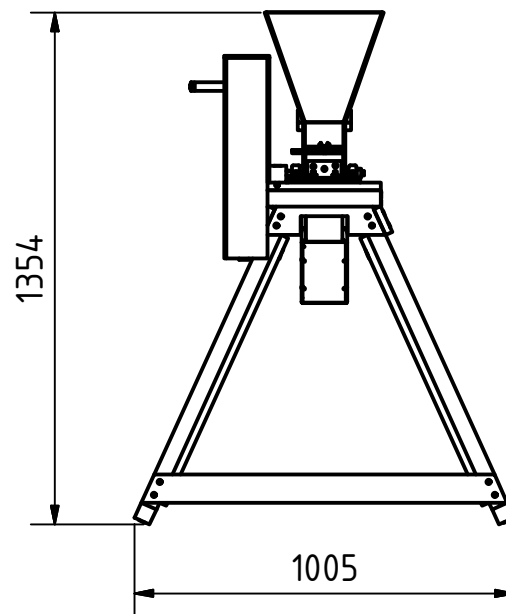
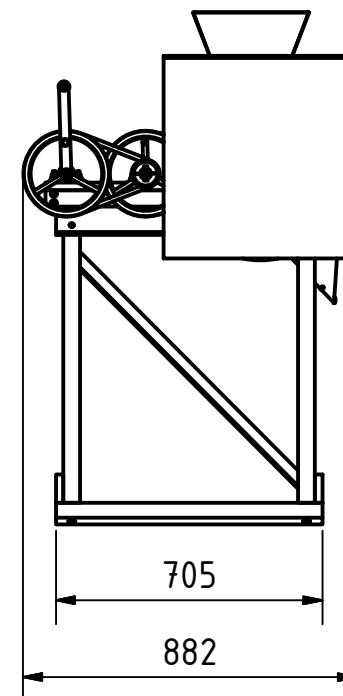


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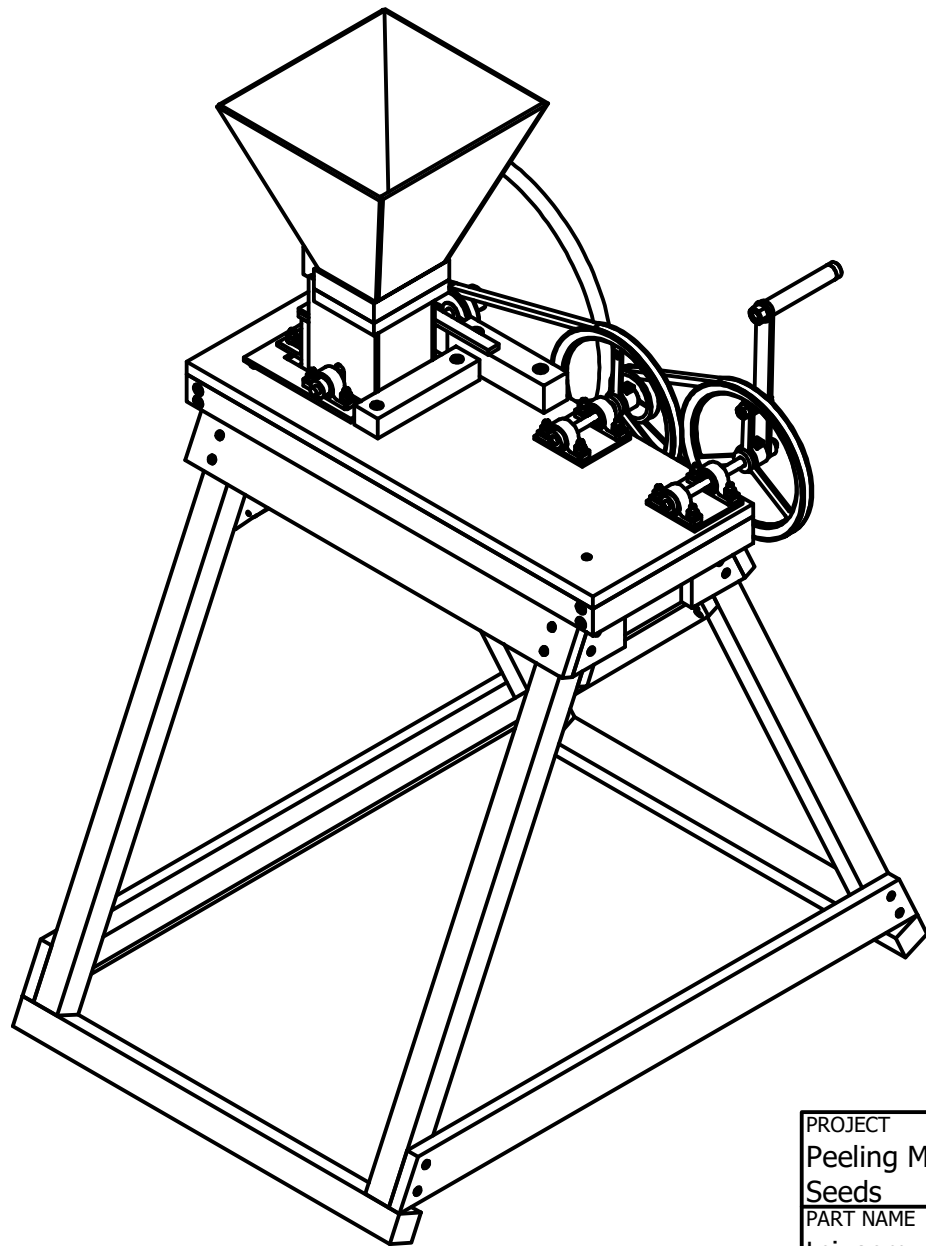


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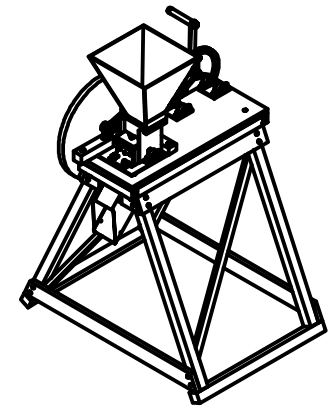


Note: All units in mm.

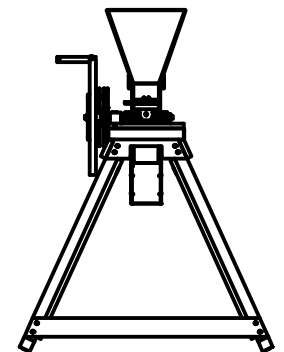
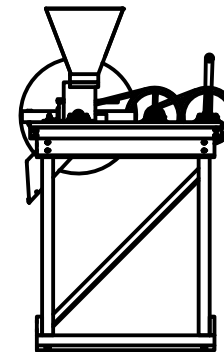
PROJECT Peeling Machine for Sunflower Seeds		CREATED BY L. Ruda		APPROVED BY A. Morillo	DATE 16/09/2021	VERSION 1.0
PART NAME 3d views		FILE NAME tpi_spm__sunflower-seeds-peeling-machine.iam				POS A1
DEVELOPED BY Tropical Products Institute		REDESIGNED BY OHO e.V.		DOC. TYPE Assembly	MATERIAL	QUANTITY 1
				LICENCE CC-BY-SA 4.0	SCALE 1:20	SHEET 1 /71



SCALE (1 : 10)



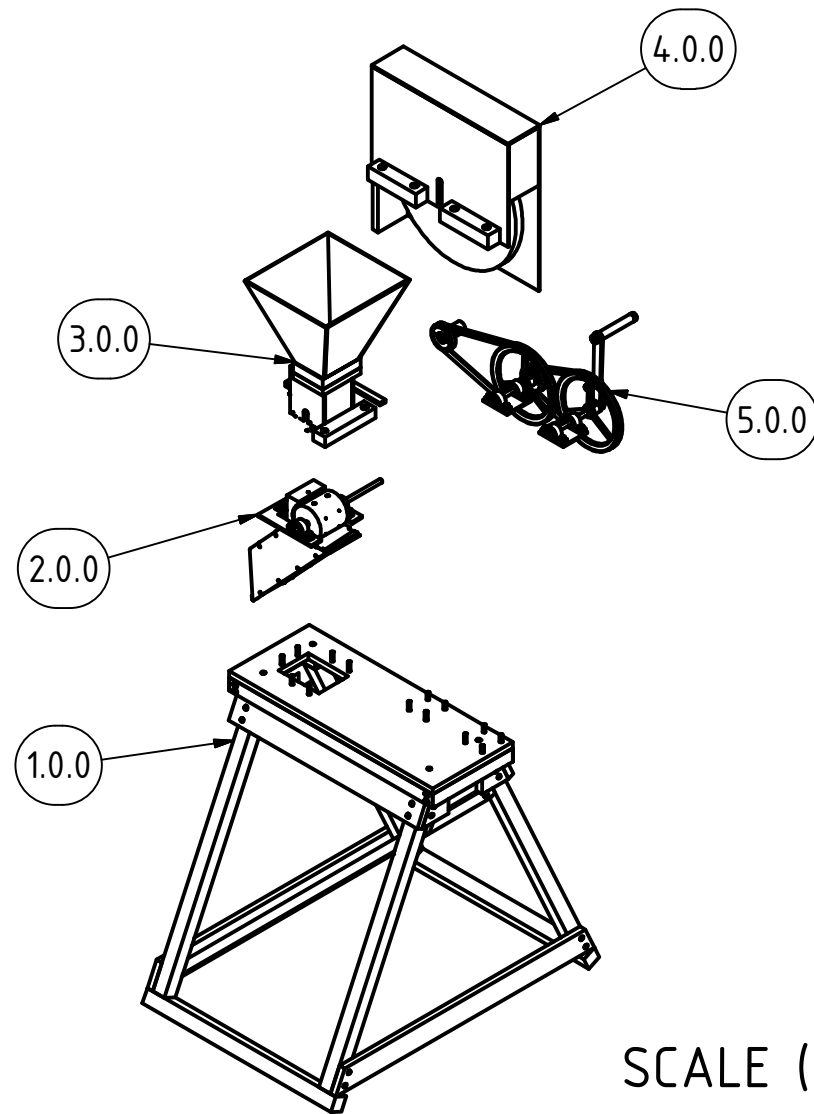
SCALE (1 : 30)



SCALE (1 : 30)

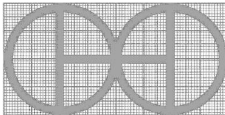
Note: All units in mm.

PROJECT Peeling Machine for Sunflower Seeds		CREATED BY L. Ruda		APPROVED BY A. Morillo	DATE 16/09/2021	VERSION 1.0
PART NAME tpi_spm__sunflower-seeds-peeling-machine 2		FILE NAME tpi_spm__sunflower-seeds-peeling-machine 2.iam				POS A1
DEVELOPED BY Tropical Products Institute		REDESIGNED BY OHO e.V.		DOC. TYPE Assembly	MATERIAL	QUANTITY 1
				LICENCE CC-BY-SA 4.0	SCALE 1:10	SHEET 2 /71

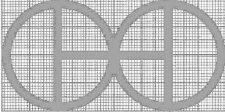


PROJECT Peeling Machine for Sunflower Seeds		CREATED BY L. Ruda		APPROVED BY A. Morillo	DATE 16/09/2021	VERSION 1.0
PART NAME Exploded 3d view		FILE NAME tpi_spm__sunflower-seeds-peeling-machine.ipn				POS A2
DEVELOPED BY Tropical Products Institute		REDESIGNED BY OHO e.V.		DOC. TYPE Assembly	MATERIAL	QUANTITY 1
				LICENCE CC-BY-SA 4.0		SHEET 3 /71

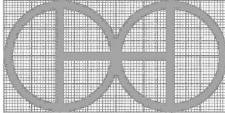
Parts list						
POS	QTY	PART NAME	FILE NAME	PART TYPE	SPECIFICATIONS	SHEET
A1	1	3d views				1
A1	1	3d views				2
A2		Exploded 3d view				3
B1		Parts list				4
B2		Parts list				5
B3		Parts list				6
B4		Parts list				7
C1		Technical notes				8
C2		Technical notes				9
1.0.0	1	Frame assembly	Frame assembly.iam			10
1.1.0	1	Frame	Frame.ipn			11
1.1.1	4	Leg	Leg.ipt	Production	44mm x 44mm Kiln dried wood	12
1.1.2	2	Top cross rail	Top cross rail.ipt	Production	75mm x 20mm Kiln dried wood	13
1.1.3	2	Top side rail	Top side rail.ipt	Production	75mm x 20mm x 320mm PlayWood	14
1.1.4	2	Bottom side rail	Bottom side rail.ipt	Production	44mm x 44mm Kiln dried wood	15
1.1.5	2	Diagonal side rail	Diagonal side rail.ipt	Production	44mm x 22mm Kiln dried wood	16
1.1.6	2	Foot	Foot.ipt	Production	75mm x 20mm Kiln dried wood	17
1.1.7	12	Wood screw		Standard	9.5mm x 2.1mm x 60mm long	
1.1.8	24	Wood screw		Standard	9.5mm x 2.1mm x 40mm long	
1.1.9	2	Top	Top.ipt	Production	26mm x 40mm Kiln dried wood	18
1.2.0	1	Table top	Table top.ipn			19
1.2.1	1	Table top	Table top.ipt	Production	750mm x 300mm x 20mm Play Wood	20
1.2.2	2	Table side A	Table side A.ipt	Production	44mm x 4mm Kiln dried wood	21
1.2.3	2	Table side B	Table side B.ipt	Production	44mm x 44mm Kiln dried wood	22
1.2.4	8	Wood screw		Standard	8mm x 2.1mm x 45mm long	
1.2.5	1	M10 screw hexagon head		Standard	M8 x 40mm long hexagon head	
1.2.6	1	M10 screw hexagon head		Standard	M8 x 80mm long hexagon head	
2.0.0	1	Rotor and stator assembly	Rotor and stator assembly.iam			23
2.1.0	1	Rotor	Rotor.ipn			24
2.1.1	1	Drum	Drum.ipt	Production	100mm x 100mm Od. Steel A36	25
2.1.2	1	Bed plate	Bed plate.ipt	Production	100mm x 10mm x 1.5mm sheet plate Steel A53	26

PROJECT Peeling Machine for Sunflower Seeds		CREATED BY L. Ruda	APPROVED BY A. Morillo	DATE 16/09/2021	VERSION 1.0
PART NAME Parts list		FILE NAME tpi_spm__sunflower-seeds-peeling-machine			POS B1
DEVELOPED BY Tropical Products Institute	REDESIGNED BY 		DOC. TYPE Parts list	MATERIAL	QUANTITY
	OHO e.V.		LICENCE CC-BY-SA 4.0	SCALE	SHEET 4 /71

Parts list						
POS	QTY	PART NAME	FILE NAME	PART TYPE	SPECIFICATIONS	SHEET
2.1.3	1	Shaft	Shaft.ipt	Production	330mm x 12mm Dia Steel A36	27
2.1.4	12	M3 screw CSK HEAD		Standard	M3 x 8mm long. screw CSK HEAD	
2.2.0	1	Stator quadrant	Stator quadrant			28
2.2.1	1	Body	Body.ipt	Production	125mm x 100mm x 44mm Kiln dried wood	29
2.2.2	3	Blade	Blade.ipt	Production	100mm x 10mm x 15mm sheet Steel A53	30
2.2.3	8	Wood screw		Standard	M6 x 18mm long CSK HEAD	
2.2.4	12	Screw		Standard	M3 x 8mm long. screw CSK HEAD	
2.3.0	1	Angle bracket	Frame0001.ipn			31
2.3.1	1	L 2 x 2	ANSI L 2 x 2 x 1_4 00000001.ipt	Production	50mm x 50mm x 6mm thick Steel A36	32
2.4.0	2	Berings		Standard	Plain berings pillow blocks , 12mm bore	
2.5.0	1	Chute	Chute.ipn			33
2.5.1	1	Chute PA	Part6.ipt	Production	1,5mm thick Aluminium alloy	34
2.5.2	12	3.2_POP_RIVET		Standard	Rivet 5mm x (3") 8mm long	
2.5.3	1	Chute PB	Part5.ipt	Production	1,5mm thick Aluminium alloy	35
2.5.4	2	Chute PC	Part2.ipt	Production	1,5mm thick Aluminium alloy	36
3.0.0	1	Feed Hooper	Feed Hooper.ipn			37
3.1.0	1	Hooper	Hooper.ipt	Production	1500mm x 300mm x 5mm Kiln dried wood	38
3.1.1	4	Upper hop support	Upper hop support.ipt	Production	32mm x 32mm Kiln dried wood	39
3.1.2	3	Lower hop support	Lower hop support.ipt	Production	112mm x 100mm Kiln dried wood	40
3.1.3	4	Wood screw		Standard	8mm x 2.1mm x 50mm CSK HEAD	
3.1.4	1	Chute	Chute.ipt	Production	102mm x 5mm Kiln dried wood	41
3.1.5	1	Deflector	Deflector.ipt	Production	15mm stickness Kiln dried wood	42
3.1.6	1	Foot1	Foot1.ipt	Production	44mm x 44mm Kiln dried wood	43
3.1.7	1	Hooper1	Hooper1.ipt	Production	15mm stickness Hardwood	44
3.1.8	2	Hooper2A	Hooper2A.ipt	Production	15mm stickness Hardwood	45
3.1.9	2	Hooper	Hooper.ipt	Production	15mm stickness Hardwood	46
3.1.10	2	Hooper2B	Hooper2B.ipt	Production	15mm stickness Hardwood	47
3.2.0	1	Shutter	Shutter.ipn			48
3.2.1	1	Arm	Arm.ipt	Production	8mm stickness Kiln dried wood	49
3.2.2	1	Shutter	Shutter.ipt	Production	5mm stickness Kiln dried wood	50
4.0.0	1	Flywheel assembly	Flywheel assembly.ipn			51

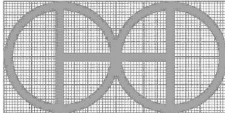
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		<div> <div>POS</div> <div>B2</div> </div>			
		<div>REDESIGNED BY</div> <div>  </div> <div>OHO e.V.</div>	<div>DOC. TYPE</div> <div>Parts list</div> <div>LICENCE</div> <div>CC-BY-SA 4.0</div>	<div>MATERIAL</div> <div>SCALE</div>	<div>QUANTITY</div> <div>SHEET</div> <div>5 /71</div>

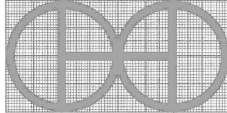
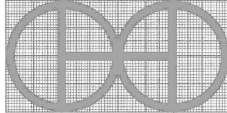
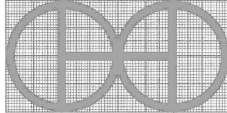
Parts list						
POS	QTY	PART NAME	FILE NAME	PART TYPE	SPECIFICATIONS	SHEET
4.1.0	1	Flywheel	Flywheel.ipt	Production	25mm stickness Kiln dried wood	52
4.2.0	2	Drive plate	Drive plate.ipt	Production	180mm x 180mm x 6mm sheet Steel A53	53
4.3.0	1	Boss	Boss.ipt	Production	30mm Od. rod Steel A36	54
4.4.0	1	M6 grub screw		Standard	M6 x 10mm long	
4.5.0	4	Wood screw		Standard	4.8mm x 1.6mm x 25mm	
4.6.0	1	Cover	Cover.ipn			55
4.6.1	1	Back	Back.ipt	Production	5mm thick blockboard Wood	56
4.6.2	1	Top	Top1.ipt	Production	5mm thick blockboard Wood	57
4.6.3	1	Front	Front.ipt	Production	5mm thick Plywood	58
4.6.4	1	L.H side	L.H side.ipt	Production	530mm x 130mm x 20mm Planed Wood	59
4.6.5	1	R.Hside	R.Hside.ipt	Production	120mm x 188mm x 5mm Wood	60
4.6.7	2	Block	Block.ipt	Production	44mm x 44mm x 180mm planed Wood	61
4.6.8	30	Nail		Buy	9.5mm x 2.1mm x 60mm Steel	
5.0.0	1	Drive handle assembly	Drive handle assembly.ipn			62
5.1.0	1	Handle for drive pully	Handle for drive pully.ipn			63
5.1.1	1	Main shaft	Main shaft.ipt	Production	20mm dia, rod Steel A53	64
5.1.2	1	Tube dia, 22 x 0,8 wall	Tube dia, 22 x 0,8 wall.ipt	Production	22mm Od. tube 0,8mm wall thick Brass	65
5.1.3	1	Back stop	Back stop.ipt	Production	25 dia. Steel rod A53	66
5.1.4	1	M6 socket HD		Standard	M6 x 16mm long	
5.2.0	1	Spacer	Spacer.ipt	Production	10mm Od.rod Steel A53	67
5.3.0	1	Arm	Arm1.ipt	Production	sheet 6mm stickness Steel A53	68
5.4.0	1	Collar dia. 12 bore	Collar dia. 12 bore.ipt	Production	25mm Od. x 12mm Wide Steel A53	69
5.5.0	1	M10 screw hexagon head		Standard	M10 x 45mm long hexagon head	
5.6.0	1	M10 nut		Standard	M10 nut Type 5	
5.7.0	1	M12 washer		Standard	M8 washer Type 5	
5.8.0	2	Pulleys 75		Buy	75mm Od X 12mm bore v belt pulley Steel A53	
5.9.0	2	Pulleys 230		Buy	230mm Od X 12mm bore v belt pulley Steel A53	
5.10.0	4	Berings		Standard	Plain bering pilow blocks 12mm bore	
5.11.0	2	Shafts	Shafts.ipt	Production	160mm Od x 12mm rod Steel A53	70
5.12.0	4	Collars	Collar dia. 12 bore.ipt	Production	25mm Od x 12mm wire x 12mm bore Steel A53	71

PROJECT		CREATED BY	APPROVED BY	DATE	VERSION
Peeling Machine for Sunflower Seeds		L. Ruda	A. Morillo	16/09/2021	1.0
PART NAME		FILE NAME			POS
Parts list		tpi_spm__sunflower-seeds-peeling-machine			B3
DEVELOPED BY		REDESIGNED BY	DOC. TYPE	MATERIAL	QUANTITY
			Parts list		
			LICENCE	SCALE	SHEET
Tropical Products Institute		OHO e.V.	CC-BY-SA 4.0		6 /71

Parts list						
POS	QTY	PART NAME	FILE NAME	PART TYPE	SPECIFICATIONS	SHEET
5.13.0	2	Belts		Buy	Sufficient to drive assembly 12.8mmx 12.7mm x 927mm-1110mm long.	



PROJECT Peeling Machine for Sunflower Seeds		CREATED BY L. Ruda		APPROVED BY A. Morillo		DATE 16/09/2021	VERSION 1.0
PART NAME Parts list		FILE NAME tpi_spm__sunflower-seeds_peeling-machine					POS B4
DEVELOPED BY Tropical Products Institute		REDESIGNED BY  OHO e.V.		DOC. TYPE Parts list	MATERIAL		QUANTITY
				LICENCE CC-BY-SA 4.0			SCALE

TECHNICAL NOTES																																									
NOTES	CONTENT																																								
GENERAL NOTES																																									
Metal structure treatment	Iron structures should be painted to prevent rust and improve equipment life. - Remove loose rust with a wire brush, sandpaper or chemical rust remover. - If applicable, sand areas where paint is chipping until surface is smooth. - Remove dust or oil with a degreaser or denatured alcohol. - Prime surface to protect against rust and corrosion																																								
Wood treatment	- The wood must be treated with pesticides and kiln-dried to ensure adequate humidity. - Wood sealer should be applied for later use.																																								
Parts to buy	- wood screw ANSI B18.6.5M - 9.5x2.1 x 60 long Steel. - Wood screw ANSI B18.6.5M - 9.5x2.1 x 40 long Steel. - wood screw ANSI B18.6.5M - 8x2.1 x 45 long, Steel. - Screw hexagon head AS 1420 - 1973 - M8 x 40 long. Steel. - Screw hexagon head AS 1420 - 1973 - M8 x 45 long. Steel. - M3 screw CSK HEAD DIN 963 - M3 x 8 long. Steel. - Wood screw CSN 02 1174 - A M6 x 18 long. Steel. - Berings 2031N210 Plain berings pillow blocks , 12 bore. - Rivet GB T 871-1986 2.5 X (3") 8mm long. - Wood screw ANSI B18.6.5M - 8x2.1 x 50 long. Steel. - Wood screw ANSI B18.6.5M - 9.5x2.1 x 60 long Steel. - Wood screw ANSI B18.6.5M - 9.5x2.1 x 40 long Steel. - Wood screw ANSI B18.6.5M - 8x2.1 x 45 long, Steel. - Screw hexagon head AS 1420 - 1973 - M8 x 40 long. Steel. - Screw hexagon head AS 1420 - 1973 - M8 x 45 long. Steel. - M3 screw CSK HEAD DIN 963 - M3 x 8 long. Steel. - Wood screw CSN 02 1174 - A M6 x 18 long. Steel. - Berings 2031N210 Plain berings pillow blocks , 12 bore. - Rivet GB T 871-1986 2.5 X (3") 8mm long. - Wood screw ANSI B18.6.5M - 8x2.1 x 50 long. Steel. - Grub screw DIN 913 - M6 x 10 long. Steel.																																								
...	...																																								
<table><tr><td colspan="2">PROJECT Peeling Machine for Sunflower Seeds</td><td colspan="2">CREATED BY L. Ruda</td><td colspan="2">APPROVED BY A. Morillo</td><td colspan="2">DATE 16/09/2021</td><td colspan="2">VERSION 1.0</td></tr><tr><td colspan="2">PART NAME Technical notes</td><td colspan="6">FILE NAME tpi_spm__sunflower-seeds-peeling-machine</td><td colspan="2">POS C1</td></tr><tr><td colspan="2">DEVELOPED BY Tropical Products Institute</td><td colspan="2">REDESIGNED BY  OHO e.V.</td><td colspan="2">DOC. TYPE Technical notes</td><td colspan="2">MATERIAL</td><td colspan="2">QUANTITY</td></tr><tr><td colspan="2"></td><td colspan="2"></td><td colspan="2">LICENCE CC-BY-SA 4.0</td><td colspan="2">SCALE</td><td colspan="2">SHEET 8 /71</td></tr></table>		PROJECT Peeling Machine for Sunflower Seeds		CREATED BY L. Ruda		APPROVED BY A. Morillo		DATE 16/09/2021		VERSION 1.0		PART NAME Technical notes		FILE NAME tpi_spm__sunflower-seeds-peeling-machine						POS C1		DEVELOPED BY Tropical Products Institute		REDESIGNED BY  OHO e.V.		DOC. TYPE Technical notes		MATERIAL		QUANTITY						LICENCE CC-BY-SA 4.0		SCALE		SHEET 8 /71	
PROJECT Peeling Machine for Sunflower Seeds		CREATED BY L. Ruda		APPROVED BY A. Morillo		DATE 16/09/2021		VERSION 1.0																																	
PART NAME Technical notes		FILE NAME tpi_spm__sunflower-seeds-peeling-machine						POS C1																																	
DEVELOPED BY Tropical Products Institute		REDESIGNED BY  OHO e.V.		DOC. TYPE Technical notes		MATERIAL		QUANTITY																																	
				LICENCE CC-BY-SA 4.0		SCALE		SHEET 8 /71																																	

NOTES		TECHNICAL NOTES				
GENERAL NOTES						
Parts to buy		<ul style="list-style-type: none"> - Wood screw ANSI B18.6.5M - 4.8x1.6 x 25 long. Steel. - Socket HD AS 1420 - 1973 - M6 x 16 long. Steel. - Screw hexagon head AS 1110 - M10 x 45 Steel. - Nut (lock)AS 1112 - M8 Type 5 Steel A53. - Nut AS 1112 - M10 Type 5 Steel. - Washer AS 1112 - M8 Type 5 Steel. - Washer AS 1112 - M10 Type 5 Steel . - Pulleys 75 OD X 12 bore v belt pulley Steel. - Pulleys 230 OD X 12 bore v belt pulley Steel. - V-Belts. 				
...		...				

PROJECT

Peeling Machine for Sunflower Seeds

PART NAME

CREATED BY

L. Ruda

FILE NAME

APPROVED BY

A. Morillo

DATE

16/09/2021

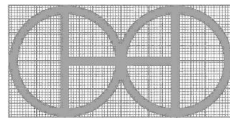
VERSION

1.0

DEVELOPED BY

Tropical Products Institute

REDESIGNED BY



OHO e.V.

DOC. TYPE

CC-BY-SA 4.0

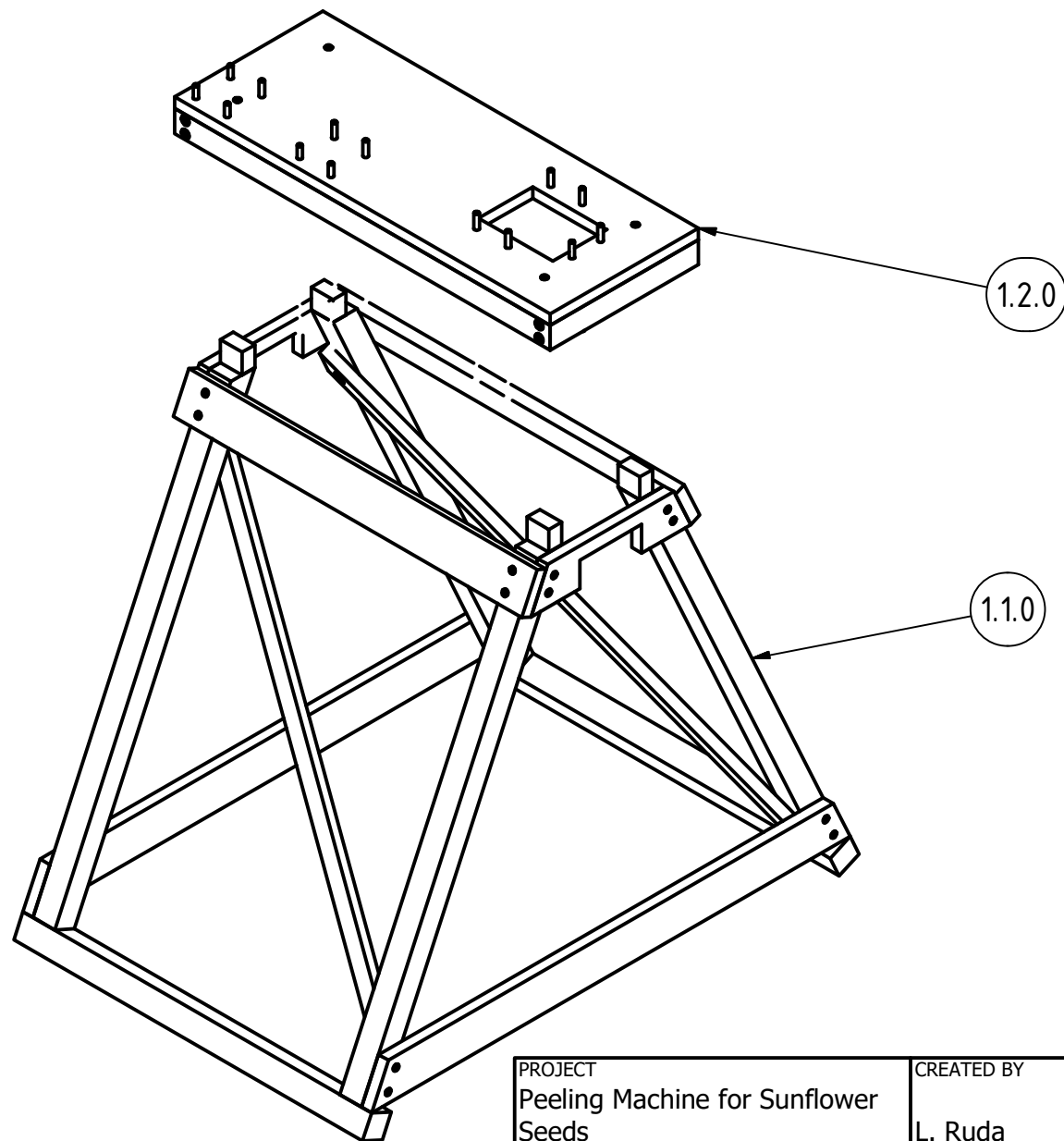
MATERIAL

SCALE

QUANTITY

SHEET

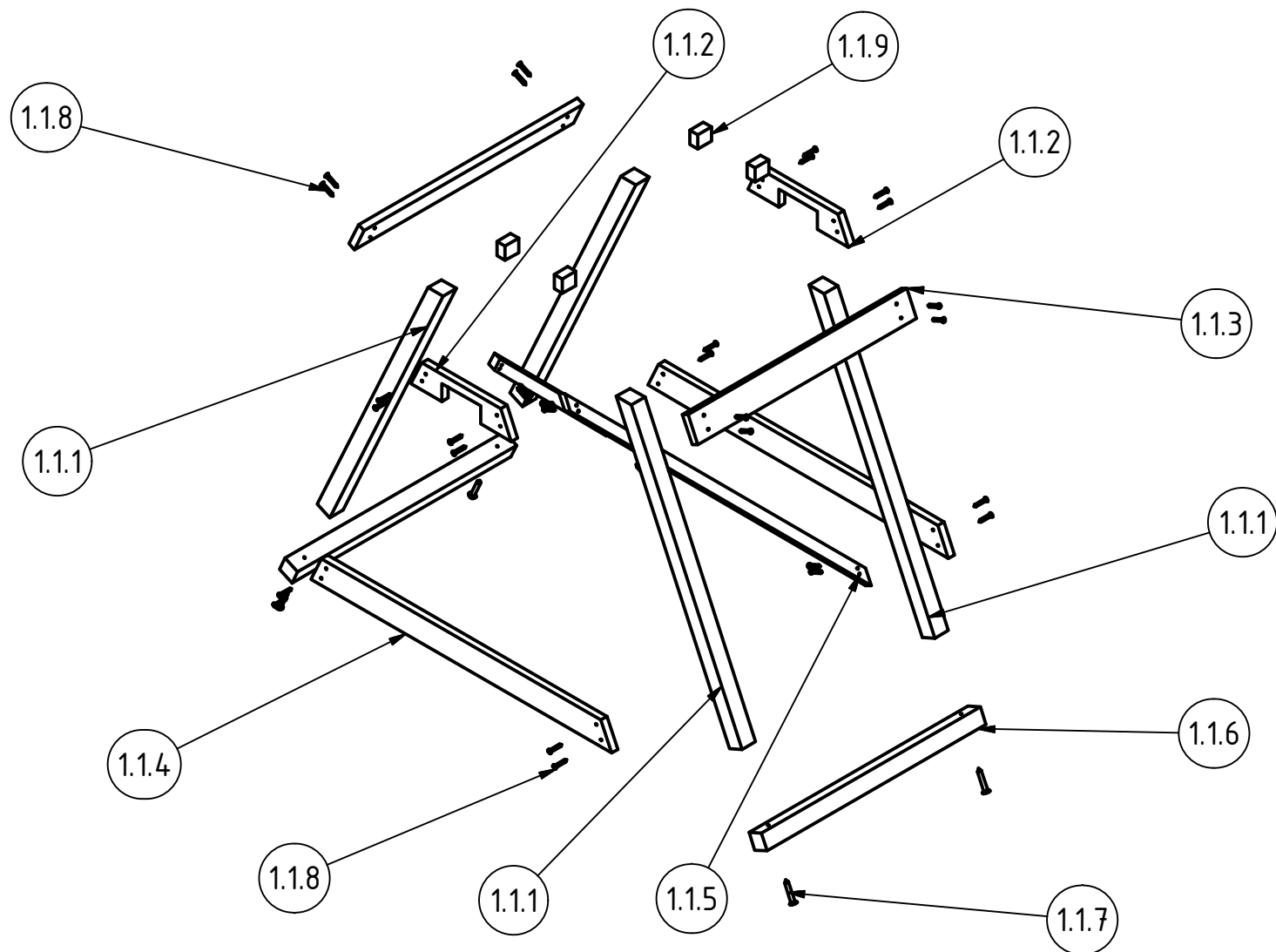
9 /71



SCALE (1 : 10)

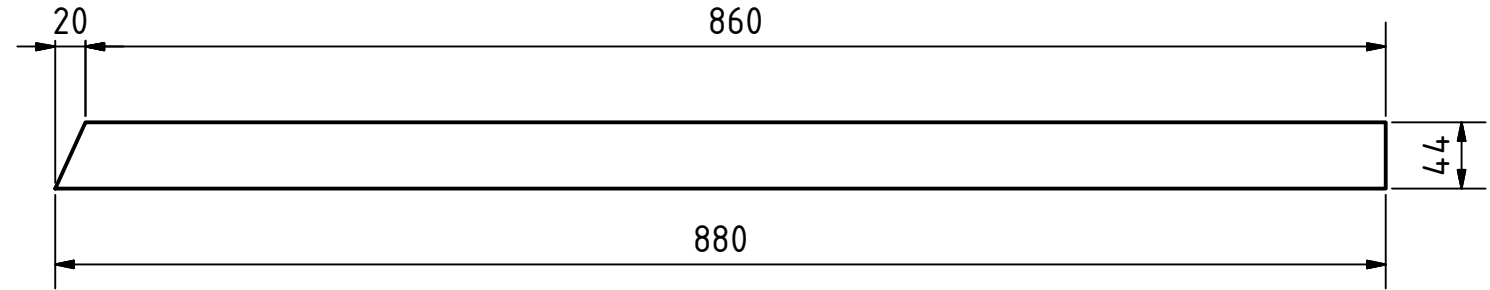
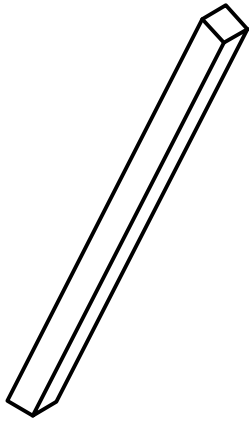
Note: All units in mm.

PROJECT Peeling Machine for Sunflower Seeds		CREATED BY L. Ruda	APPROVED BY A. Morillo	DATE 16/09/2021	VERSION 1.0
PART NAME Frame assembly		FILE NAME Frame assembly.ipn			POS 1.0.0
DEVELOPED BY Tropical Products Institute		REDESIGNED BY OHO e.V.		DOC. TYPE Assembly	MATERIAL 1
				LICENCE CC-BY-SA 4.0	SCALE 1:10
					SHEET 10 /71



SCALE (1 : 15)

PROJECT Peeling Machine for Sunflower Seeds		CREATED BY L. Ruda		APPROVED BY A. Morillo	DATE 16/09/2021	VERSION 1.0
PART NAME Frame		FILE NAME Frame.ipn				POS 1.1.0
DEVELOPED BY		REDESIGNED BY		DOC. TYPE Assembly	MATERIAL	QUANTITY 1
Tropical Products Institute		OHO e.V.		LICENCE CC-BY-SA 4.0	SCALE 1:15	SHEET 11 /71



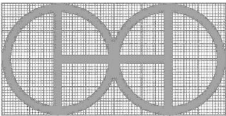
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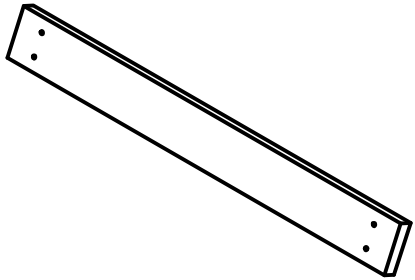


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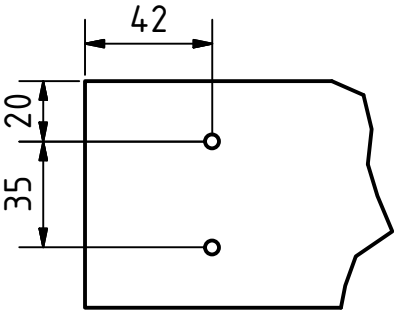
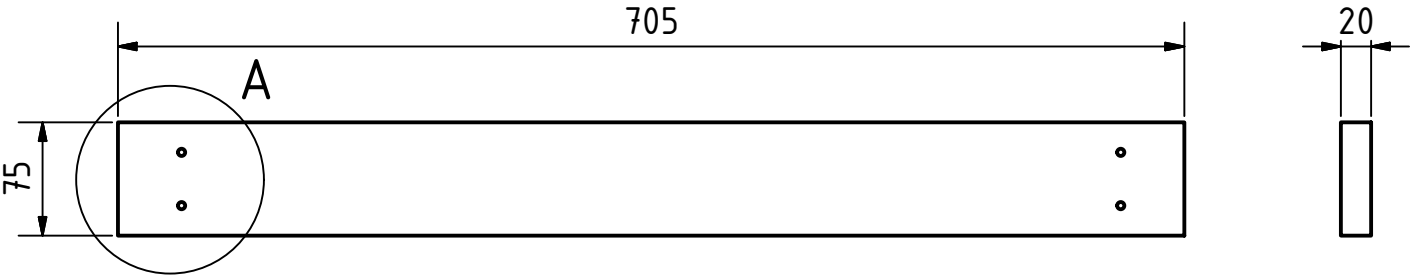
Note: All units in mm.

PROJECT Peeling Machine for Sunflower Seeds		CREATED BY L. Ruda		APPROVED BY A. Morillo	DATE 16/09/2021	VERSION 1.0
PART NAME Leg		FILE NAME Leg.ipt				POS 1.1.1
DEVELOPED BY		REDESIGNED BY		DOC. TYPE Part	MATERIAL Kiln dried wood	QUANTITY 4
Tropical Products Institute		OHO e.V.		LICENCE CC-BY-SA 4.0	SCALE 1:5	SHEET 12 /71

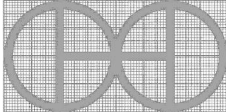




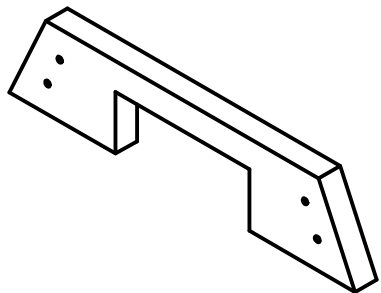
SCALE (1 : 10)



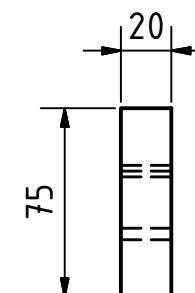
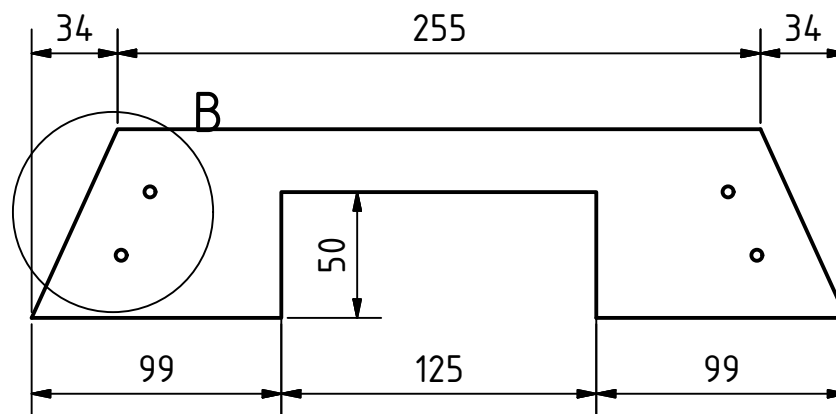
A (0,40 : 1)

klin dried pine wood							
PROJECT		CREATED BY		APPROVED BY		DATE	VERSION
Peeling Machine for Sunflower Seeds		L. Ruda		A. Morillo		16/09/2021	1.0
PART NAME		FILE NAME					POS
Top cross rail		Top cross rail.ipt					1.1.2
DEVELOPED BY		REDESIGNED BY		DOC. TYPE	MATERIAL		QUANTITY
				Part	Kiln dried wood		2
				LICENCE		SCALE	SHEET
Tropical Products Institute		OHO e.V.		CC-BY-SA 4.0		1:10	13 /71

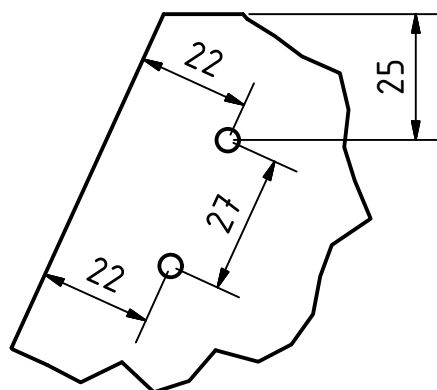
klin dried pine wood



SCALE (1 : 5)

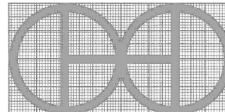


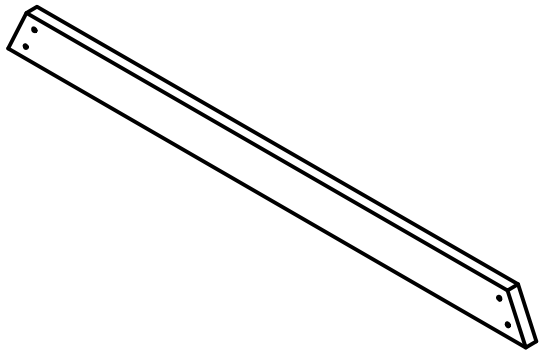
SCALE 1 : 3)



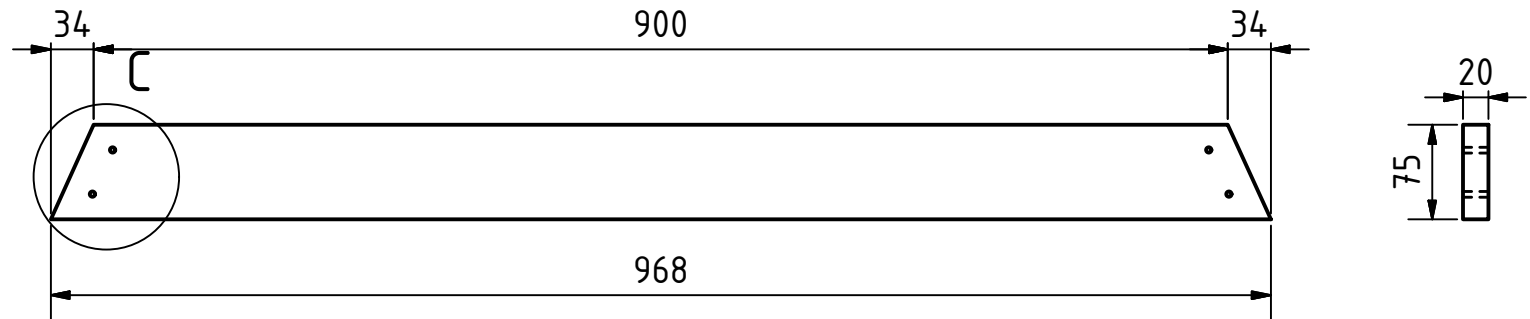
B (2 : 3)

Note: All units in mm.

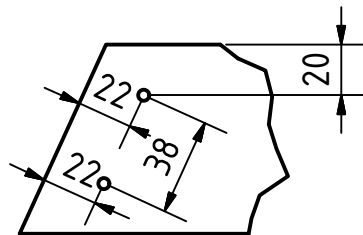
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Peeling Machine for Sunflower Seeds	L. Ruda	A. Morillo	16/09/2021	1.0
PART NAME	FILE NAME			POS
Top side rail	Top side rail.ipt			1.1.3
DEVELOPED BY	REDESIGNED BY	DOC. TYPE	MATERIAL	QUANTITY
		Part	Kiln dried wood	2
		LICENCE	SCALE	SHEET
Tropical Products Institute	OHO e.V.	CC-BY-SA 4.0	1:3	14 /71



SCALE (1 : 10)



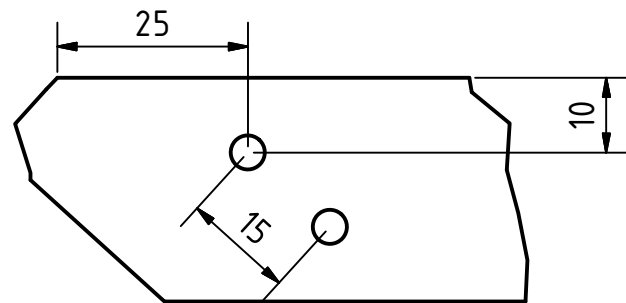
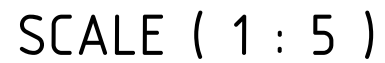
SCALE (1 : 6)



C (1 : 3)

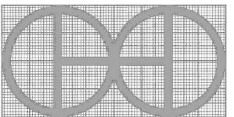
Note: All units in mm.

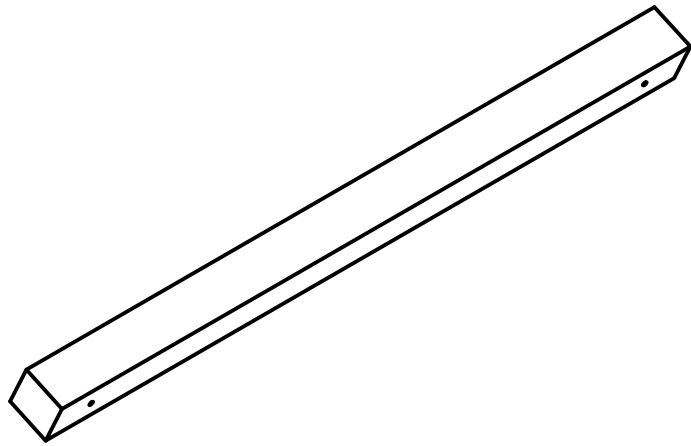
PROJECT Peeling Machine for Sunflower Seeds	CREATED BY L. Ruda	APPROVED BY A. Morillo	DATE 16/09/2021	VERSION 1.0
PART NAME Bottom side rail	FILE NAME Bottom side rail.ipt	POS 1.1.4		
DEVELOPED BY Tropical Products Institute	REDESIGNED BY OHO e.V.	DOC. TYPE Part	MATERIAL Kiln dried wood	QUANTITY 2
		LICENCE CC-BY-SA 4.0	SCALE 1:6	SHEET 15 /71



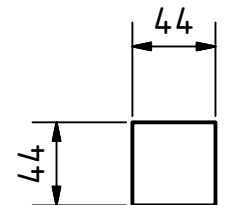
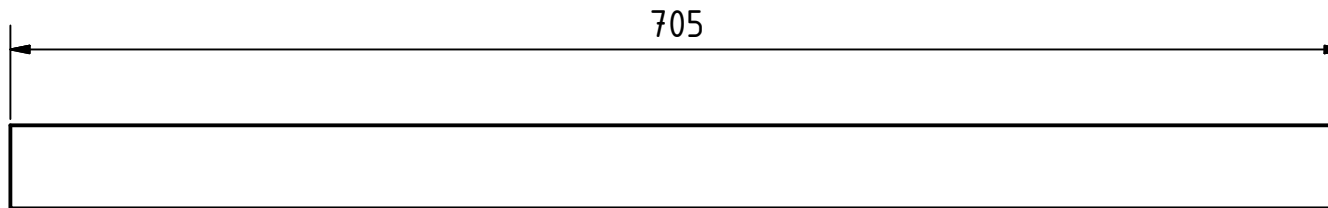
D (1 : 1)

SCALE (1 : 2)

PROJECT Peeling Machine for Sunflower Seeds		CREATED BY L. Ruda	APPROVED BY A. Morillo	DATE 16/09/2021	VERSION 1.0
PART NAME Diagonal side rail		FILE NAME Diagonal side rail.ipt			POS 1.1.5
DEVELOPED BY Tropical Products Institute	REDESIGNED BY 	DOC. TYPE Part	MATERIAL Kiln dried wood	QUANTITY 2	
		LICENCE CC-BY-SA 4.0	SCALE 1:2	SHEET 16 /71	

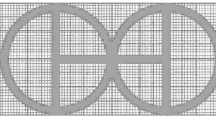


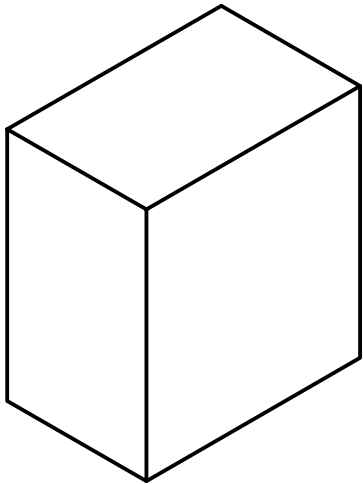
SCALE (1 : 6)



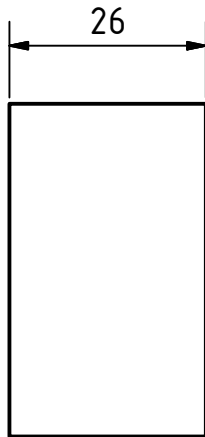
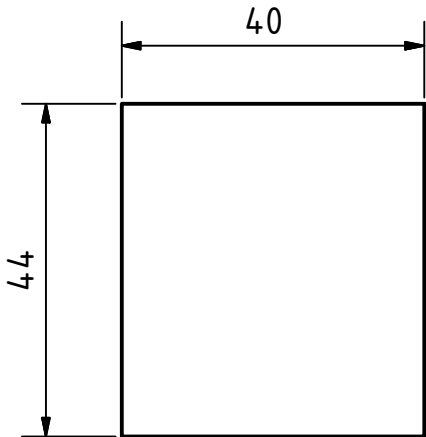
SCALE (1 : 4)

Note: All units in mm.

PROJECT Peeling Machine for Sunflower Seeds		CREATED BY L. Ruda	APPROVED BY A. Morillo	DATE 16/09/2021	VERSION 1.0
PART NAME Foot		FILE NAME Foot.ipt			POS 1.1.6
DEVELOPED BY Tropical Products Institute		REDESIGNED BY 	DOC. TYPE Part	MATERIAL Kiln dried wood	QUANTITY 2
OHO e.V.			LICENCE CC-BY-SA 4.0	SCALE 1:4	SHEET 17 /71

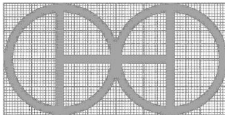


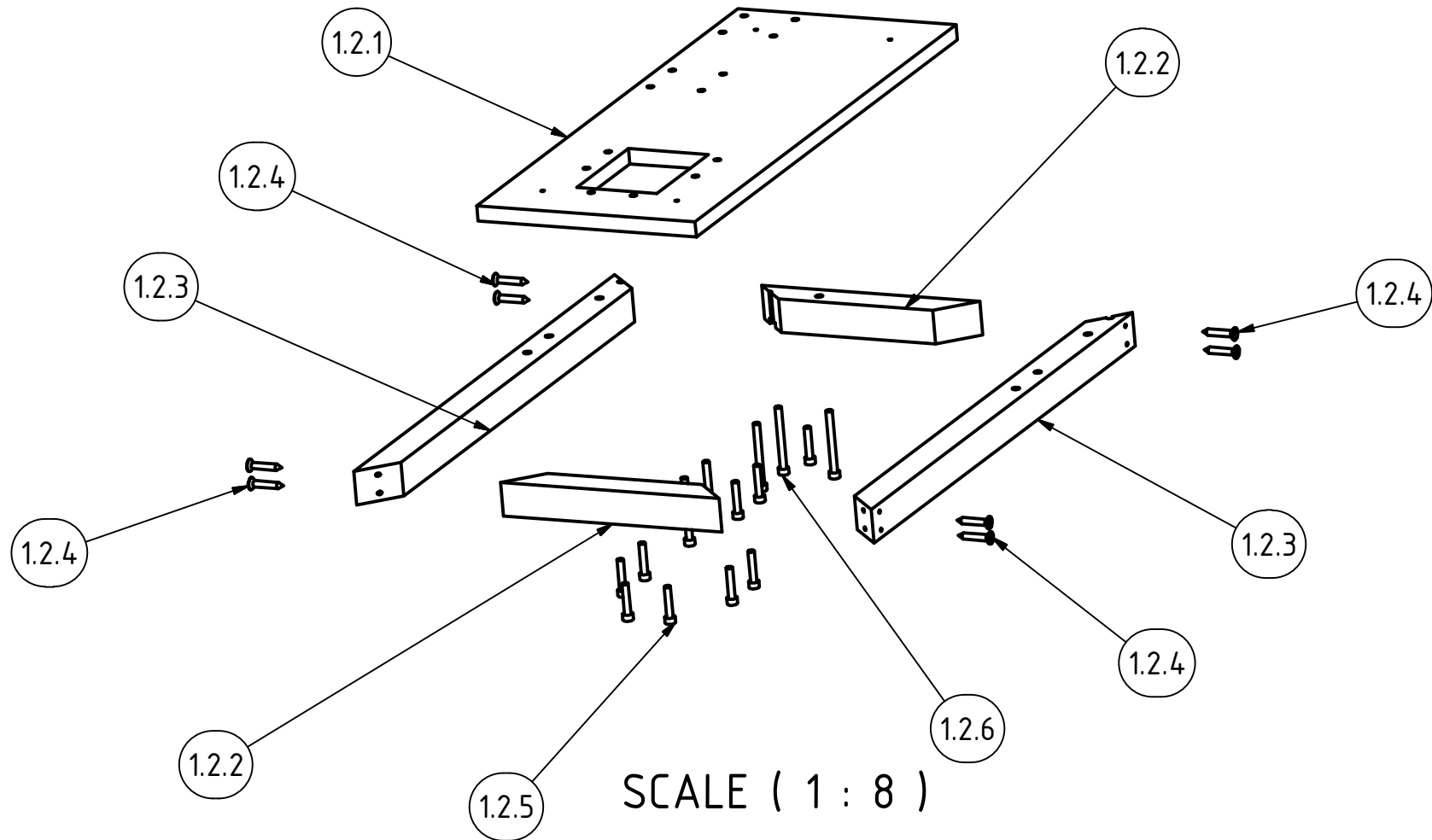
SCALE (1 : 1)



SCALE (1 : 1)

Note: All units in mm.

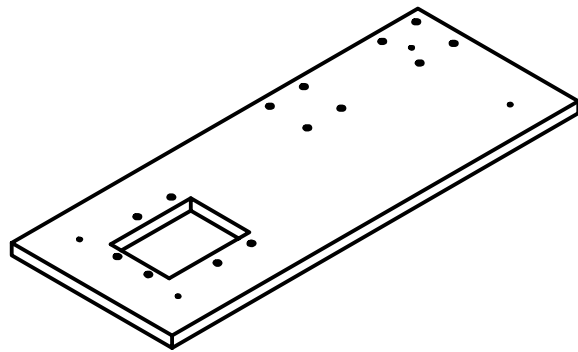
PROJECT Peeling Machine for Sunflower Seeds		CREATED BY L. Ruda		APPROVED BY A. Morillo		DATE 16/09/2021	VERSION 1.0
PART NAME Top		FILE NAME Top.ipt					POS 1.1.9
DEVELOPED BY Tropical Products Institute		REDESIGNED BY 		DOC. TYPE Part	MATERIAL Kiln dried wood		QUANTITY 4
				LICENCE CC-BY-SA 4.0		SCALE 1:1	SHEET 18 /71
OHO e.V.							



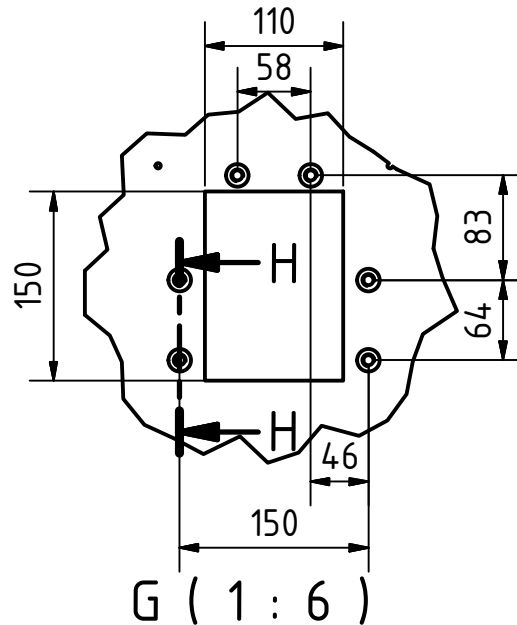
SCALE (1 : 8)

Note: All units in mm.

PROJECT Peeling Machine for Sunflower Seeds		CREATED BY L. Ruda		APPROVED BY A. Morillo	DATE 16/09/2021	VERSION 1.0
PART NAME Table top		FILE NAME Table top.ipn				POS 1.2.0
DEVELOPED BY Tropical Products Institute		REDESIGNED BY OHO e.V.		DOC. TYPE Assembly	MATERIAL	QUANTITY 1
				LICENCE CC-BY-SA 4.0	SCALE 1:8	SHEET 19 /71

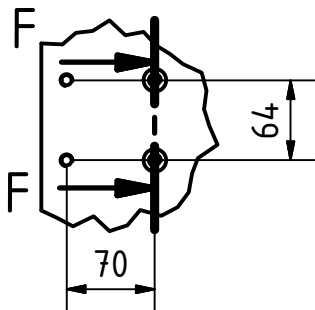


SCALE (1 : 10)



M10x1.5 - 6H
DIN 974 - Ø18,01 X 8,00

H-H (1 : 6)

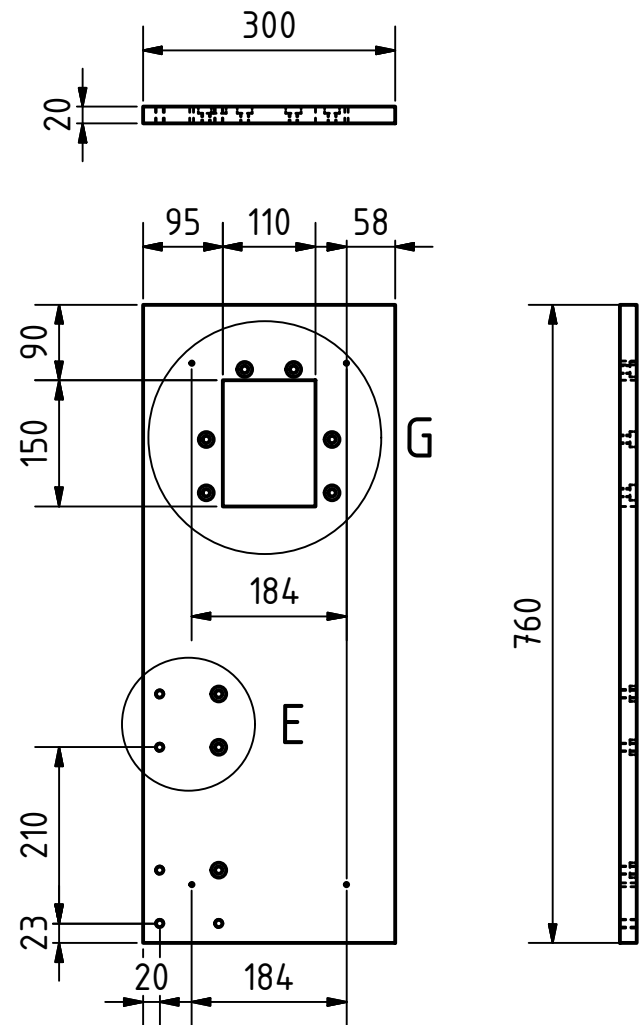


E (1 : 6)

F-F (1 : 6)



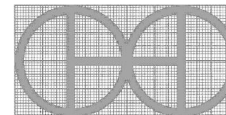
M10x1.5 - 6H
DIN 974 - Ø18,01 X 8,00

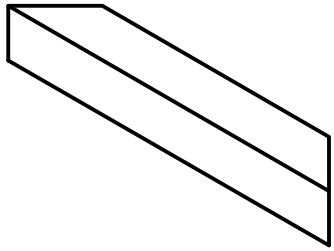


SCALE (1 : 9)

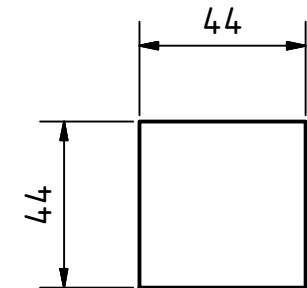
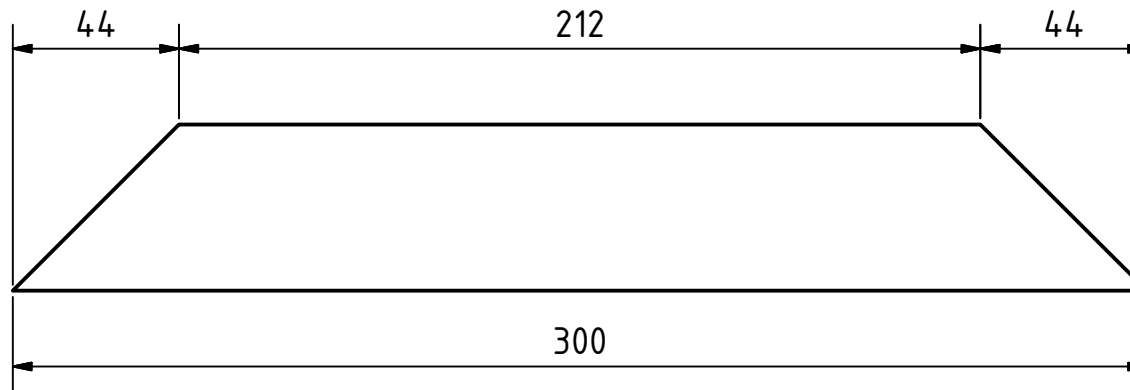
Note: All units in mm.

PROJECT Peeling Machine for Sunflower Seeds	CREATED BY L. Ruda	APPROVED BY A. Morillo	DATE 16/09/2021	VERSION 1.0
PART NAME Table top	FILE NAME Table top.ipt			POS 1.2.1
DEVELOPED BY	REDESIGNED BY	DOC. TYPE Part	MATERIAL Kiln dried wood	QUANTITY 1
		LICENCE CC-BY-SA 4.0	SCALE 1:10	SHEET 20 /71
Tropical Products Institute	OHO e.V.			





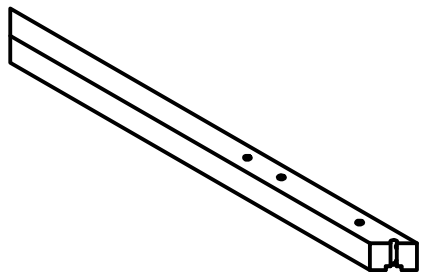
SCALE (1 : 5)



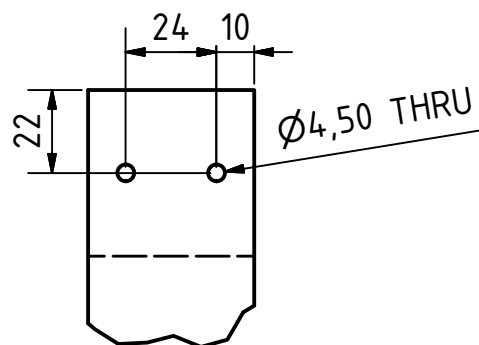
VIEW52 (1 : 2)

Note: All units in mm.

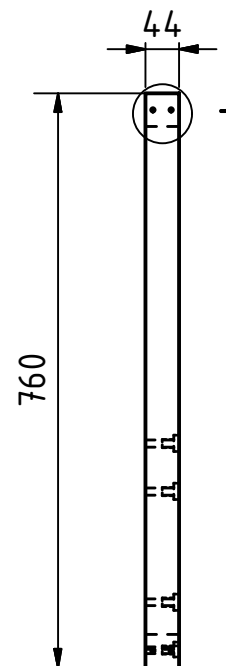
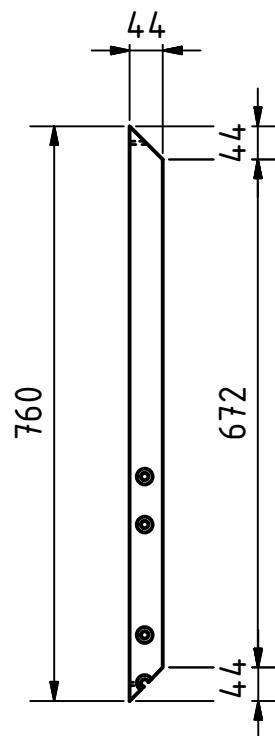
PROJECT Peeling Machine for Sunflower Seeds		CREATED BY L. Ruda		APPROVED BY A. Morillo	DATE 16/09/2021	VERSION 1.0
PART NAME Table side A		FILE NAME Table side A.ipt				POS 1.2.2
DEVELOPED BY		REDESIGNED BY		DOC. TYPE Part	MATERIAL Kiln dried wood	QUANTITY 2
Tropical Products Institute		OHO e.V.		LICENCE CC-BY-SA 4.0	SCALE 1:2	SHEET 21 /71



SCALE (1 : 10)



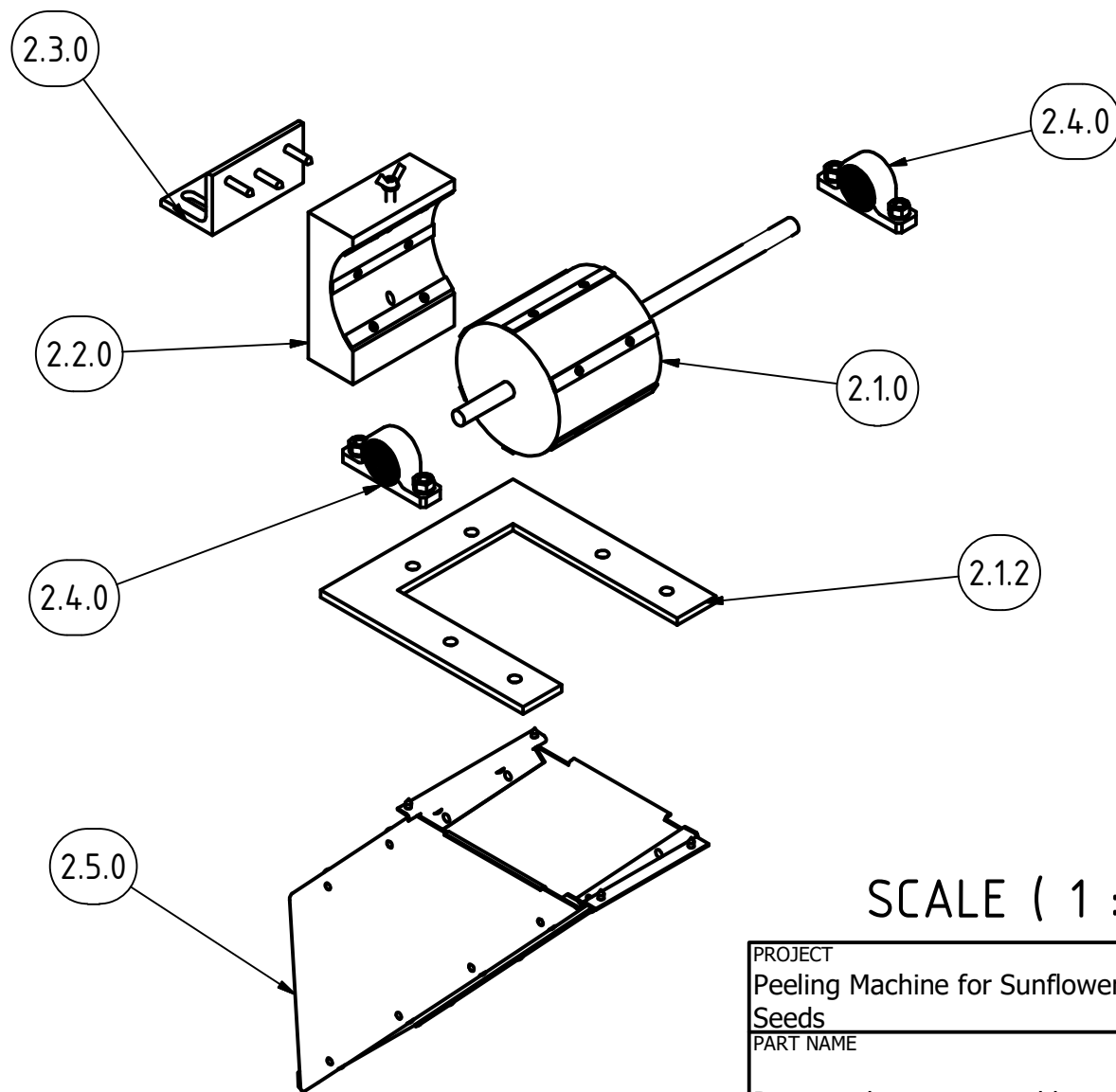
J (1 : 2)



SCALE (1 : 10)

Note: All units in mm. depends on the type and the location of the selected elements

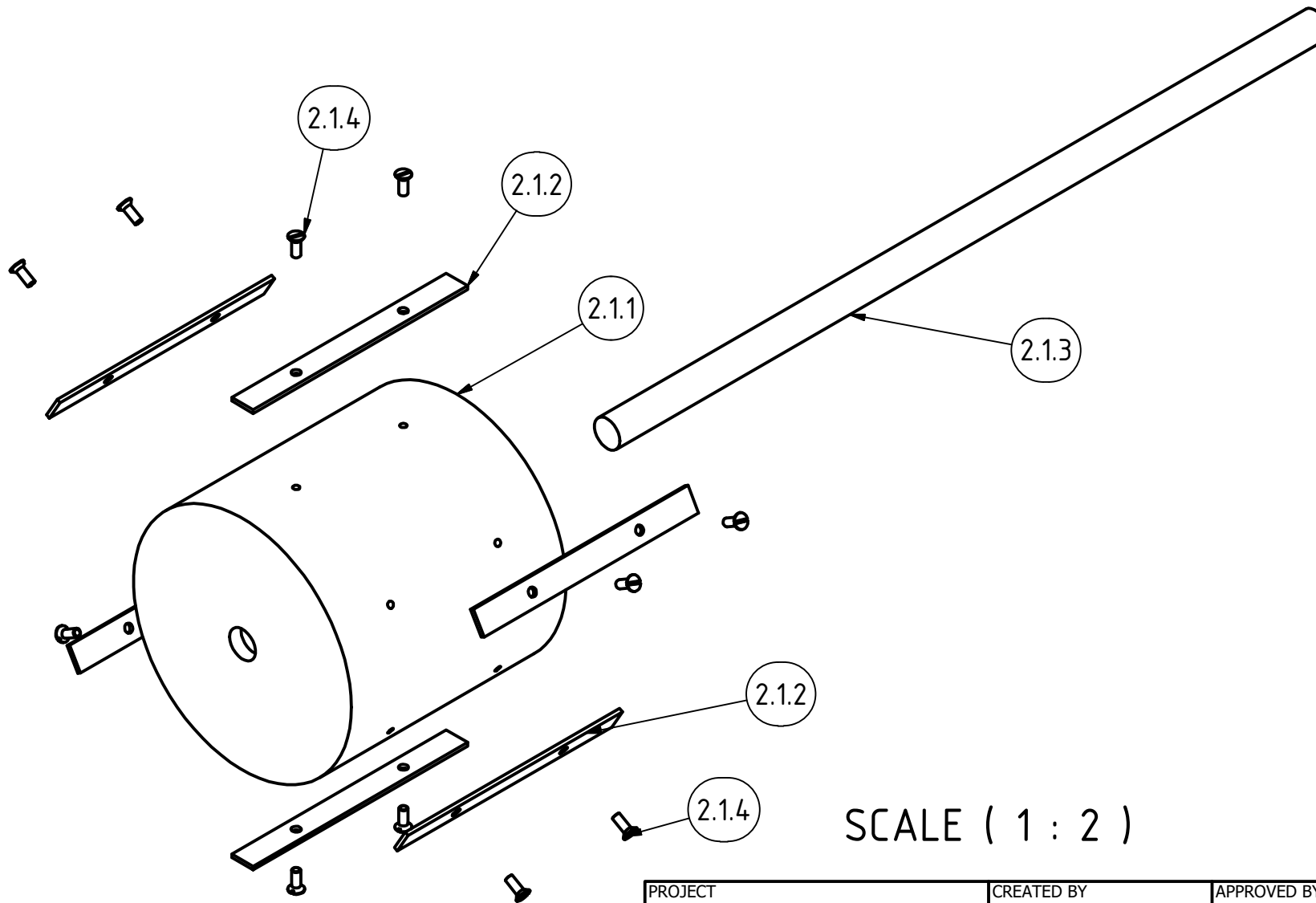
PROJECT Peeling Machine for Sunflower Seeds		CREATED BY L. Ruda		APPROVED BY A. Morillo	DATE 16/09/2021	VERSION 1.0
PART NAME Table side B		FILE NAME Table side B.ipt				POS 1.2.3
DEVELOPED BY Tropical Products Institute		REDESIGNED BY OHO e.V.		DOC. TYPE Part	MATERIAL Kiln dried wood	QUANTITY 2
				LICENCE CC-BY-SA 4.0	SCALE 1:10	SHEET 22 /71



SCALE (1 : 5)

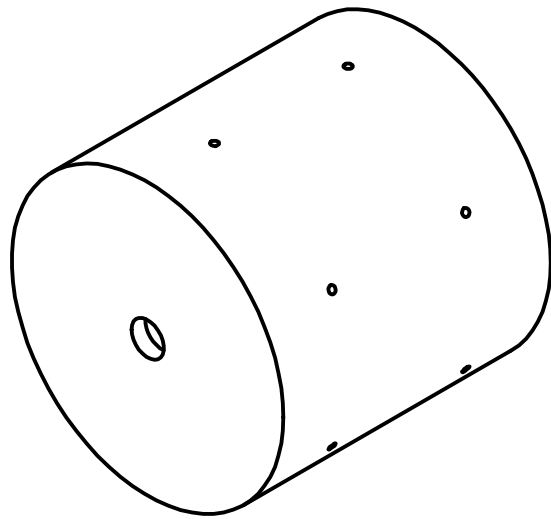
Note: All units in mm.

PROJECT Peeling Machine for Sunflower Seeds		CREATED BY L. Ruda	APPROVED BY A. Morillo	DATE 16/09/2021	VERSION 1.0
PART NAME Rotor and stator assembly		FILE NAME Rotor and stator assembly.ipn			POS 2.0.0
DEVELOPED BY Tropical Products Institute		REDESIGNED BY OHO e.V.	DOC. TYPE Assembly	MATERIAL	QUANTITY 1
		LICENCE CC-BY-SA 4.0		SCALE	SHEET 23 /71



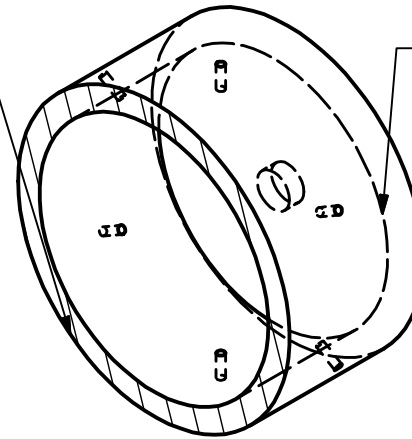
SCALE (1 : 2)

PROJECT Peeling Machine for Sunflower Seeds		CREATED BY L. Ruda		APPROVED BY A. Morillo	DATE 16/09/2021	VERSION 1.0
PART NAME Rotor		FILE NAME Rotor.ipn				2.1.0
DEVELOPED BY Tropical Products Institute		REDESIGNED BY OHO e.V.		DOC. TYPE Assembly	MATERIAL	QUANTITY 1
				LICENCE CC-BY-SA 4.0	SCALE 1:2	SHEET 24 /71



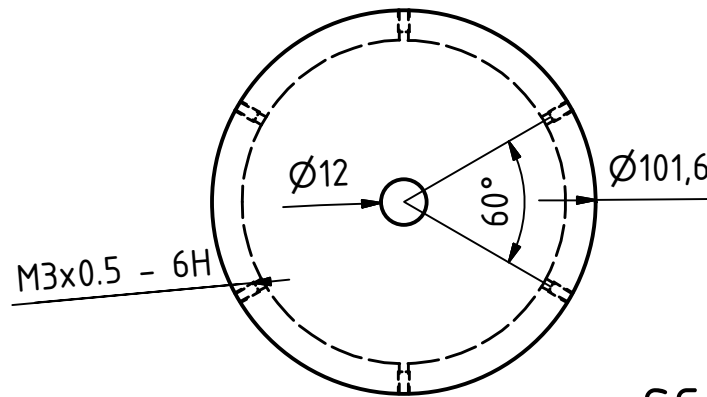
SCALE (1 : 2)

Pipe Ø101,6 OD 8 thickness

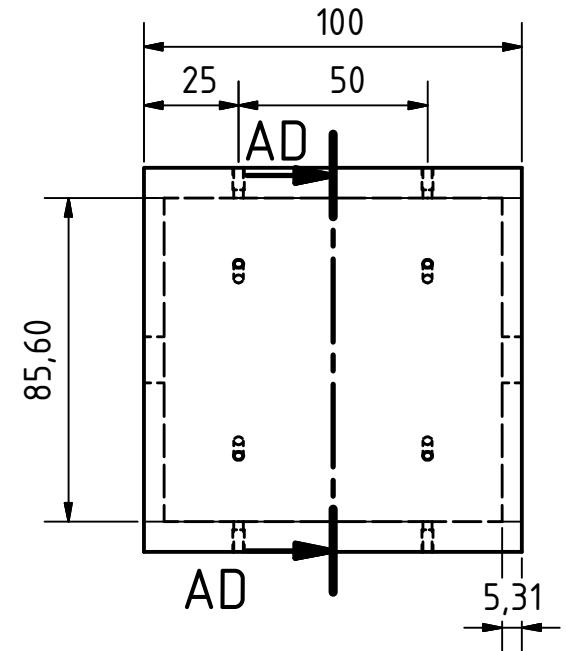


SCALE (1 : 2)

Sheet metal N°5 gauge

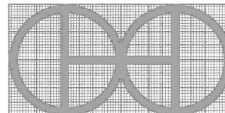


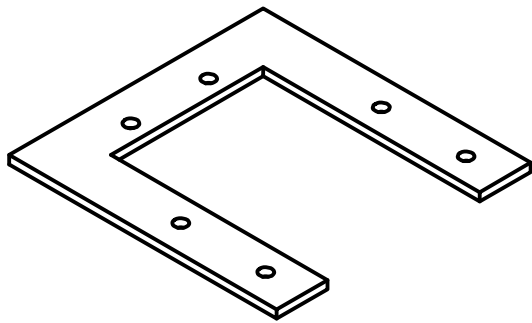
SCALE (1 : 2)



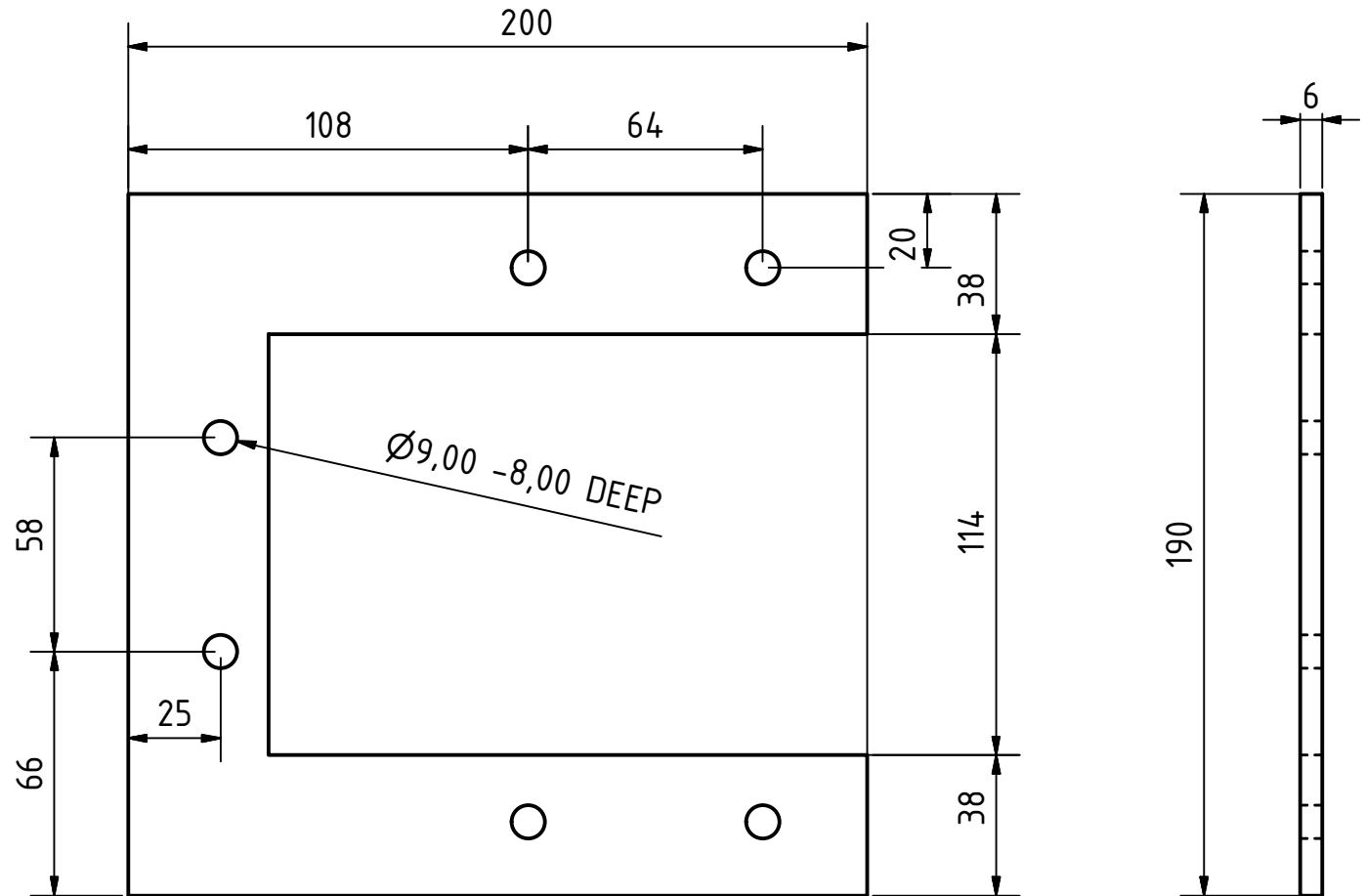
Note: All units in mm.

Note1: Pipe and sheet metal joined by welding.

PROJECT Peeling Machine for Sunflower Seeds	CREATED BY L. Ruda	APPROVED BY A. Morillo	DATE 16/09/2021	VERSION 1.0
PART NAME Drum	FILE NAME Drum.ipt	POS 2.1.1		
DEVELOPED BY	REDESIGNED BY 	DOC. TYPE Part	MATERIAL Steel A36	QUANTITY 1
Tropical Products Institute	OHO e.V.	LICENCE CC-BY-SA 4.0	SCALE 1:2	SHEET 25 /71



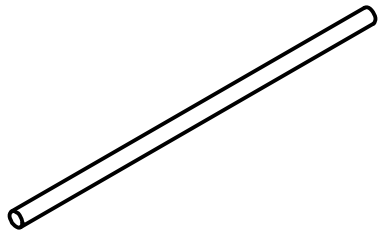
SCALE (1 : 4)



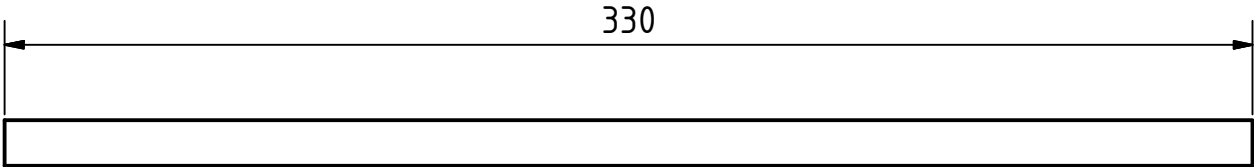
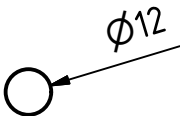
SCALE (1 : 2)

Note: All units in mm.

PROJECT Peeling Machine for Sunflower Seeds		CREATED BY L. Ruda		APPROVED BY A. Morillo	DATE 16/09/2021	VERSION 1.0
PART NAME Bed plate		FILE NAME Bed plate.ipt				POS 2.1.2
DEVELOPED BY Tropical Products Institute		REDESIGNED BY OHO e.V.		DOC. TYPE Part	MATERIAL Steel A53	QUANTITY 1
				LICENCE CC-BY-SA 4.0	SCALE 1:2	SHEET 26 /71

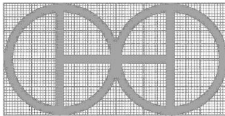


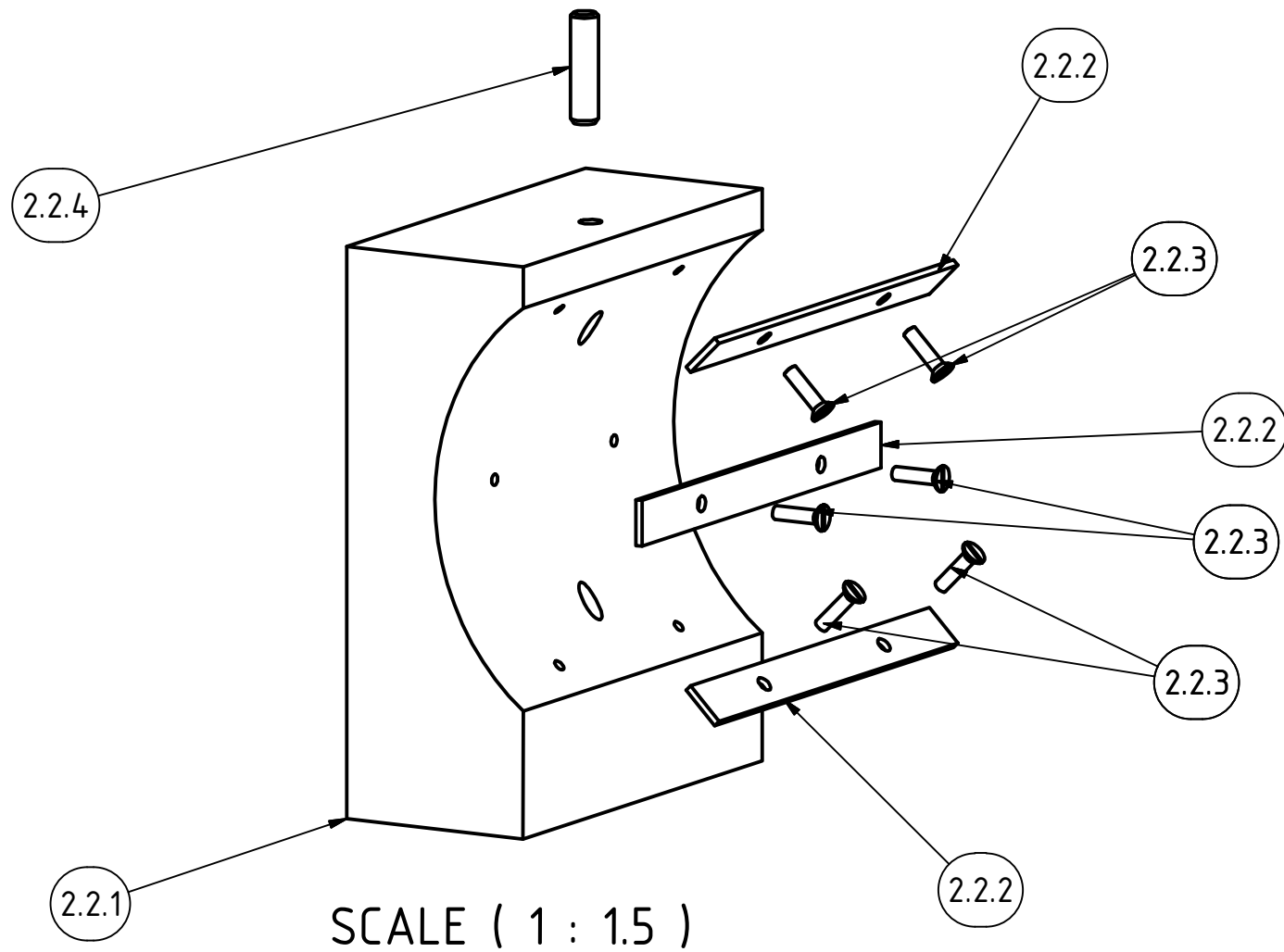
VIEW63 (1 : 5)

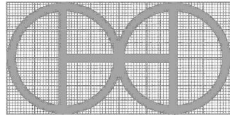


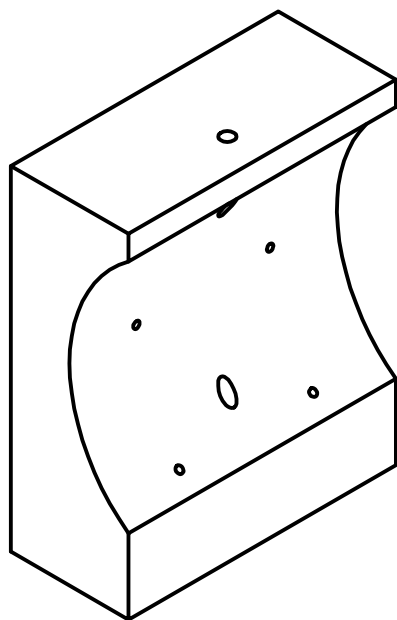
SCALE (1 : 2)

Note: All units in mm.

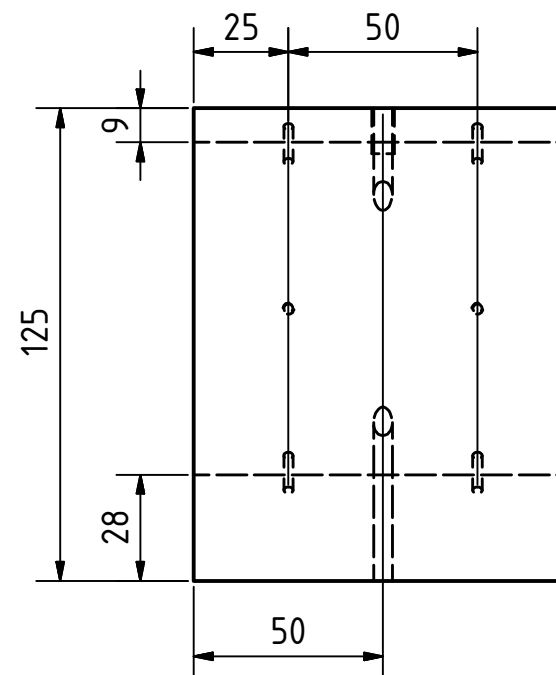
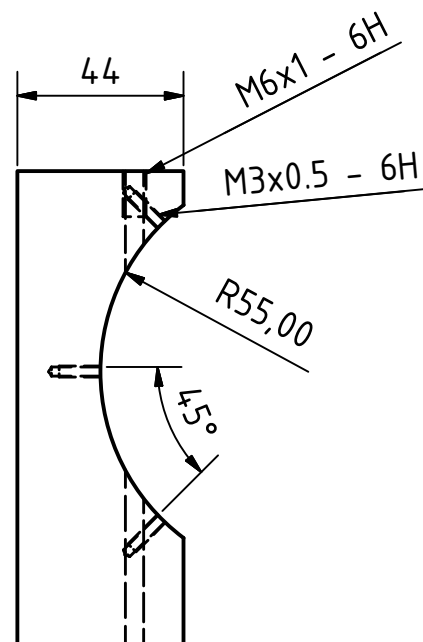
PROJECT Peeling Machine for Sunflower Seeds		CREATED BY L. Ruda		APPROVED BY A. Morillo		DATE 16/09/2021	VERSION 1.0
PART NAME Shaft		FILE NAME Shaft.ipt					POS 2.1.3
DEVELOPED BY Tropical Products Institute		REDESIGNED BY 		DOC. TYPE Part	MATERIAL Steel A36		QUANTITY 1
				LICENCE CC-BY-SA 4.0		SCALE 1:2	SHEET 27 /71
OHO e.V.							



PROJECT Peeling Machine for Sunflower Seeds		CREATED BY L. Ruda		APPROVED BY A. Morillo	DATE 16/09/2021	VERSION 1.0
PART NAME Stator quadrant		FILE NAME Stator quadrant.ipn				POS 2.2.0
DEVELOPED BY Tropical Products Institute		REDESIGNED BY 		DOC. TYPE Assembly	MATERIAL	QUANTITY 1
OHO e.V.		CC-BY-SA 4.0		SCALE 1:15	SHEET 28 /71	



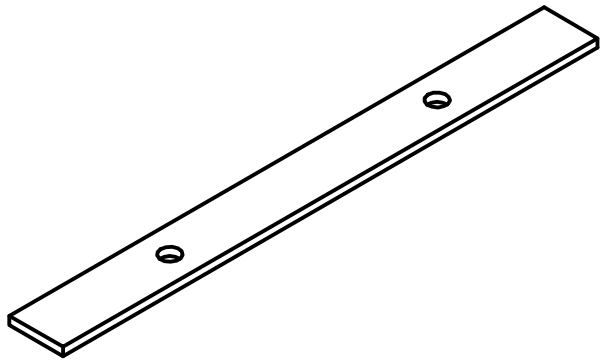
SCALE (1 : 2)



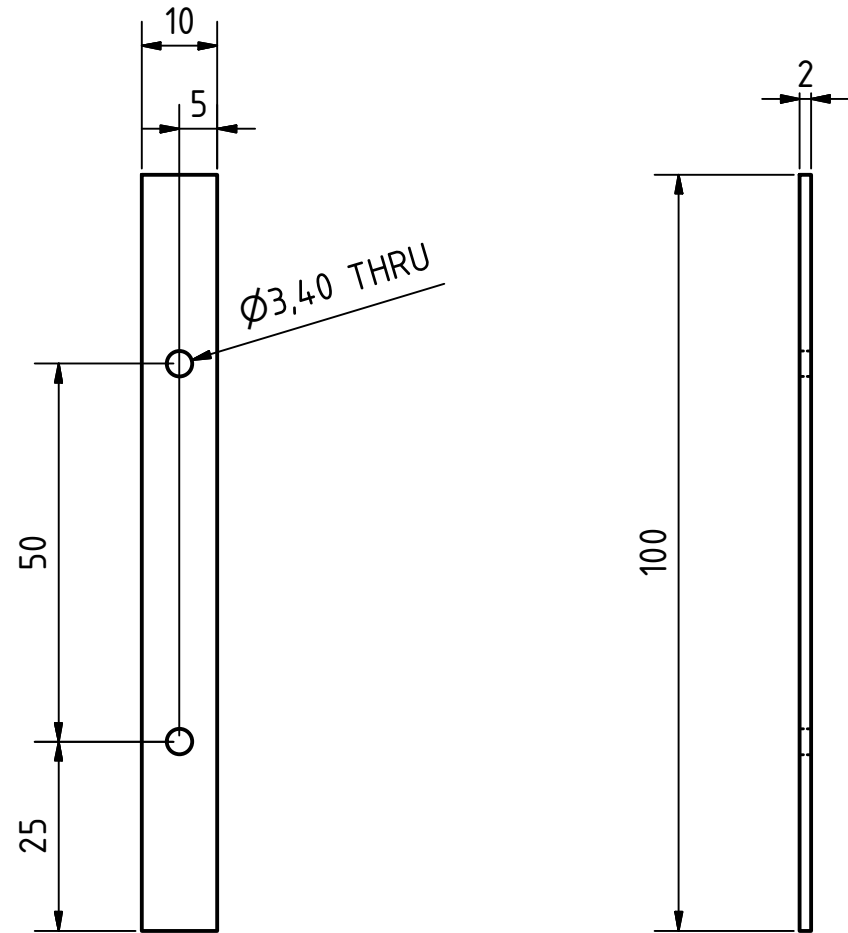
SCALE (1 : 2)

Note: All units in mm.

PROJECT Peeling Machine for Sunflower Seeds		CREATED BY L. Ruda		APPROVED BY A. Morillo	DATE 16/09/2021	VERSION 1.0
PART NAME Body		FILE NAME Body.ipt				POS 2.2.1
DEVELOPED BY		REDESIGNED BY		DOC. TYPE Part	MATERIAL Kiln dried wood	QUANTITY 1
Tropical Products Institute		OHO e.V.		LICENCE CC-BY-SA 4.0	SCALE 1:2	SHEET 29 /71

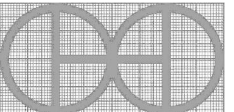


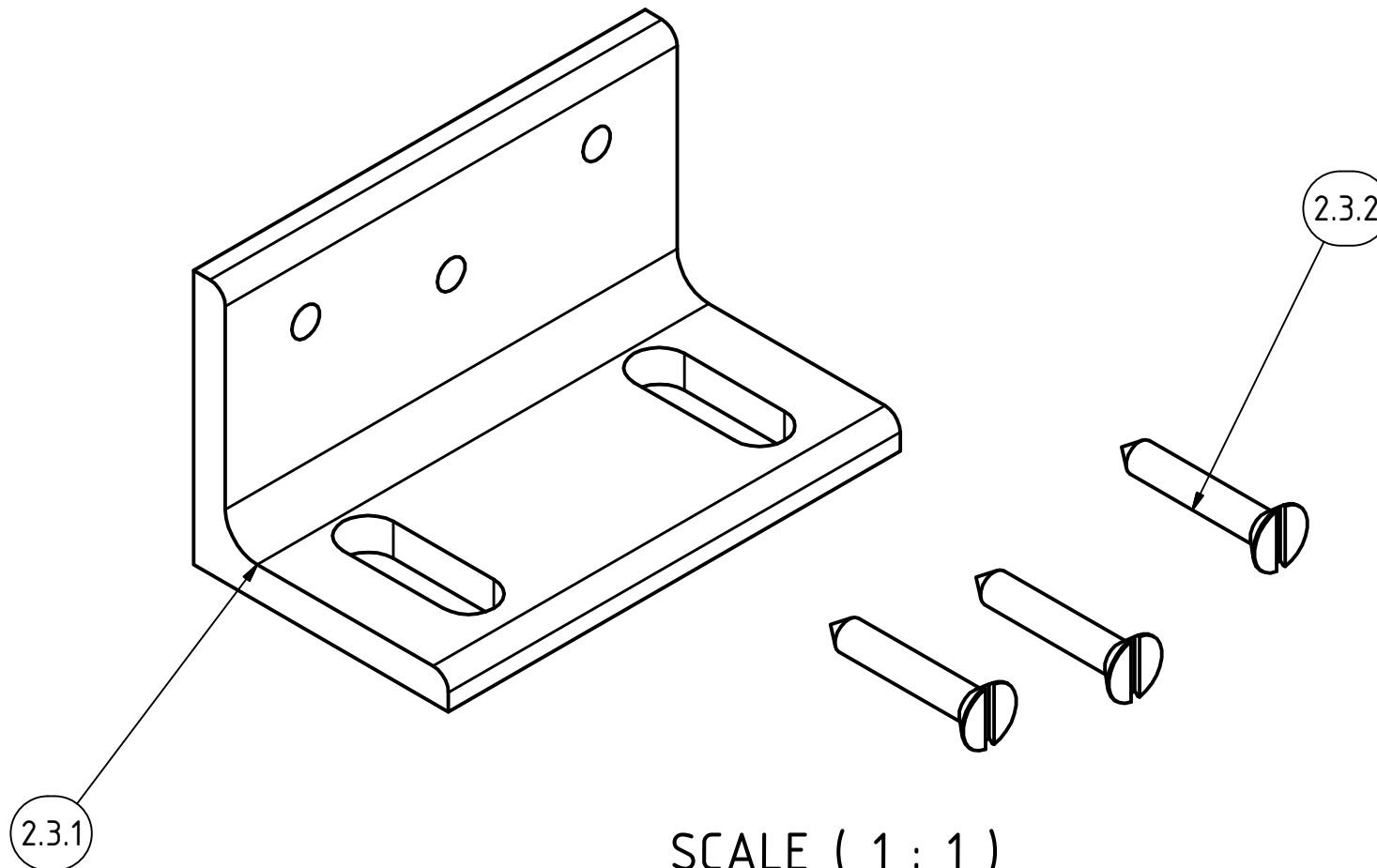
SCALE (1 : 1)



SCALE (1 : 1)

Note: All units in mm.

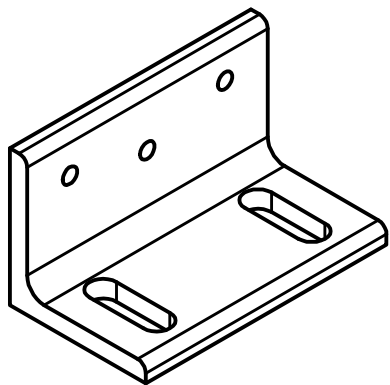
PROJECT Peeling Machine for Sunflower Seeds		CREATED BY L. Ruda	APPROVED BY A. Morillo	DATE 16/09/2021	VERSION 1.0
PART NAME Blade		FILE NAME Blade.ipt			POS 2.2.2
DEVELOPED BY Tropical Products Institute		REDESIGNED BY 	DOC. TYPE Part	MATERIAL Steel A53	QUANTITY 6
OHO e.V.		LICENCE CC-BY-SA 4.0		SCALE 1:1	SHEET 30 /71



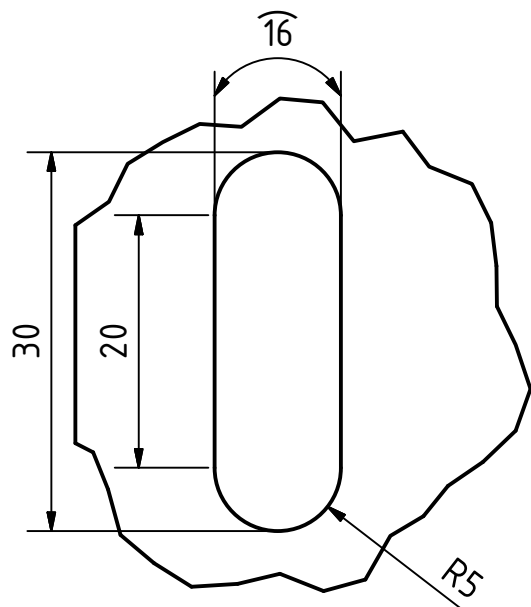
SCALE (1 : 1)

Note: All units in mm.

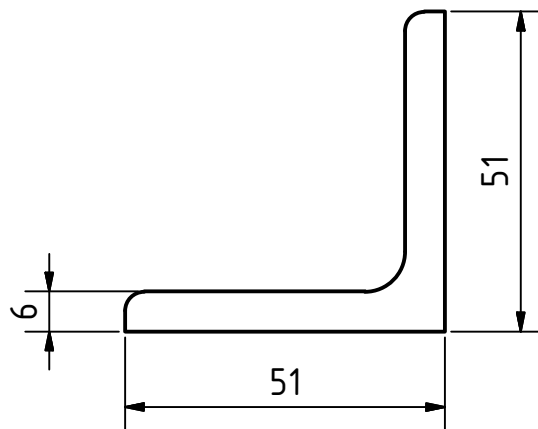
PROJECT Peeling Machine for Sunflower Seeds		CREATED BY L. Ruda		APPROVED BY A. Morillo	DATE 16/09/2021	VERSION 1.0
PART NAME Angle bracket		FILE NAME Frame0001.ipn				POS 2.3.0
DEVELOPED BY Tropical Products Institute		REDESIGNED BY OHO e.V.		DOC. TYPE Assembly	MATERIAL	QUANTITY 1
				LICENCE CC-BY-SA 4.0	SCALE 1:15	SHEET 31 /71



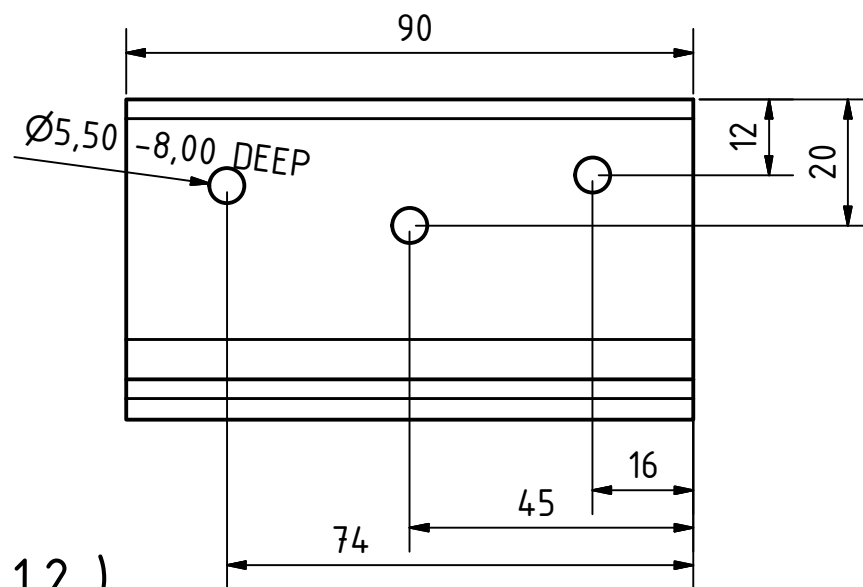
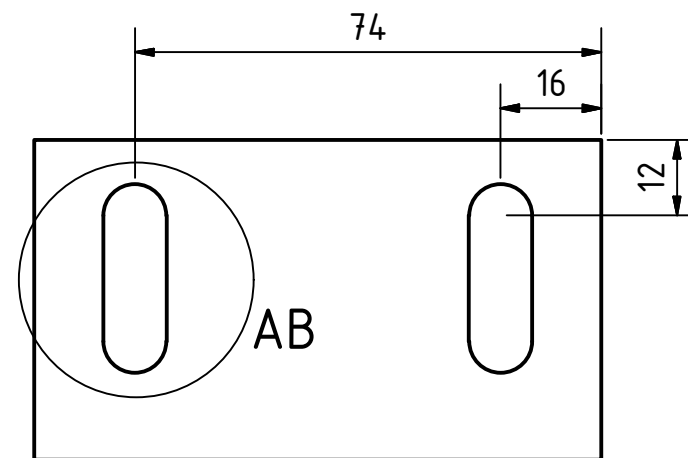
SCALE (1 : 2)



AB (1,67 : 1)

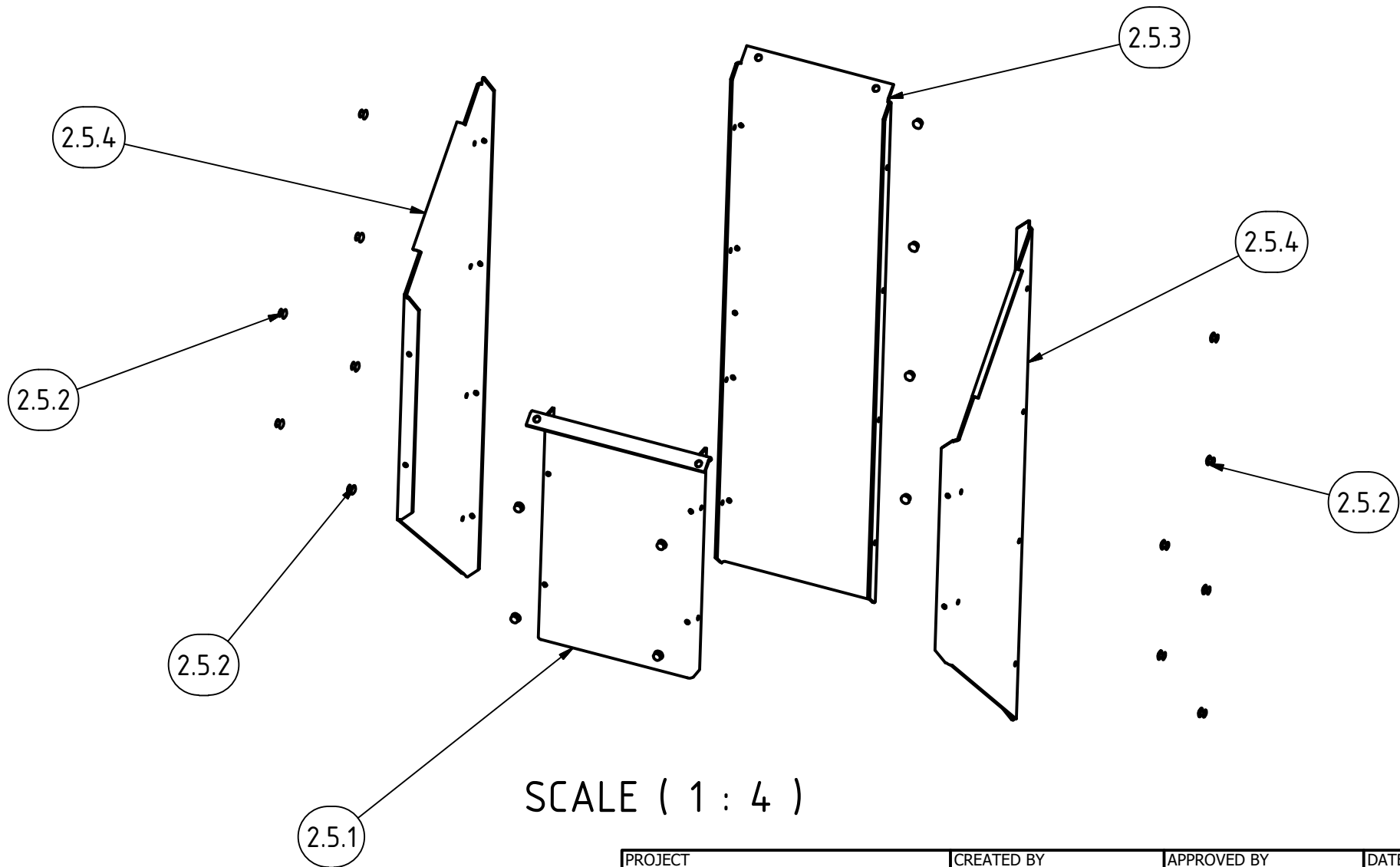


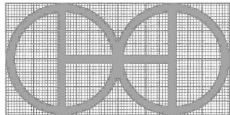
SCALE (1 : 1.2)

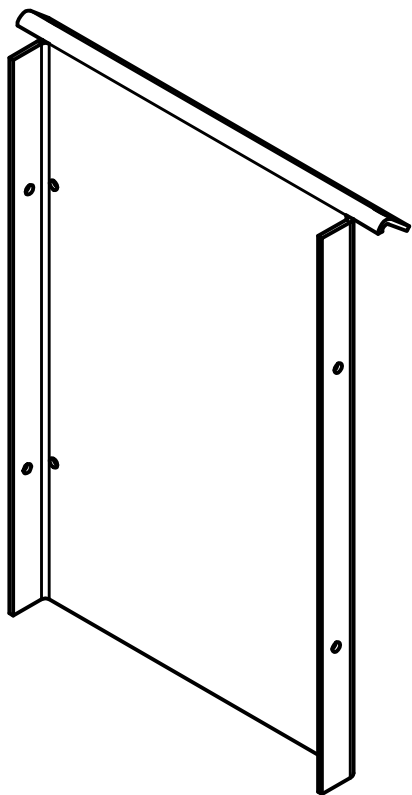


Note: All units in mm.

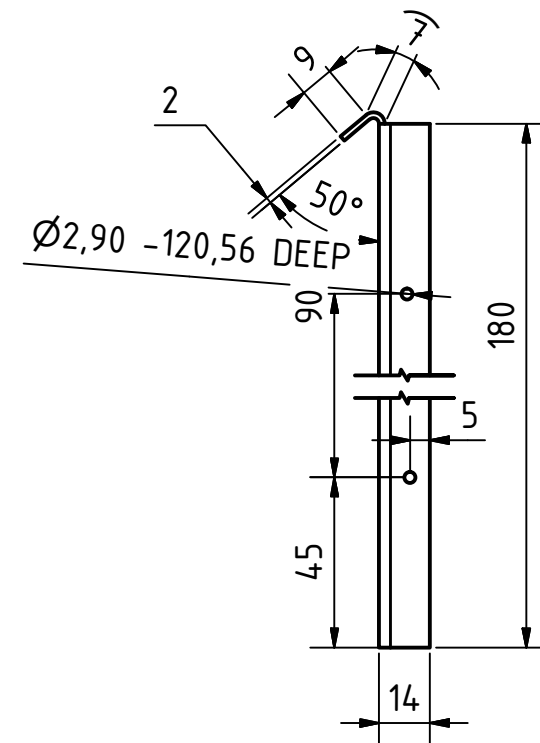
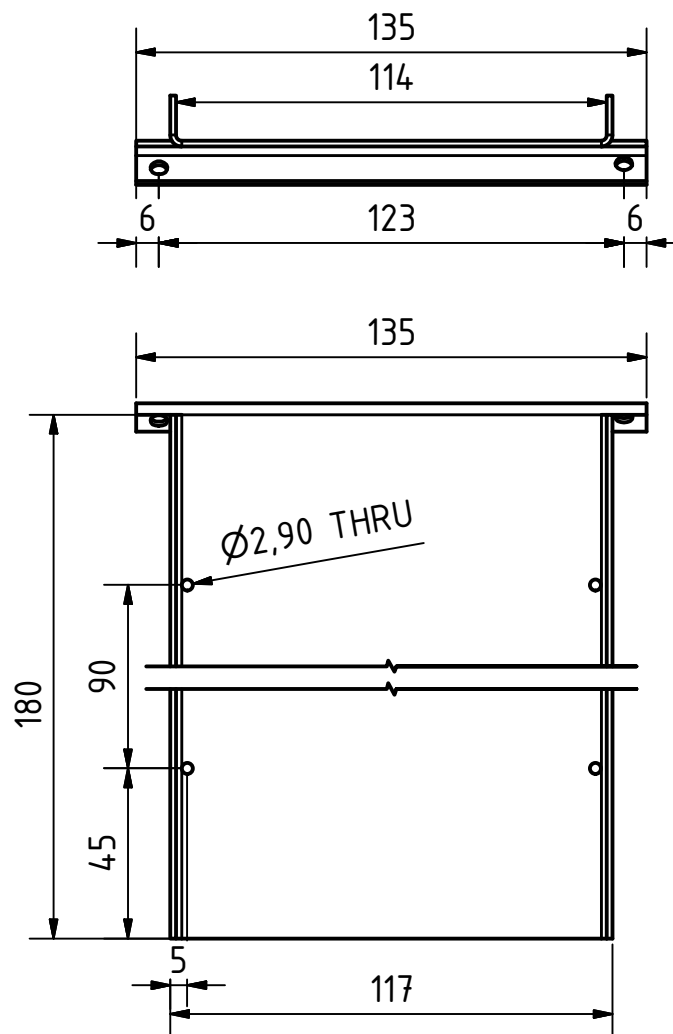
PROJECT Peeling Machine for Sunflower Seeds		CREATED BY L. Ruda		APPROVED BY A. Morillo	DATE 16/09/2021	VERSION 1.0
PART NAME L 2X2		FILE NAME ANSI L 2 x 2 x 1_4 00000001.ipt				POS 2.3.1
DEVELOPED BY		REDESIGNED BY		DOC. TYPE Part	MATERIAL Steel A36	QUANTITY 1
Tropical Products Institute		OHO e.V.		LICENCE CC-BY-SA 4.0	SCALE 1:1.2	SHEET 32 /71



PROJECT Peeling Machine for Sunflower Seeds		CREATED BY L. Ruda	APPROVED BY A. Morillo	DATE 16/09/2021	VERSION 1.0
PART NAME Chute		FILE NAME Chute.ipn			POS 2.5.0
DEVELOPED BY Tropical Products Institute		REDESIGNED BY 	DOC. TYPE Assembly	MATERIAL	QUANTITY 1
			LICENCE CC-BY-SA 4.0	SCALE 1:4	SHEET 33 /71

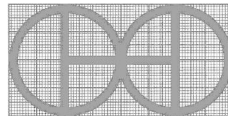


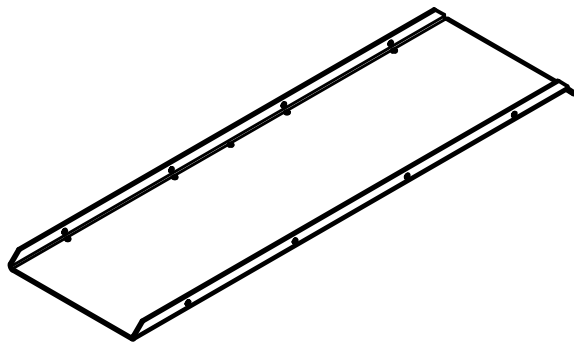
SCALE (1 : 2)



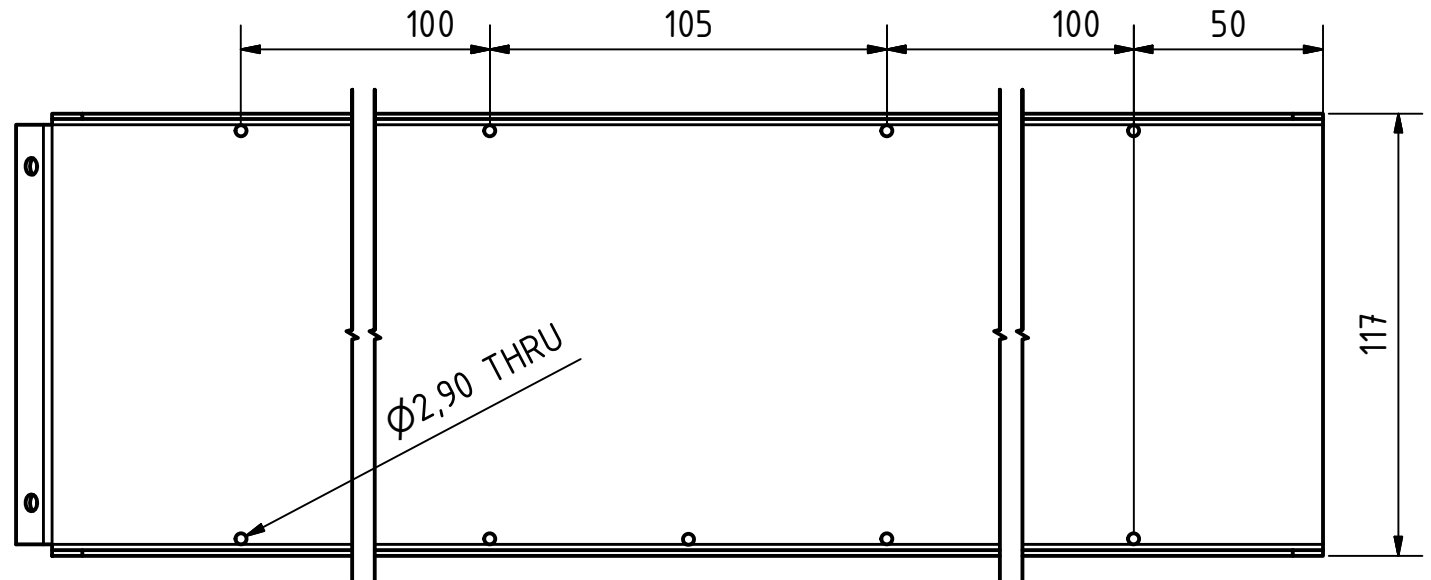
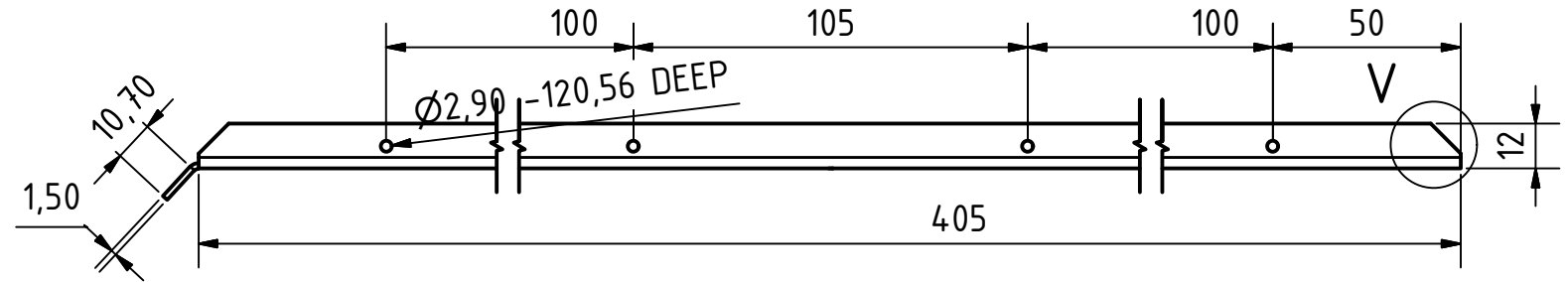
SCALE (1 : 2)

Note: All units in mm.

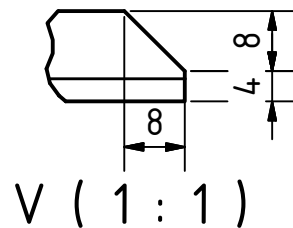
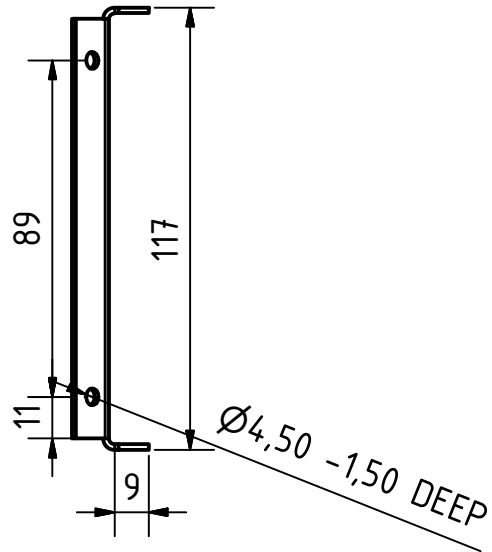
PROJECT Peeling Machine for Sunflower Seeds		CREATED BY L. Ruda	APPROVED BY A. Morillo	DATE 16/09/2021	VERSION 1.0	
PART NAME Chute PA		FILE NAME Part6.ipt			POS 2.5.1	
DEVELOPED BY Tropical Products Institute		REDESIGNED BY 		DOC. TYPE Part	MATERIAL Aluminium Alloy	QUANTITY 1
OHO e.V.		CC-BY-SA 4.0		SCALE 1:2	SHEET 34 /71	



SCALE (1 : 5)

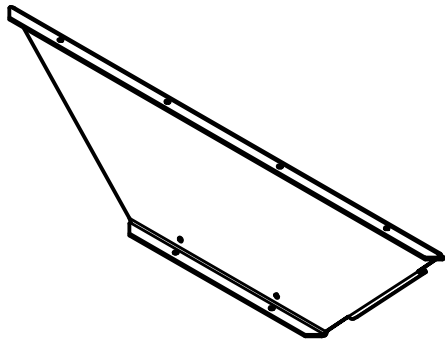


SCALE (1 : 2)

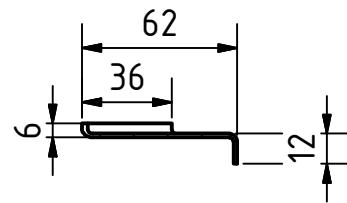


Note: All units in mm.

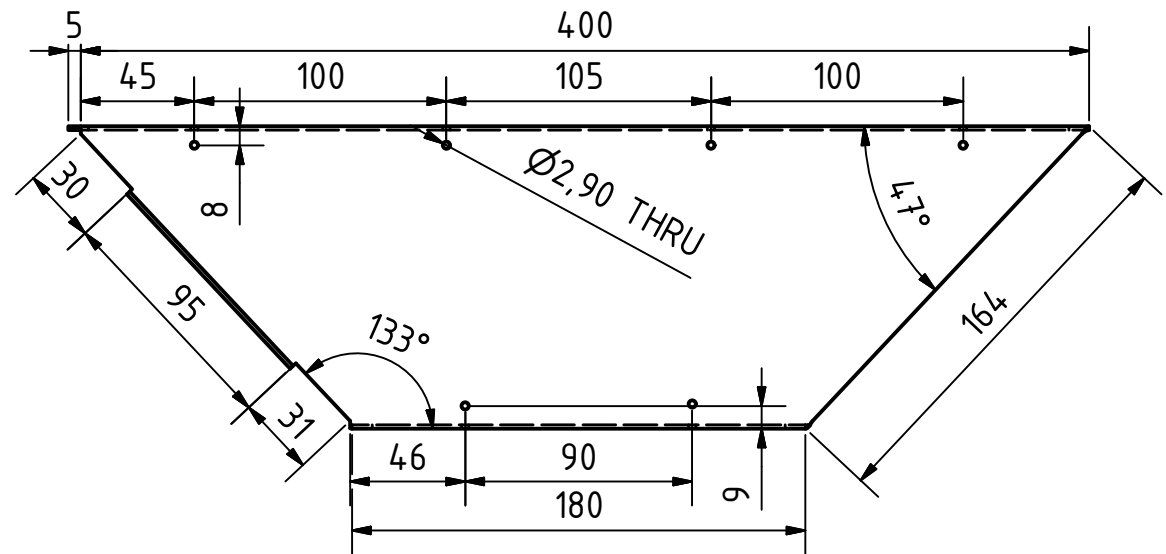
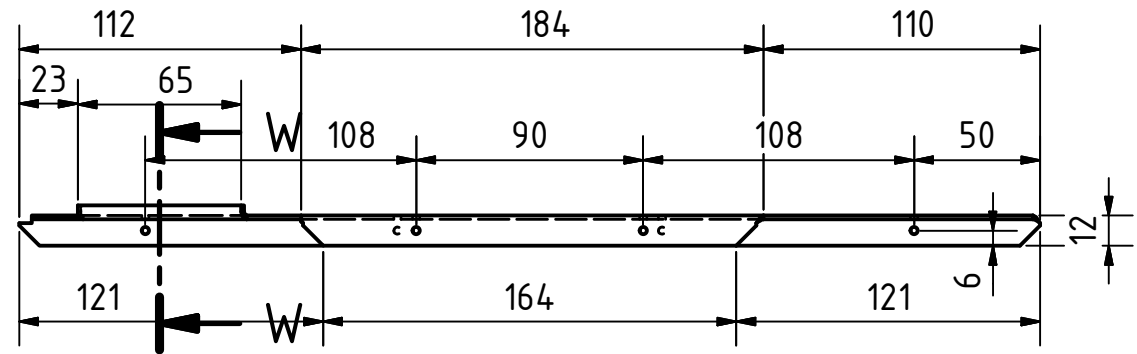
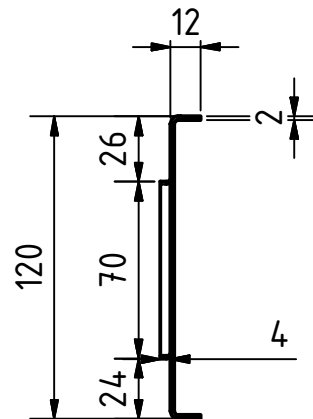
PROJECT Peeling Machine for Sunflower Seeds		CREATED BY L. Ruda		APPROVED BY A. Morillo	DATE 16/09/2021	VERSION 1.0
PART NAME Chute PB		FILE NAME Part5.ipt				POS 2.5.3
DEVELOPED BY Tropical Products Institute		REDESIGNED BY OHO e.V.		DOC. TYPE Part	MATERIAL Aluminium Alloy	QUANTITY 1
				LICENCE CC-BY-SA 4.0	SCALE 1:2	SHEET 35 /71



SCALE (1 : 5)



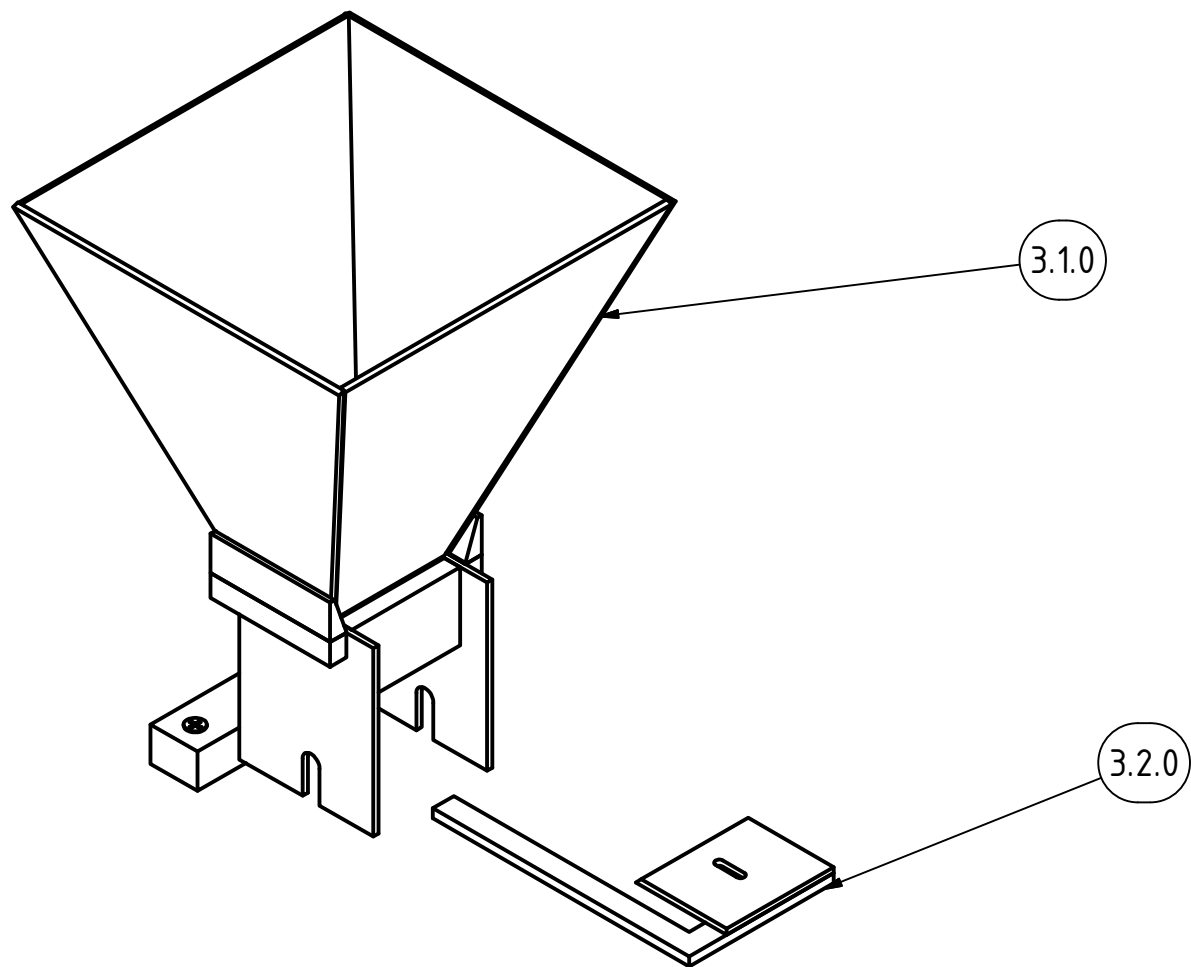
W-W (1 : 3)



SCALE (1 : 3)

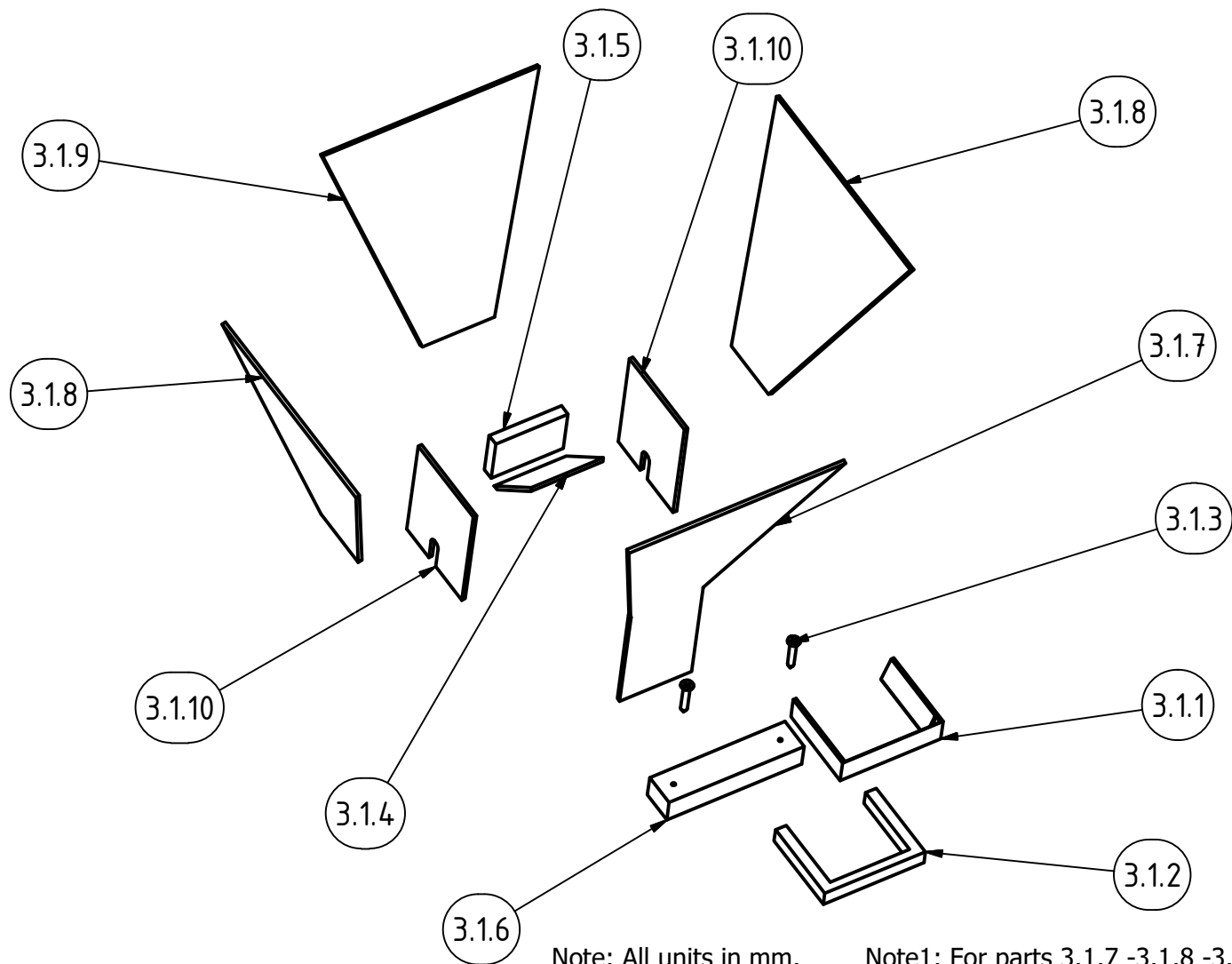
Note: All units in mm.

PROJECT Peeling Machine for Sunflower Seeds		CREATED BY L. Ruda		APPROVED BY A. Morillo	DATE 16/09/2021	VERSION 1.0
PART NAME Chute PC		FILE NAME Part2.ipt				POS 2.5.4
DEVELOPED BY		REDESIGNED BY		DOC. TYPE Part	MATERIAL Aluminium Alloy	QUANTITY 2
Tropical Products Institute		OHO e.V.		LICENCE CC-BY-SA 4.0	SCALE 1:3	SHEET 36 /71



SCALE (1 : 5)

PROJECT Peeling Machine for Sunflower Seeds		CREATED BY L. Ruda		APPROVED BY A. Morillo	DATE 16/09/2021	VERSION 1.0
PART NAME Feed Hooper		FILE NAME Feed Hooper.ipn				POS 3.0.0
DEVELOPED BY		REDESIGNED BY		DOC. TYPE Assembly	MATERIAL	QUANTITY 1
Tropical Products Institute		OHO e.V.		LICENCE CC-BY-SA 4.0	SCALE 1:5	SHEET 37 /71

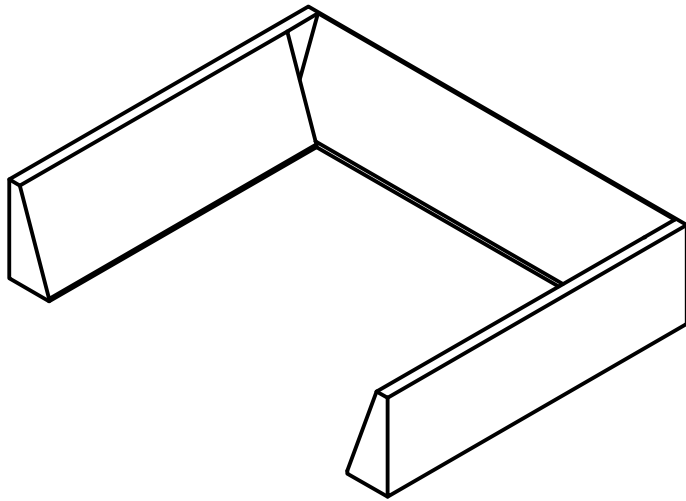


Note: All units in mm.

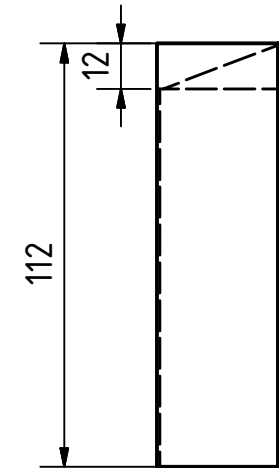
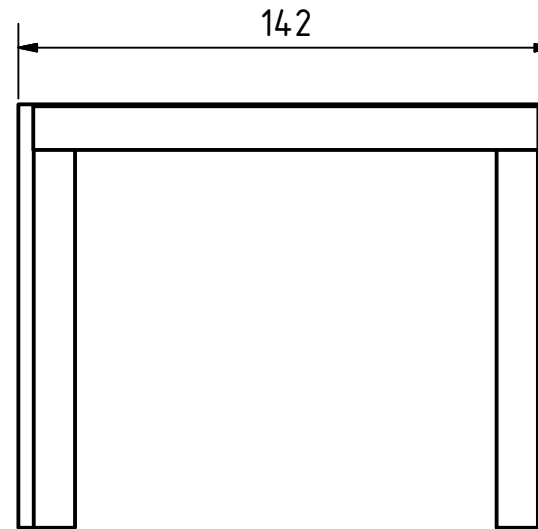
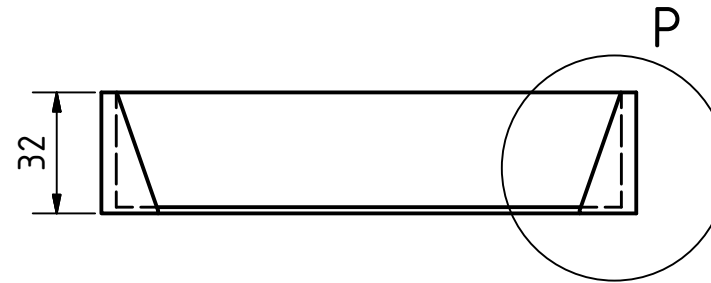
Note1: For parts 3.1.7 -3.1.8 -3.1.9 -3.1.10 union using any type of glue and nail gun for wood.

SCALE (1 : 8)

PROJECT Peeling Machine for Sunflower Seeds		CREATED BY L. Ruda		APPROVED BY A. Morillo	DATE 16/09/2021	VERSION 1.0
PART NAME Feed Hooper Hooper		FILE NAME Feed Hooper Hooper.ipn				POS 3.1.0
DEVELOPED BY		REDESIGNED BY		DOC. TYPE Assembly	MATERIAL	QUANTITY 1
Tropical Products Institute		OHO e.V.		LICENCE CC-BY-SA 4.0	SCALE 1:8	SHEET 38 /71

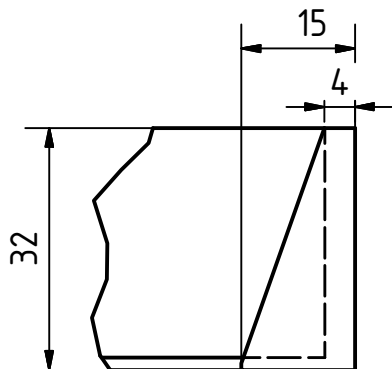


SCALE (1 : 2)

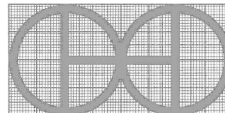


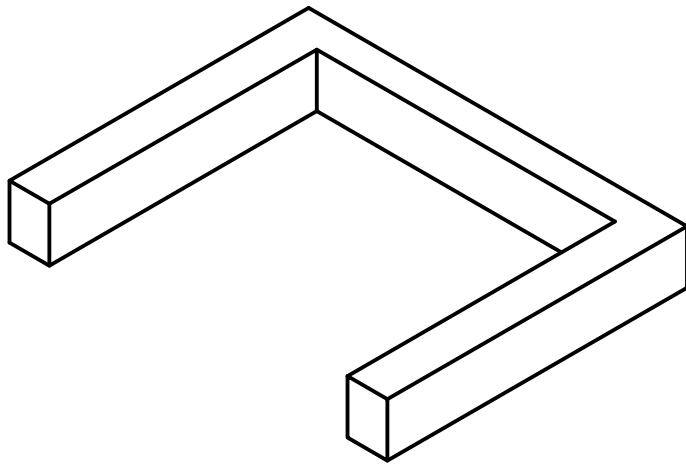
SCALE (1 : 2)

Note: All units in mm. Cutting wooden parts with manual tool.

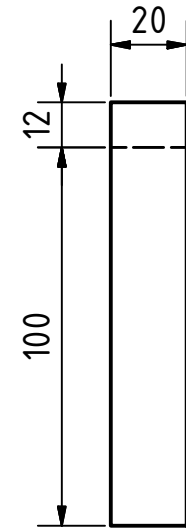
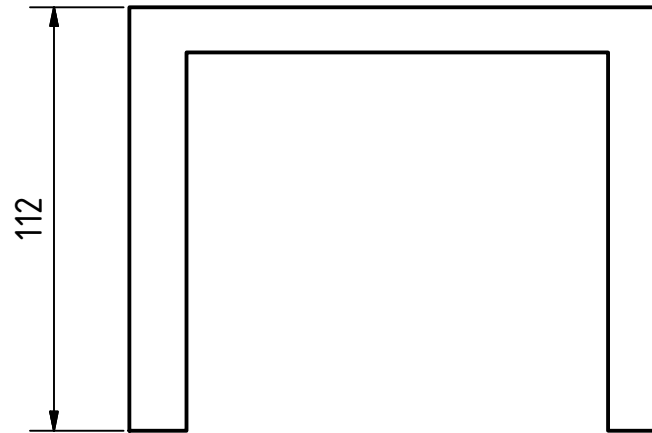
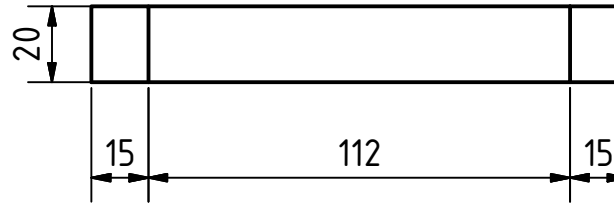


P (1 : 1)

PROJECT Peeling Machine for Sunflower Seeds	CREATED BY L. Ruda	APPROVED BY A. Morillo	DATE 16/09/2021	VERSION 1.0
PART NAME Upper hop support	FILE NAME Upper hop support.ipt	POS 3.1.1		
DEVELOPED BY	REDESIGNED BY 	DOC. TYPE Part	MATERIAL Kiln dried wood	QUANTITY 1
Tropical Products Institute	OHO e.V.	LICENCE CC-BY-SA 4.0	SCALE 1:2	SHEET 39 /71

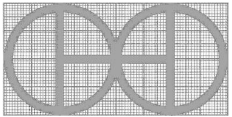


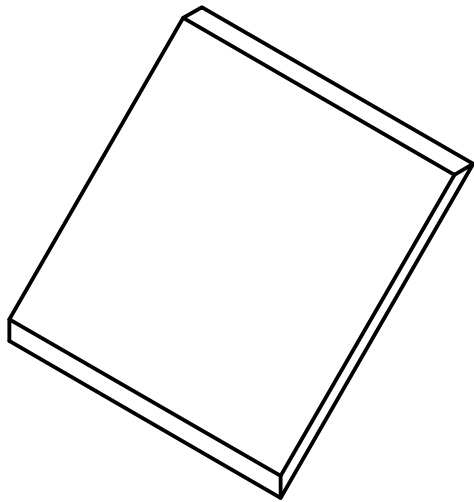
SCALE (1 : 2)



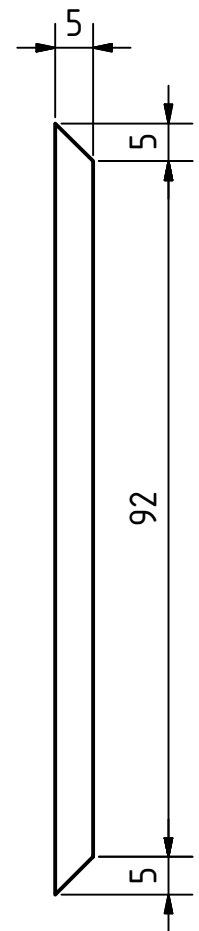
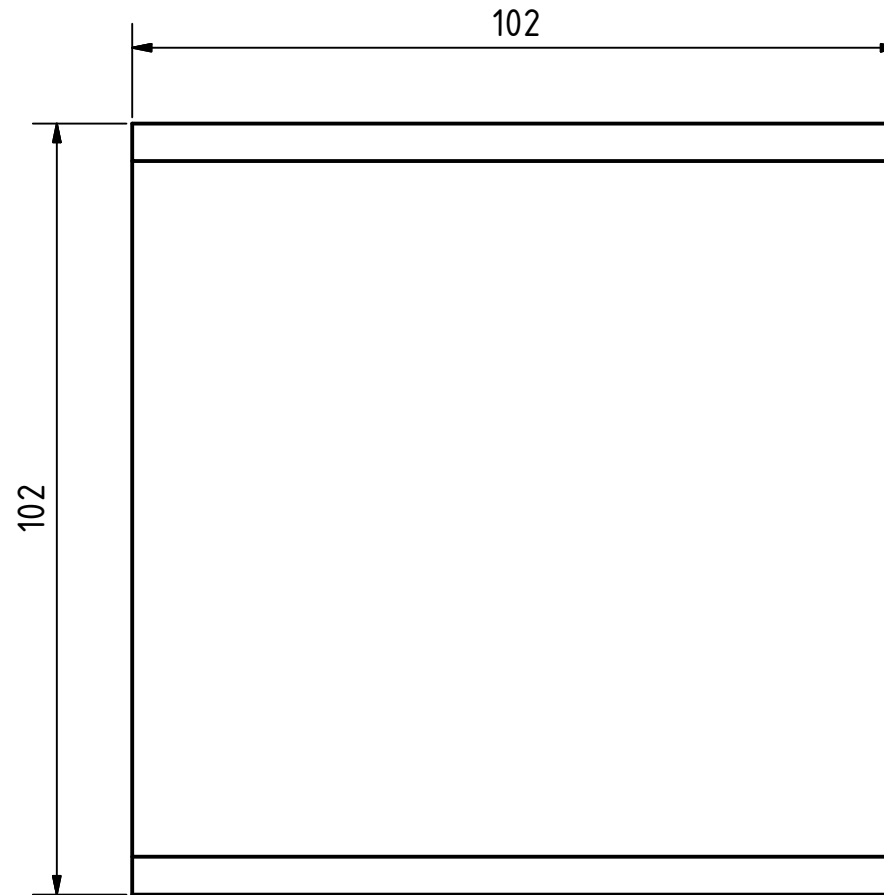
SCALE (1 : 2)

Note: All units in mm. Cutting wooden parts with manual tool.

PROJECT		CREATED BY	APPROVED BY	DATE	VERSION
Peeling Machine for Sunflower Seeds		L. Ruda	A. Morillo	16/09/2021	1.0
PART NAME		FILE NAME			POS
Lower hop support		Lower hop support.ipt			3.1.2
DEVELOPED BY	REDESIGNED BY	DOC. TYPE	MATERIAL	QUANTITY	
Tropical Products Institute		Part	Kiln dried wood	1	
		LICENCE	SCALE	SHEET	
		CC-BY-SA 4.0	1:2	40 /71	

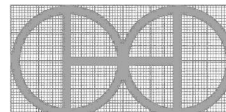


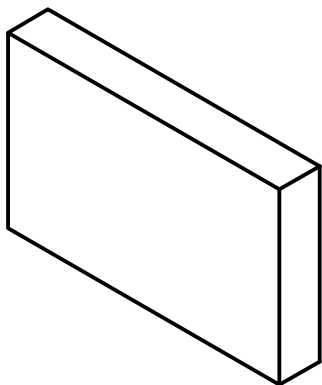
SCALE (1 : 2)



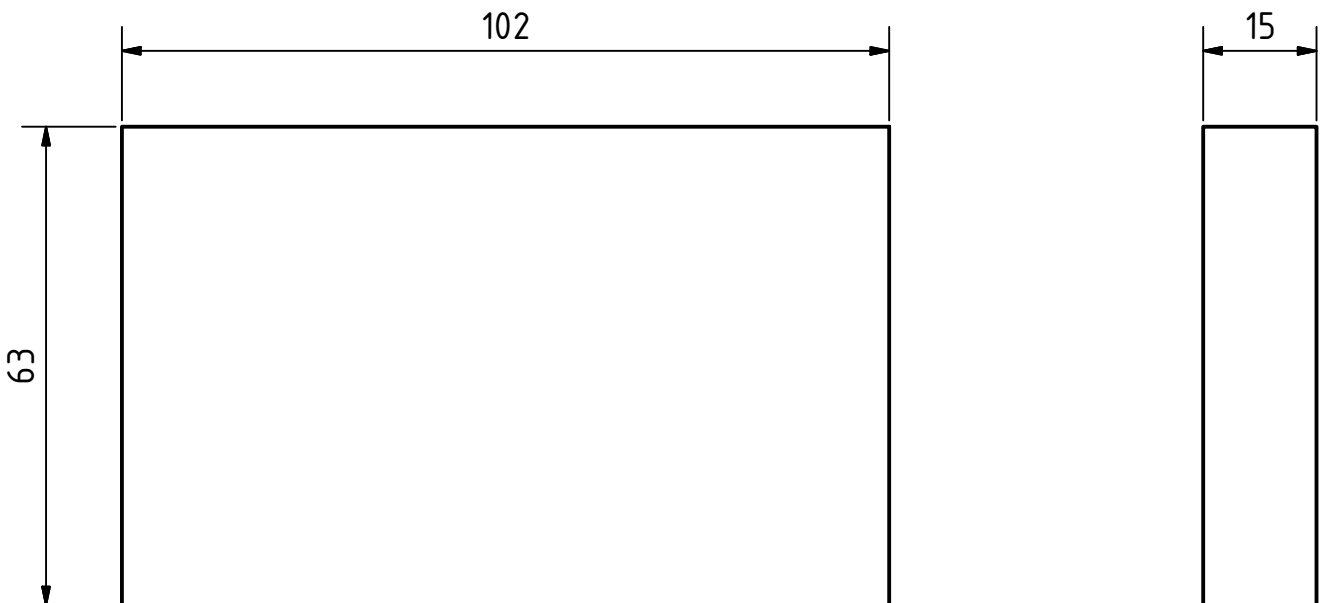
SCALE (1 : 1)

Note: All units in mm.

PROJECT Peeling Machine for Sunflower Seeds		CREATED BY L. Ruda	APPROVED BY A. Morillo	DATE 16/09/2021	VERSION 1.0
PART NAME Chute		FILE NAME Chute.ipt			POS 3.1.4
DEVELOPED BY Tropical Products Institute	REDESIGNED BY 		DOC. TYPE Part	MATERIAL Kiln dried wood	QUANTITY 1
	OHO e.V.		LICENCE CC-BY-SA 4.0	SCALE 1:1	SHEET 41 /71

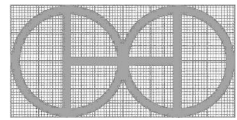


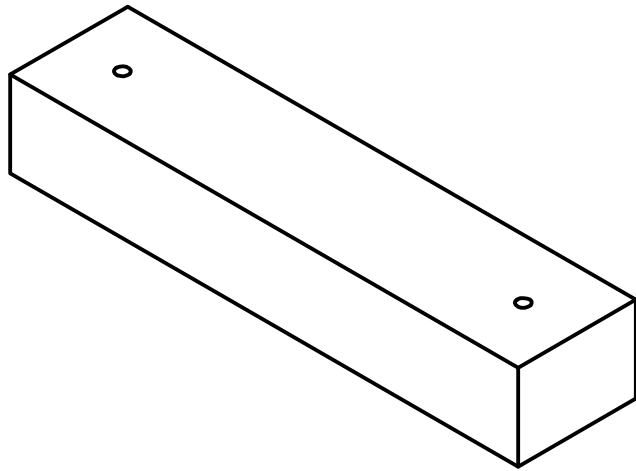
SCALE (1 : 2)



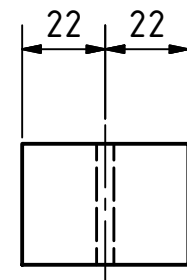
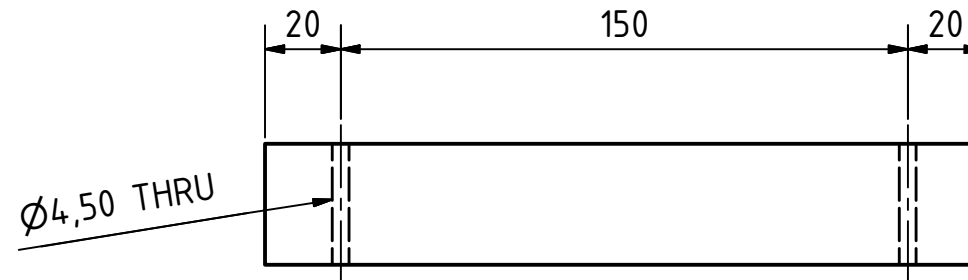
SCALE (1 : 1)

Note: All units in mm.

PROJECT Peeling Machine for Sunflower Seeds		CREATED BY L. Ruda		APPROVED BY A. Morillo		DATE 16/09/2021	VERSION 1.0
PART NAME Deflector		FILE NAME Deflector.ipt					POS 3.1.5
DEVELOPED BY 		REDESIGNED BY		DOC. TYPE Part	MATERIAL Kiln dried wood		QUANTITY 1
				LICENCE CC-BY-SA 4.0		SCALE 1:1	SHEET 42 /71
Tropical Products Institute		OHO e.V.					



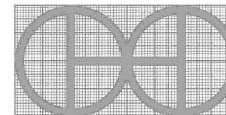
SCALE (1 : 2)

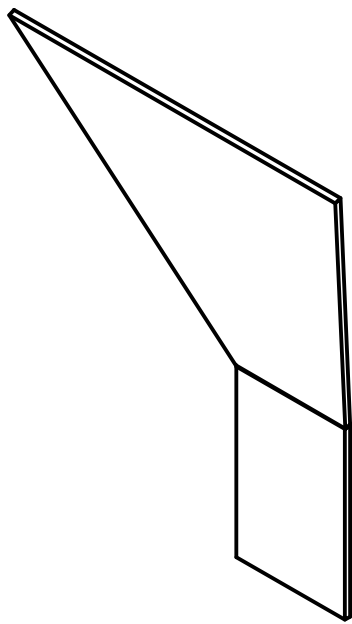


SCALE (1 : 2)

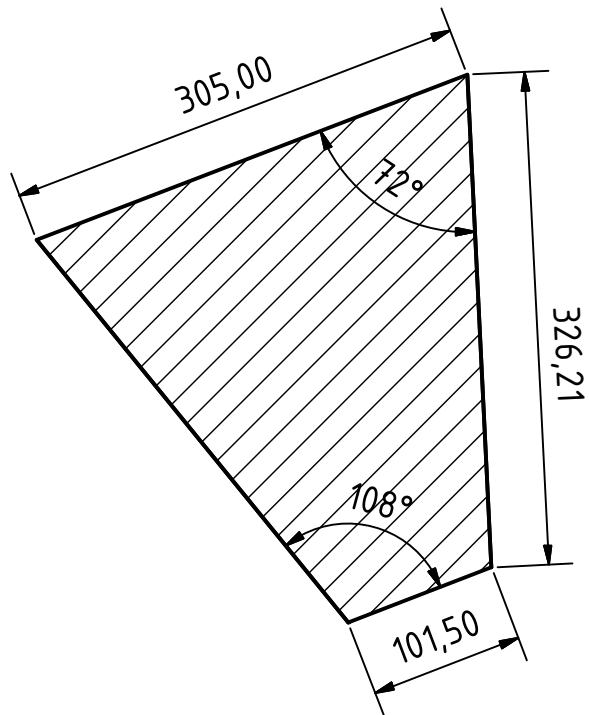
Note: All units in mm.

PROJECT Peeling Machine for Sunflower Seeds		CREATED BY L. Ruda		APPROVED BY A. Morillo	DATE 16/09/2021	VERSION 1.0
PART NAME Foot1		FILE NAME Foot1.ipt				POS 3.1.6
DEVELOPED BY		REDESIGNED BY		DOC. TYPE Part	MATERIAL Kiln dried wood	QUANTITY 2
Tropical Products Institute		OHO e.V.		LICENCE CC-BY-SA 4.0	SCALE 1:2	SHEET 43 /71

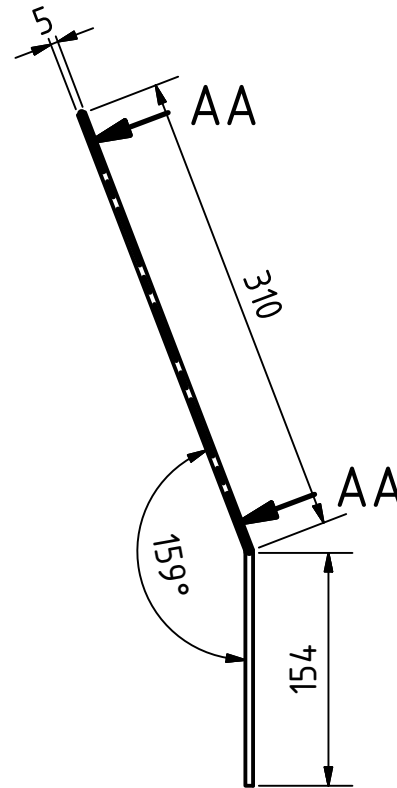




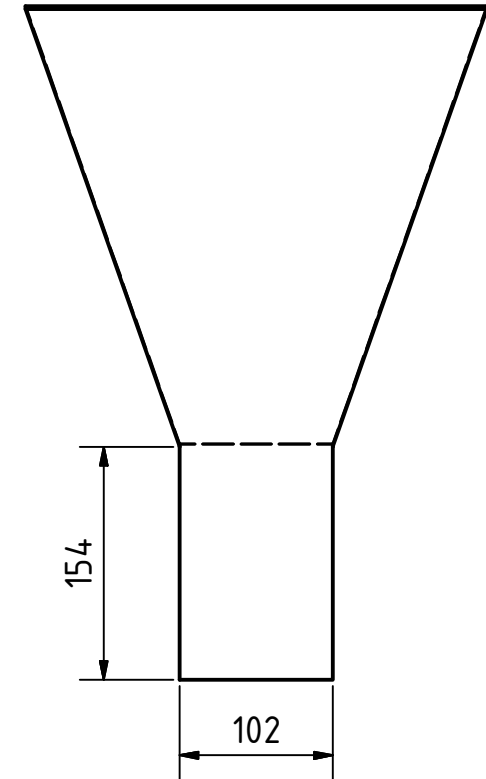
VIEW126 (1 : 5)



AA-AA (1 : 5)

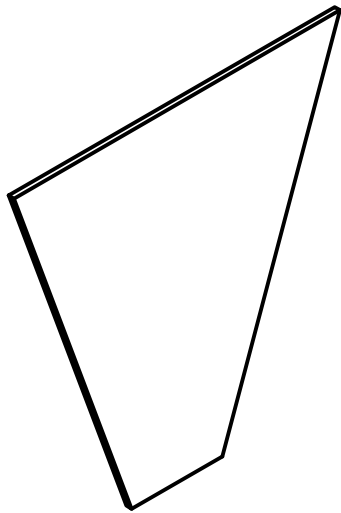


VIEW128 (1 : 5)

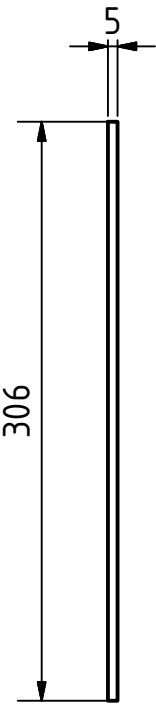
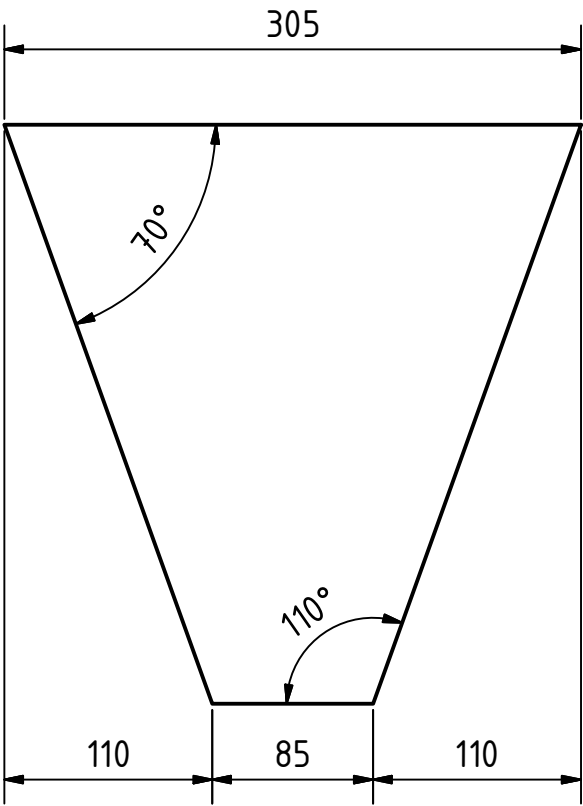


Note: All units in mm.

PROJECT Peeling Machine for Sunflower Seeds		CREATED BY L. Ruda		APPROVED BY A. Morillo	DATE 16/09/2021	VERSION 1.0
PART NAME Hooper		FILE NAME Hooper.ipt				POS 3.1.7
DEVELOPED BY		REDESIGNED BY		DOC. TYPE Part	MATERIAL Hardwood	QUANTITY 1
Tropical Products Institute		OHO e.V.		LICENCE CC-BY-SA 4.0	SCALE 1:5	SHEET 44 /71

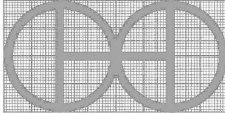


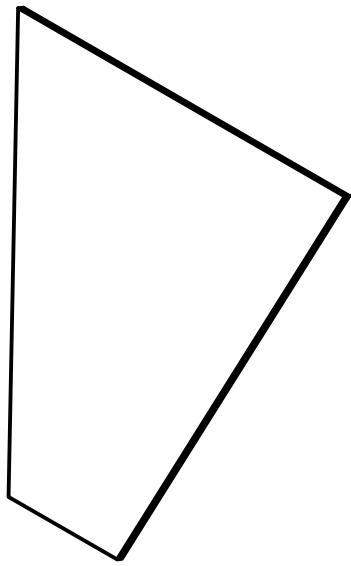
SCALE (1 : 5)



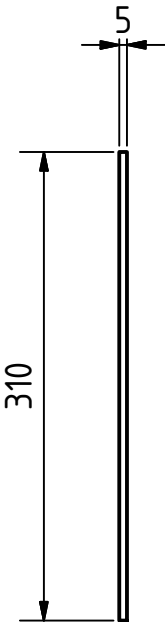
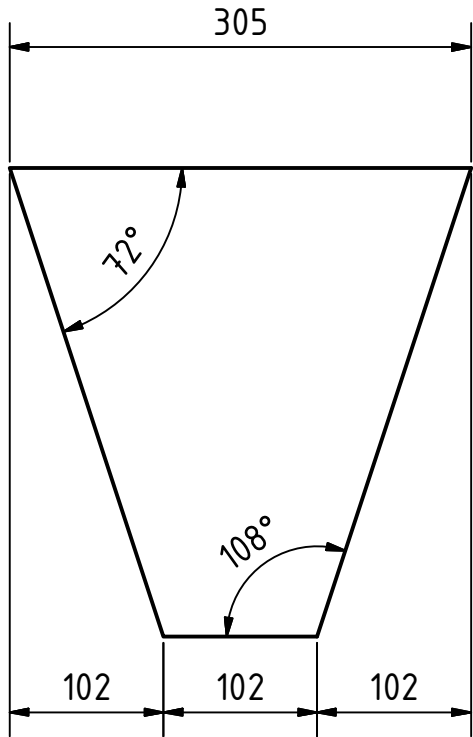
SCALE (1 : 4)

Note: All units in mm.

PROJECT Peeling Machine for Sunflower Seeds		CREATED BY L. Ruda		APPROVED BY A. Morillo		DATE 16/09/2021	VERSION 1.0
PART NAME Hooper2A		FILE NAME Hooper2A.ipt					POS 3.1.8
DEVELOPED BY 		REDESIGNED BY OHO e.V.		DOC. TYPE Part	MATERIAL Hardwood		QUANTITY 2
Tropical Products Institute				LICENCE CC-BY-SA 4.0		SCALE 1:4	SHEET 45 /71

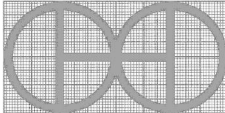


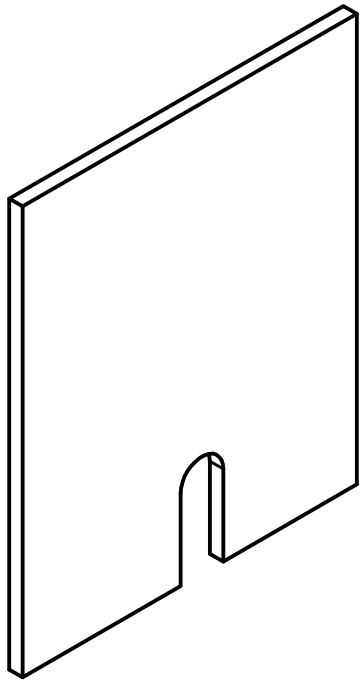
SCALE (1 : 5)



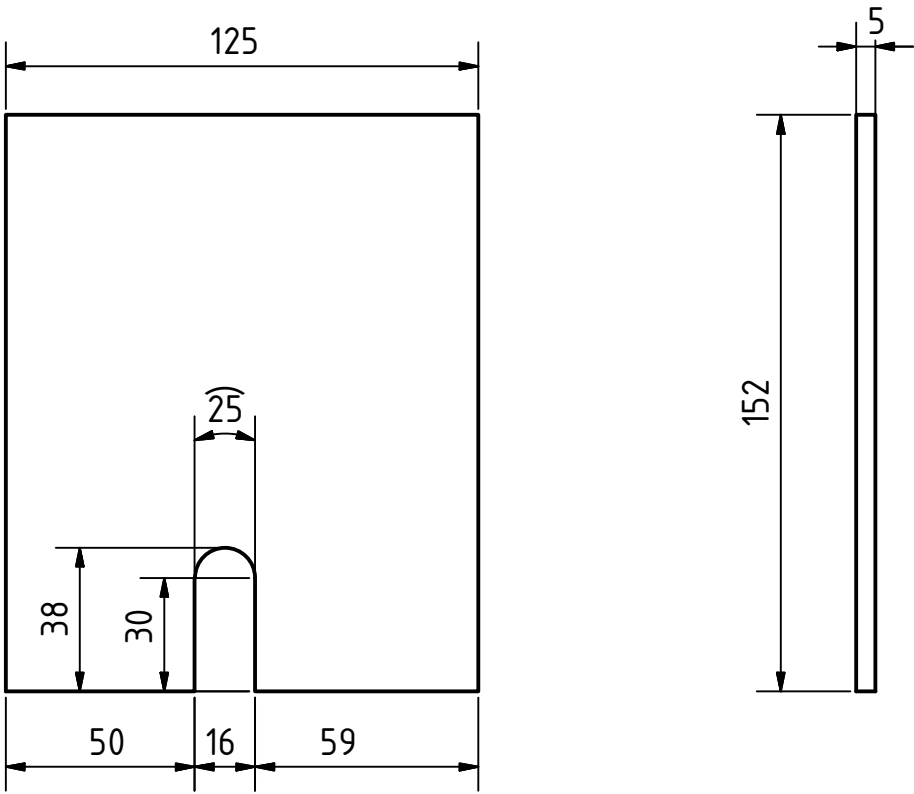
SCALE (1 : 5)

Note: All units in mm.

PROJECT Peeling Machine for Sunflower Seeds		CREATED BY L. Ruda		APPROVED BY A. Morillo		DATE 16/09/2021	VERSION 1.0
PART NAME Hooper1		FILE NAME Hooper1.ipt					POS 3.1.9
DEVELOPED BY 		REDESIGNED BY OHO e.V.		DOC. TYPE Part	MATERIAL Hardwood		QUANTITY 1
Tropical Products Institute				LICENCE CC-BY-SA 4.0		SCALE 1:5	SHEET 46 /71



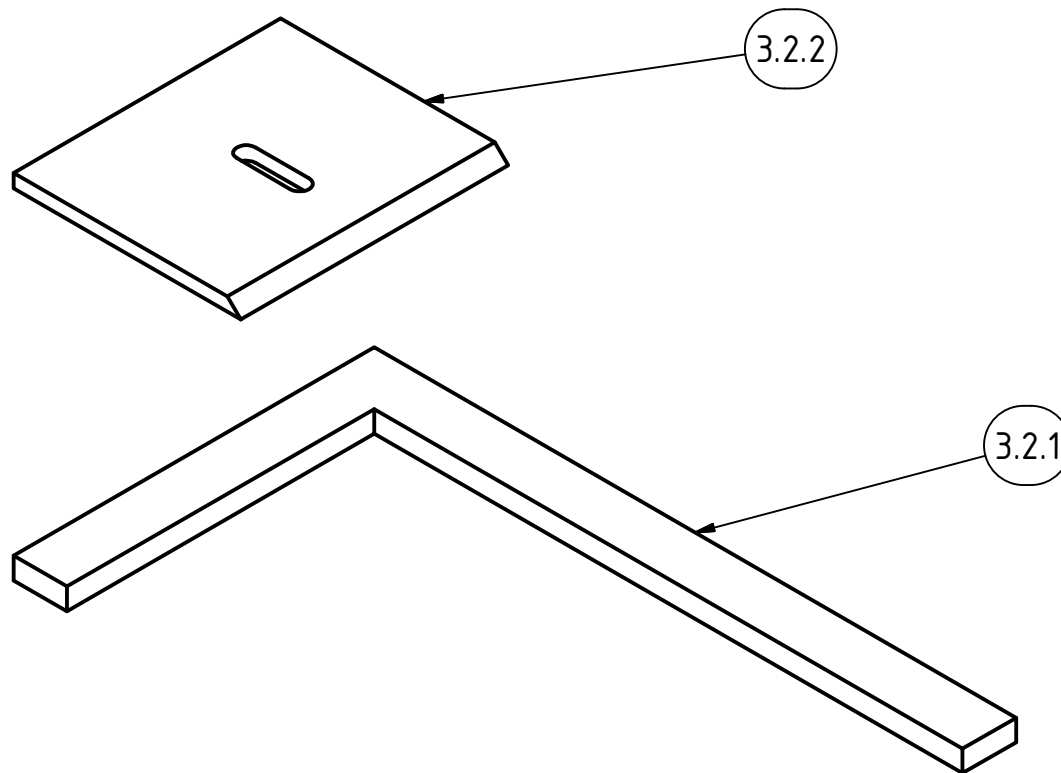
SCALE (1 : 2)



SCALE (1 : 2)

Note: All units in mm.

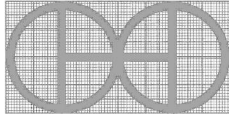
PROJECT Peeling Machine for Sunflower Seeds		CREATED BY L. Ruda		APPROVED BY A. Morillo	DATE 16/09/2021	VERSION 1.0
PART NAME Hooper2B		FILE NAME Hooper2B.ipt				POS 3.1.10
DEVELOPED BY Tropical Products Institute		REDESIGNED BY OHO e.V.		DOC. TYPE Part	MATERIAL Hardwood	QUANTITY 2
				LICENCE CC-BY-SA 4.0	SCALE 1:2	SHEET 47 /71

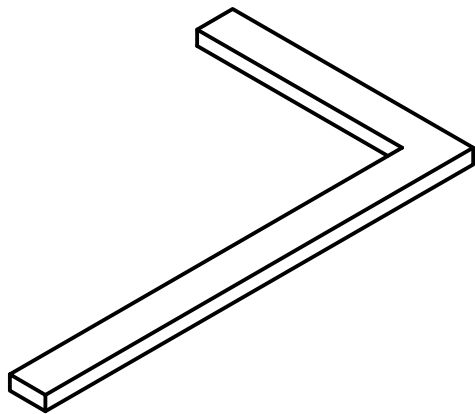


SCALE (1 : 2)

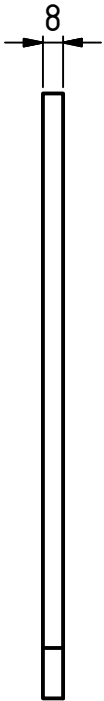
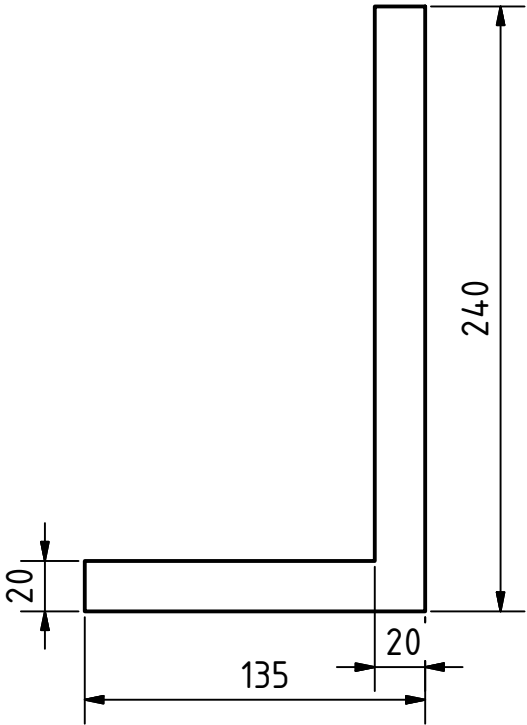
Note: All units in mm.

Note1: For parts union using any type of adhesive for wood.

PROJECT Peeling Machine for Sunflower Seeds		CREATED BY L. Ruda		APPROVED BY A. Morillo	DATE 16/09/2021	VERSION 1.0
PART NAME Shutter		FILE NAME Shutter.ipn				POS 3.2.0
DEVELOPED BY		REDESIGNED BY 		DOC. TYPE Assembly	MATERIAL	QUANTITY 1
Tropical Products Institute		OHO e.V.		LICENCE CC-BY-SA 4.0	SCALE 1:2	SHEET 48 /71

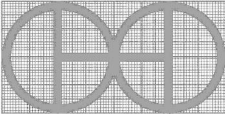


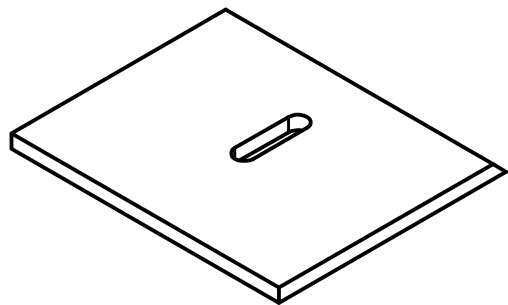
SCALE (1 : 3)



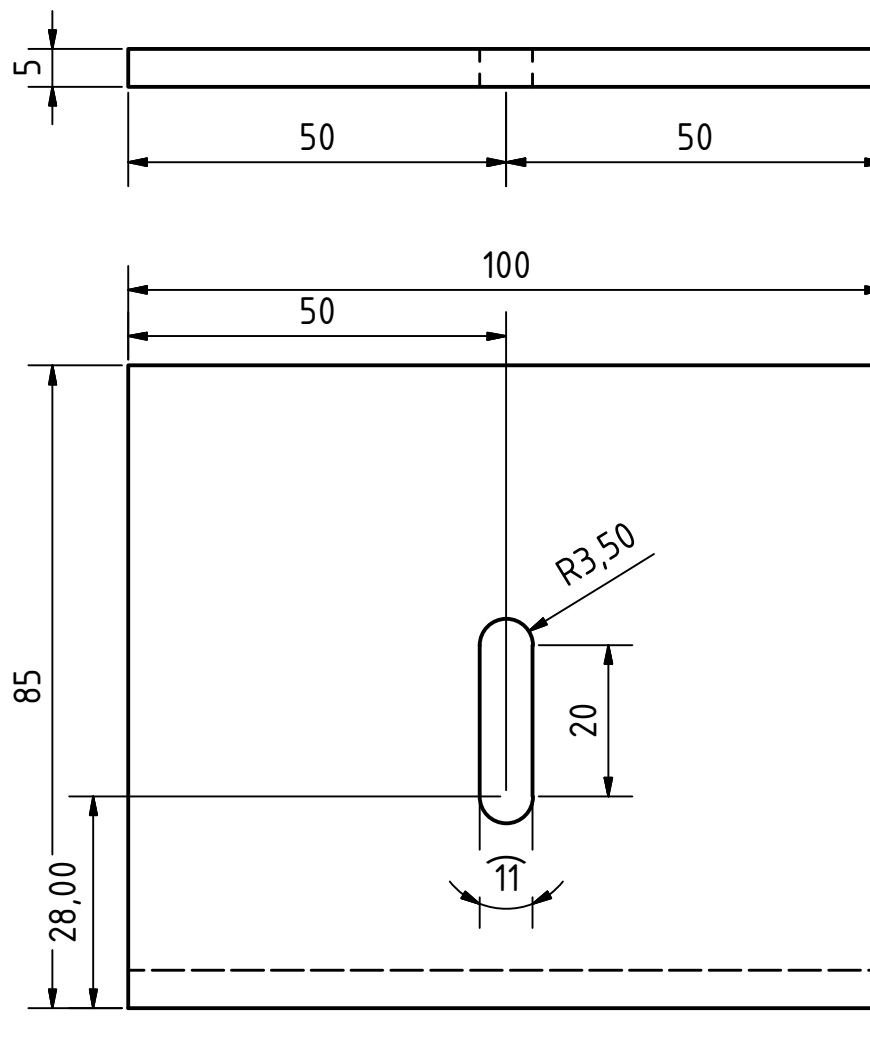
SCALE (1 : 3)

Note: All units in mm. Cutting wooden parts with manual tool.

PROJECT Peeling Machine for Sunflower Seeds		CREATED BY L. Ruda		APPROVED BY A. Morillo	DATE 16/09/2021	VERSION 1.0
PART NAME Arm		FILE NAME Arm.ipt				POS 3.2.1
DEVELOPED BY		REDESIGNED BY		DOC. TYPE Part	MATERIAL Kiln dried wood	QUANTITY 1
				LICENCE CC-BY-SA 4.0	SCALE 1:3	SHEET 49 /71
Tropical Products Institute		OHO e.V.				



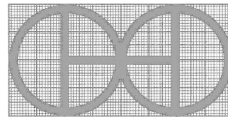
SCALE (1 : 2)

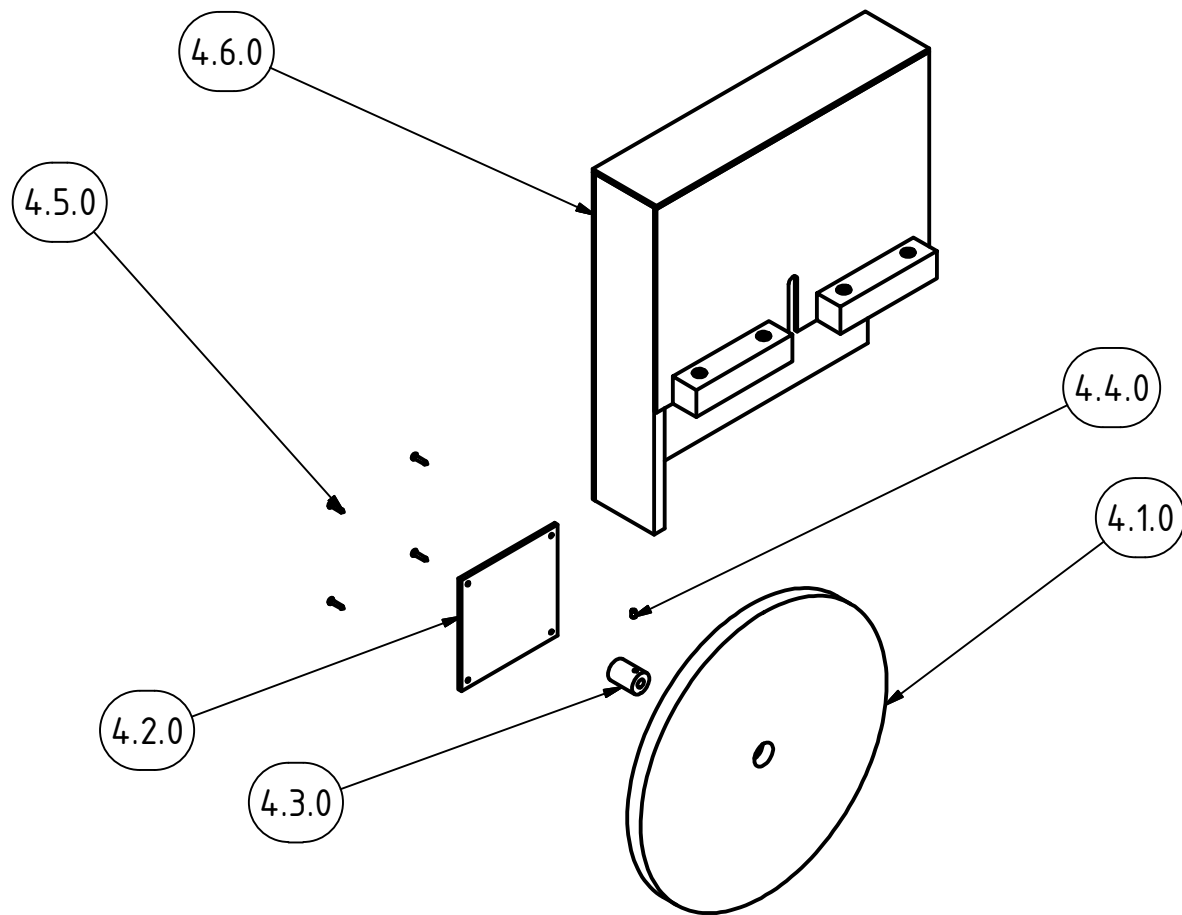


SCALE (1 : 1)

Note: All units in mm.

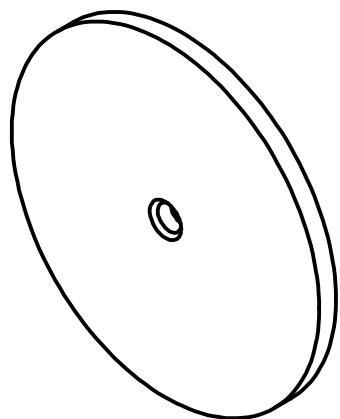
NOTE: All units in mm

PROJECT Peeling Machine for Sunflower Seeds		CREATED BY L. Ruda		APPROVED BY A. Morillo		DATE 16/09/2021	VERSION 1.0
PART NAME Shutter		FILE NAME Shutter.ipt					POS 3.2.2
DEVELOPED BY Tropical Products Institute		REDESIGNED BY OHO e.V.		DOC. TYPE Part		MATERIAL Kiln dried wood	QUANTITY 1
				LICENCE CC-BY-SA 4.0		SCALE 1:1	SHEET 50 /71



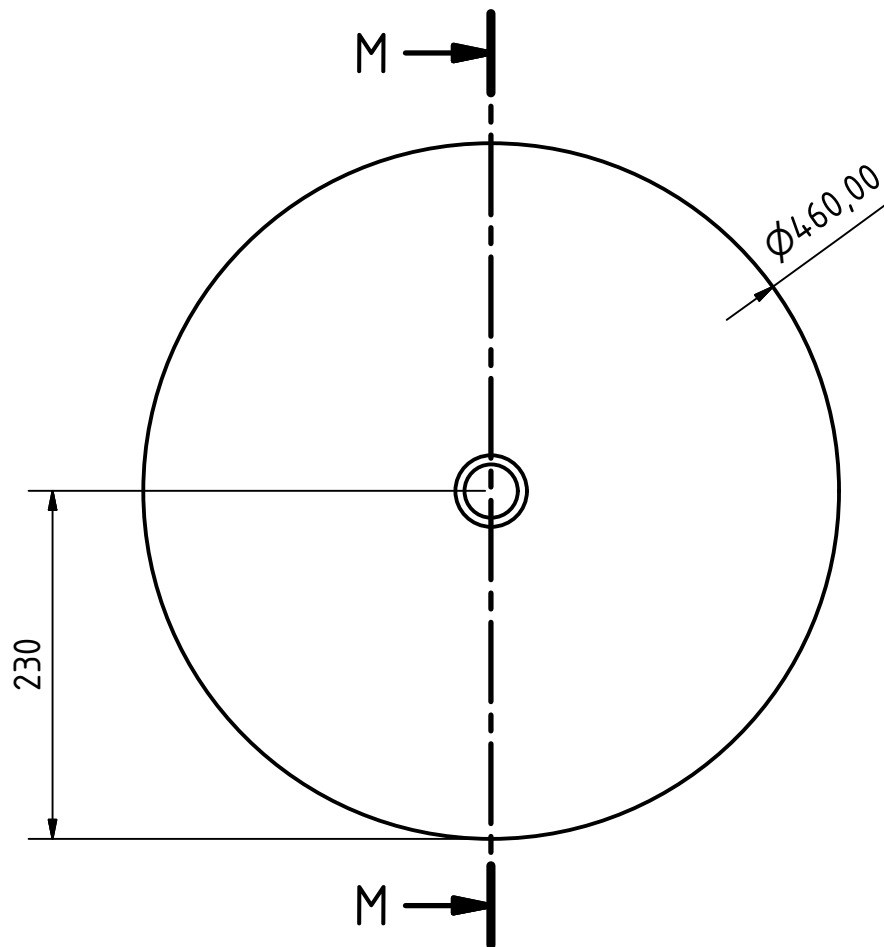
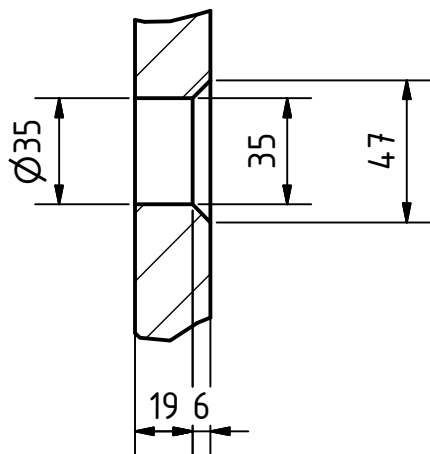
SCALE (1 : 10)

PROJECT Peeling Machine for Sunflower Seeds		CREATED BY L. Ruda		APPROVED BY A. Morillo	DATE 16/09/2021	VERSION 1.0
PART NAME Flywheel assembly		FILE NAME Flywheel assembly.ipn				POS 4.0.0
DEVELOPED BY Tropical Products Institute		REDESIGNED BY OHO e.V.		DOC. TYPE Assembly	MATERIAL	QUANTITY 1
				LICENCE CC-BY-SA 4.0	SCALE 1:10	SHEET 51 /71

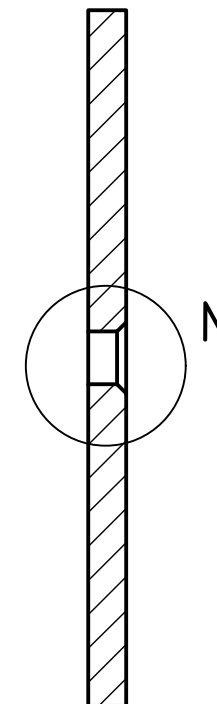


SCALE (1 : 8)

N (0,40 : 1)



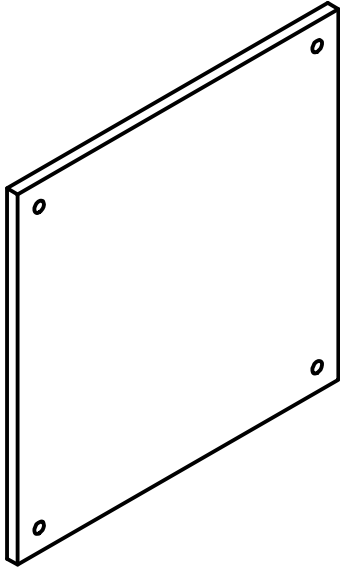
VIEW101 (1 : 5)



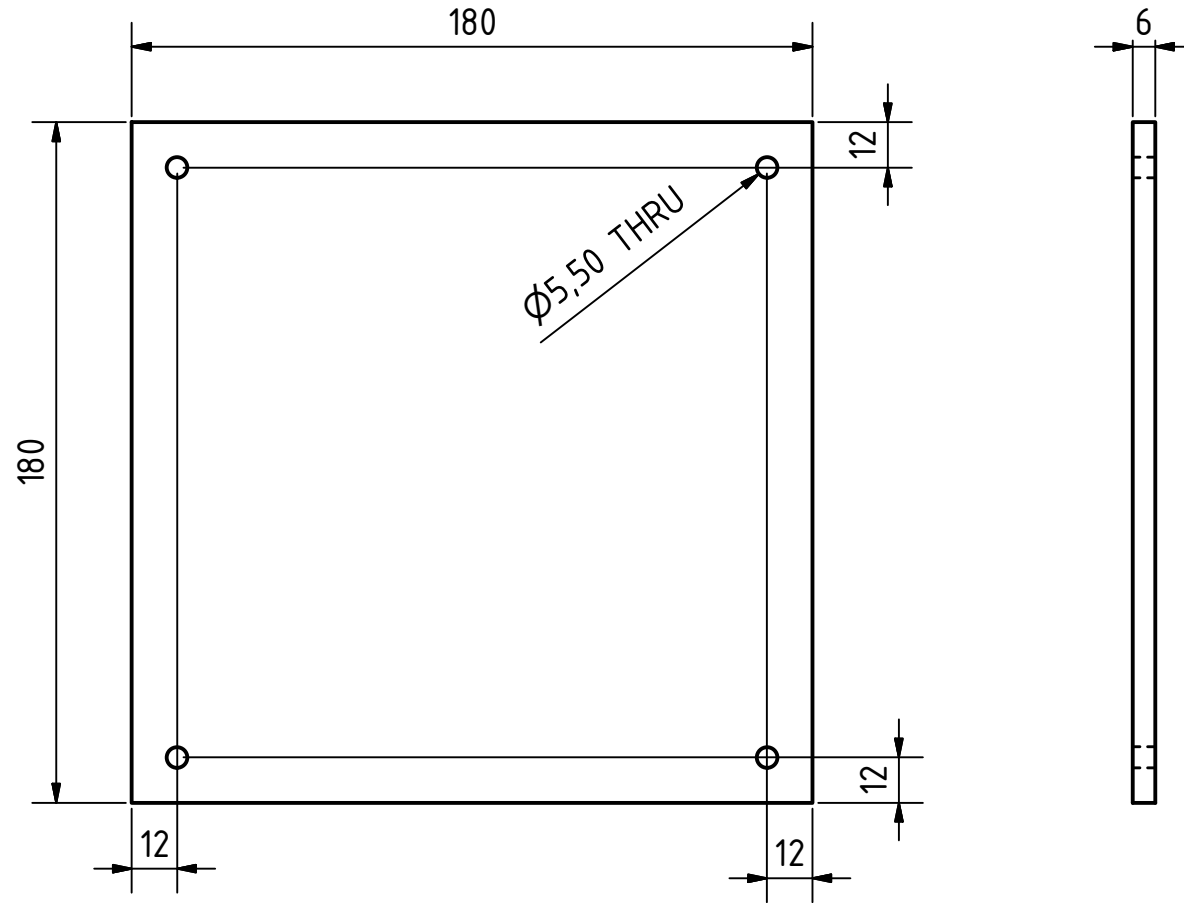
M-M (1 : 5)

Note: All units in mm. Cutting wooden parts with manual tool.

PROJECT Peeling Machine for Sunflower Seeds		CREATED BY L. Ruda		APPROVED BY A. Morillo	DATE 16/09/2021	VERSION 1.0
PART NAME Flywheel		FILE NAME Flywheel.ipt				POS 4.1.0
DEVELOPED BY Tropical Products Institute		REDESIGNED BY OHO e.V.		DOC. TYPE Part	MATERIAL Kiln dried wood	QUANTITY 1
				LICENCE CC-BY-SA 4.0	SCALE 1:5	SHEET 52 /71



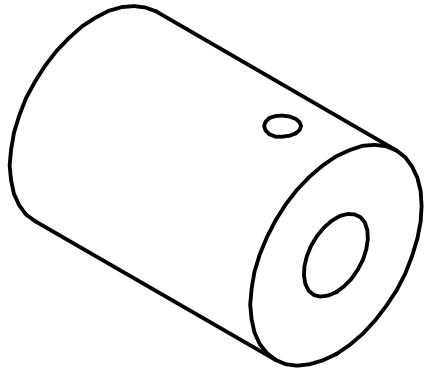
SCALE (1 : 3)



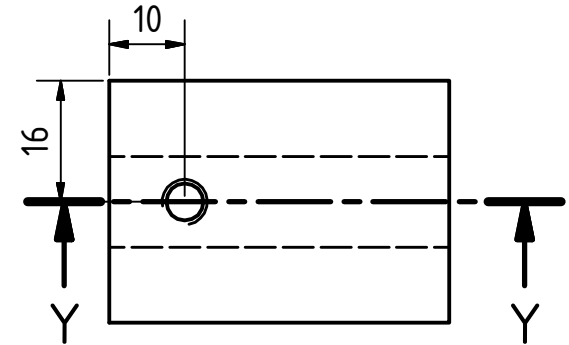
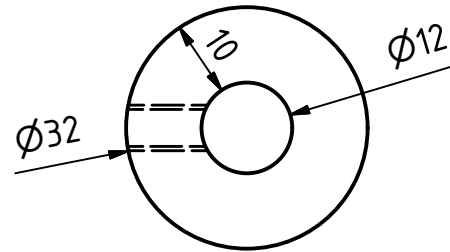
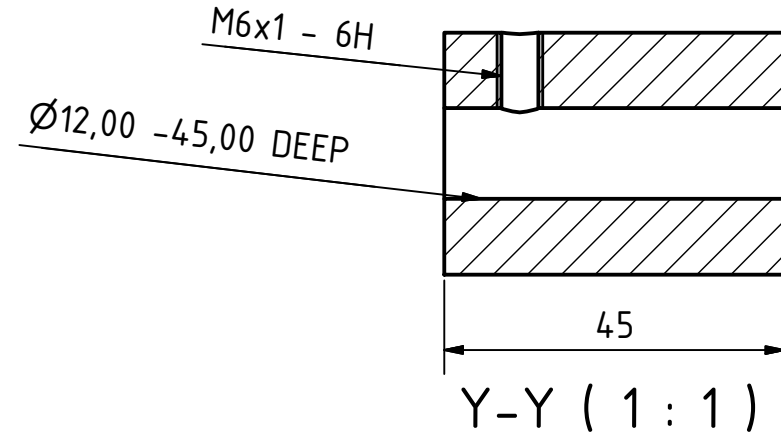
SCALE (1 : 2)

Note: All units in mm.

PROJECT Peeling Machine for Sunflower Seeds		CREATED BY L. Ruda		APPROVED BY A. Morillo	DATE 16/09/2021	VERSION 1.0
PART NAME Drive plate		FILE NAME Drive plate.ipt				POS 4.2.0
DEVELOPED BY		REDESIGNED BY		DOC. TYPE Part	MATERIAL Steel A53	QUANTITY 1
Tropical Products Institute		OHO e.V.		LICENCE CC-BY-SA 4.0	SCALE 1:2	SHEET 53 /71

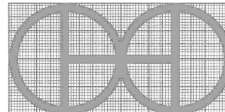


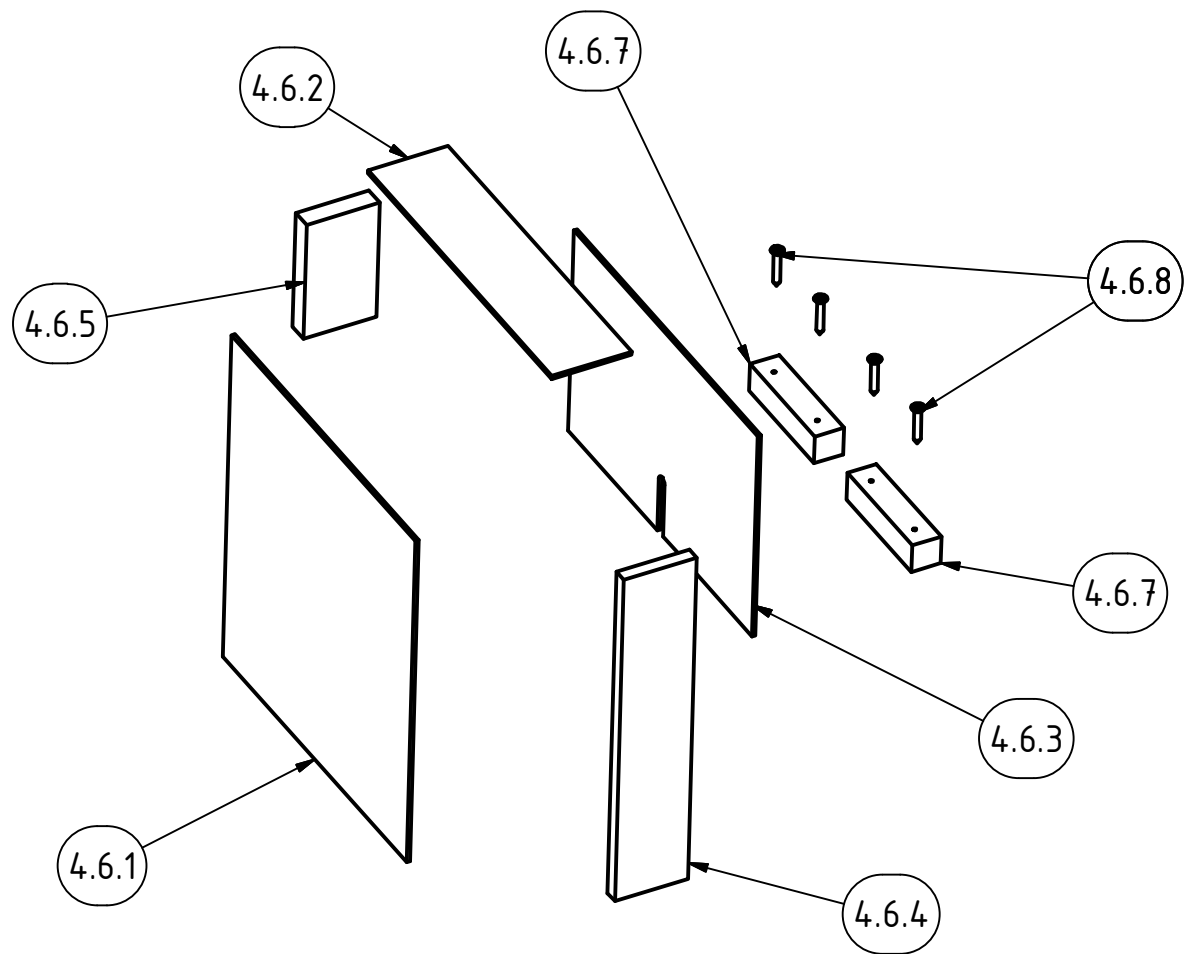
SCALE (1 : 1)



SCALE (1 : 1)

Note: All units in mm.

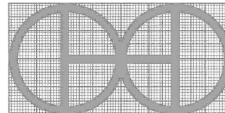
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Peeling Machine for Sunflower Seeds	L. Ruda	A. Morillo	16/09/2021	1.0
PART NAME	FILE NAME			POS
Boss	Boss.ipt			4.3.0
DEVELOPED BY	REDESIGNED BY	DOC. TYPE	MATERIAL	QUANTITY
		Part	Steel A36	1
		LICENCE	SCALE	SHEET
Tropical Products Institute	OHO e.V.	CC-BY-SA 4.0	1:1	54 /71

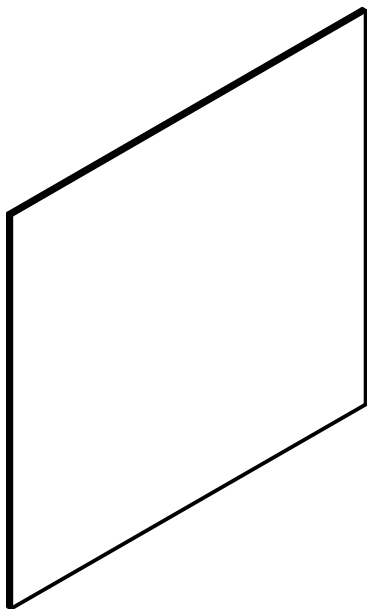


SCALE (1 : 10)

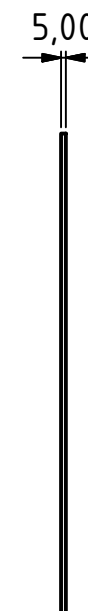
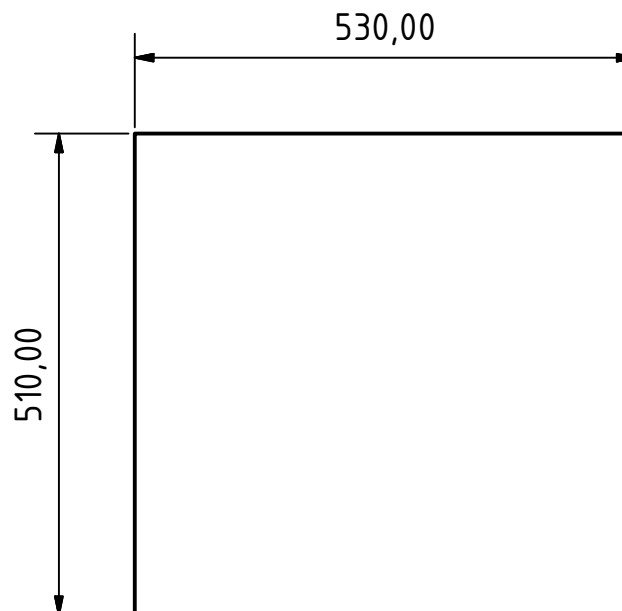
Note: All units in mm.

Note1: For parts union using any type of adhesive for wood.

PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Peeling Machine for Sunflower Seeds	L. Ruda	A. Morillo	16/09/2021	1.0
PART NAME	FILE NAME	POS		
Cover	Cover.ipn	4.6.0		
DEVELOPED BY	REDESIGNED BY	DOC. TYPE	MATERIAL	QUANTITY
		Assembly		1
		LICENCE	SCALE	SHEET
Tropical Products Institute	OHO e.V.	CC-BY-SA 4.0	1:10	55 /71



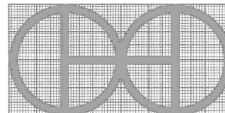
SCALE (1 : 8)

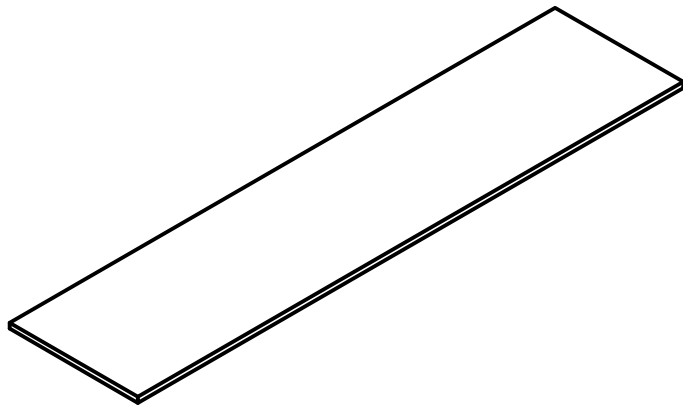


SCALE (1 : 8)

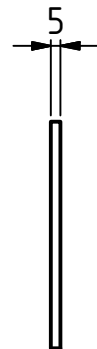
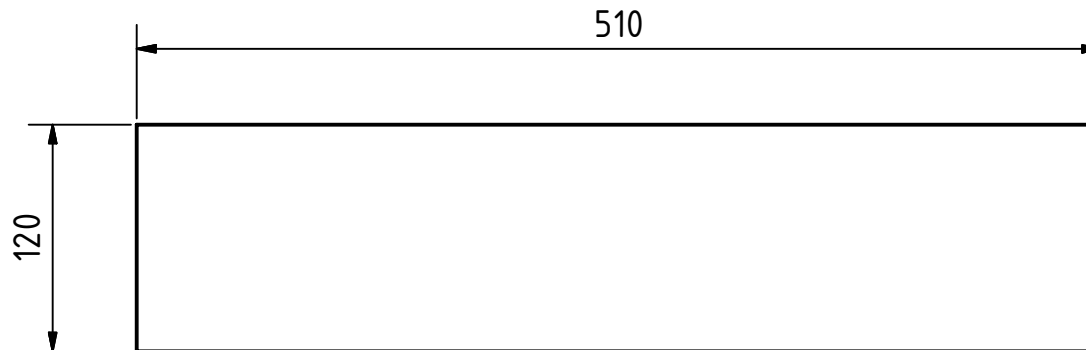
Note: All units in mm.

NOTE: All units in mm

PROJECT Peeling Machine for Sunflower Seeds		CREATED BY L. Ruda		APPROVED BY A. Morillo		DATE 16/09/2021	VERSION 1.0
PART NAME Back		FILE NAME Back.ipt					POS 4.6.1
DEVELOPED BY Tropical Products Institute		REDESIGNED BY 		DOC. TYPE Part	MATERIAL Kiln dried wood		QUANTITY 1
				LICENCE CC-BY-SA 4.0		SCALE 1:8	SHEET 56 /71
OHO e.V.							

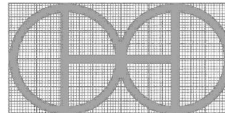


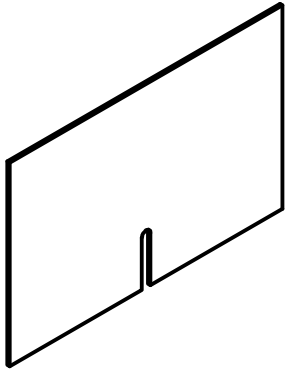
SCALE (1 : 5)



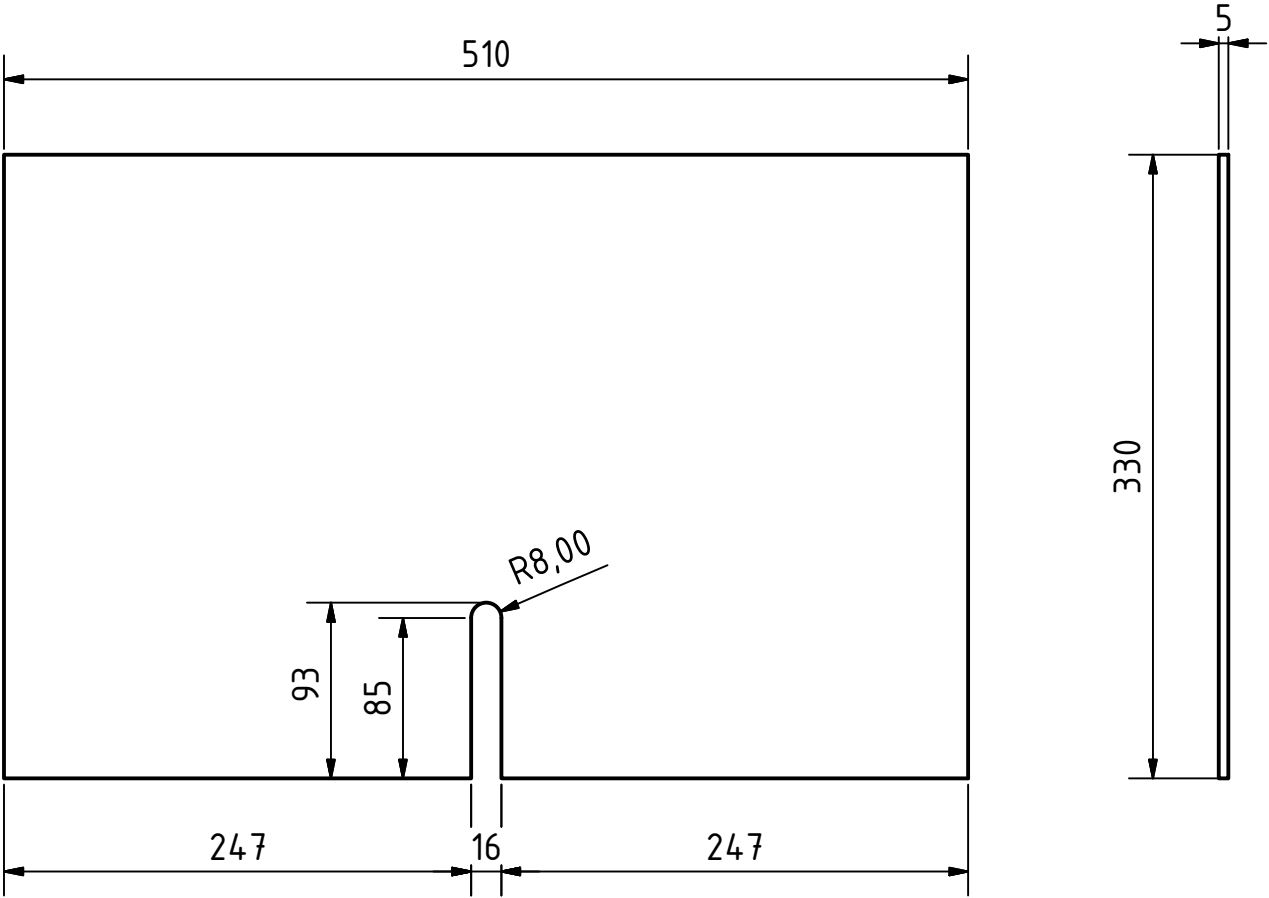
SCALE (1 : 4)

Note: All units in mm.

PROJECT Peeling Machine for Sunflower Seeds		CREATED BY L. Ruda	APPROVED BY A. Morillo	DATE 16/09/2021	VERSION 1.0
PART NAME Top1		FILE NAME Top1.ipt			POS 4.6.2
DEVELOPED BY Tropical Products Institute	REDESIGNED BY 	DOC. TYPE Part	MATERIAL Kiln dried wood		QUANTITY 1
		LICENCE CC-BY-SA 4.0	SCALE 1:4	SHEET 57 /71	
OHO e.V.					

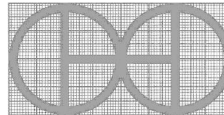


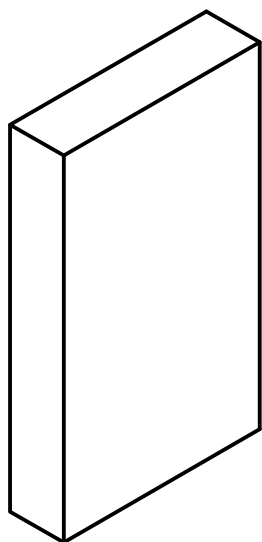
SCALE (1 : 10)



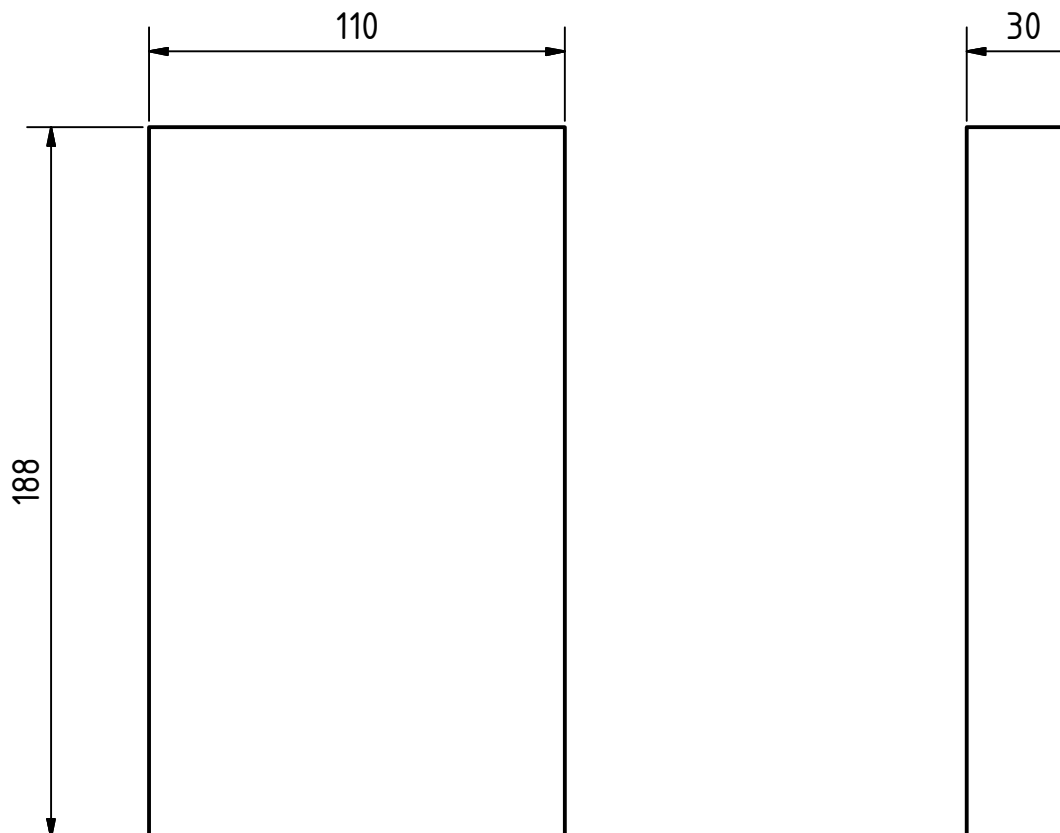
SCALE (1 : 4)

Note: All units in mm.

PROJECT Peeling Machine for Sunflower Seeds		CREATED BY L. Ruda		APPROVED BY A. Morillo		DATE 16/09/2021	VERSION 1.0
PART NAME Front		FILE NAME Front.ipt					POS 4.6.3
DEVELOPED BY		REDESIGNED BY 		DOC. TYPE Part	MATERIAL Kiln dried wood		QUANTITY 1
Tropical Products Institute		OHO e.V.		LICENCE CC-BY-SA 4.0		SCALE 1:4	SHEET 58 /71



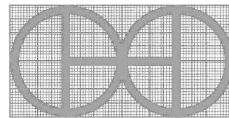
SCALE (1 : 3)

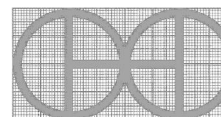


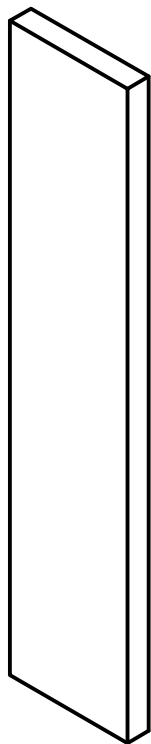
SCALE (1 : 2)

Note: All units in mm.

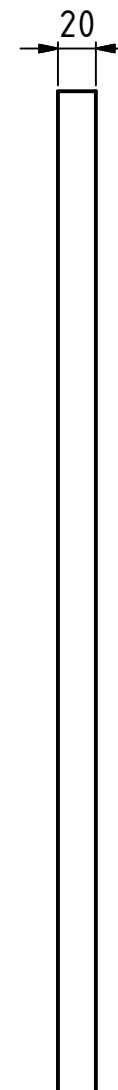
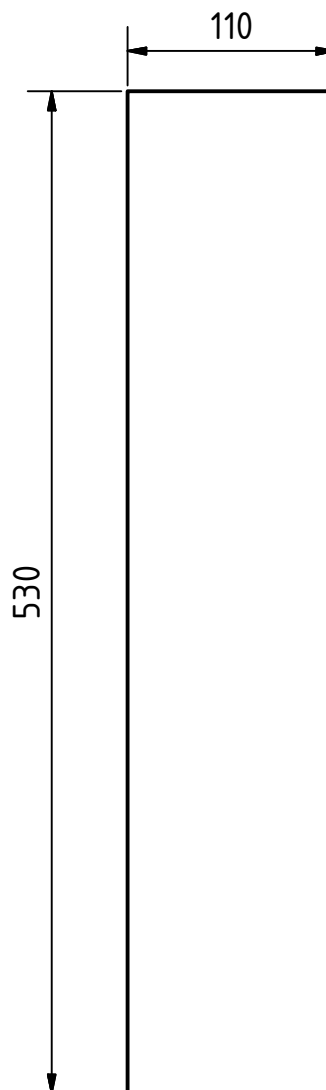
NOTE: All units in mm

PROJECT Peeling Machine for Sunflower Seeds		CREATED BY L. Ruda		APPROVED BY A. Morillo		DATE 16/09/2021	VERSION 1.0
PART NAME L.H side		FILE NAME L.H side.ipt					POS 4.6.4
DEVELOPED BY Tropical Products Institute		REDESIGNED BY OHO e.V.		DOC. TYPE Part		MATERIAL Kiln dried wood	QUANTITY 1
				LICENCE CC-BY-SA 4.0		SCALE 1:2	SHEET 59 /71





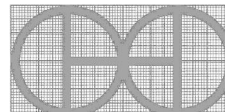
SCALE (1 : 5)

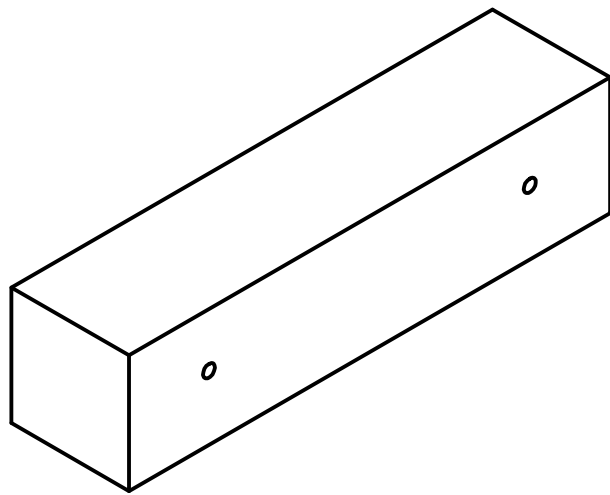


SCALE (1 : 4)

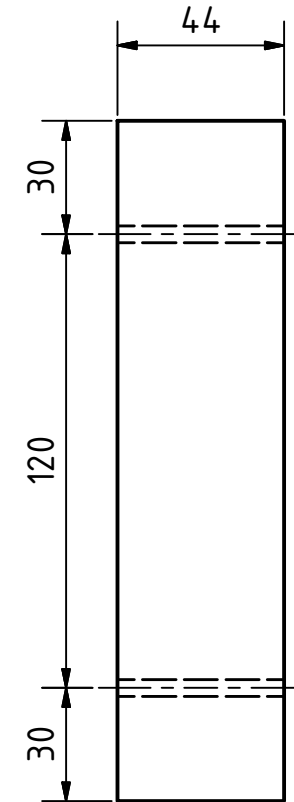
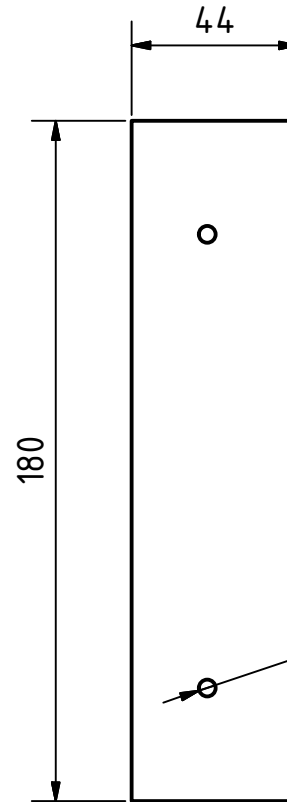
Note: All units in mm.

NOTE: All units in mm

PROJECT Peeling Machine for Sunflower Seeds		CREATED BY L. Ruda		APPROVED BY A. Morillo		DATE 16/09/2021	VERSION 1.0
PART NAME R.Hside		FILE NAME R.Hside.ipt					POS 4.6.5
DEVELOPED BY Tropical Products Institute		REDESIGNED BY 		DOC. TYPE Part	MATERIAL Kiln dried wood		QUANTITY 1
				LICENCE CC-BY-SA 4.0		SCALE 1:4	SHEET 60 /71
OHO e.V.							

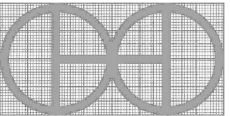


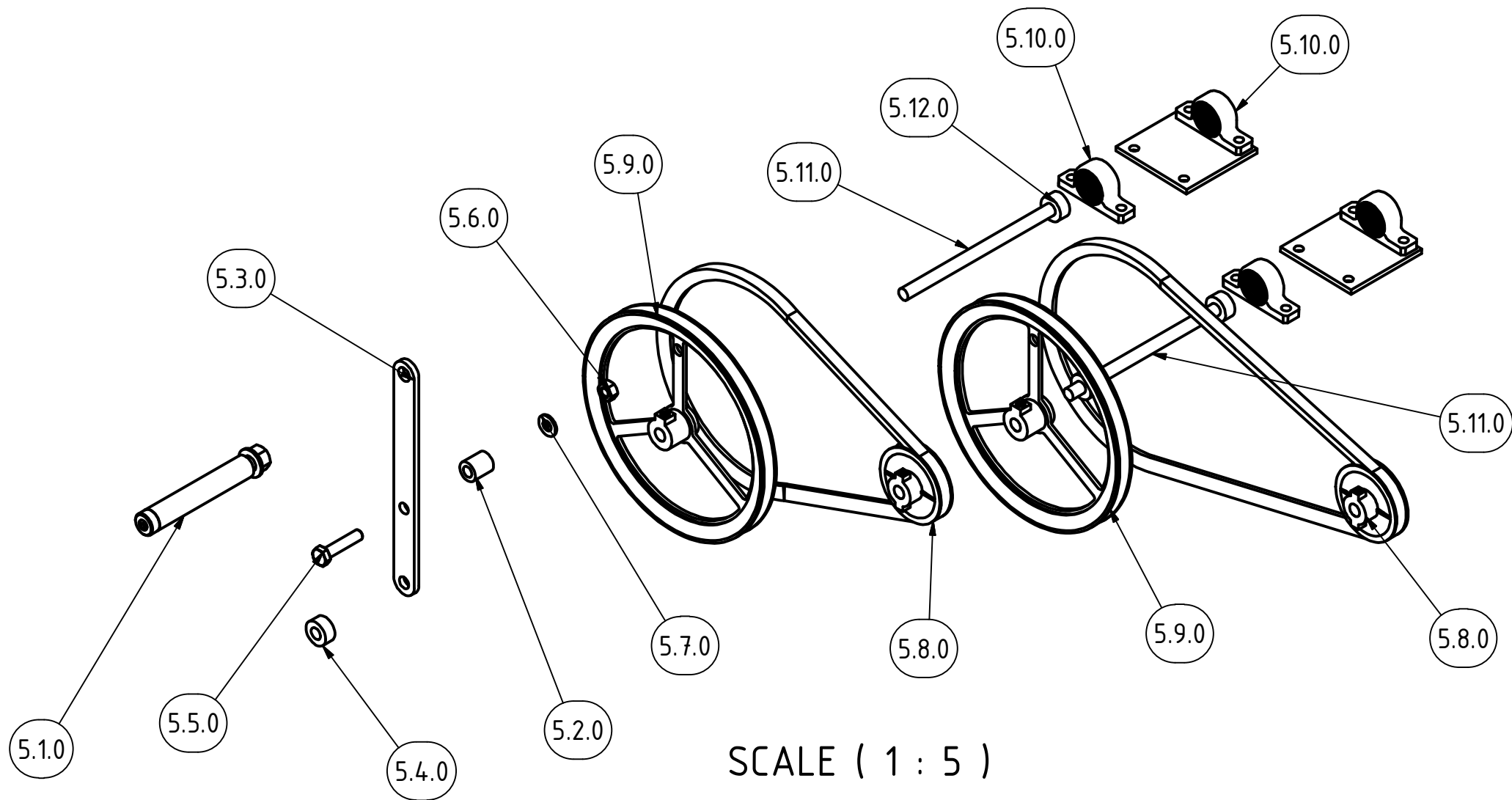
SCALE (1 : 2)



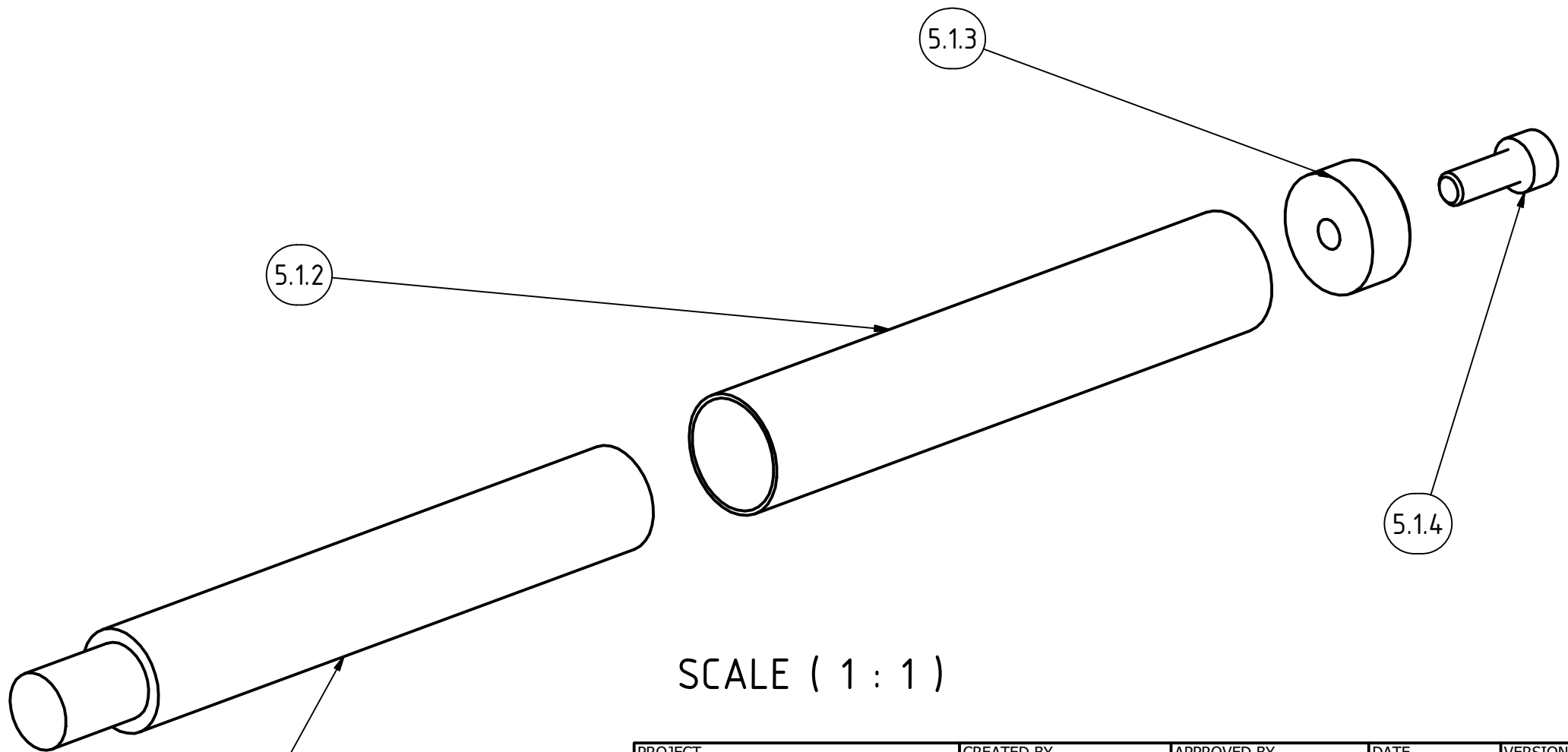
VIEW98 (1 : 2)

Note: All units in mm.

PROJECT Peeling Machine for Sunflower Seeds		CREATED BY L. Ruda	APPROVED BY A. Morillo	DATE 16/09/2021	VERSION 1.0
PART NAME Block		FILE NAME Block.ipt			POS 4.6.7
DEVELOPED BY Tropical Products Institute		REDESIGNED BY  OHO e.V.	DOC. TYPE Part	MATERIAL Kiln dried wood	QUANTITY 2
			LICENCE CC-BY-SA 4.0	SCALE 1:2	SHEET 61 /71



PROJECT Peeling Machine for Sunflower Seeds		CREATED BY L. Ruda		APPROVED BY A. Morillo	DATE 16/09/2021	VERSION 1.0
PART NAME Drive handle assembly		FILE NAME Drive handle assembly.ipn				POS 5.0.0
DEVELOPED BY Tropical Products Institute		REDESIGNED BY OHO e.V.		DOC. TYPE Assembly	MATERIAL	QUANTITY 1
				LICENCE CC-BY-SA 4.0	SCALE 1:5	SHEET 62 /71



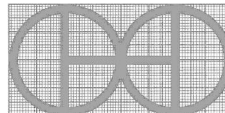
SCALE (1 : 1)

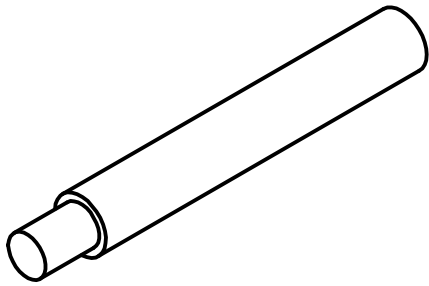
5.1.1

5.1.2

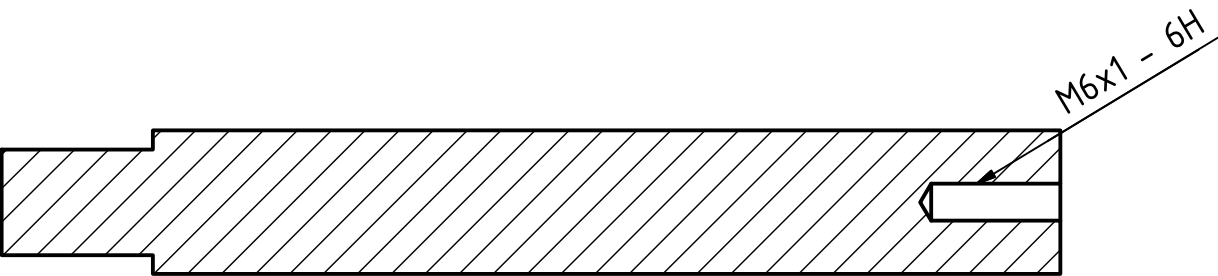
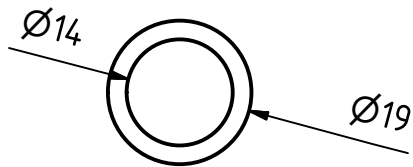
5.1.3

5.1.4

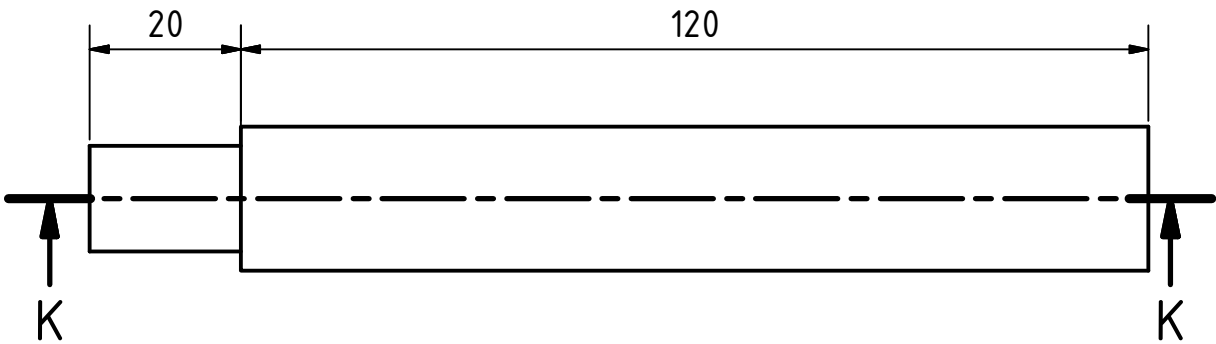
PROJECT Peeling Machine for Sunflower Seeds		CREATED BY L. Ruda		APPROVED BY A. Morillo	DATE 16/09/2021	VERSION 1.0
PART NAME Handle for drive pulley		FILE NAME Handle for drive pulley.ipn				POS 5.1.0
DEVELOPED BY Tropical Products Institute		REDESIGNED BY OHO e.V.		DOC. TYPE Assembly	MATERIAL	QUANTITY 1
				LICENCE CC-BY-SA 4.0	SCALE 1:1	SHEET 63 /71



SCALE (1 : 2)

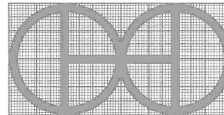


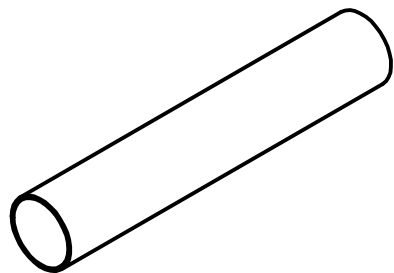
K-K (1 : 1)



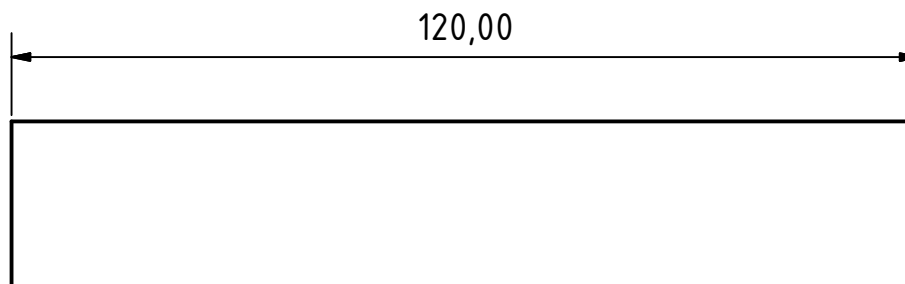
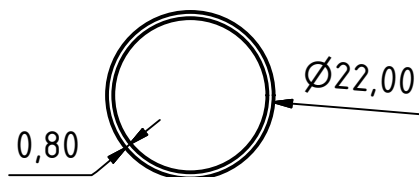
SCALE (1 : 1)

Note: All units in mm.

PROJECT Peeling Machine for Sunflower Seeds		CREATED BY L. Ruda		APPROVED BY A. Morillo		DATE 16/09/2021	VERSION 1.0	
PART NAME Main shaft		FILE NAME Main shaft.ipt					POS 5.1.1	
DEVELOPED BY Tropical Products Institute		REDESIGNED BY 		DOC. TYPE Part		MATERIAL Steel A53		QUANTITY 1
				LICENCE CC-BY-SA 4.0		SCALE 1:1	SHEET 64 /71	

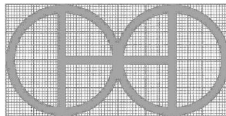


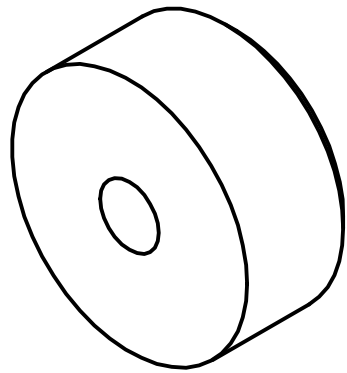
SCALE (1 : 2)



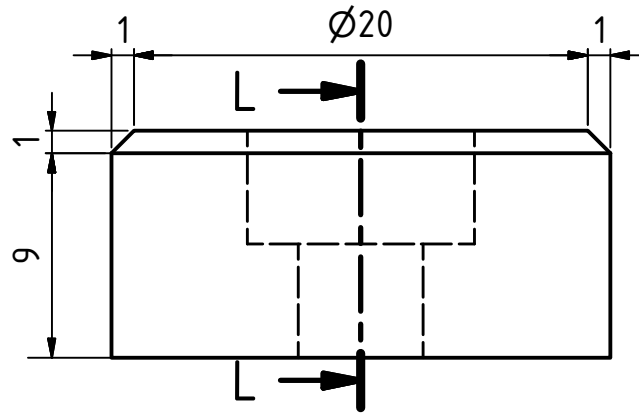
SCALE (1 : 1)

Note: All units in mm.

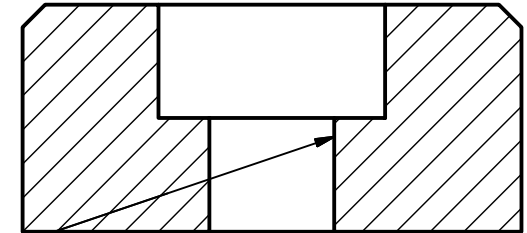
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Peeling Machine for Sunflower Seeds	L. Ruda	A. Morillo	16/09/2021	1.0
PART NAME	FILE NAME	POS		
Tube dia, 22 x 0,8 wall	Tube dia, 22 x 0,8 wall.ipt	5.1.2		
DEVELOPED BY	REDESIGNED BY	DOC. TYPE	MATERIAL	QUANTITY
Tropical Products Institute		Part	Brass	1
		LICENCE	SCALE	SHEET
OHO e.V.		CC-BY-SA 4.0	1:1	65 /71



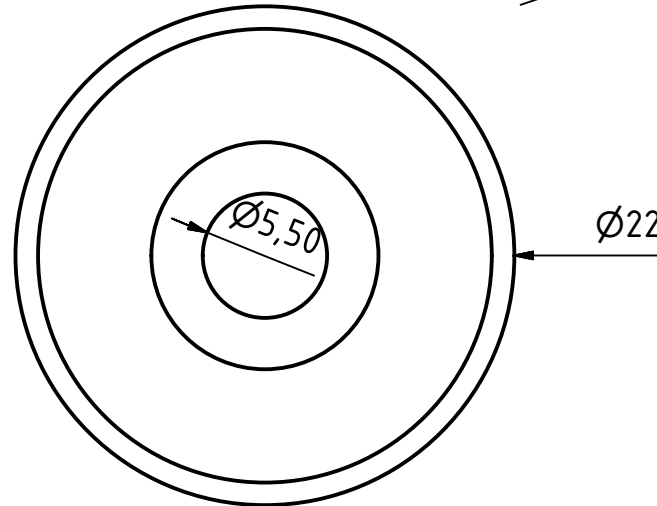
SCALE (2 : 1)



Ø5,50 -11,18 DEEP
DIN 974 - Ø10,00 X 5,00

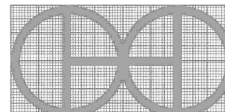


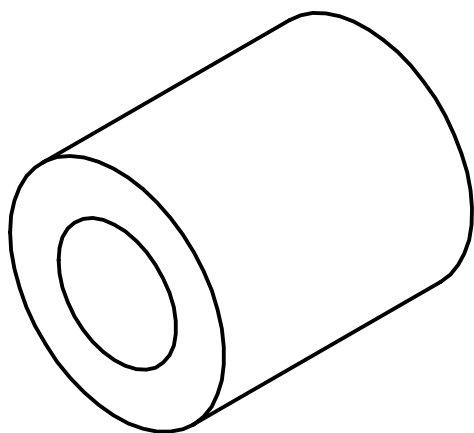
L-L (3 : 1)



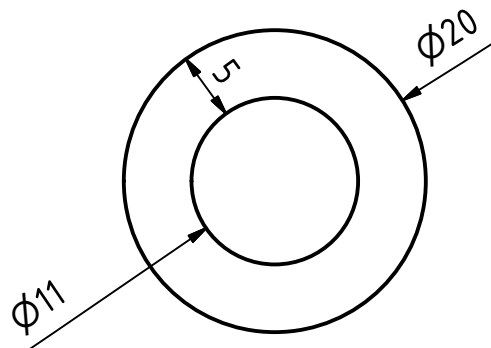
SCALE (3 : 1)

Note: All units in mm.

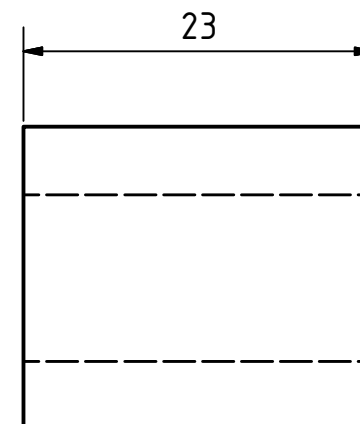
PROJECT Peeling Machine for Sunflower Seeds		CREATED BY L. Ruda		APPROVED BY A. Morillo	DATE 16/09/2021	VERSION 1.0
PART NAME Back stop		FILE NAME Back stop.ipt				POS 5.1.3
DEVELOPED BY		REDESIGNED BY 		DOC. TYPE Part	MATERIAL Steel A53	QUANTITY 1
Tropical Products Institute		OHO e.V.		LICENCE CC-BY-SA 4.0	SCALE 3:1	SHEET 66 /71



SCALE (2 : 1)

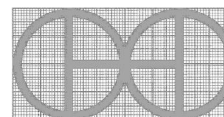


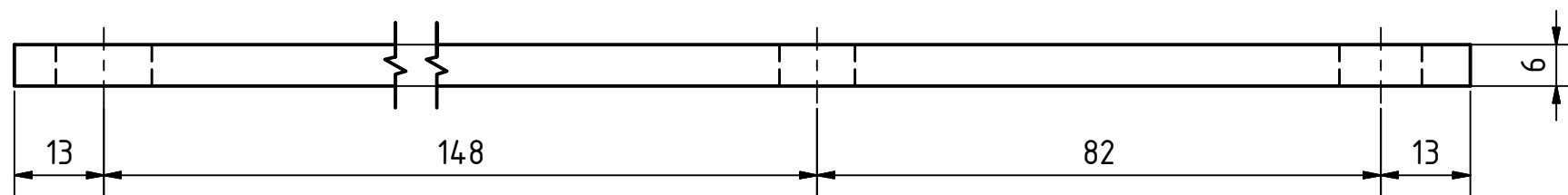
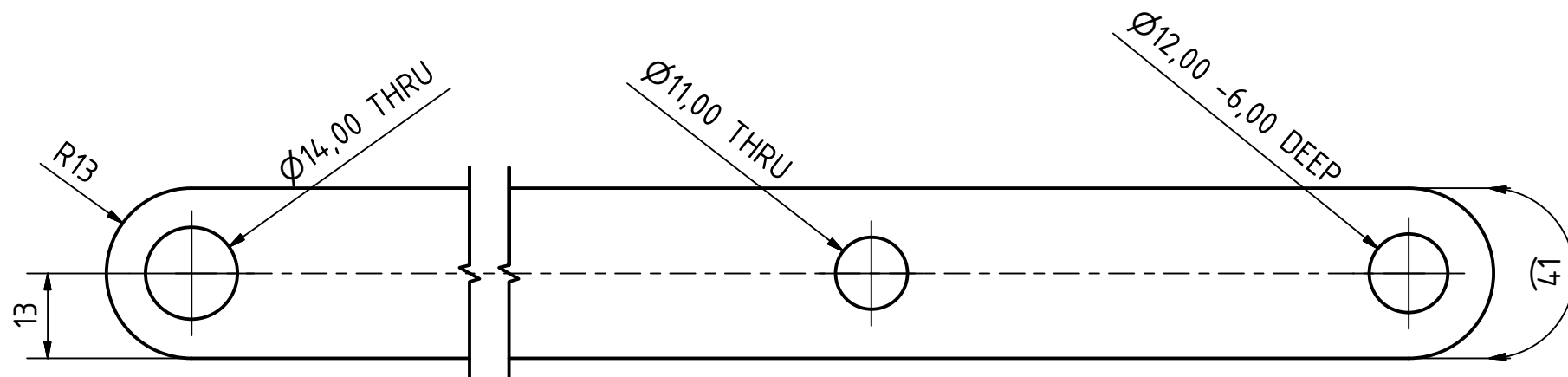
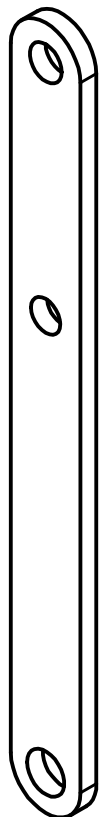
SCALE (2 : 1)



Note: All units in mm.

PROJECT Peeling Machine for Sunflower Seeds		CREATED BY L. Ruda		APPROVED BY A. Morillo	DATE 16/09/2021	VERSION 1.0
PART NAME Spacer		FILE NAME Spacer.ipt				POS 5.2.0
DEVELOPED BY		REDESIGNED BY		DOC. TYPE Part	MATERIAL Steel A53	QUANTITY 1
Tropical Products Institute		OHO e.V.		LICENCE CC-BY-SA 4.0	SCALE 2:1	SHEET 67 /71



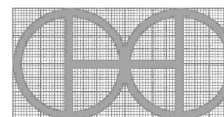


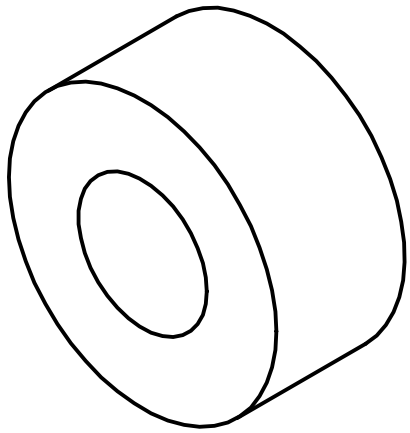
SCALE (1 : 2)

SCALE (1 : 1)

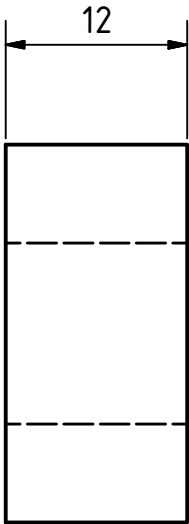
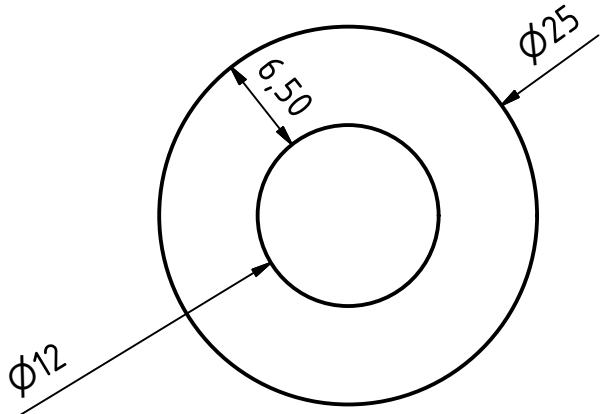
Note: All units in mm.

PROJECT Peeling Machine for Sunflower Seeds		CREATED BY L. Ruda		APPROVED BY A. Morillo	DATE 16/09/2021	VERSION 1.0
PART NAME Arm1		FILE NAME Arm1.ipt				POS 5.3.0
DEVELOPED BY		REDESIGNED BY		DOC. TYPE Part	MATERIAL Steel A53	QUANTITY 1
Tropical Products Institute		OHO e.V.		LICENCE CC-BY-SA 4.0	SCALE 1:1	SHEET 68 /71



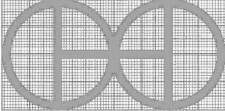


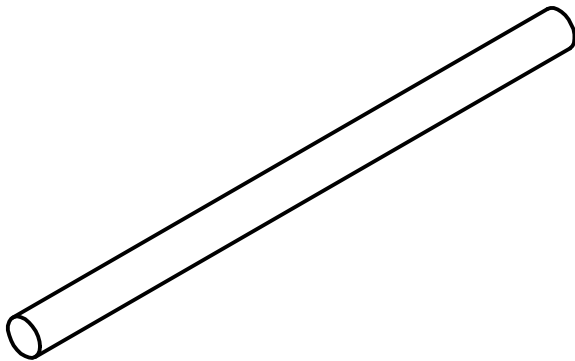
SCALE (2 : 1)



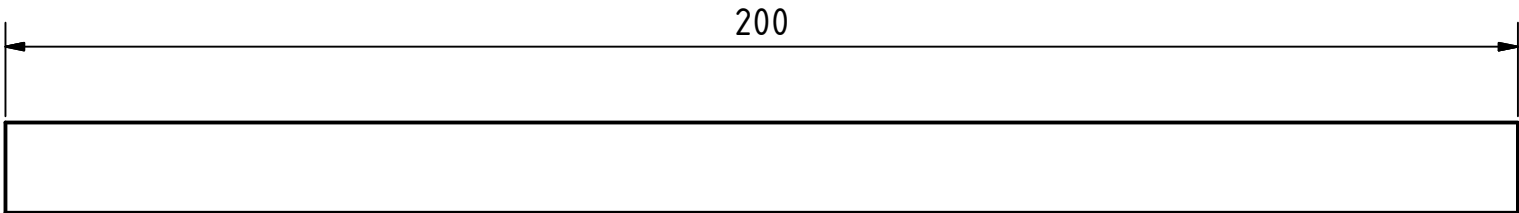
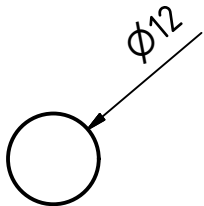
SCALE (2 : 1)

Note: All units in mm.

PROJECT Peeling Machine for Sunflower Seeds		CREATED BY L. Ruda		APPROVED BY A. Morillo	DATE 16/09/2021	VERSION 1.0
PART NAME Collar dia. 12 bore		FILE NAME Collar dia. 12 bore.ipt				POS 5.4.0
DEVELOPED BY Tropical Products Institute		REDESIGNED BY 		DOC. TYPE Part	MATERIAL Steel A53	QUANTITY 4
OHO e.V.		LICENCE CC-BY-SA 4.0		SCALE 2:1		SHEET 69 /71

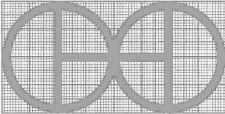


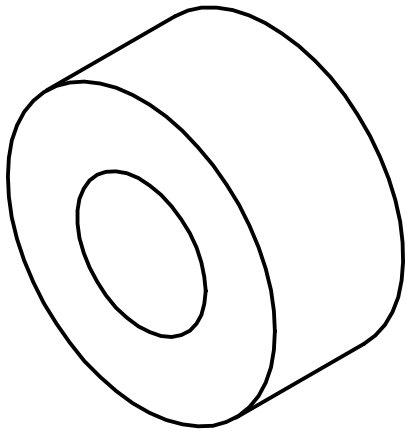
SCALE (1 : 2)



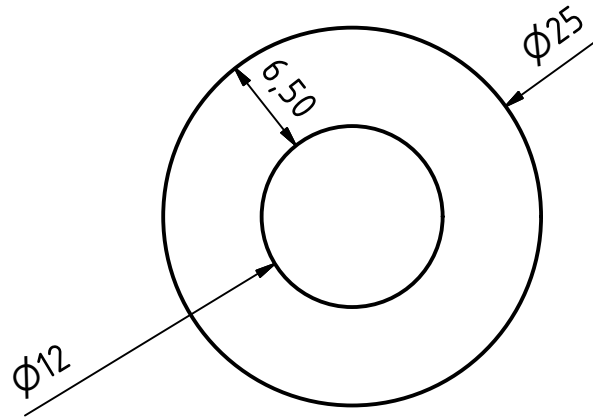
SCALE (1 : 1)

Note: All units in mm.

PROJECT		CREATED BY		APPROVED BY	DATE	VERSION
Peeling Machine for Sunflower Seeds		L. Ruda		A. Morillo	16/09/2021	1.0
PART NAME		FILE NAME				POS
Shafts		Shafts.ipt				5.11.0
DEVELOPED BY		REDESIGNED BY		DOC. TYPE	MATERIAL	QUANTITY
				Part	Steel A53	2
				LICENCE	SCALE	SHEET
Tropical Products Institute		OHO e.V.		CC-BY-SA 4.0	1:1	70 /71

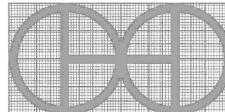


SCALE (2 : 1)



SCALE (2 : 1)

Note: All units in mm.

PROJECT Peeling Machine for Sunflower Seeds		CREATED BY L. Ruda		APPROVED BY A. Morillo	DATE 16/09/2021	VERSION 1.0
PART NAME Collar dia. 12 bore		FILE NAME Collar dia. 12 bore.ipt				POS 5.12.0
DEVELOPED BY Tropical Products Institute		REDESIGNED BY 		DOC. TYPE Part	MATERIAL Steel A53	QUANTITY 4
OHO e.V.		LICENCE CC-BY-SA 4.0		SCALE 2:1		SHEET 71 /71