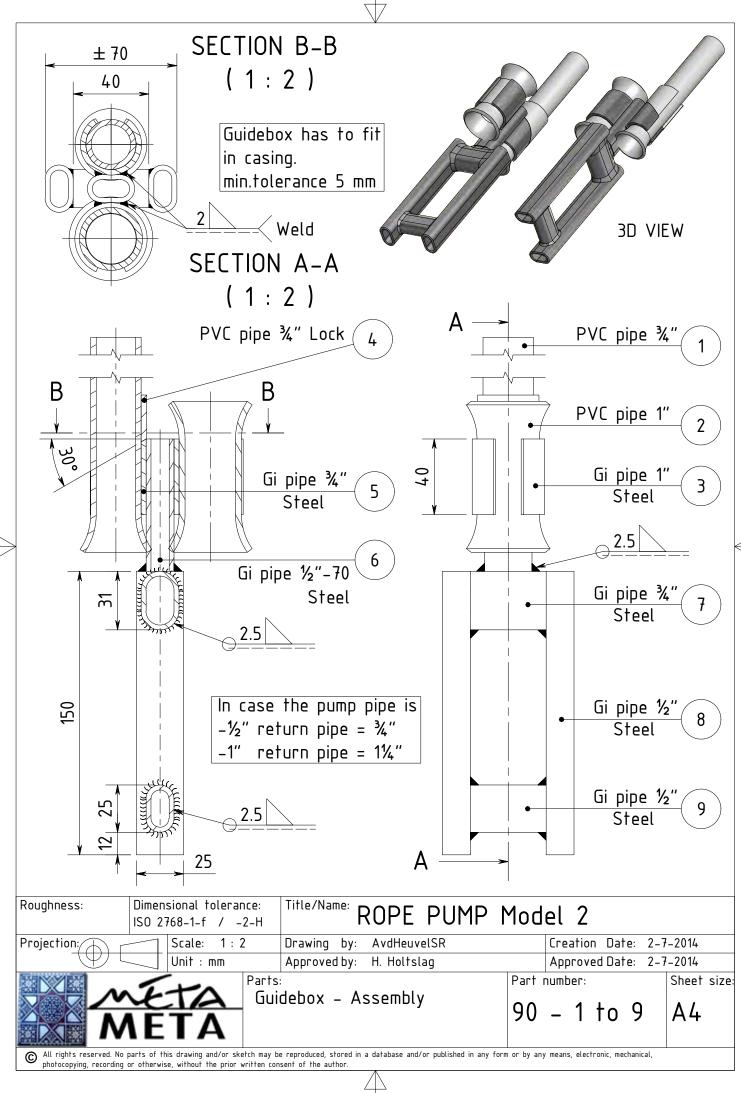
SECTION A-A (2 : 1)

* Tolerance ± 0.2 ** Tolerance ± 0.5

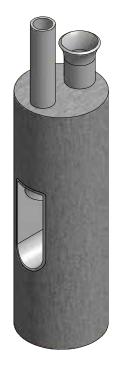
Based on pipes $\frac{1}{2}$ " OD = 20 ID = 16 $\frac{3}{4}$ " OD = 25 ID = 21 1" OD = 32 ID = 28

OD Outside diametre ID Inside diametre

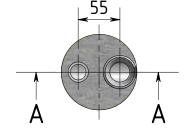
Roughness:		sional tolerance: 768-1-f / -2-H	Title/Name: ROPE PUM	1P		
Projection:		Scale: 2:1	Drawing by: AvdHeuvelSR		Creation Date: 23-6-2014	
Unit : mm		Approved by: H. Holtslag		Approved Date: 7-7-2014		
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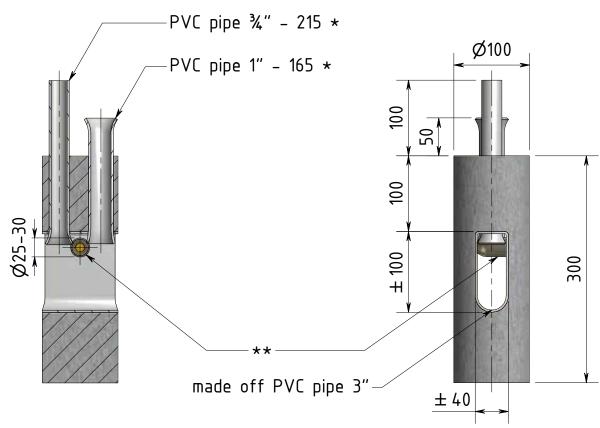
- * This guidebox is for ¾"
 For pump pipes of 1"and ½"
 pump pipe + return pipe
 are different ½" ¾"
 1" 1¼"
- ** Use small glass bottle or Galv. pipe ¾"



3D VIEW



SECTION A-A (1:5)



Roughness:	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:
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