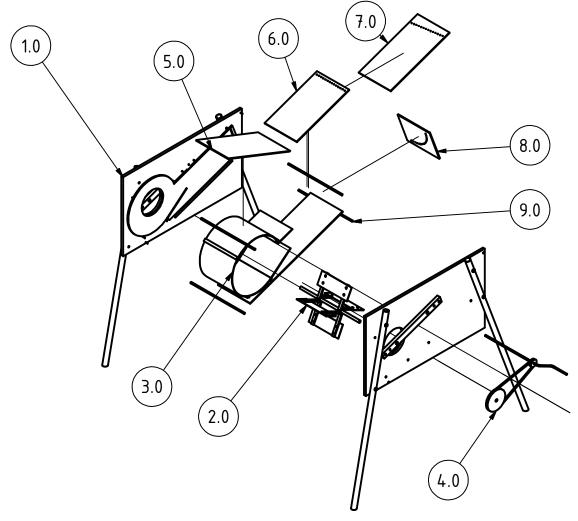


						<u>Note: all ι</u>	<u>ınits in r</u>
PROJECT		CREATED BY		APPROVED BY		DATE	VERSION
Winnower made of wooden	parts	D. RODRIGUEZ		A. MORILL	0	19/10/2021	1.0
PART NAME		FILE NAME				-	POS
3D views		Winnower made o	f w	ooden part	s.iam		A1
DEVELOPED BY	REDESI	GNED BY		DOC. TYPE	MATERIAL		QUANTITY
	74		>	Assembly			1
			e.	LICENCE	•	SCALE	SHEET
			오				
University Eindhoven			힞	CC-BY-SA	4.0	1:20	1 /22



						Note: all ι	<u>ınits in r</u>
PROJECT	·	CREATED BY		APPROVED BY		DATE	VERSION
						l	
Winnower made of wooden	parts	D. RODRIGUEZ		A. MORILL	.O	19/10/2021	1.0
PART NAME		FILE NAME					POS
Exploded 3D view		Winnower made o	f w	ooden part	:s.ipn		A2
DEVELOPED BY	REDESI	GNED BY		DOC. TYPE	MATERIAL		QUANTITY
	74		>	Assembly			1
			ď	LICENCE	•	SCALE	SHEET
			Q				
University Eindhoven			ᅌ	CC-BY-SA	4.0	1:25	2 /22

			PARTS LIST			
OS	QTY	PART NAME	FILE NAME	PART TYPE	SPECIFICATIONS	SHE
۱۱	1	3D views	Winnower made of wooden parts.iam			1
۸2	1	Exploded 3D view	Winnower made of wooden parts.ipn			2
31		Parts list				3
32		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	1
.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			13
.1	1	Fan shaft.ipt	Fan shaft.ipt	Production	Thickness 2mm, steel A36	1
.2	8	Fan arm	Fan arm.ipt	Production	20*10mm, hardwood	1.
.3	4	Fan blade	Fan blade.ipt	Production	Thickness 4mm, hardboard	1.
.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			1
.1	1	Fan housing	Fan housing.ipt	Production	Thickness 4mm, bended, hardboard	1
.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			1

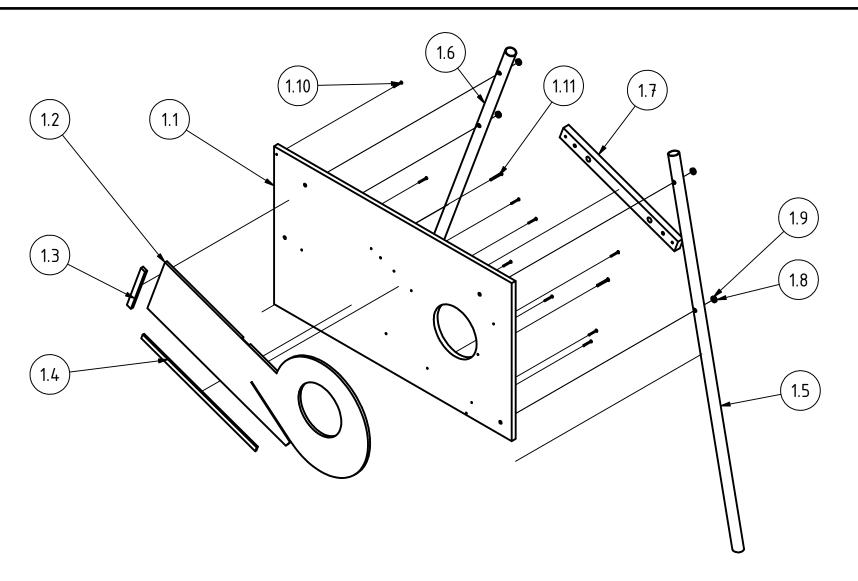
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PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Winnower made of wooden	parts D. RODRIGUEZ	A. MORILLO	19/10/2021	1.0
PART NAME	FILE NAME	-		POS
Parts list				B1
DEVELOPED BY	REDESIGNED BY	DOC. TYPE MATERI	AL	QUANTIT
FI				
		> Parts list		
	'/	4 LICENCE	SCALE	SHEET
19		0		
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Offiversity Efficiency eff		OCC-DT-SA 4.0		3/22

			PARTS LIST	Γ		
OS	QTY	PART NAME	FILE NAME	PART TYPE	SPECIFICATIONS	SHE
.1		Grooved Pulley2		Buy	SPZ 160, aluminium	
.2		Grooved Pulley1		Buy	SPZ 50, aluminium	
.3		V-Belt		Buy	Optibelt 10*6mm, 894mm	
.4	1	Swingle bar	Swingle bar.ipt	Production	Diameter 10mm, steel a36	19
.0	1	Tray1	Tray2.ipt	Production	620*300mm, thickness 6mm, plywood	
.0	1	Tray2	Tray2.ipt	Production	Thickness 6mm, plywood	2
.0	1	Funnel roof movable	Funnel roof movable.ipt	Production	Thickness 6mm, plywood	2
.0	1	Sliding lid	Sliding lid.ipt	Production	Thickness 6mm, plywood	2
.0	4	Trreaded rod	Threaded rod.ipt	Production	Diameter 10mm, Lenght 400mm, Steel A36	

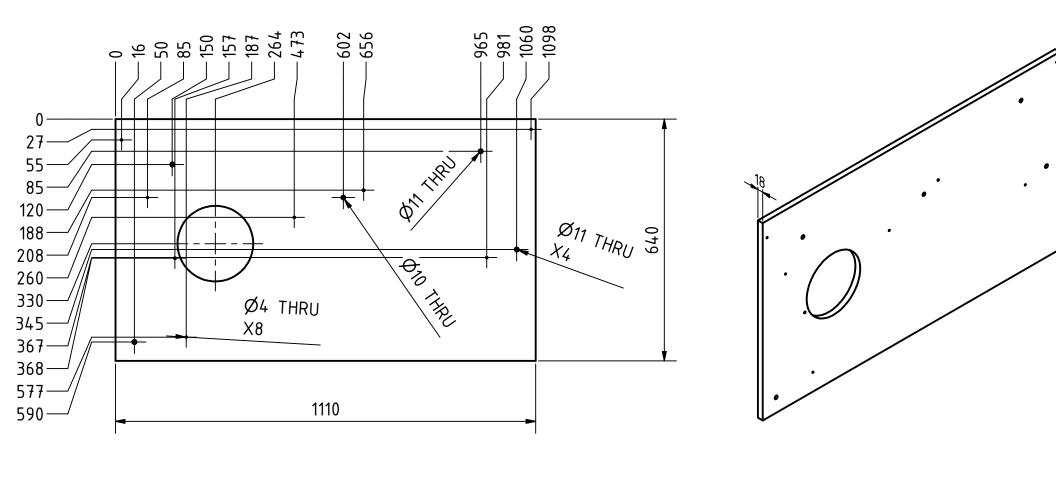
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Winnower made of wooden par	tdD. RODRIGUEZ	A. MORILLO	19/10/2021	1.0
PART NAME	FILE NAME	/ 11 11 10 11 12 12 12 13	-, ,	POS
Parts list				B2
DEVELOPED BY REDE	SIGNED BY	DOC. TYPE MATERIAL		QUANTITY
7/4	1	Parts list		
	<u>م</u>	LICENCE	SCALE	SHEET
		<u> </u>		
University Eindhoven	<u> </u>	CC-BY-SA 4.0		4 /22

	TECHNICL NOTES
TES	CONTENT
NERAL NOTES	
	Iron structures should be painted to prevent rust and improve equipment life.
1	- Remove loose rust with a wire brush, sandpaper or chemical rust remover.
tal structure treatment	- If applicable, sand areas where paint is chipping until surface is smooth.
1	- Remove dust or oil with a degreaser or denatured alcohol.
1	- Prime surface to protect against rust and corrosion
ad turaturant	- The wood must be treated with pesticides and kiln-dried to ensure adequate humidity.
ood treatment	- Wood sealer should be applied for later use.

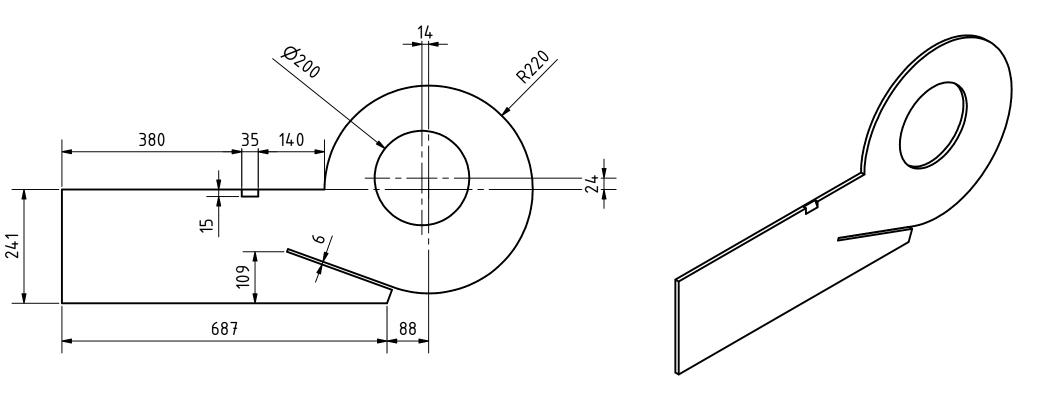
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
			I	
Winnower made of wooden part	ID RODRIGUEZ	A. MORILLO	19/10/2021	1.0
PART NAME	FILE NAME	7.1.10112220	. , ,	POS
FART NAME	I ILL NAME			FU3
Technical notes				C1
	1			CI
DEVELOPED BY REDES	SIGNED BY	DOC. TYPE MATERIAL		QUANTIT
		_l		
/ <i>/</i>		>l l		
		LICENCE	SCALE	SHEET
		5 2102.1102	OO, 122	J
		∤		
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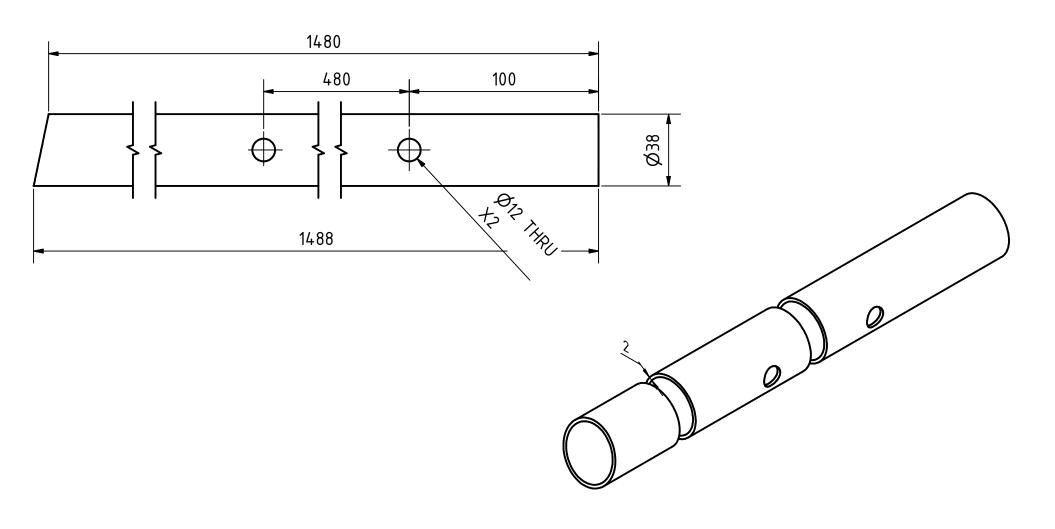
_						<u>Note: all ι</u>	<u>inits in r</u>
F	PROJECT	CREATED BY		APPROVED BY		DATE	VERSION
ľ	Winnower made of wooden pa	rts D. RODRIGUEZ		A. MORILL	.0	19/10/2021	1.0
F	PART NAME	FILE NAME				-	POS
	Side assembly	Side assembly.ipn					1.0
Ī	DEVELOPED BY RED	ESIGNED BY		DOC. TYPE	MATERIAL		QUANTITY
	7/4		\leq	Assembly			2
			Ġ	LICENCE	-	SCALE	SHEET
			읻				
Į	Jniversity Eindhoven	3540354	히	CC-BY-SA	4.0	1:12.5	6 /22



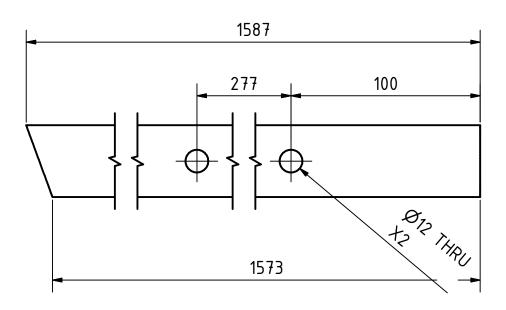
					Note: all ι	<u>ınits in r</u>
PROJECT	CREATED BY		APPROVED BY		DATE	VERSION
Winnower made of wooden pa	rts D. RODRIGUEZ		A. MORILL	.0	19/10/2021	1.0
PART NAME	FILE NAME		-		-	POS
Side wall	Side assembly.ipn					1.1
DEVELOPED BY RED	ESIGNED BY		DOC. TYPE	MATERIAL		QUANTIT
7/1		>	Part	PLYWOO)D	2
		ė.	LICENCE		SCALE	SHEET
A W		우				
University Eindhoven		Ó	CC-BY-SA	4.0	1:10	7 /22
<u>-</u>					•	

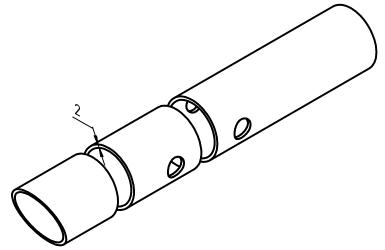


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PROJECT	CREATED BY	APPROVED BY	·	DATE	VERSION
Winnower made of wooden parts	D. RODRIGUEZ	A. MORILL	0	19/10/2021	1.0
PART NAME	FILE NAME				POS
Profile sheet	Profile sheet.ipt				1.2
DEVELOPED BY REDESI	GNED BY	DOC. TYPE	MATERIAL		QUANTITY
	>	Part	PLYWOO	D	2
	ف ا	LICENCE		SCALE	SHEET
University Eindhoven	1	CC-BY-SA	4.0	1:8	8 /22

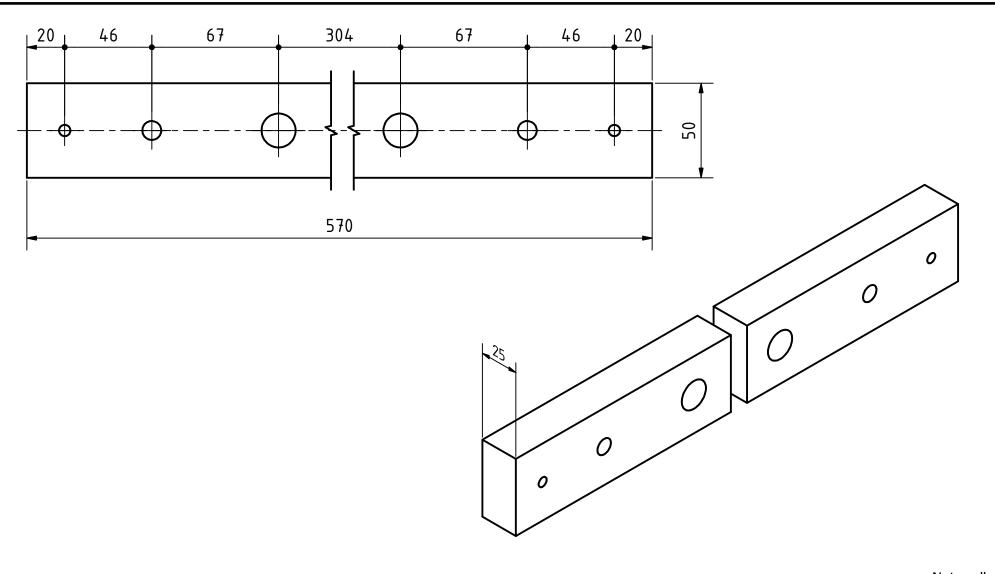


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PROJECT		CREATED BY		APPROVED BY		DATE	VERSION
Winnower made of wooden	ı parts	D. RODRIGUEZ		A. MORILL	.0	19/10/2021	1.0
PART NAME		FILE NAME					POS
Legs1		Legs1.ipt					1.5
DEVELOPED BY	REDESI	GNED BY		DOC. TYPE	MATERIAL		QUANTITY
	7/		>	Part	STEEL A	36	2
			aj.	LICENCE		SCALE	SHEET
			우				
University Eindhoven			<u> </u>	CC-BY-SA	4.0	1:2	9 /22

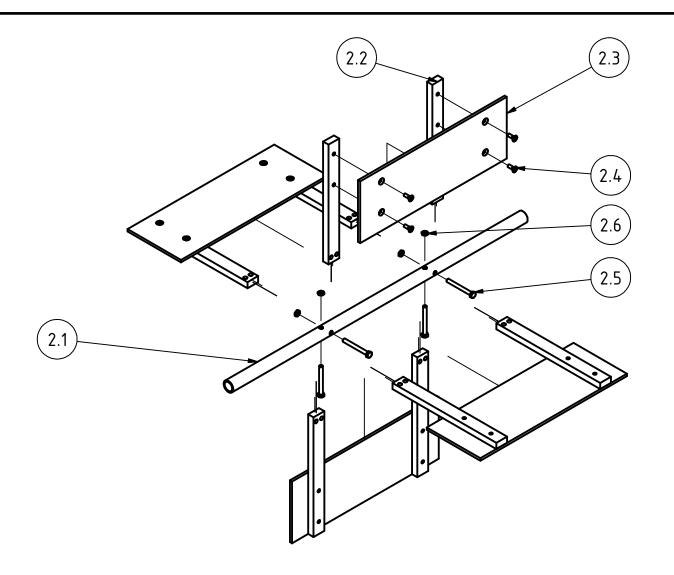




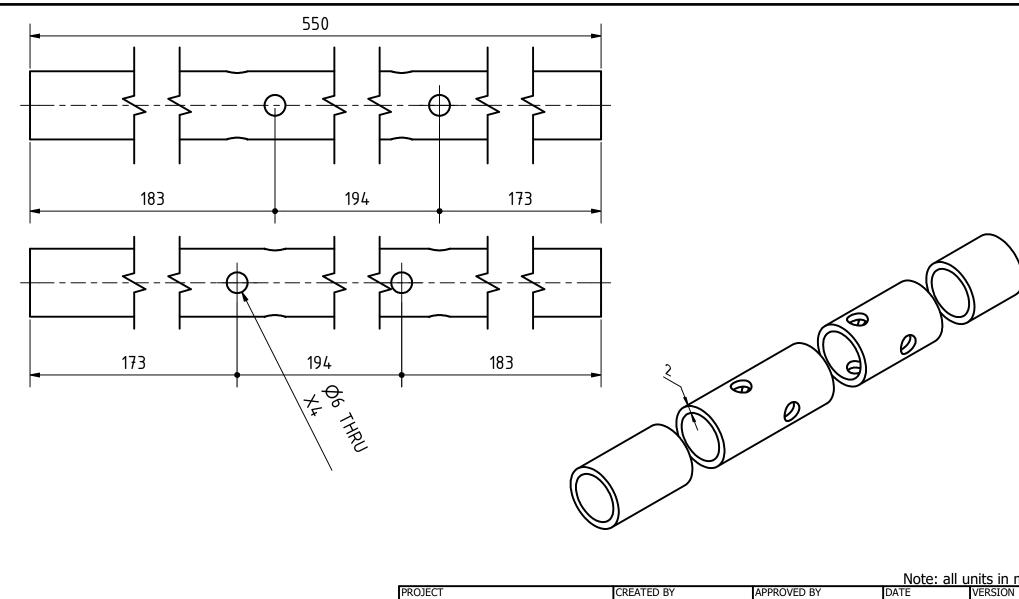
			<u>Note: all ι</u>	<u>ınits in r</u>
CREATED BY	APPROVED BY	•	DATE	VERSION
D. RODRIGUEZ	A. MORILL	_0	19/10/2021	1.0
FILE NAME	-		-	POS
Legs2.ipt				1.6
SIGNED BY	DOC. TYPE	MATERIAL		QUANTITY
	> Part	STEEL A	36	2
	LICENCE		SCALE	SHEET
	위			
	CC-BY-SA	4.0	1:2	10 /22
	Legs2.ipt SIGNED BY	TEST D. RODRIGUEZ FILE NAME Legs2.ipt SIGNED BY DOC. TYPE Part UICENCE P	ts D. RODRIGUEZ FILE NAME Legs2.ipt SIGNED BY DOC. TYPE MATERIAL Part STEEL A	TEST D. RODRIGUEZ A. MORILLO 19/10/2021 FILE NAME Legs2.ipt SIGNED BY DOC. TYPE MATERIAL Part STEEL A36 LICENCE SCALE PORTUGE PART STEEL A36



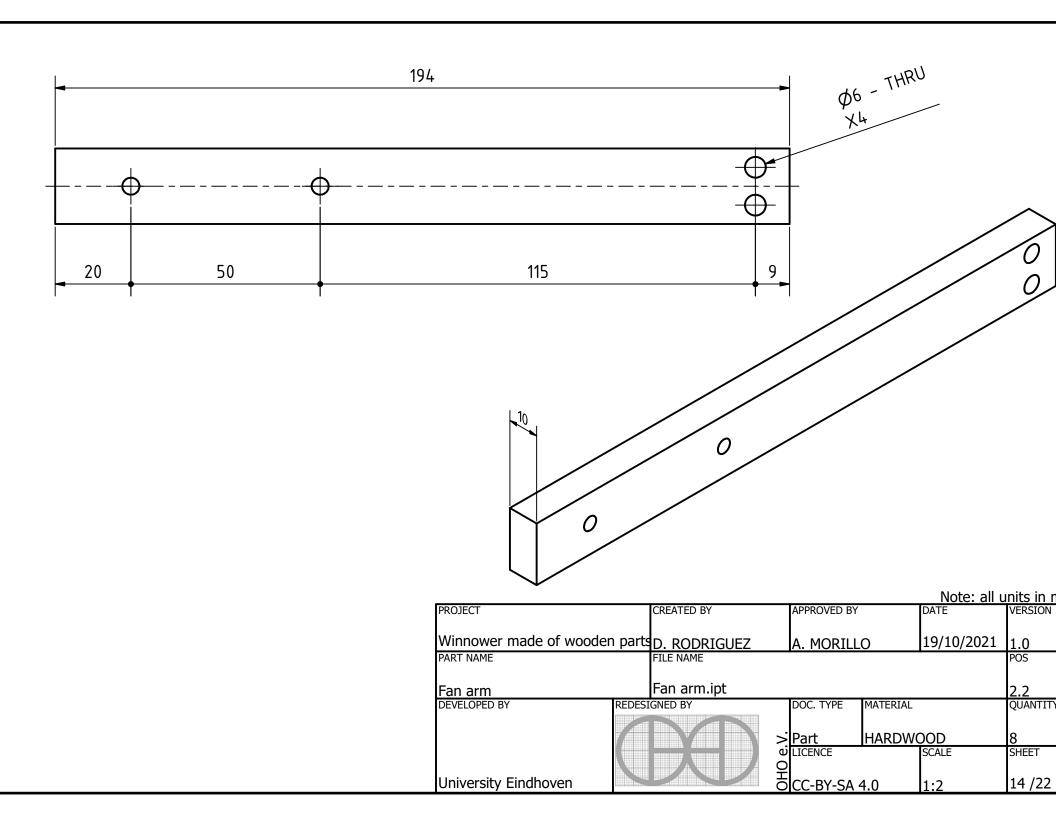
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PROJECT	CREATED BY	_	APPROVED BY	,	DATE	VERSION
Winnower made of wooden pa	td. RODRIGUEZ		A. MORILL	_0	19/10/2021	1.0
PART NAME	FILE NAME					POS
Bearing beam	Bearing beam.ipt					1.7
DEVELOPED BY RED	SIGNED BY		DOC. TYPE	MATERIAL	_	QUANTITY
//		>	Part	HARDWO	OOD	2
		ė.	LICENCE		SCALE	SHEET
		위				
University Eindhoven		Ó	CC-BY-SA	4.0	1:2	11 /22
DEVELOPED BY RED University Eindhoven	SIGNED BY	10 e.V.	Part LICENCE	HARDWO	SCALE	2 SHEET

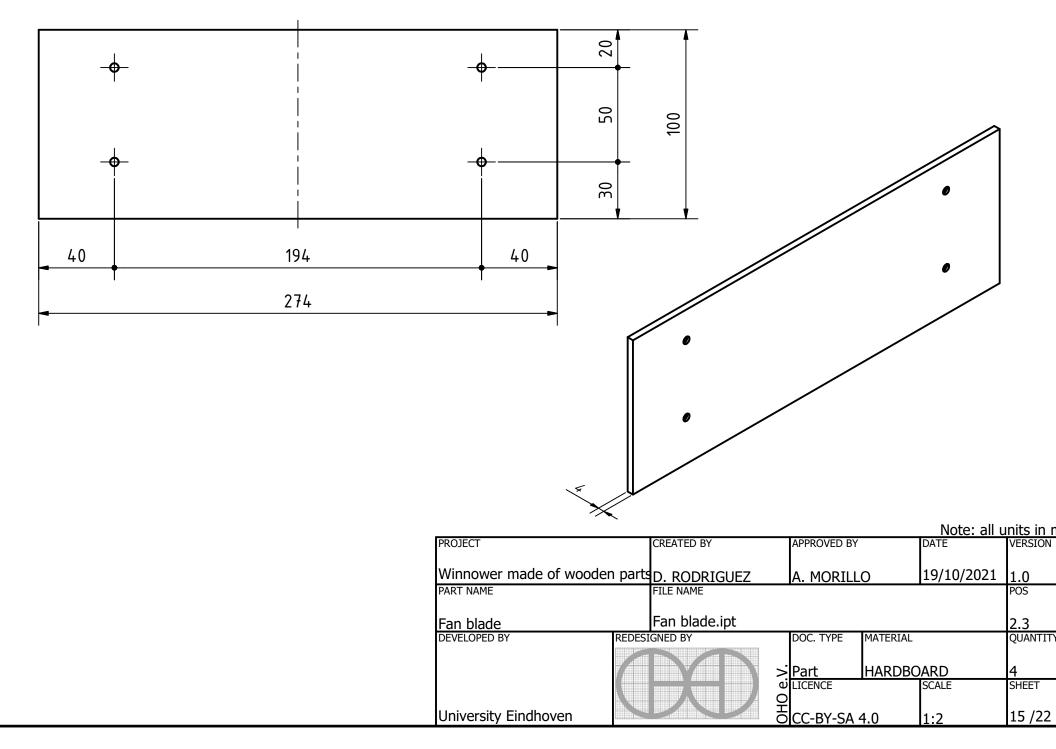


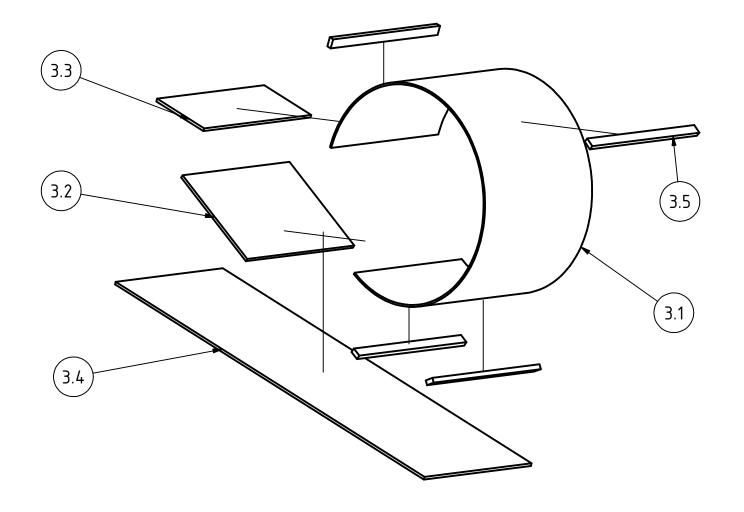
				Note: all ι	<u>units in r</u>
PROJECT	CREATED BY	APPROVED BY	7	DATE	VERSION
Winnower made of woode	en parts D. RODRIGUEZ	A. MORILL	LO	19/10/2021	1.0
PART NAME	FILE NAME			-	POS
Fan assembly	Fan assembly.ipn				2.0
DEVELOPED BY	REDESIGNED BY	DOC. TYPE	MATERIAL	•	QUANTIT
		> Assembly			1
		LICENCE		SCALE	SHEET
		위			
University Eindhoven		<u> </u>	4.0	1:5	12 /22



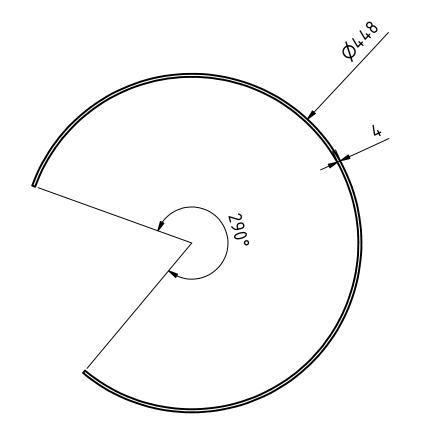
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PROJECT	CREATED BY		APPROVED BY	′	DATE	VERSION
1.6					l	
Winnower made of wooden p	art¶D. RODRIGUEZ		A. MORILL	_O	19/10/2021	1.0
PART NAME	FILE NAME		•		•	POS
	l <u> </u>					
Fan shaft.ipt	Fan shaft.ipt					2.1
DEVELOPED BY RE	DESIGNED BY		DOC. TYPE	MATERIAL		QUANTITY
		_		l		
V /	-	>	Part	STEEL A	36	1
		i.	LICENCE		SCALE	SHEET
Å.		0				
line en e		Ĭ	 			40 (00
University Eindhoven		0	CC-BY-SA	4.0	1:1	13 /22

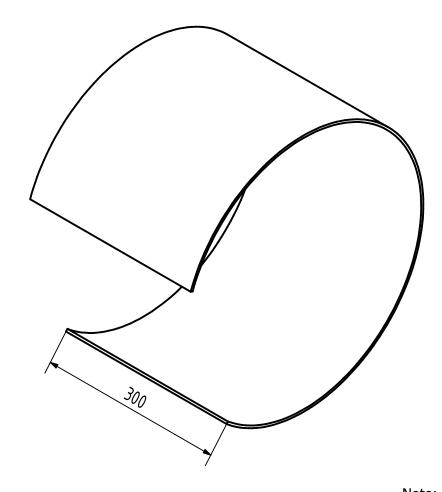




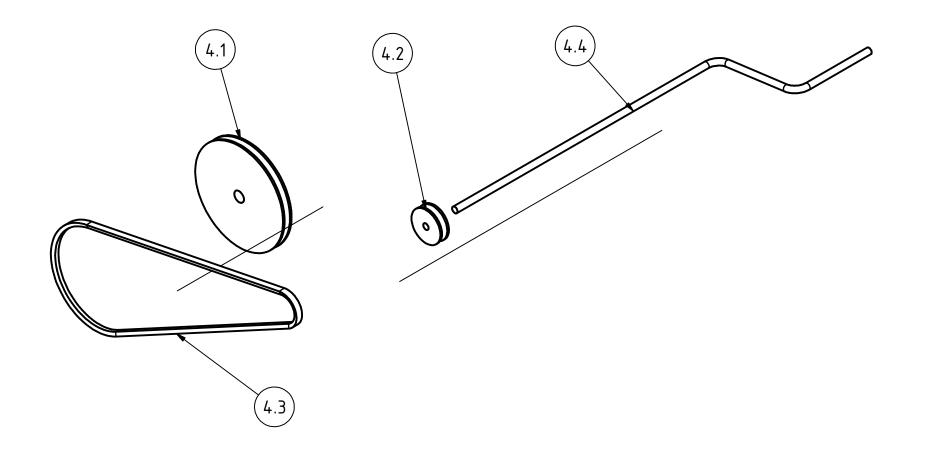


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VERSION
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QUANTITY
1
SHEET
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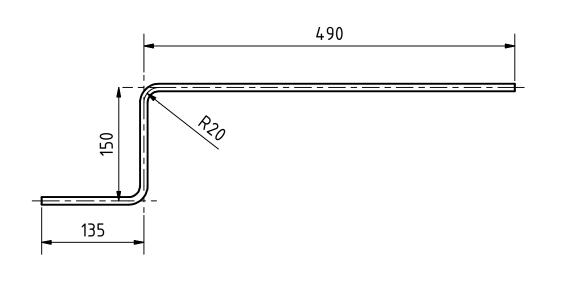


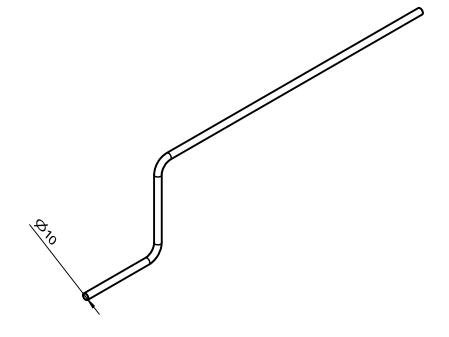


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PROJECT	CREATED BY	APPROVED BY	Y	DATE	VERSION
Winnower made of wooden p	parts D. RODRIGUEZ	A. MORILI	LO	19/10/2021	1.0
PART NAME	FILE NAME				POS
Fan housing	Fan housing.ipt				3.1
DEVELOPED BY RE	EDESIGNED BY	DOC. TYPE	MATERIAL		QUANTITY
F A		> Part	HARDBO)ARD	1
		LICENCE		SCALE	SHEET
A.V.		위			
University Eindhoven		ට්CC-BY-SA	4.0	1:5	17 /22

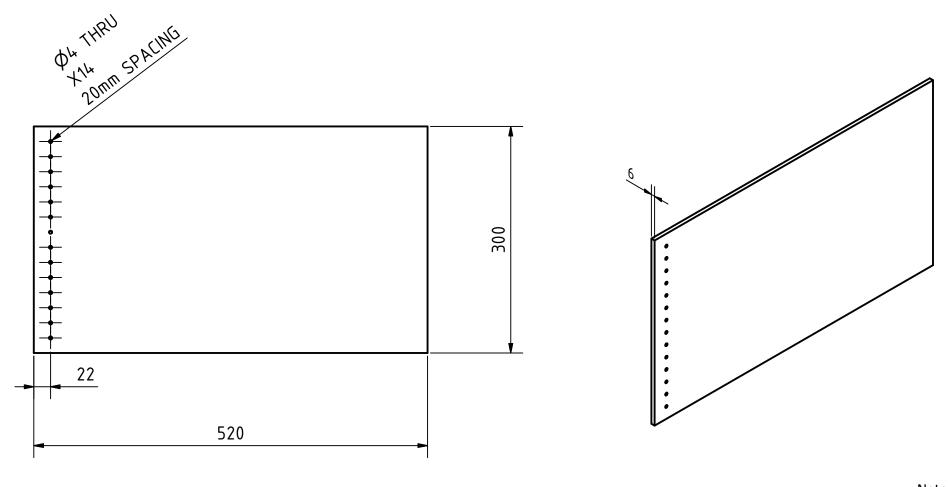


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PROJECT	CREATED BY	APPROVED BY		DATE	VERSION
Winnower made of wooden parts	D. RODRIGUEZ	A. MORILL	.0	19/10/2021	1.0
PART NAME	FILE NAME	-		-	POS
Drive assembly	Drive assembly.ipn				4.0
DEVELOPED BY REDES	GNED BY	DOC. TYPE	MATERIAL		QUANTITY
//	- X - X - X - X	Assembly			1
	م ا	LICENCE	•	SCALE	SHEET
	9				
University Eindhoven		CC-BY-SA	4.0	1:5	18 /22

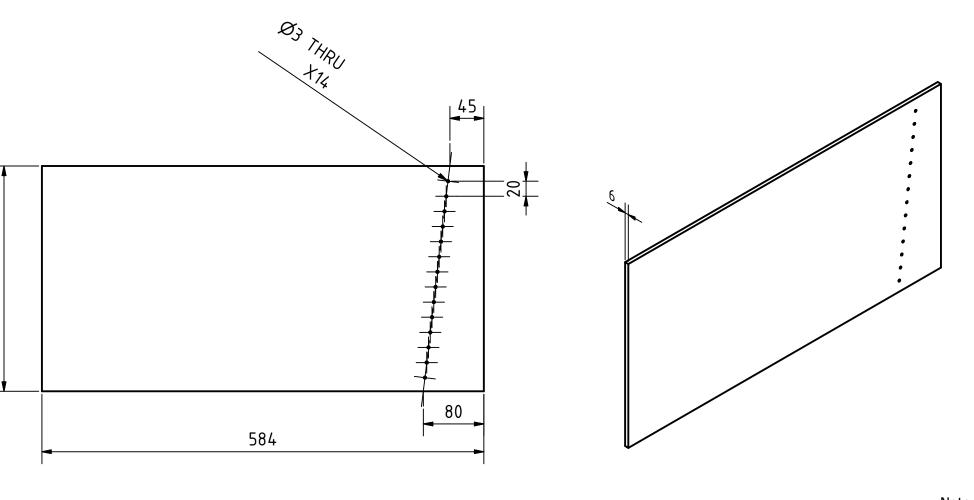




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CREATED BY	APPROVED BY		DATE	VERSION
D. RODRIGUEZ	A. MORILL	.0	19/10/2021	1.0
FILE NAME				POS
Swingle bar.ipt				4.4
IGNED BY	DOC. TYPE	MATERIAL		QUANTITY
	> Part	STEEL A	36	1
	LICENCE		SCALE	SHEET
	위			
	ÖCC-BY-SA	4.0	1:5	19 /22
	CREATED BY SD. RODRIGUEZ FILE NAME Swingle bar.ipt SIGNED BY	SD. RODRIGUEZ FILE NAME Swingle bar.ipt SIGNED BY DOC. TYPE Part LICENCE P	SD. RODRIGUEZ FILE NAME Swingle bar.ipt SIGNED BY DOC. TYPE MATERIAL Part STEEL A	CREATED BY APPROVED BY DATE 19/10/2021 FILE NAME Swingle bar.ipt DOC. TYPE MATERIAL Part UICENCE PART SCALE O O DATE 19/10/2021



						<u>Note: all ι</u>	<u>ınıts ın r</u>
PR	OJECT	CREATED BY		APPROVED BY		DATE	VERSION
W	innower made of wooden par	D. RODRIGUEZ		A. MORILL	.0	19/10/2021	1.0
PA	RT NAME	FILE NAME				-	POS
Tr	ray2	Tray2.ipt					6.0
DE	VELOPED BY REDE	SIGNED BY		DOC. TYPE	MATERIAL		QUANTIT
			>	Part	PLYWOO)D	1
			ė.	LICENCE		SCALE	SHEET
			읻				
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PROJECT	CREATED BY		APPROVED BY		DATE	VERSION
Winnower made of wooden p	arts D. RODRIGUEZ		A. MORILL	0	19/10/2021	1.0
PART NAME	FILE NAME					POS
Funnel roof movable	Funnel roof movable Funnel roof movable.ipt					7.0
DEVELOPED BY RE	DESIGNED BY		DOC. TYPE	MATERIAL		QUANTIT
74		$\dot{>}$	Part	PLYWOO	D	1
		υ	LICENCE	•	SCALE	SHEET
		위				
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