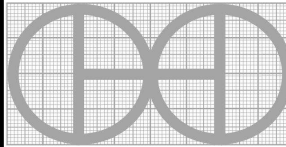
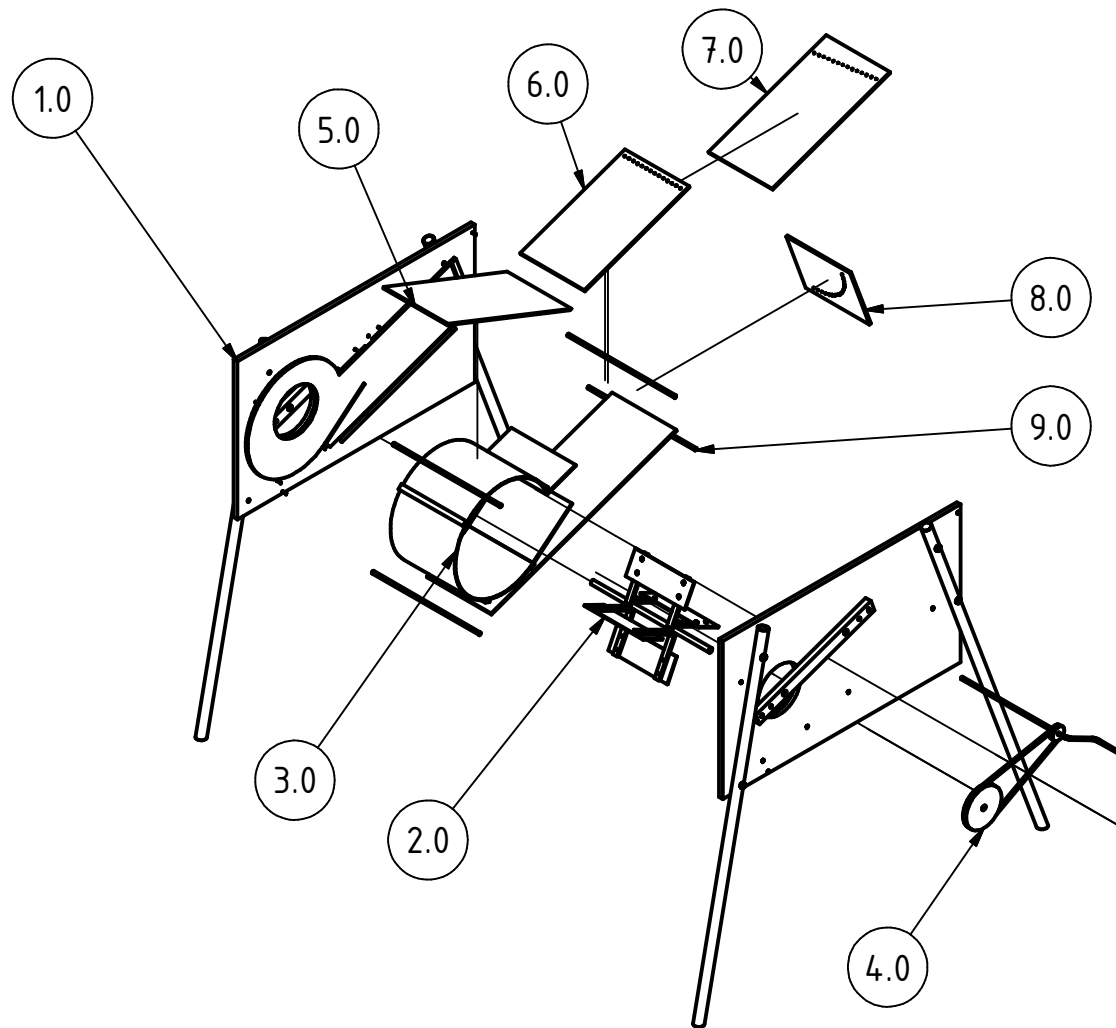


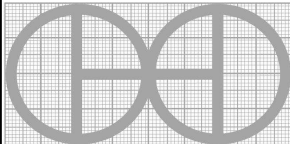
Note: all units in mm

PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Winnower made of wooden parts	D. RODRIGUEZ	A. MORILLO	19/10/2021	1.0
PART NAME	FILE NAME	POS		
3D views	Winnower made of wooden parts.iam	A1		
DEVELOPED BY	REDESIGNED BY	DOC. TYPE	MATERIAL	QUANTITY
University Eindhoven		Assembly		1
		LICENCE	SCALE	SHEET
		CC-BY-SA 4.0	1:20	1 / 22

OHO e.V.

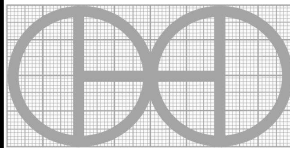


Note: all units in mm

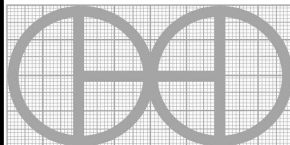
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Winnower made of wooden parts	D. RODRIGUEZ	A. MORILLO	19/10/2021	1.0
PART NAME	FILE NAME			POS
Exploded 3D view	Winnower made of wooden parts.ipn			A2
DEVELOPED BY	REDESIGNED BY	DOC. TYPE	MATERIAL	QUANTITY
University Eindhoven		Assembly		1
		LICENCE	SCALE	SHEET
		CC-BY-SA 4.0	1:25	2 / 22

OHO e.V.

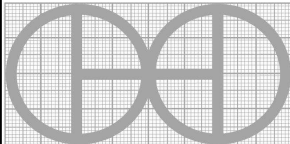
PARTS LIST						
POS	QTY	PART NAME	FILE NAME	PART TYPE	SPECIFICATIONS	SHEET
A1	1	3D views	Winnower made of wooden parts.iam			1
A2	1	Exploded 3D view	Winnower made of wooden parts.ipn			2
B1		Parts list				3
B2		Parts list				4
C1		Technical notes				5
.0	2	Side assembly	Side assembly.ipn			6
.1	2	Side wall	Side assembly.ipn	Production	Thickness 18mm, plywood	7
.2	2	Profile sheet	Profile sheet.ipt	Production	Thickness 10mm, plywood	8
.3		Sliding lath		Production	Hardwood, 10*20mm	
.4		Suppot strip		Production	Hardwood, 6*20mm	
.5	2	Legs1	Legs1.ipt	Production	DIN 10305-3, thickness 2mm, steel A36	9
.6	2	Legs2	Legs2.ipt	Production	DIN 10305-3, thickness 2mm, steel A36	10
.7	2	Bearing beam	Bearing beam.ipt	Production	25*50mm, hardwood	11
.8		Nut 1		Standard	DIN 439 - M10	
.9		Washer 1		Standard	DIN 125 - a 10.5	
.1		Wood screw 1_1		Standard	DIN 97 3.5*35mm	
.11		Wood screw 1_2		Standard	DIN 97 4*50mm	
.0	1	Fan assembly	Fan assembly.ipn			12
.1	1	Fan shaft.ipt	Fan shaft.ipt	Production	Thickness 2mm, steel A36	13
.2	8	Fan arm	Fan arm.ipt	Production	20*10mm, hardwood	14
.3	4	Fan blade	Fan blade.ipt	Production	Thickness 4mm, hardboard	15
.4		Wood screw 2		Standard	DIN 97 3.5*12mm	
.5		Hex bolt		Standard	ISO 4014 - m5 X 45	
.6		Nut 2		Standard	DIN 439 - m5	
.0	1	Housing assembly	Housing assembly.ipn			16
.1	1	Fan housing	Fan housing.ipt	Production	Thickness 4mm, bended, hardboard	17
.2		Fan housing2		Production	Thickness 6mm, plywood	
.3		Funnel roof		Production	Thickness 6mm, plywood	
.4		Funnel bottom		Production	Thickness 6mm, plywood	
.5		Suppor lath		Production	20*10mm, HARDWOOD	
.0	1	Drive assembly	Drive assembly.ipn			18

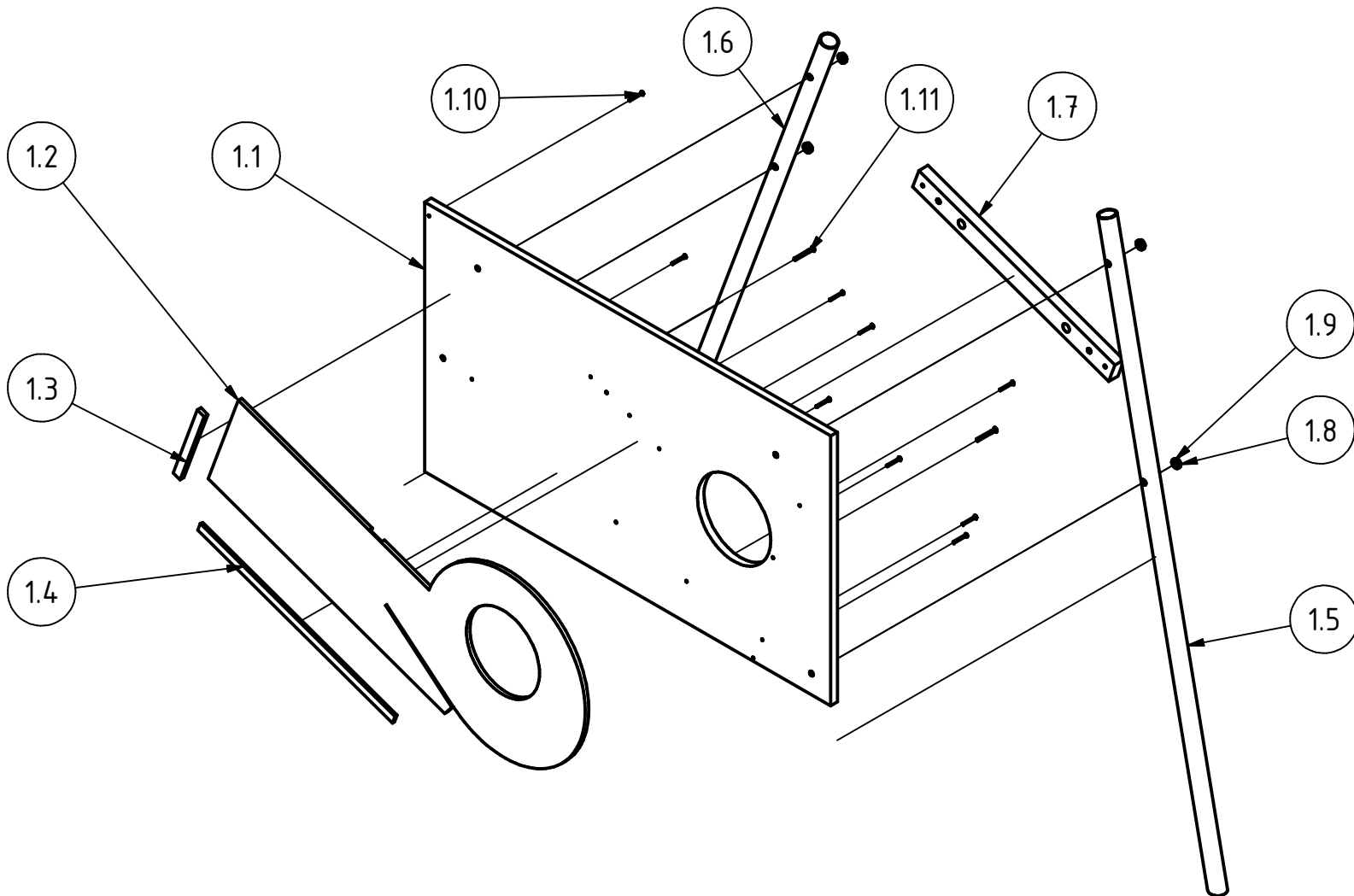
PROJECT		CREATED BY		APPROVED BY		DATE	VERSION
Winnower made of wooden parts		D. RODRIGUEZ		A. MORILLO		19/10/2021	1.0
PART NAME		FILE NAME					POS
Parts list							B1
DEVELOPED BY		REDESIGNED BY		DOC. TYPE	MATERIAL		QUANTITY
University Eindhoven				OHO e.V.	Parts list		
				LICENCE		SCALE	SHEET
				CC-BY-SA 4.0			3 / 22

PARTS LIST						
POS	QTY	PART NAME	FILE NAME	PART TYPE	SPECIFICATIONS	SHEET
1.1		Grooved Pulley2		Buy	SPZ 160, aluminium	
1.2		Grooved Pulley1		Buy	SPZ 50, aluminium	
1.3		V-Belt		Buy	Optibelt 10*6mm, 894mm	
1.4	1	Swingle bar	Swingle bar.ipt	Production	Diameter 10mm, steel a36	1
1.0	1	Tray1	Tray2.ipt	Production	620*300mm, thickness 6mm, plywood	
1.0	1	Tray2	Tray2.ipt	Production	Thickness 6mm, plywood	2
1.0	1	Funnel roof movable	Funnel roof movable.ipt	Production	Thickness 6mm, plywood	2
1.0	1	Sliding lid	Sliding lid.ipt	Production	Thickness 6mm, plywood	2
1.0	4	Trreaded rod	Threaded rod.ipt	Production	Diameter 10mm, Lenght 400mm, Steel A36	

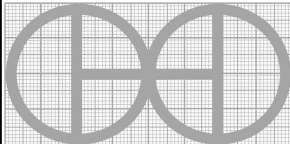
PROJECT		CREATED BY		APPROVED BY		DATE	VERSION
Winnower made of wooden parts		D. RODRIGUEZ		A. MORILLO		19/10/2021	1.0
PART NAME		FILE NAME					POS
Parts list							B2
DEVELOPED BY		REDESIGNED BY		DOC. TYPE	MATERIAL		QUANTITY
University Eindhoven				OHO e.V.	Parts list		
				LICENCE		SCALE	SHEET
				CC-BY-SA 4.0			4 / 22

TECHNICAL NOTES	
NOTES	CONTENT
GENERAL NOTES	
metal structure treatment	<p>Iron structures should be painted to prevent rust and improve equipment life.</p> <ul style="list-style-type: none"> <li>- Remove loose rust with a wire brush, sandpaper or chemical rust remover.</li> <li>- If applicable, sand areas where paint is chipping until surface is smooth.</li> <li>- Remove dust or oil with a degreaser or denatured alcohol.</li> <li>- Prime surface to protect against rust and corrosion</li> </ul>
wood treatment	<ul style="list-style-type: none"> <li>- The wood must be treated with pesticides and kiln-dried to ensure adequate humidity.</li> <li>- Wood sealer should be applied for later use.</li> </ul>
	...
	...

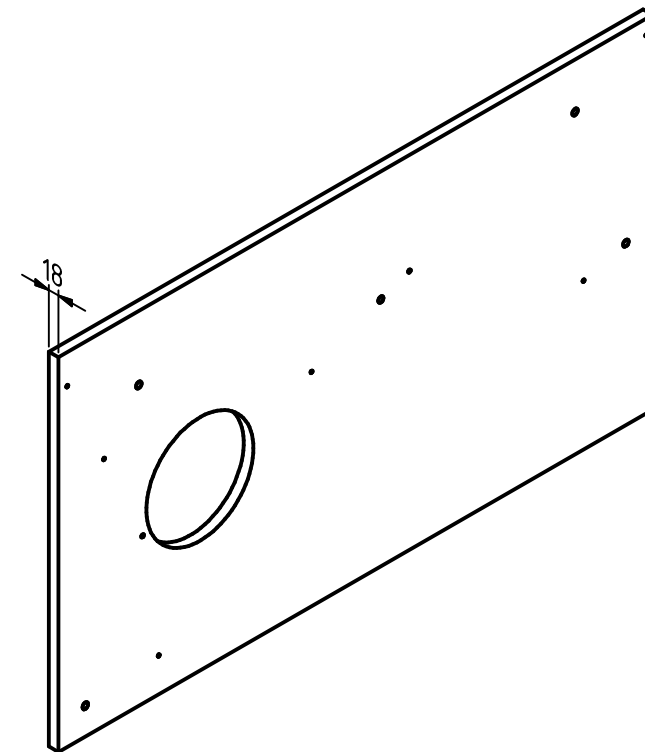
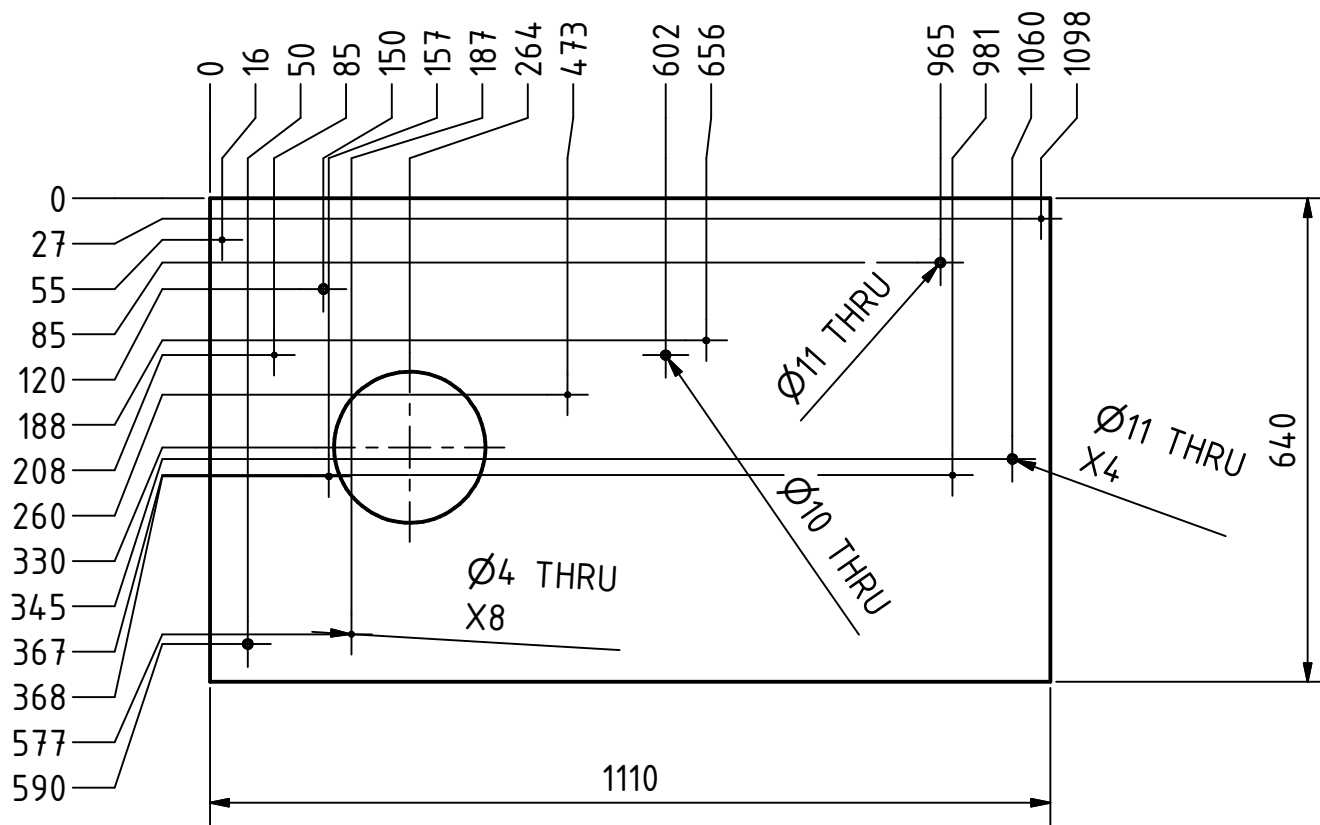
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Winnower made of wooden parts	D. RODRIGUEZ	A. MORILLO	19/10/2021	1.0
PART NAME	FILE NAME			POS
Technical notes				C1
DEVELOPED BY	REDESIGNED BY	DOC. TYPE	MATERIAL	QUANTITY
University Eindhoven		<div>OHO e.V.</div>		
		LICENCE	SCALE	SHEET
		CC-BY-SA 4.0		5 / 22



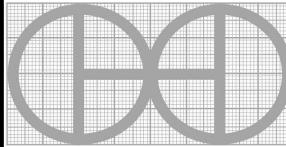
Note: all units in mm

PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Winnowing made of wooden parts	D. RODRIGUEZ	A. MORILLO	19/10/2021	1.0
PART NAME	FILE NAME	POS		
Side assembly	Side assembly.ipn	1.0		
DEVELOPED BY	REDESIGNED BY	DOC. TYPE	MATERIAL	QUANTITY
University Eindhoven		Assembly		2
		LICENCE	SCALE	SHEET
		CC-BY-SA 4.0	1:12.5	6 / 22

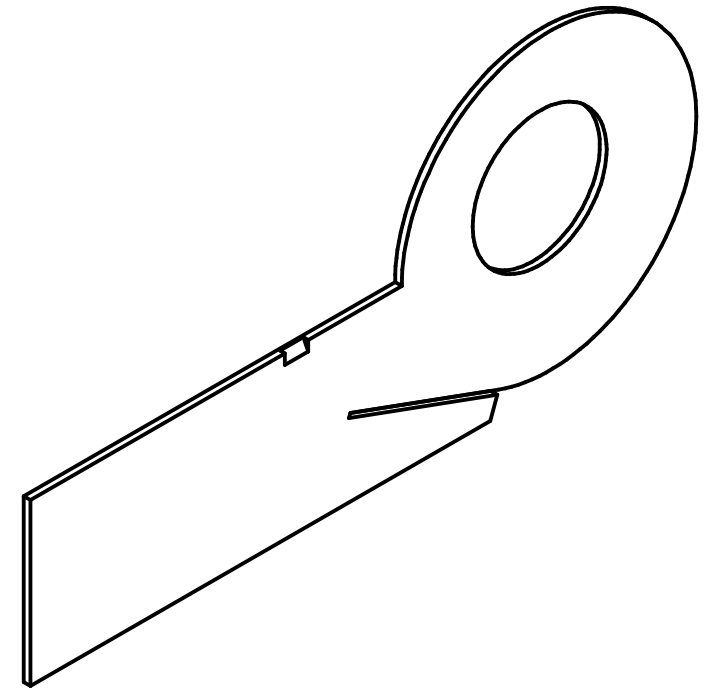
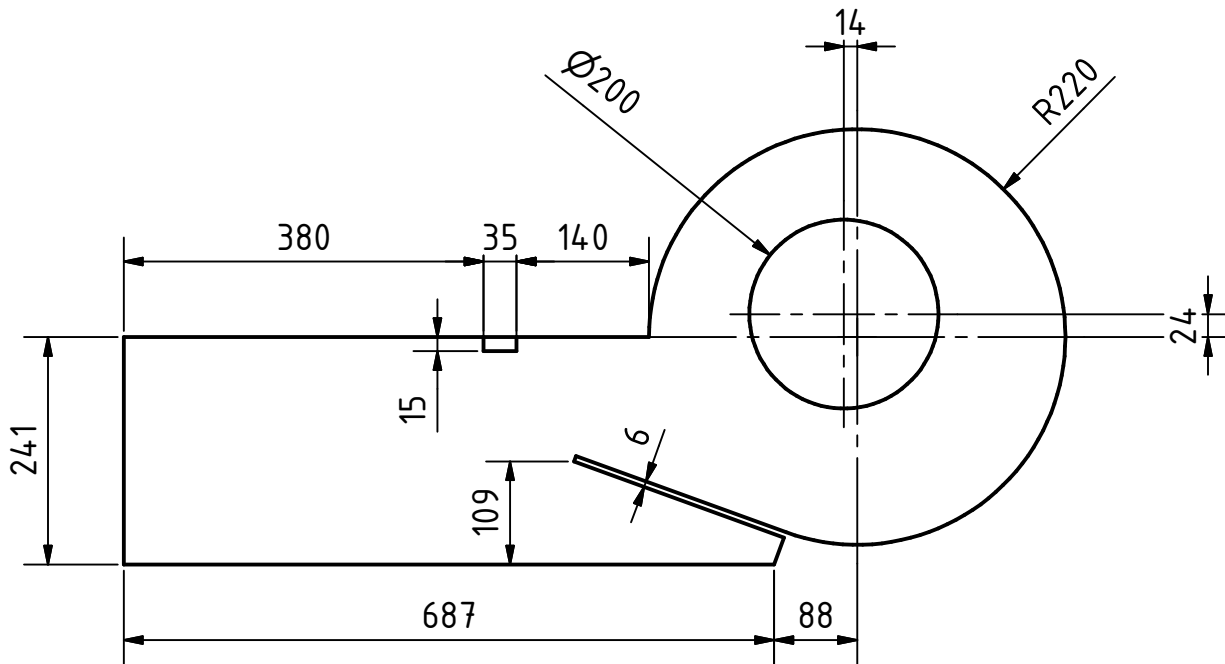
OHO e.V.



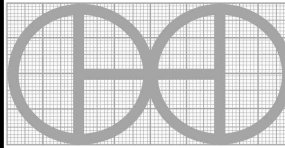
Note: all units in mm

PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Winnowing machine made of wooden parts	D. RODRIGUEZ	A. MORILLO	19/10/2021	1.0
PART NAME	FILE NAME	POS		
Side wall	Side assembly.ipn	1.1		
DEVELOPED BY	REDESIGNED BY	DOC. TYPE	MATERIAL	QUANTITY
University Eindhoven		Part	PLYWOOD	2
		LICENCE	SCALE	SHEET
		CC-BY-SA 4.0	1:10	7 / 22

OHO e.V.

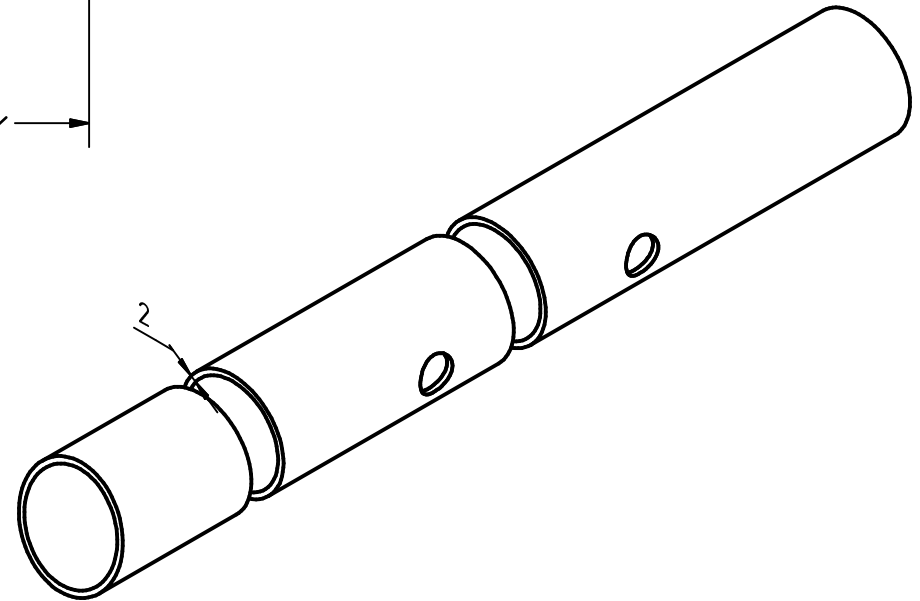
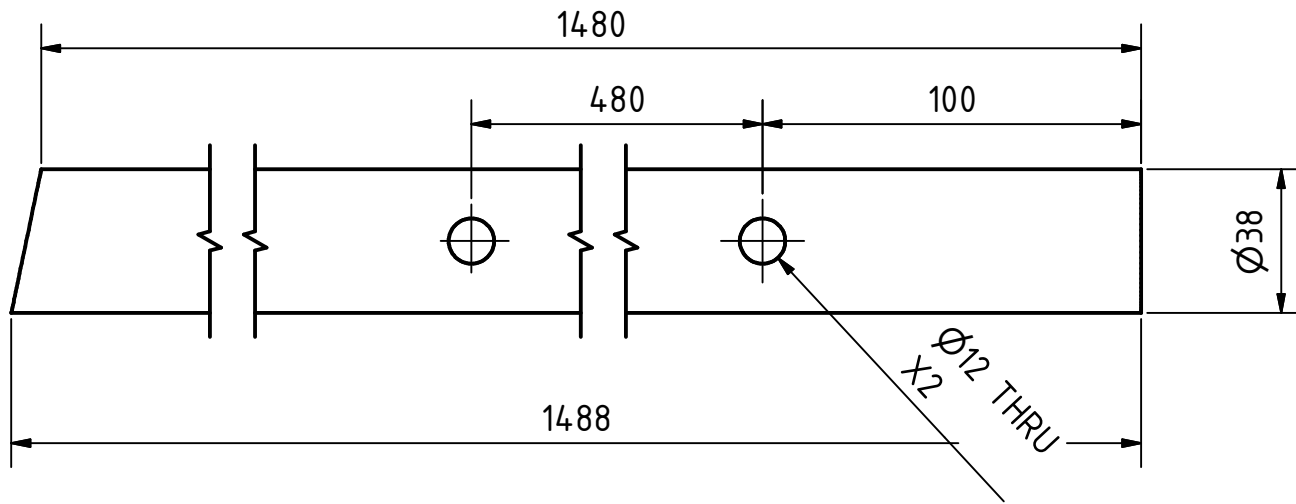


Note: all units in mm

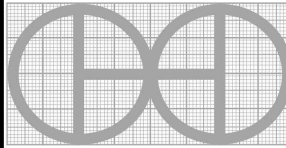
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Winnower made of wooden parts	D. RODRIGUEZ	A. MORILLO	19/10/2021	1.0
PART NAME	FILE NAME	POS		
Profile sheet	Profile sheet.ipt	1.2		
DEVELOPED BY	REDESIGNED BY	DOC. TYPE	MATERIAL	QUANTITY
University Eindhoven		Part	PLYWOOD	2
		LICENCE	SCALE	SHEET
		CC-BY-SA 4.0	1:8	8 / 22

OHO e.V.

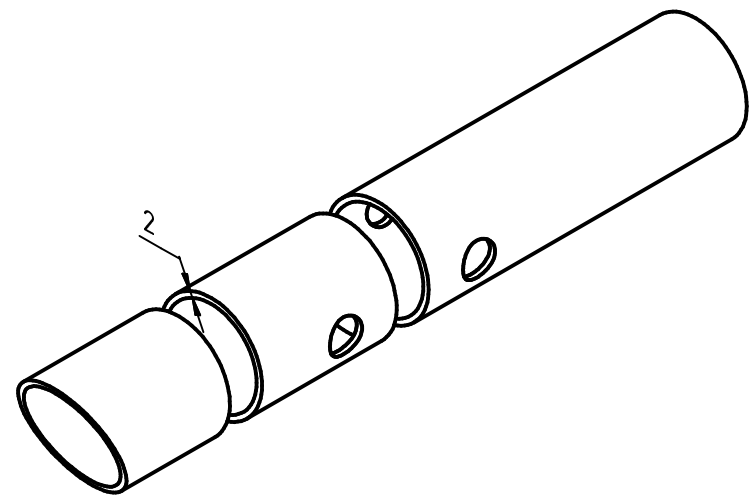
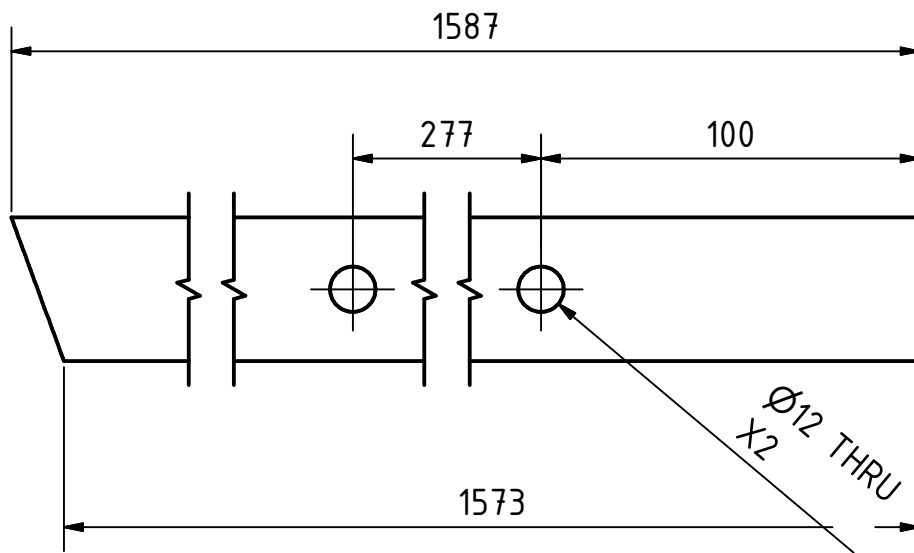




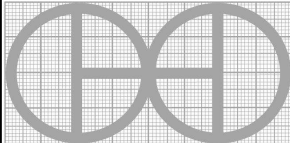
Note: all units in mm

PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Winnower made of wooden parts	D. RODRIGUEZ	A. MORILLO	19/10/2021	1.0
PART NAME	FILE NAME	POS		
Legs1	Legs1.ipt	1.5		
DEVELOPED BY	REDESIGNED BY	DOC. TYPE	MATERIAL	QUANTITY
University Eindhoven		Part	STEEL A36	2
		LICENCE	SCALE	SHEET
		CC-BY-SA 4.0	1:2	9 / 22

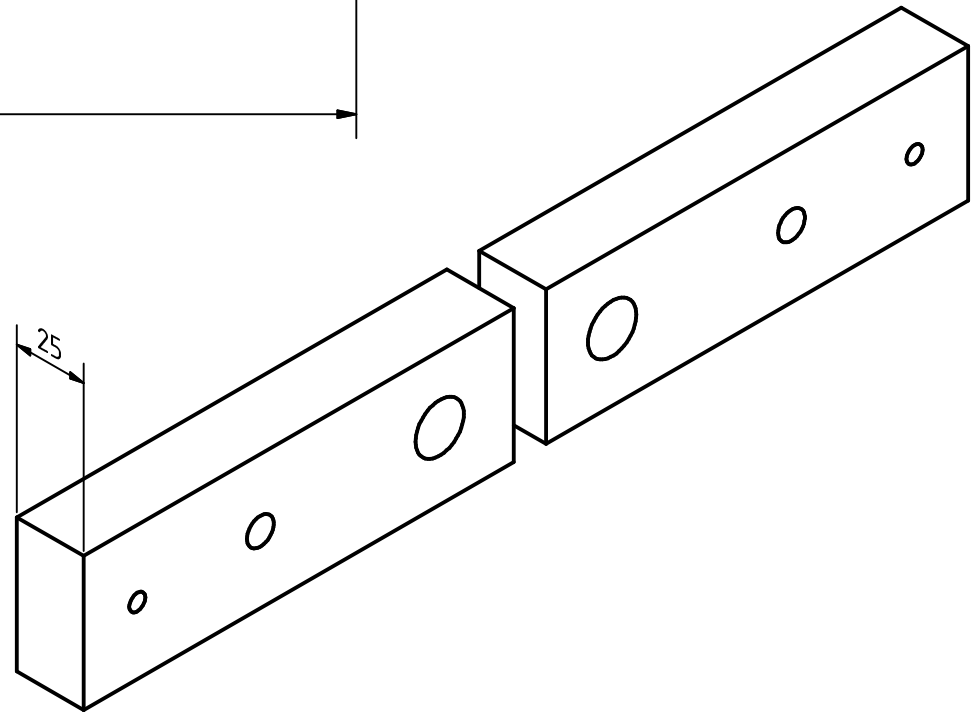
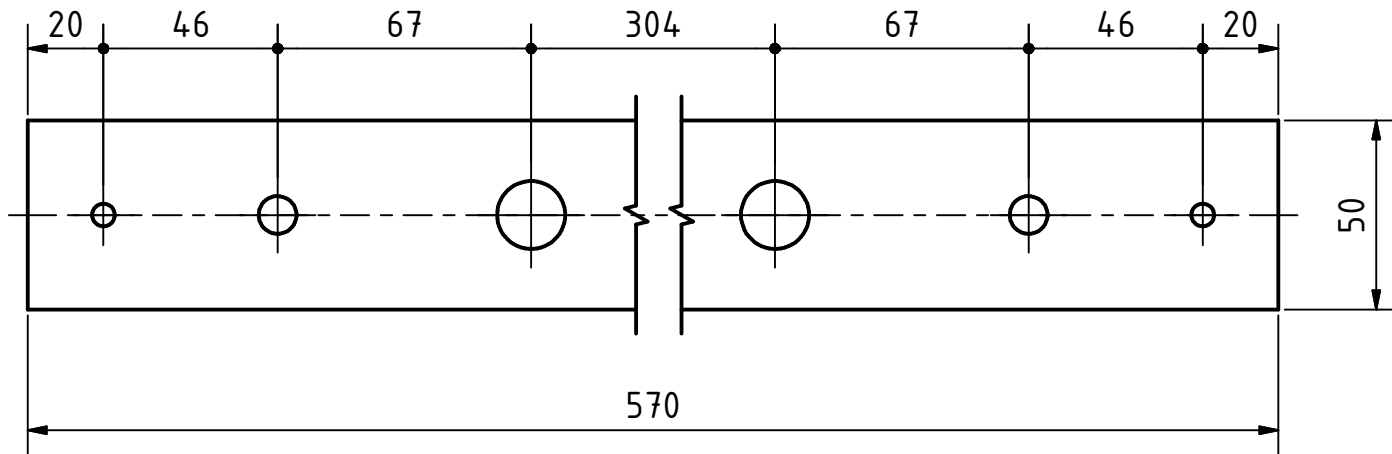
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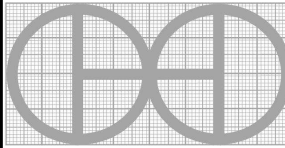
Note: all units in mm

PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Winnowers made of wooden parts	D. RODRIGUEZ	A. MORILLO	19/10/2021	1.0
PART NAME	FILE NAME	POS		
Legs2	Legs2.ipt	1.6		
DEVELOPED BY	REDESIGNED BY	DOC. TYPE	MATERIAL	QUANTITY
University Eindhoven		Part	STEEL A36	2
		LICENCE	SCALE	SHEET
		CC-BY-SA 4.0	1:2	10 / 22

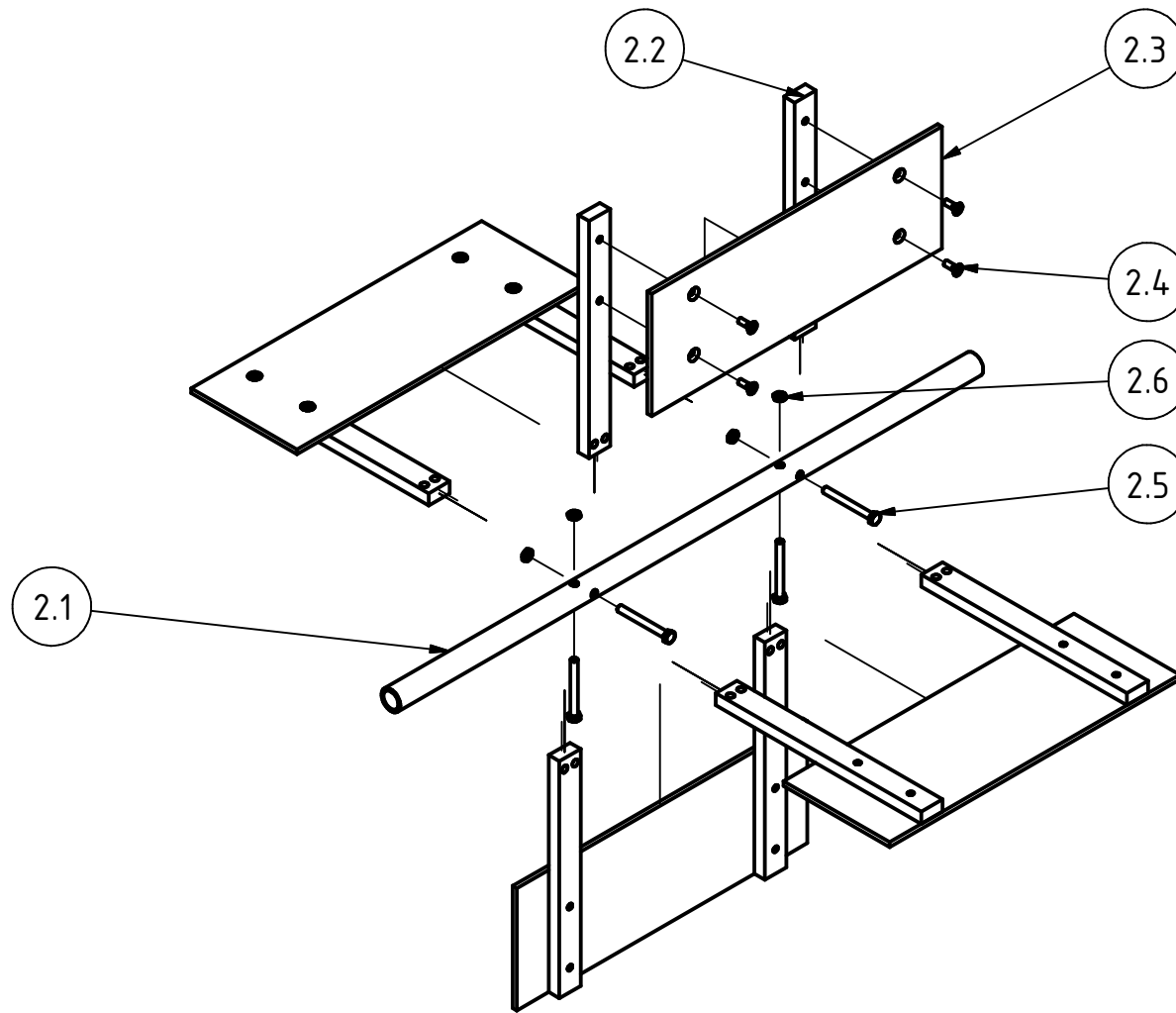
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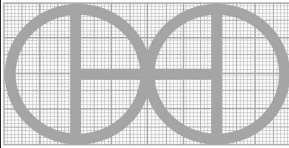
Note: all units in mm

PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Winnowing machine made of wooden parts	D. RODRIGUEZ	A. MORILLO	19/10/2021	1.0
PART NAME	FILE NAME	POS		
Bearing beam	Bearing beam.ipt	1.7		
DEVELOPED BY	REDESIGNED BY	DOC. TYPE	MATERIAL	QUANTITY
University Eindhoven		Part	HARDWOOD	2
		LICENCE	SCALE	SHEET
		CC-BY-SA 4.0	1:2	11 / 22

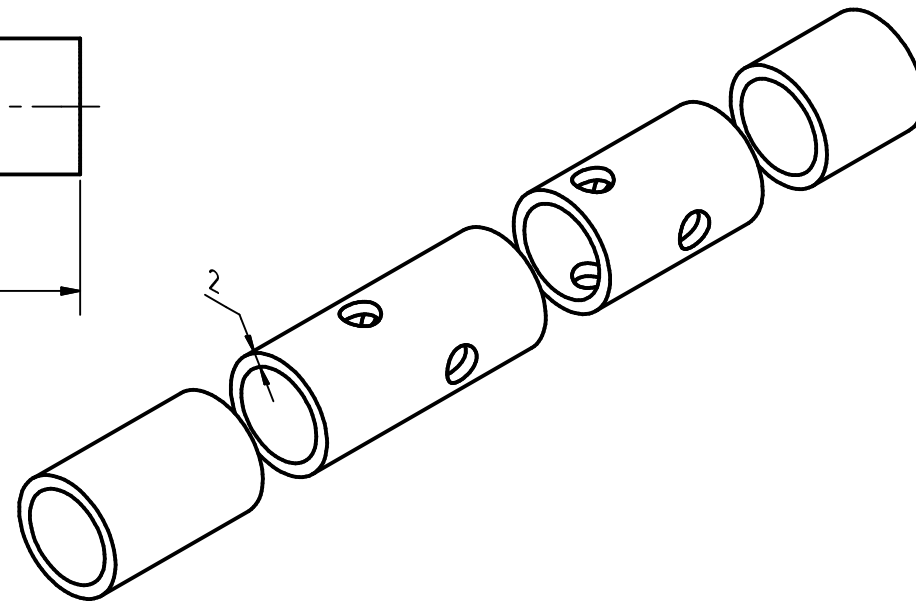
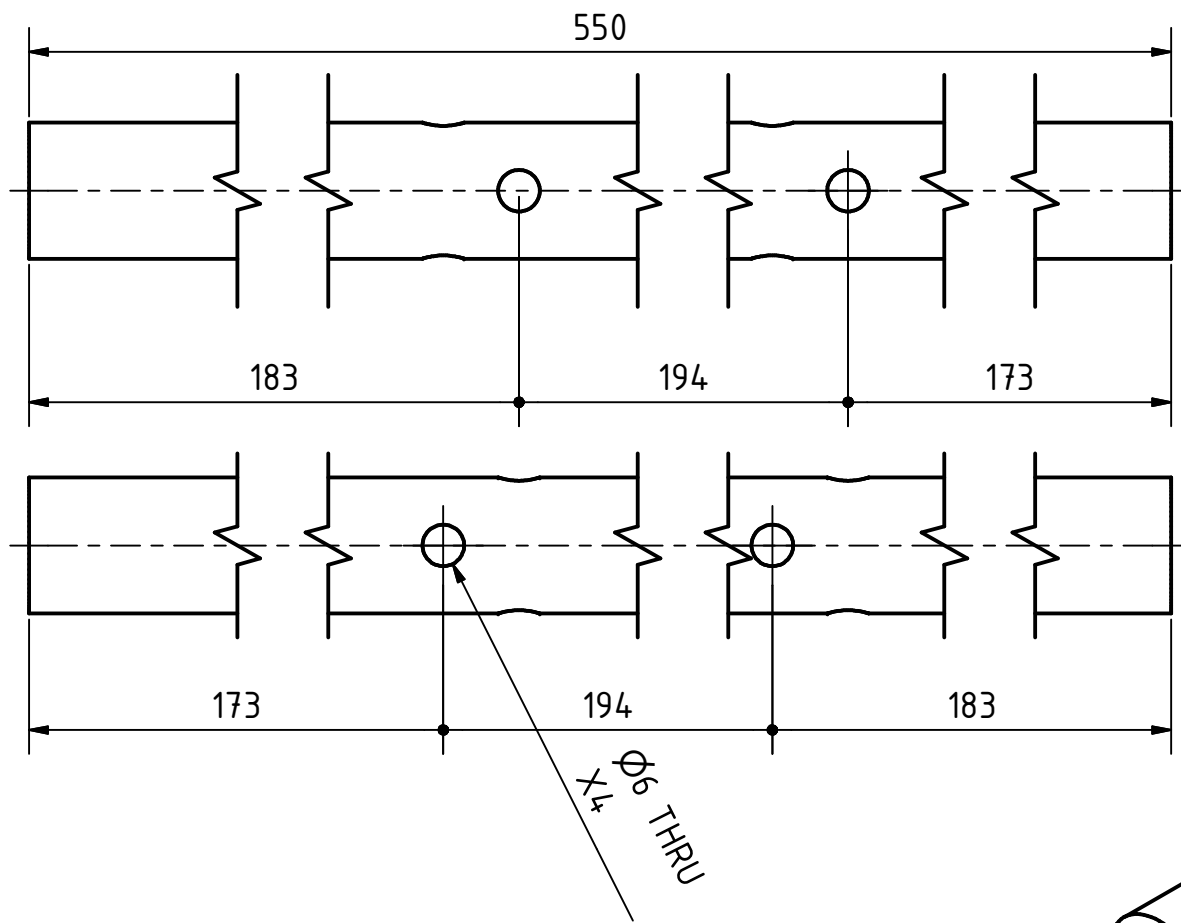
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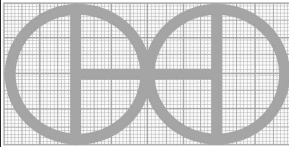
Note: all units in mm

PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Winnowing machine made of wooden parts	D. RODRIGUEZ	A. MORILLO	19/10/2021	1.0
PART NAME	FILE NAME			POS
Fan assembly	Fan assembly.ipn			2.0
DEVELOPED BY	REDESIGNED BY	DOC. TYPE	MATERIAL	QUANTITY
University Eindhoven		Assembly		1
		LICENCE	SCALE	SHEET
		CC-BY-SA 4.0	1:5	12 / 22

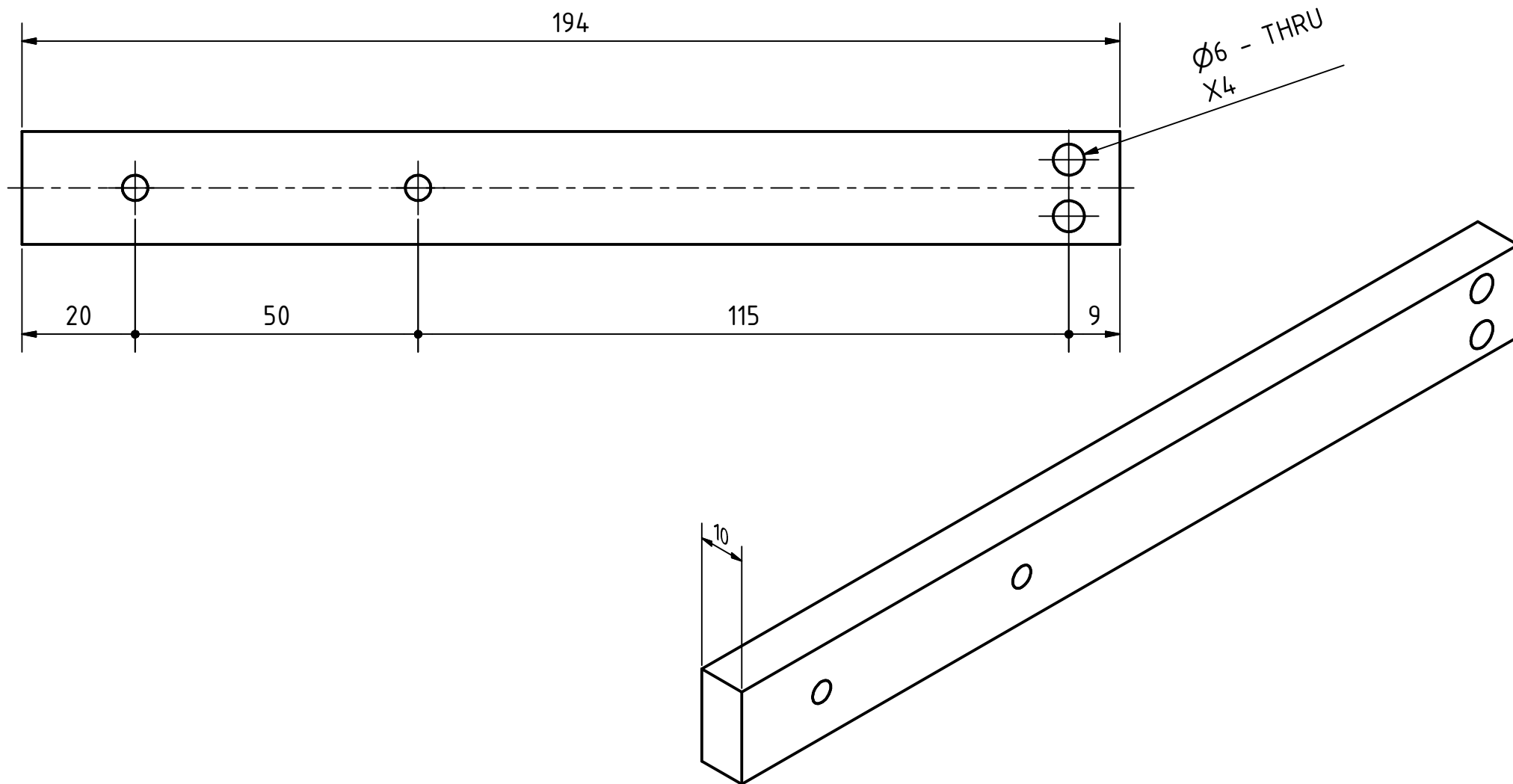
OHO e.V.



Note: all units in mm

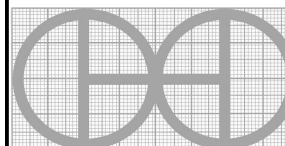
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Winnower made of wooden parts	D. RODRIGUEZ	A. MORILLO	19/10/2021	1.0
PART NAME	FILE NAME	POS		
Fan shaft.ipt	Fan shaft.ipt	2.1		
DEVELOPED BY	REDESIGNED BY	DOC. TYPE	MATERIAL	QUANTITY
University Eindhoven		Part	STEEL A36	1
		LICENCE	SCALE	SHEET
		CC-BY-SA 4.0	1:1	13 / 22

OHO e.V.

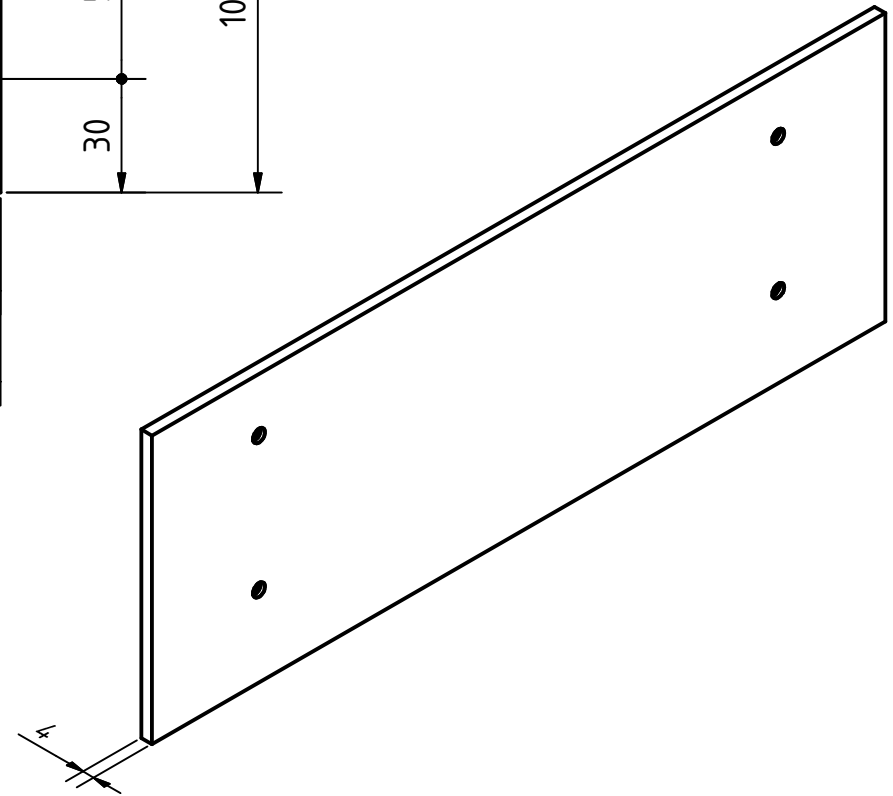
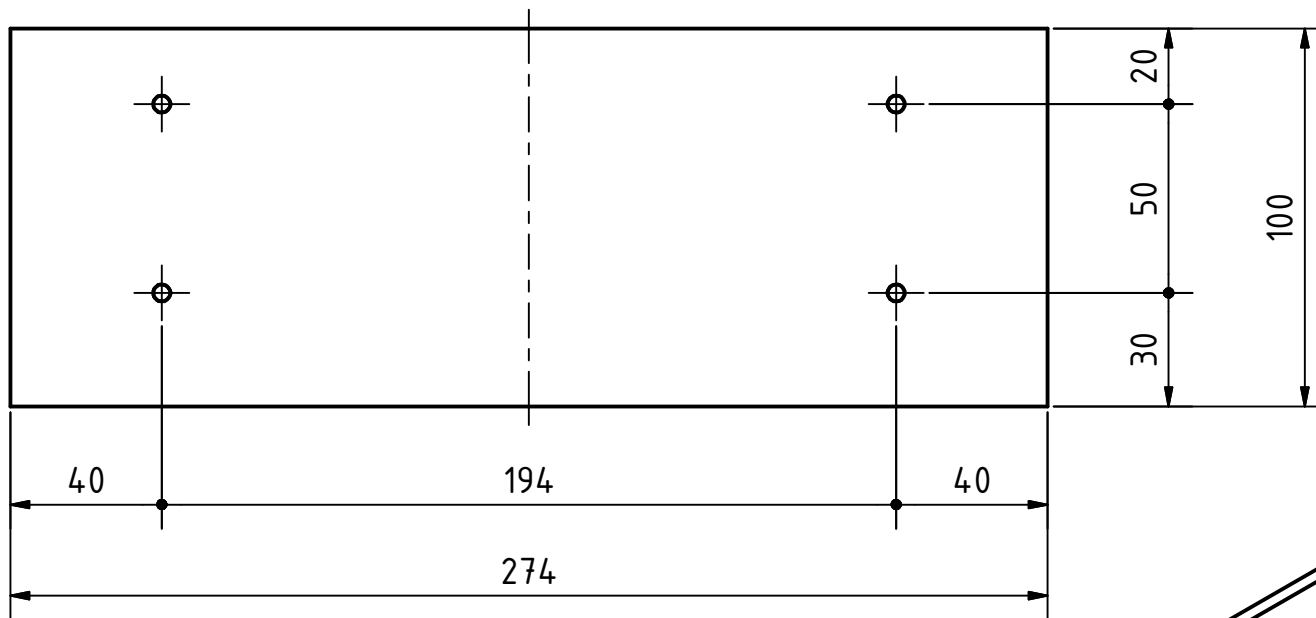


Note: all units in mm

PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Winnower made of wooden parts	D. RODRIGUEZ	A. MORILLO	19/10/2021	1.0
PART NAME	FILE NAME			POS
Fan arm	Fan arm.ipt			2.2
DEVELOPED BY	REDESIGNED BY	DOC. TYPE	MATERIAL	QUANTITY
		Part	HARDWOOD	8
		LICENCE	SCALE	SHEET
University Eindhoven		CC-BY-SA 4.0	1:2	14 / 22

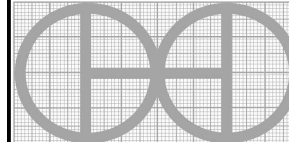


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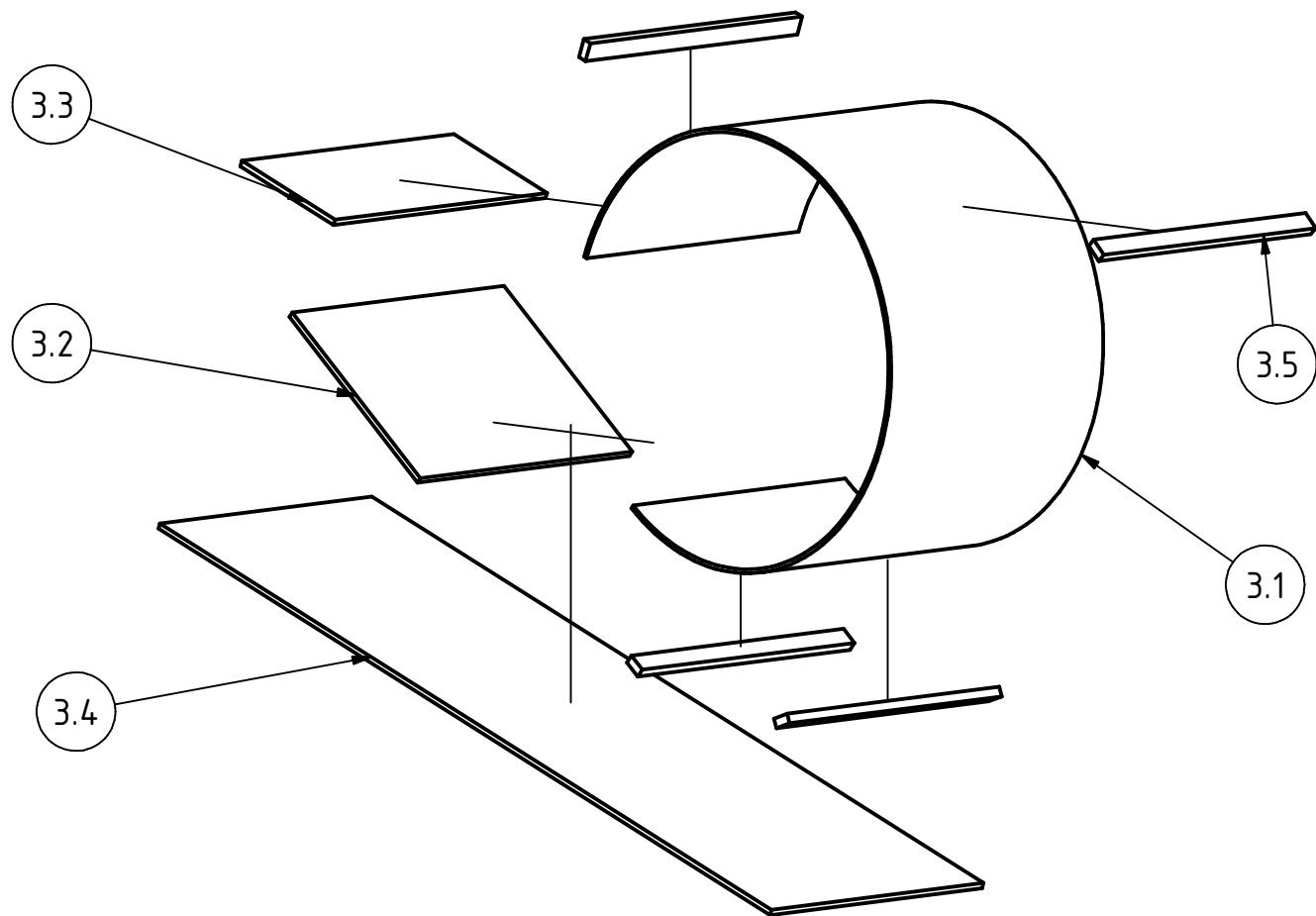


Note: all units in mm

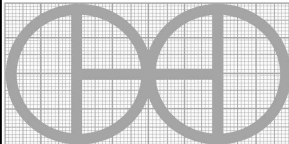
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Winnowers made of wooden parts	D. RODRIGUEZ	A. MORILLO	19/10/2021	1.0
PART NAME	FILE NAME			POS
Fan blade	Fan blade.ipt			2.3
DEVELOPED BY	REDESIGNED BY	DOC. TYPE	MATERIAL	QUANTITY
		Part	HARDBOARD	4
		LICENCE	SCALE	SHEET
University Eindhoven		CC-BY-SA 4.0	1:2	15 / 22



OHO e.v.

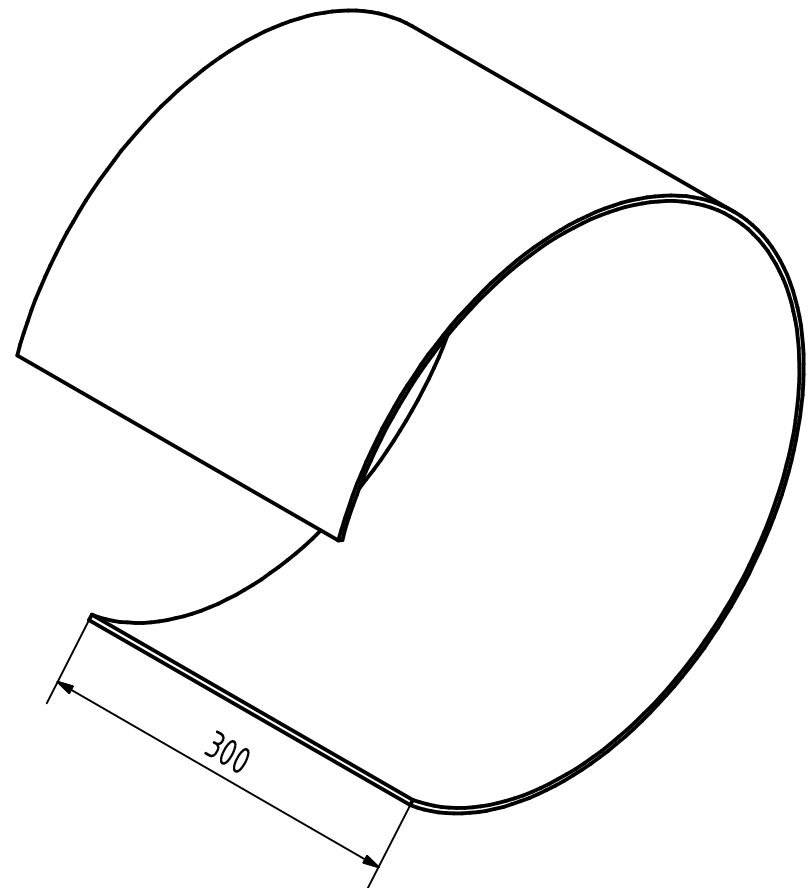
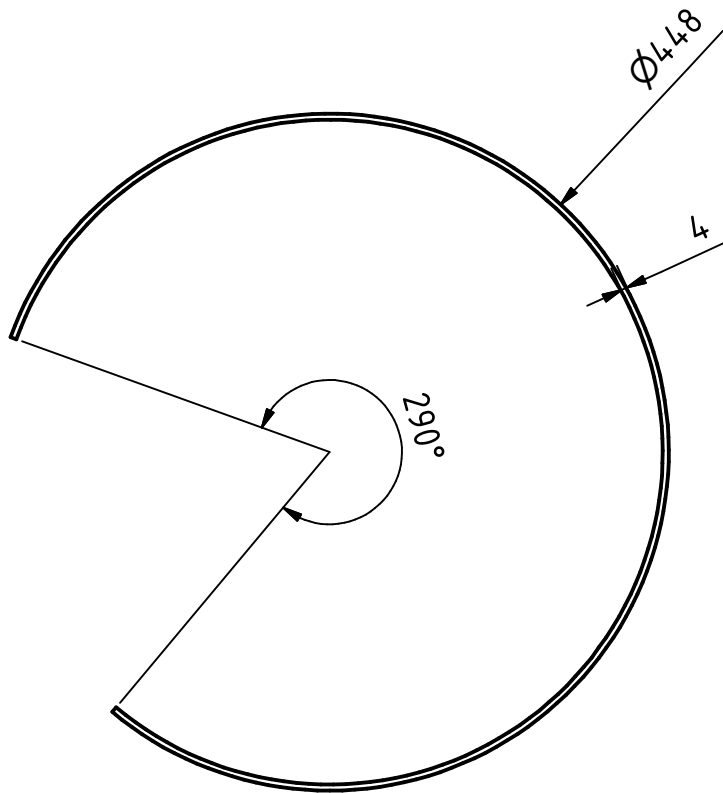


Note: all units in mm

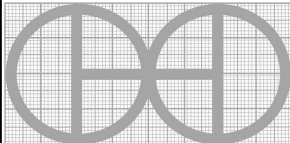
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Winnowing made of wooden parts	D. RODRIGUEZ	A. MORILLO	19/10/2021	1.0
PART NAME	FILE NAME			POS
Housing assembly	Housing assembly.ipn			3.0
DEVELOPED BY	REDESIGNED BY	DOC. TYPE	MATERIAL	QUANTITY
University Eindhoven		Assembly		1
		LICENCE	SCALE	SHEET
		CC-BY-SA 4.0	1:7.5	16 / 22

OHO e.V.

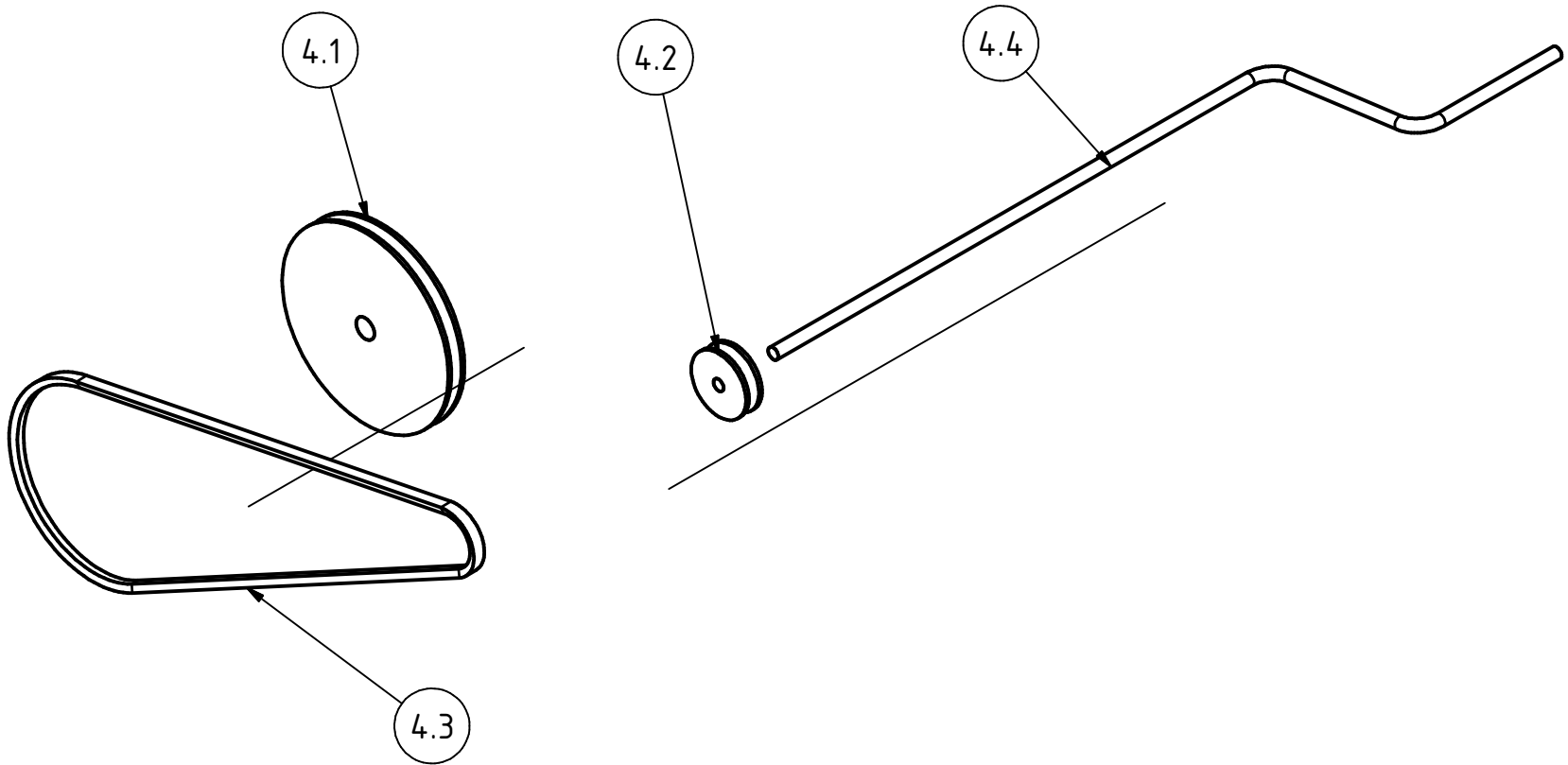




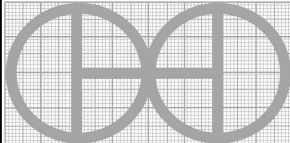
Note: all units in mm

PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Winnower made of wooden parts	D. RODRIGUEZ	A. MORILLO	19/10/2021	1.0
PART NAME	FILE NAME	POS		
Fan housing	Fan housing.ipt	3.1		
DEVELOPED BY	REDESIGNED BY	DOC. TYPE	MATERIAL	QUANTITY
University Eindhoven		Part	HARDBOARD	1
		LICENCE	SCALE	SHEET
		CC-BY-SA 4.0	1:5	17 / 22

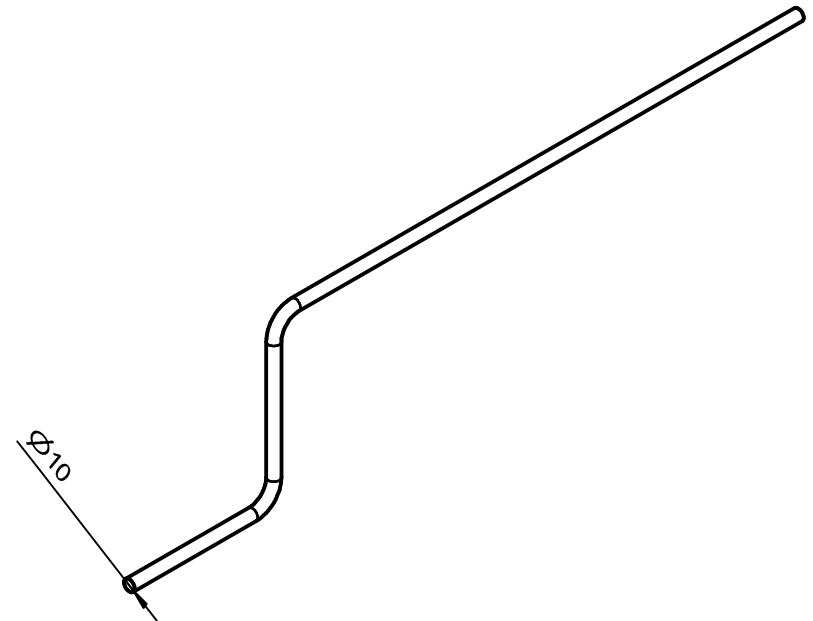
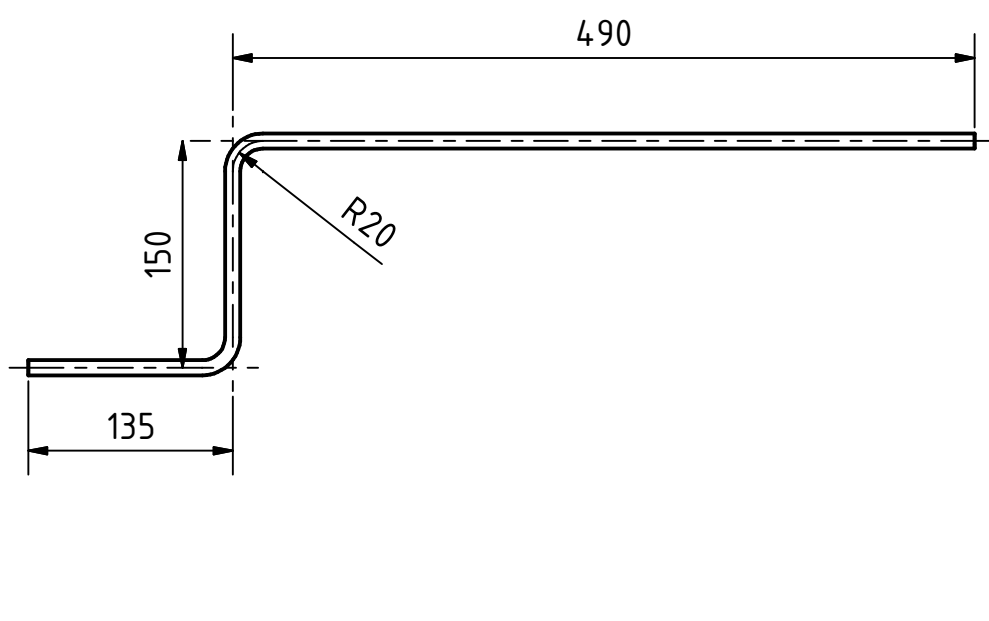
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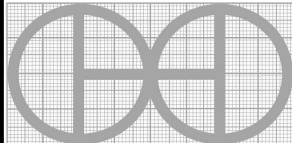
Note: all units in mm

PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Winnowing machine made of wooden parts	D. RODRIGUEZ	A. MORILLO	19/10/2021	1.0
PART NAME	FILE NAME			POS
Drive assembly	Drive assembly.ipn			4.0
DEVELOPED BY	REDESIGNED BY	DOC. TYPE	MATERIAL	QUANTITY
University Eindhoven		Assembly		1
		LICENCE	SCALE	SHEET
		CC-BY-SA 4.0	1:5	18 / 22

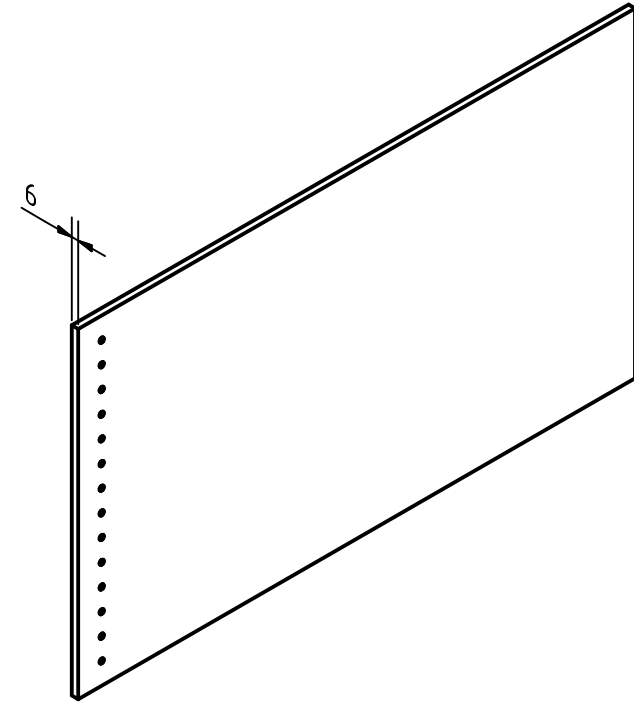
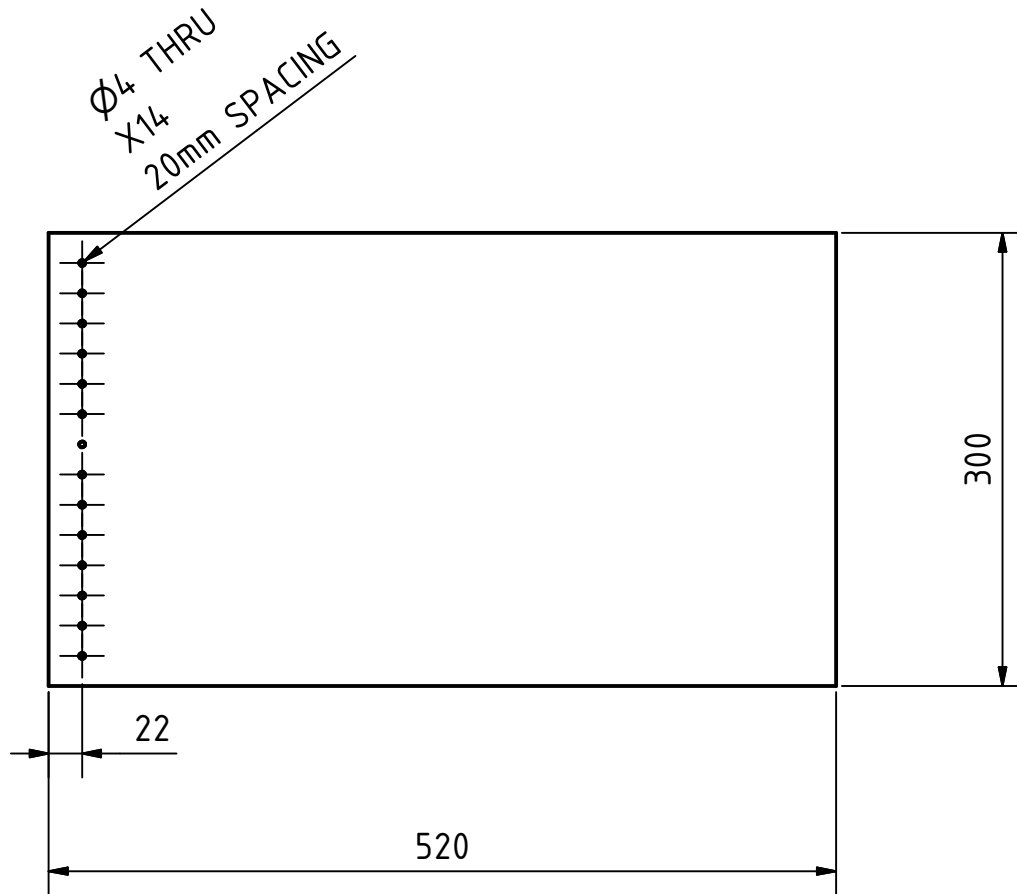
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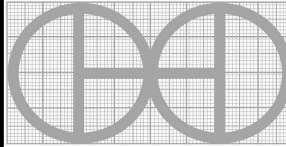
Note: all units in mm

PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Winnower made of wooden parts	D. RODRIGUEZ	A. MORILLO	19/10/2021	1.0
PART NAME	FILE NAME	POS		
Swingle bar	Swingle bar.ipt	4.4		
DEVELOPED BY	REDESIGNED BY	DOC. TYPE	MATERIAL	QUANTITY
University Eindhoven		Part	STEEL A36	1
		LICENCE	SCALE	SHEET
		CC-BY-SA 4.0	1:5	19 / 22

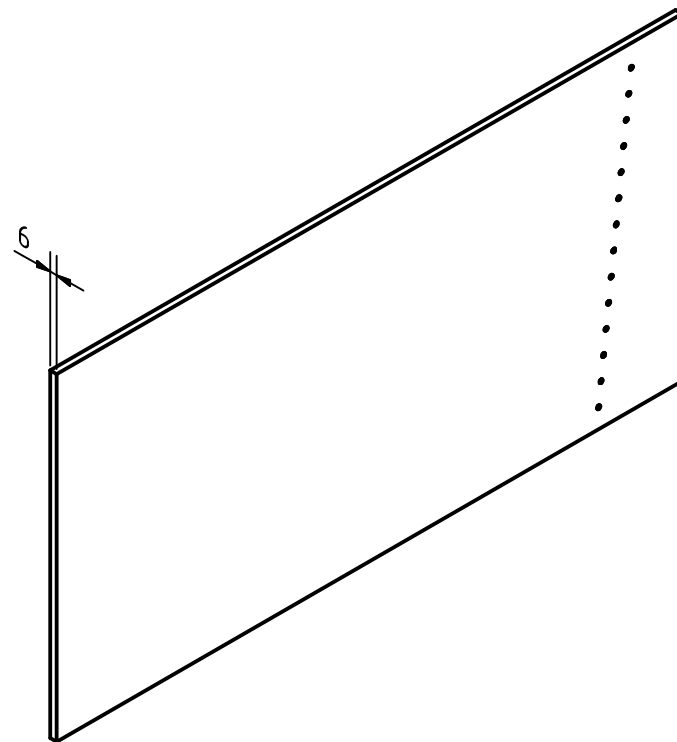
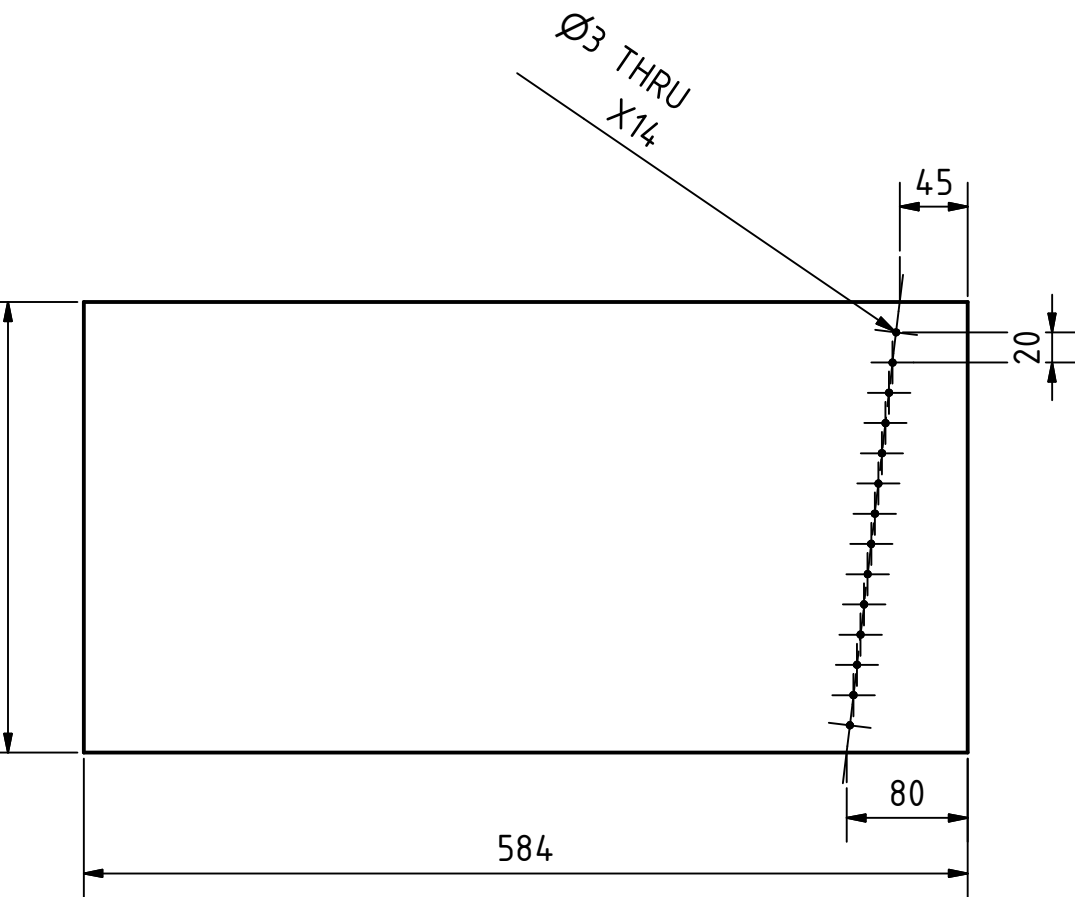
OHO e.V.



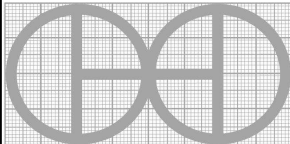
Note: all units in mm

PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Winnower made of wooden parts	D. RODRIGUEZ	A. MORILLO	19/10/2021	1.0
PART NAME	FILE NAME	POS		
Tray2	Tray2.ipt	6.0		
DEVELOPED BY	REDESIGNED BY	DOC. TYPE	MATERIAL	QUANTITY
University Eindhoven		Part	PLYWOOD	1
		LICENCE	SCALE	SHEET
		CC-BY-SA 4.0	1:5	20 /22

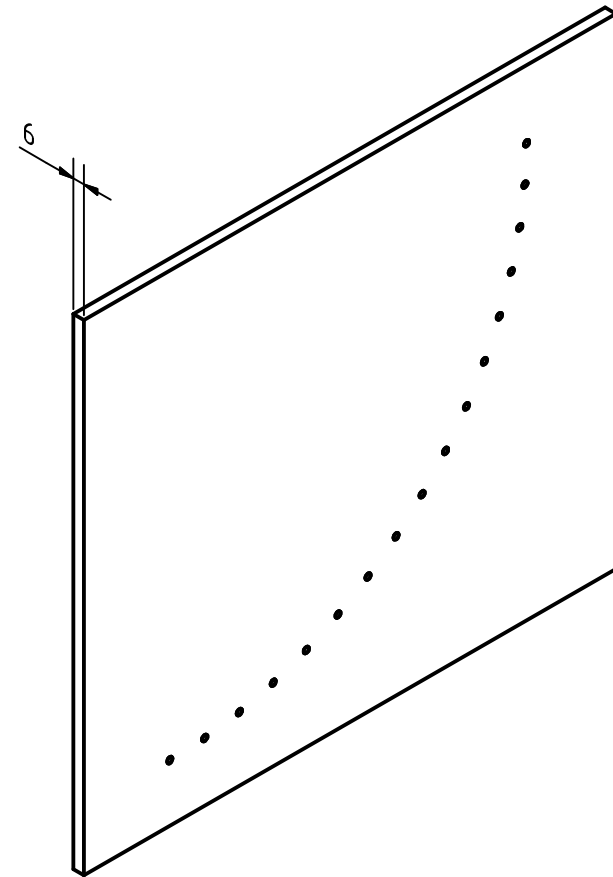
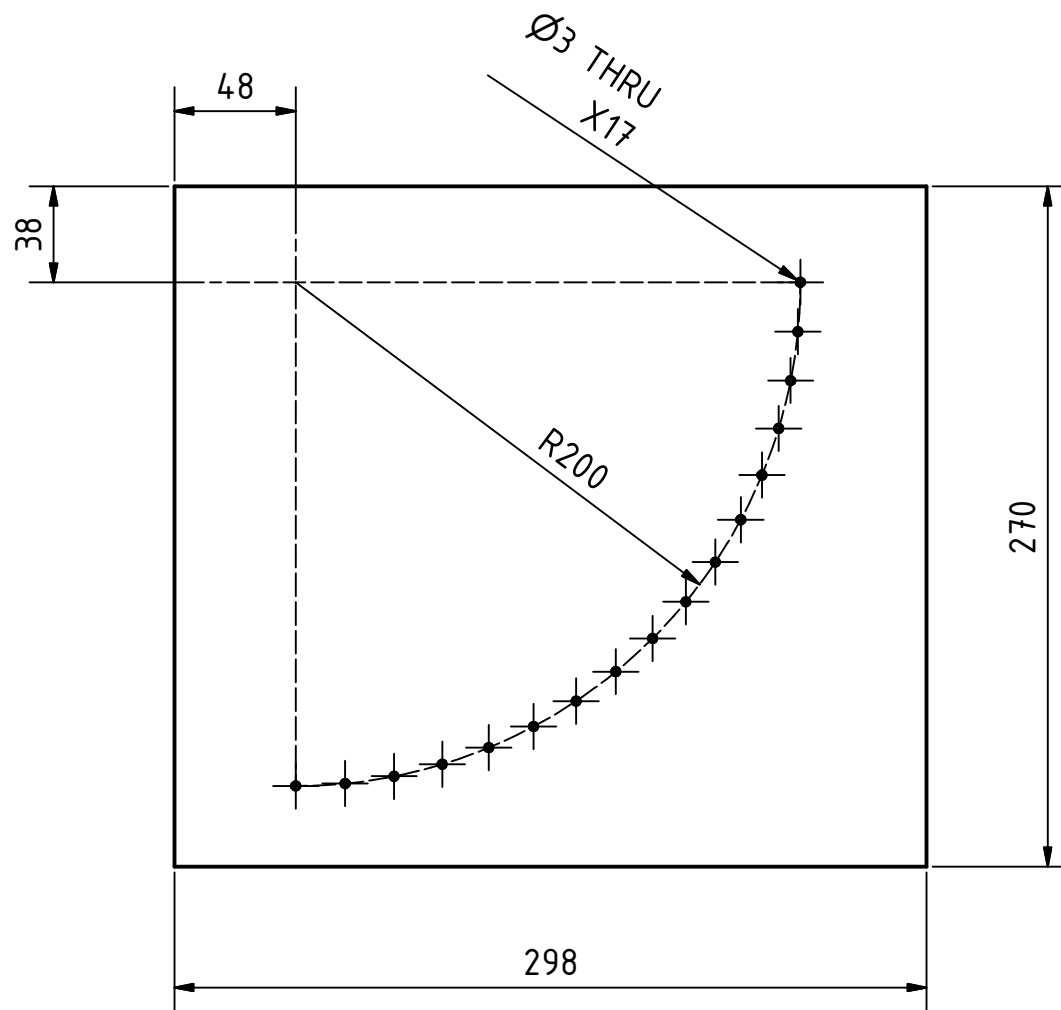
OHO e.V.



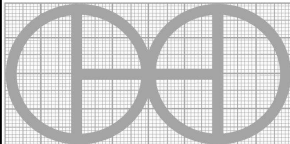
Note: all units in mm

PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Winnower made of wooden parts	D. RODRIGUEZ	A. MORILLO	19/10/2021	1.0
PART NAME	FILE NAME	POS		
Funnel roof movable	Funnel roof movable.ipt	7.0		
DEVELOPED BY	REDESIGNED BY	DOC. TYPE	MATERIAL	QUANTITY
University Eindhoven		Part	PLYWOOD	1
		LICENCE	SCALE	SHEET
		CC-BY-SA 4.0	1:5	21 / 22

OHO e.V.



Note: all units in mm

PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Winnower made of wooden parts	D. RODRIGUEZ	A. MORILLO	19/10/2021	1.0
PART NAME	FILE NAME	POS		
Sliding lid	Sliding lid.ipt	8.0		
DEVELOPED BY	REDESIGNED BY	DOC. TYPE	MATERIAL	QUANTITY
University Eindhoven		Part	PLYWOOD	1
		LICENCE	SCALE	SHEET
		CC-BY-SA 4.0	1:3	22 /22

OHO e.V.