
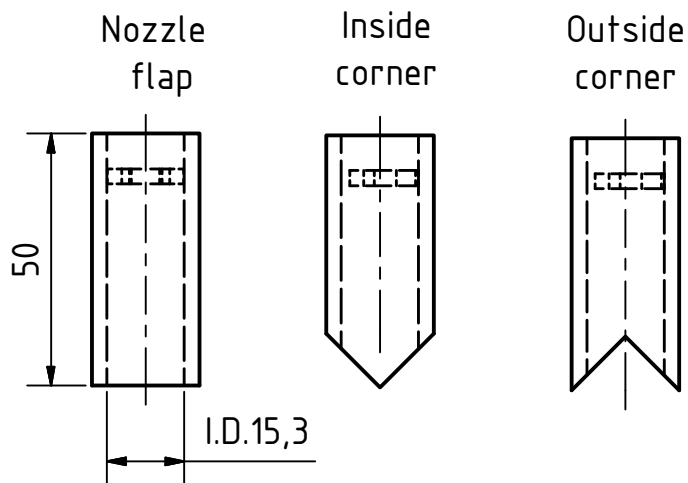
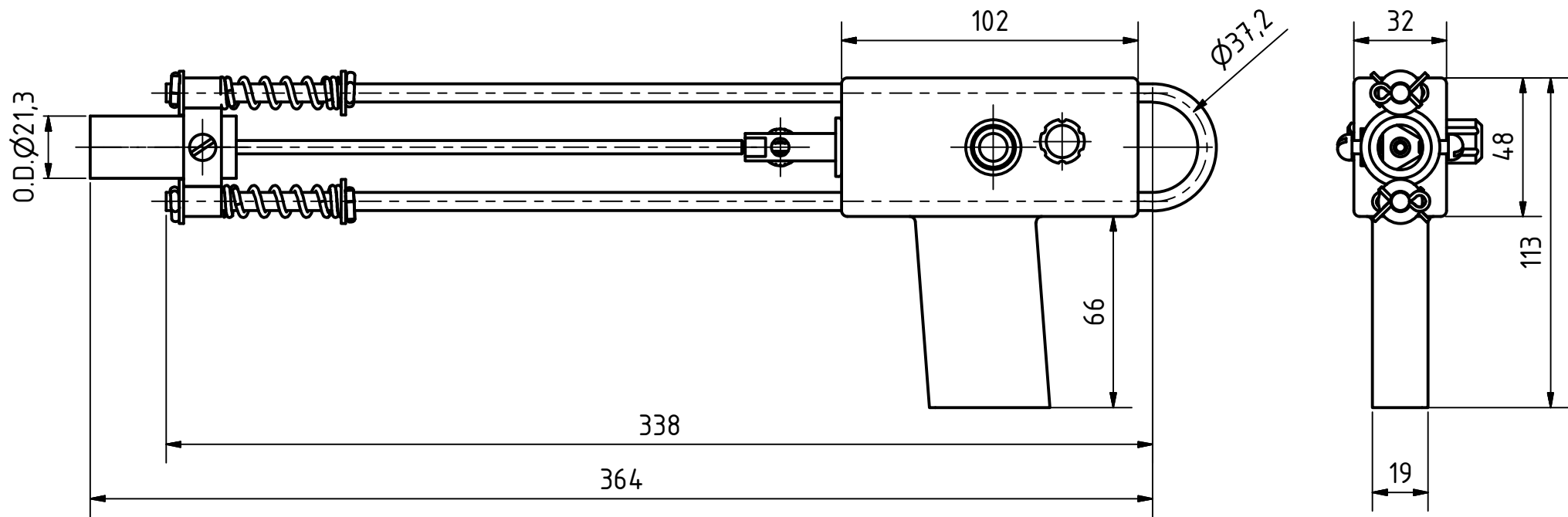


Note: All units in mm.

PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Welding gun multifunctional & diy	D. MOSQUERA	A. MORILLO	01/08/2021	1.0
PART NAME	FILE NAME	POS		
3d views	oho_wg_A1-welding-gun-multifunctional-and-diy.iam			A1
DEVELOPED BY	REDESIGNED BY	DOC. TYPE	MATERIAL	QUANTITY
	 OPEN SOURCE ECOLOGY GERMANY	Assembly		1
		LICENCE	SCALE	SHEET
Phillip M. Wilson	OHO e.V.	CC-BY-SA 4.0	1:1,5	1 /25

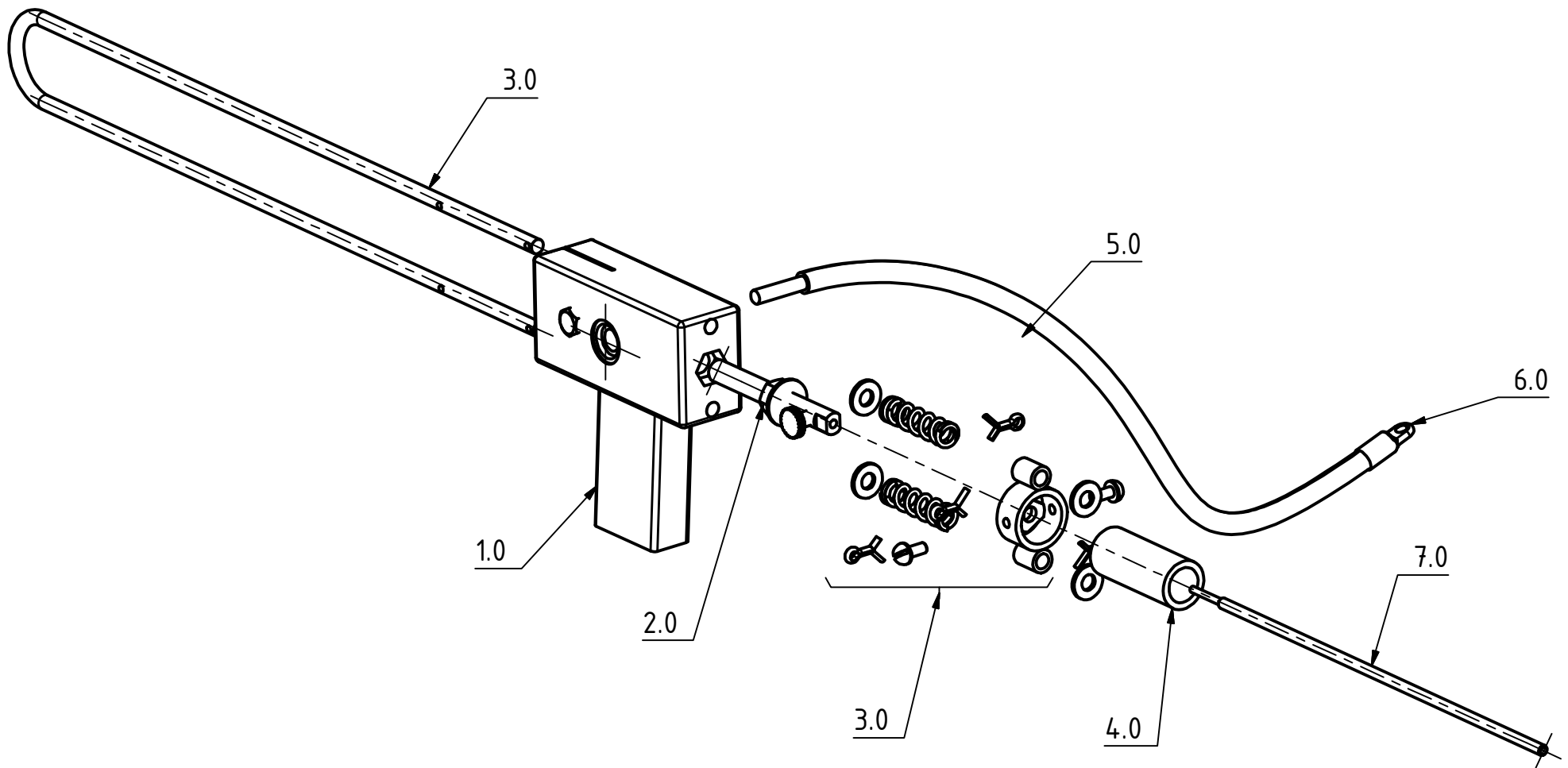



Note: All units in mm.

PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Welding gun multifunctional & diy	D. MOSQUERA	A. MORILLO	01/08/2021	1.0
PART NAME	FILE NAME	POS		
3d views	oho_wg_A1-welding-gun-multifunctional-and-diy.iam			A1
DEVELOPED BY	REDESIGNED BY	DOC. TYPE	MATERIAL	QUANTITY
Phillip M. Wilson	OHO e.V.	Assembly		1
		LICENCE	SCALE	SHEET
		CC-BY-SA 4.0		2 / 25




OPEN SOURCE ECOLOGY  
GERMANY




PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Welding gun multifunctional & diy	D. MOSQUERA	A. MORILLO	01/08/2021	1.0
PART NAME	FILE NAME			POS
Exploded 3d view	oho_wg_A1-welding-gun-multifunctional-and-diy.ipn			A2
DEVELOPED BY	REDESIGNED BY	DOC. TYPE	MATERIAL	QUANTITY
Phillip M. Wilson	 OPEN SOURCE ECOLOGY GERMANY	Assembly		1
		LICENCE	SCALE	SHEET
		CC-BY-SA 4.0	1:2	3 /25
	OHO e.V.			


Parts list						
POS	QTY	PART NAME	FILE NAME	PART TYPE	SPECIFICATIONS	SHEET
A1	1	3d views	oho_wg_A1-welding-gun-multifuntional-and-diy.iam			1
A1	1	3d views	oho_wg_A1-welding-gun-multifuntional-and-diy.iam			2
A2	1	Exploded 3d view	oho_wg_A1-welding-gun-multifuntional-and-diy.ipn			3
B1		Parts list	oho_wg_part-list.xls			4
B2		Parts list				5
C1		Technical notes				6
C2		Technical notes				7
1.0	1	Handle	oho_wg_Handle.iam			8
1.0	1	Handle	oho_wg_Handle.ipn			9
1.1	1	Handle	oho_wg_handle.ipt	Production	Wood	10
1.2	1	Knob	oho_wg_knob.ipt	Production	Plastic HD	11
1.3	1	bolt 1/4x45	oho_vsw_bolt-1-4x45.ipt	Standard	bolt 1/4x45, 1/4 in. stud x 1-1/4 in.long	
1.4	1	Fiber sleeve	oho_wg_fiber-sleeve.ipt	Production	Fiber or plastic insulation	12
1.5	1	Copper tube	oho_wg_cooper-tube.ipt	Production	pipe - Sch 80, copper	13
2.0	1	Conductor tube	oho_wg_conductor-tube.iam			14
2.0	1	Conductor tube	oho_wg_conductor-tube.ipn			15
2.1	1	Conductor tube	oho_wg_conductor-tube.ipt	Production	copper	16
2.2	1	Bolt 1/4 in.	oho_wg_bolt-1-4x19.ipt	Production	Bolt modif Ø1/4-16UNC, Steel C45	17
2.3	1	Tee nut	oho_wg_tee-nut.ipt	Standard	Tee nut, Ø3/8-16UNC	
3.0	1	Brass rod	oho_wg_Brass rod.iam			18
3.0	1	Brass rod	oho_wg_Brass rod.ipn			19
3.1	1	Slide rod	oho_wg_slide-rod.ipt	Production	stainless steel or non corrosive metal, brass, bronze	20
3.2	1	suport	oho_wg_suport.iam	Production	nominal 1/8" -nominal 3/4" -sch 40, Steel C45	21
3.3	2	Compress Spring	Compress Spring1.ipt	Standard	Compress Spring, Sprint 11x7x2 Long: 40 - light load	
3.4	4	Washer 1/4"	oho_wg_Washer-M6.ipt	Standard	Washer 1/4"	
3.5	2	bolt 3/16 UNF	oseg_swt_bolt-M4x10.ipt	Standard	bolt 3/16 UNF, 3/16 UNF - round head	
3.6	4	pin	oho_wg_pin.ipt	Standard	pin, pin 1/4 Steel C45	


PROJECT		CREATED BY		APPROVED BY		DATE	VERSION
Welding gun multifuntional & diy		D. MOSQUERA		A. MORILLO		01/08/2021	1.0
PART NAME		FILE NAME					POS
Parts list		oho_wg_part-list.xls					B1
DEVELOPED BY		REDESIGNED BY		DOC. TYPE	MATERIAL		QUANTITY
		 OPEN SOURCE ECOLOGY GERMANY		Parts list			
				LICENCE		SCALE	SHEET
Phillip M. Wilson		OHO e.V.		CC-BY-SA 4.0			4 /25

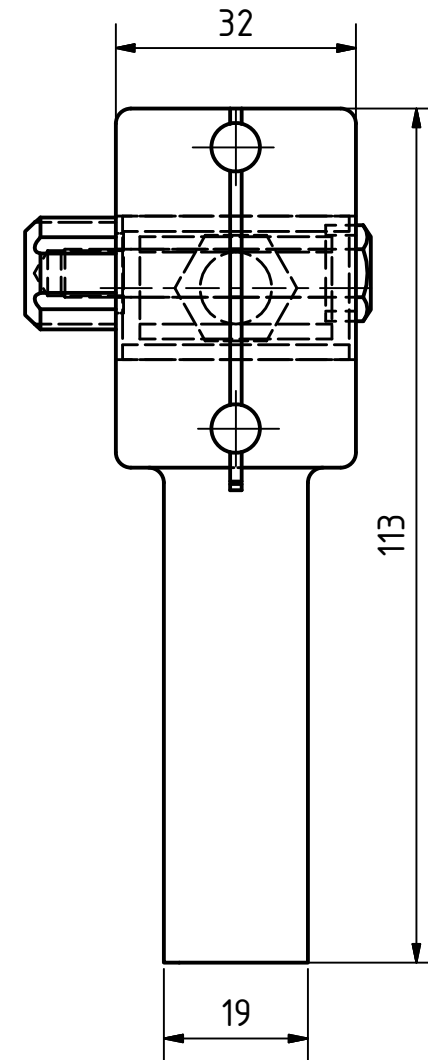
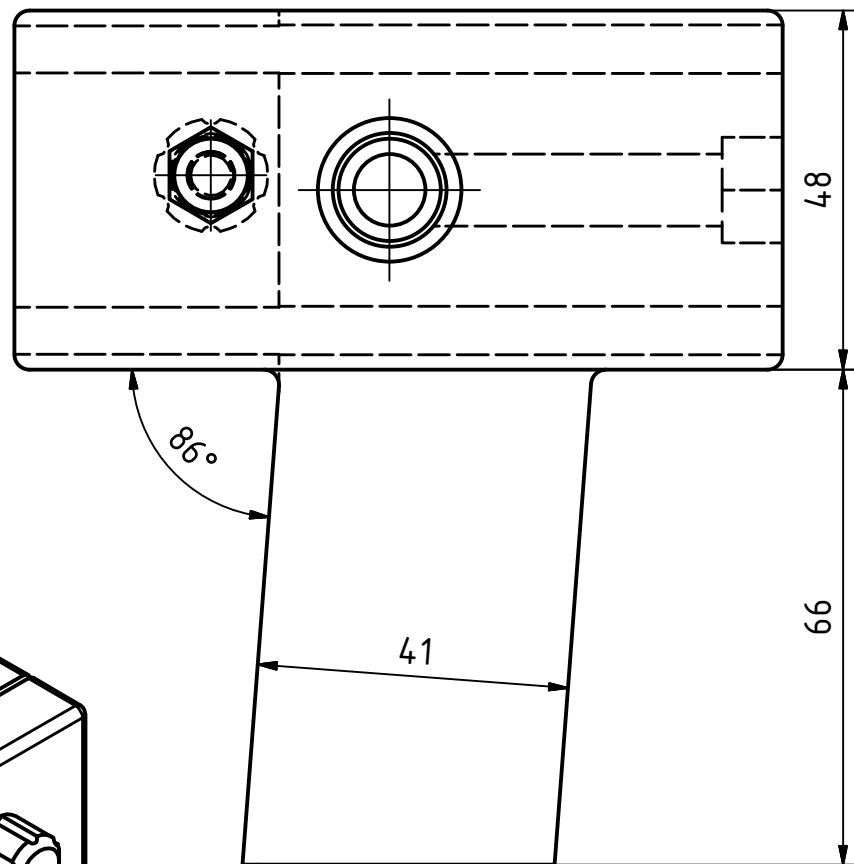
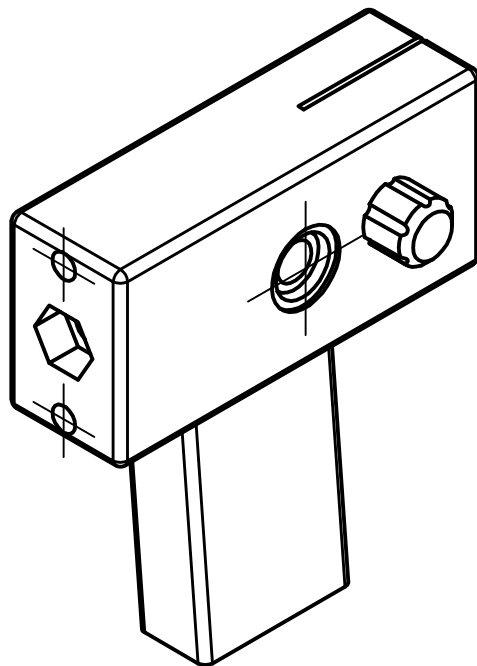
Parts list						
POS	QTY	PART NAME	FILE NAME	PART TYPE	SPECIFICATIONS	SHEET
4.0	1	Nozzle holder	oho_wg_nozzle-holder.iam			22
4.0	1	Nozzle holder	oho_wg_nozzle-holder.ipn			23
4.1	1	Nozzle holder	oho_wg_nozzle-holder.ipt	Production	tube 1/2" a 5/8" x 2" long, copper	24
4.2	1	Sheet hole	oho_wg_sheet-hole.ipt	Production	Steel C45	25
5.0	1	Welding cable	oho_wg_welding-cable.ipt	Standard	Welding cable, no.4 rubber-jacket type - 3.0 mts, cable copper	
6.0	1	Lug#4	oho_wg_lug#4.ipt	Standard	Lug#4, for cable 100-amp lug, copper	

PROJECT		CREATED BY		APPROVED BY		DATE	VERSION
Welding gun multifuntional & diy		D. MOSQUERA		A. MORILLO		01/08/2021	1.0
PART NAME		FILE NAME					POS
Parts list							B2
DEVELOPED BY		REDESIGNED BY		DOC. TYPE	MATERIAL		QUANTITY
		 OPEN SOURCE ECOLOGY GERMANY		Parts list			
				LICENCE			
Phillip M. Wilson		OHO e.V.		CC-BY-SA 4.0		SCALE	SHEET
							5 /25


TECHNICL 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
Foundations fixing	- The ground must be stable and have a low water table. - The structure must be fixed on firm oncrete soil or on poured footings with steel reinforcement. - The anchorage can be bolted with expansive ramplugs or welded.
Wood treatment	- The wood must be treated with pesticides and kiln-dried to ensure adequate humidity. - Wood sealer should be applied for later use.
...	...
...	...

PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Welding gun multifunctional & diy	D. MOSQUERA	A. MORILLO	01/08/2021	1.0
PART NAME	FILE NAME			POS
Technical notes				C1
DEVELOPED BY	REDESIGNED BY	DOC. TYPE	MATERIAL	QUANTITY
	 OPEN SOURCE ECOLOGY GERMANY	Technical notes		
Phillip M. Wilson	OHO e.V.	LICENCE	SCALE	SHEET
		CC-BY-SA 4.0		6 /25

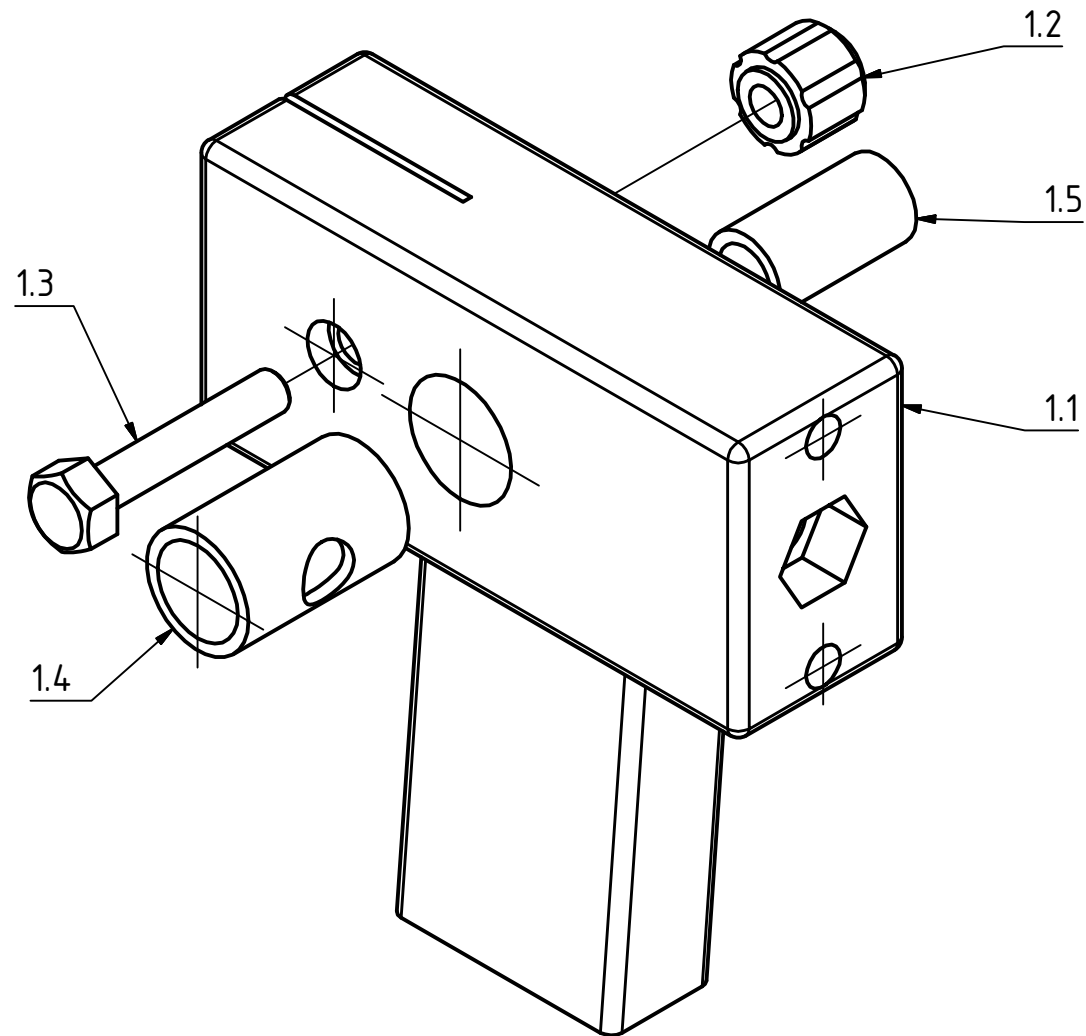
NOTES		TECHNICL NOTES				
DIAGRAM X	CONTENT					
DESCRIPTION						
		PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
		Welding gun multifuntional & diy	D. MOSQUERA	A. MORILLO	01/08/2021	1.0
		PART NAME	FILE NAME			POS
		Technical notes				C2
		DEVELOPED BY	REDESIGNED BY	DOC. TYPE	MATERIAL	QUANTITY
				Technical notes		
				LICENCE	SCALE	SHEET
		Phillip M. Wilson	OHO e.V.	CC-BY-SA 4.0		7 /25



Note: All units in mm.

PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Welding gun multifuntional & diy	D. MOSQUERA	A. MORILLO	01/08/2021	1.0
PART NAME	FILE NAME	POS		
Handle	oho_wg_Handle.iam	1.0		
DEVELOPED BY	REDESIGNED BY	DOC. TYPE	MATERIAL	QUANTITY
Phillip M. Wilson	 OPEN SOURCE ECOLOGY GERMANY	Assembly		1
		LICENCE	SCALE	SHEET
	OHO e.V.	CC-BY-SA 4.0	1:1	8 /25



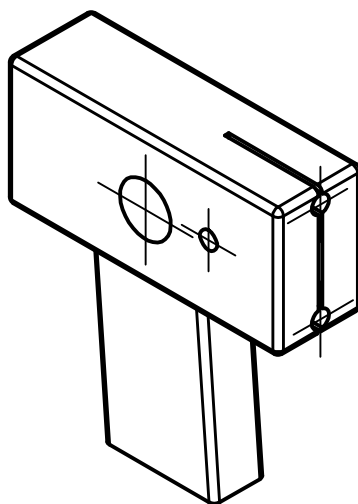
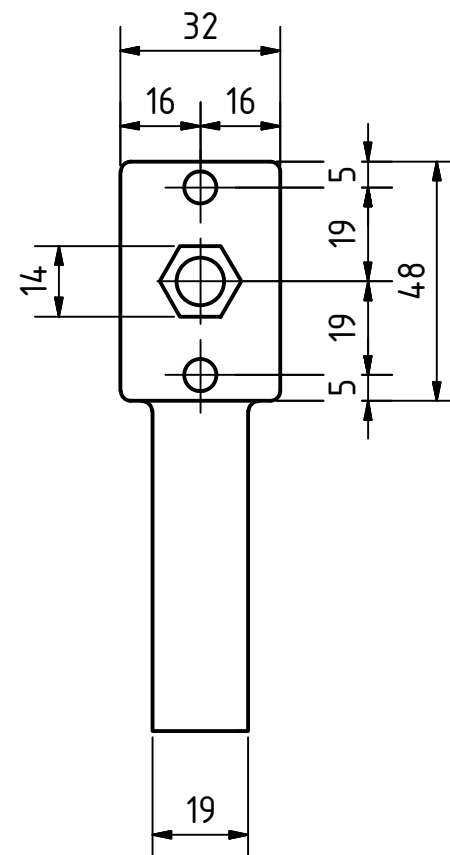
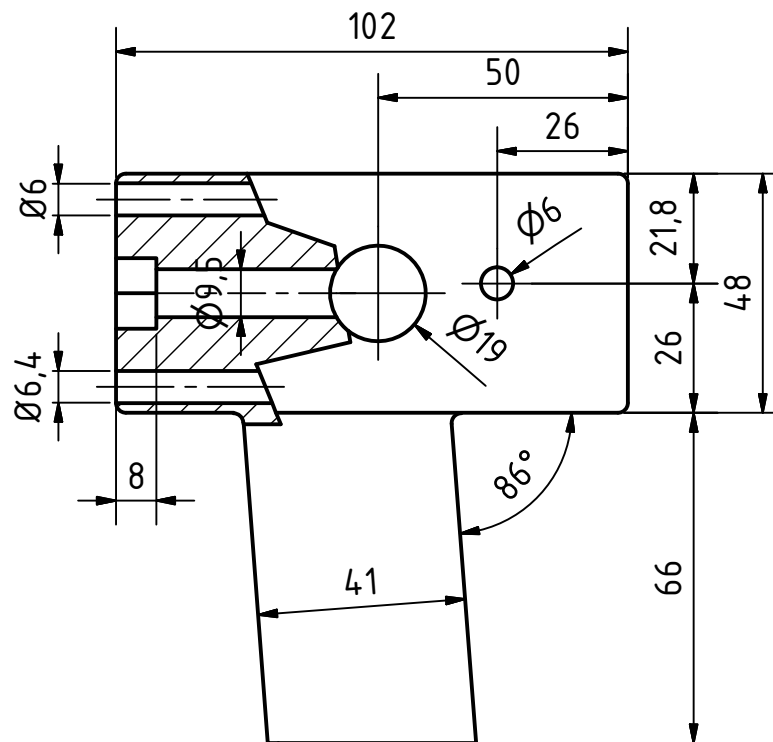
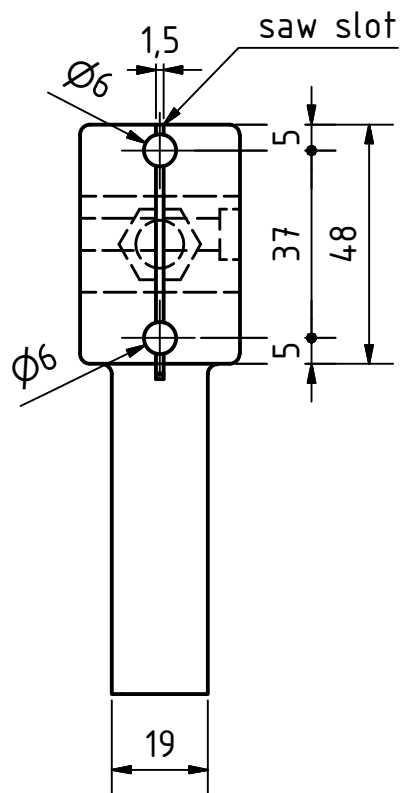


Note: All units in mm.

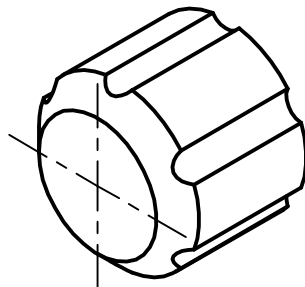
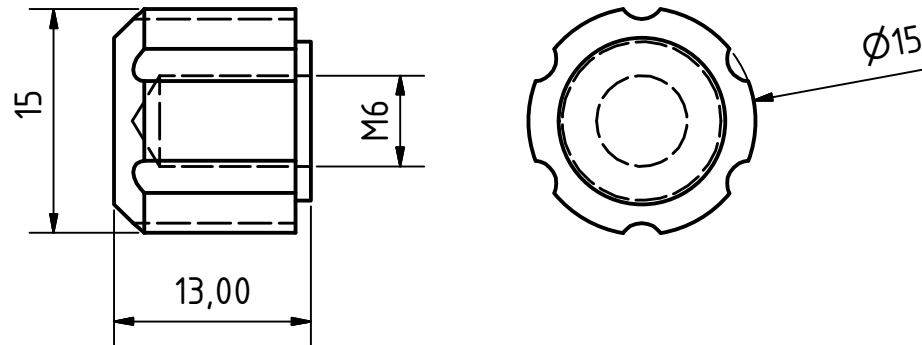
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Welding gun multifuntional & diy	D. MOSQUERA	A. MORILLO	01/08/2021	1.0
PART NAME	FILE NAME	POS		
Handle	oho_wg_Handle.ipn	1.0		
DEVELOPED BY	REDESIGNED BY	DOC. TYPE	MATERIAL	QUANTITY
		Assembly		1
		LICENCE	SCALE	SHEET
Phillip M. Wilson	OHO e.V.	CC-BY-SA 4.0	1:1	9 /25




OPEN SOURCE ECOLOGY  
GERMANY

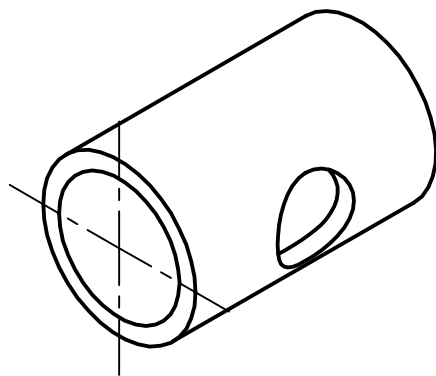
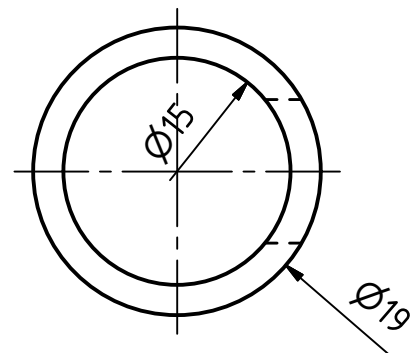
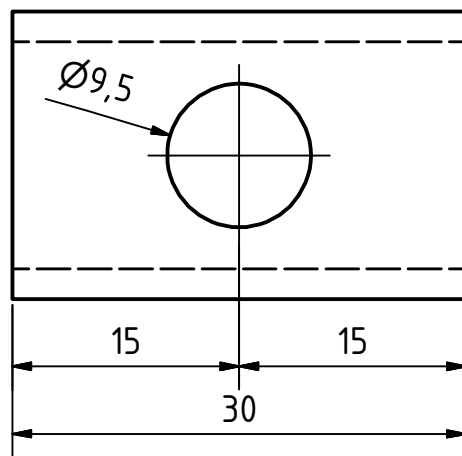


PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Welding gun multifunctional & diy	D. MOSQUERA	A. MORILLO	01/08/2021	1.0
PART NAME	FILE NAME	POS		
Handle	oho_wg_handle.ipt	1.1		
DEVELOPED BY	REDESIGNED BY	DOC. TYPE	MATERIAL	QUANTITY
Phillip M. Wilson	OHO e.V.	Part	Wood	1
		LICENCE	SCALE	SHEET
		CC-BY-SA 4.0	1:1,5	10 /25

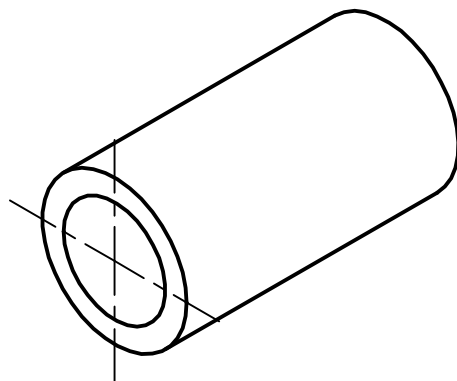
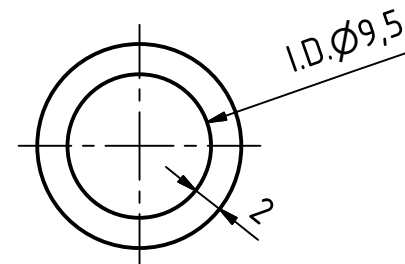
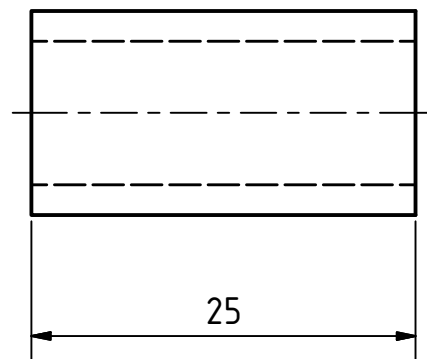



An electronic supply house or radio repair shop can supply a knob of this type

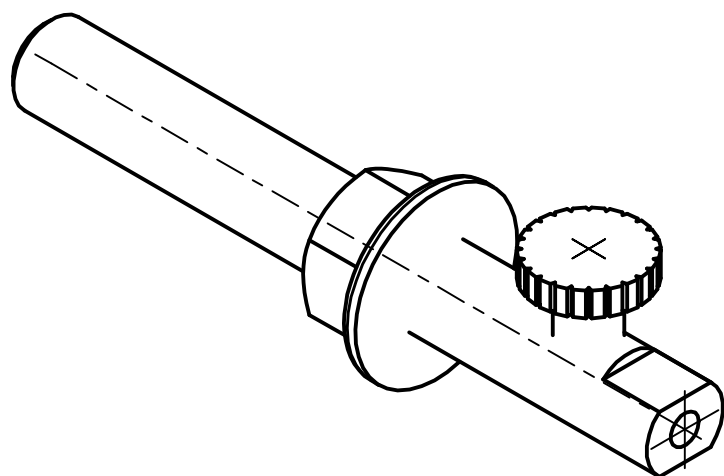
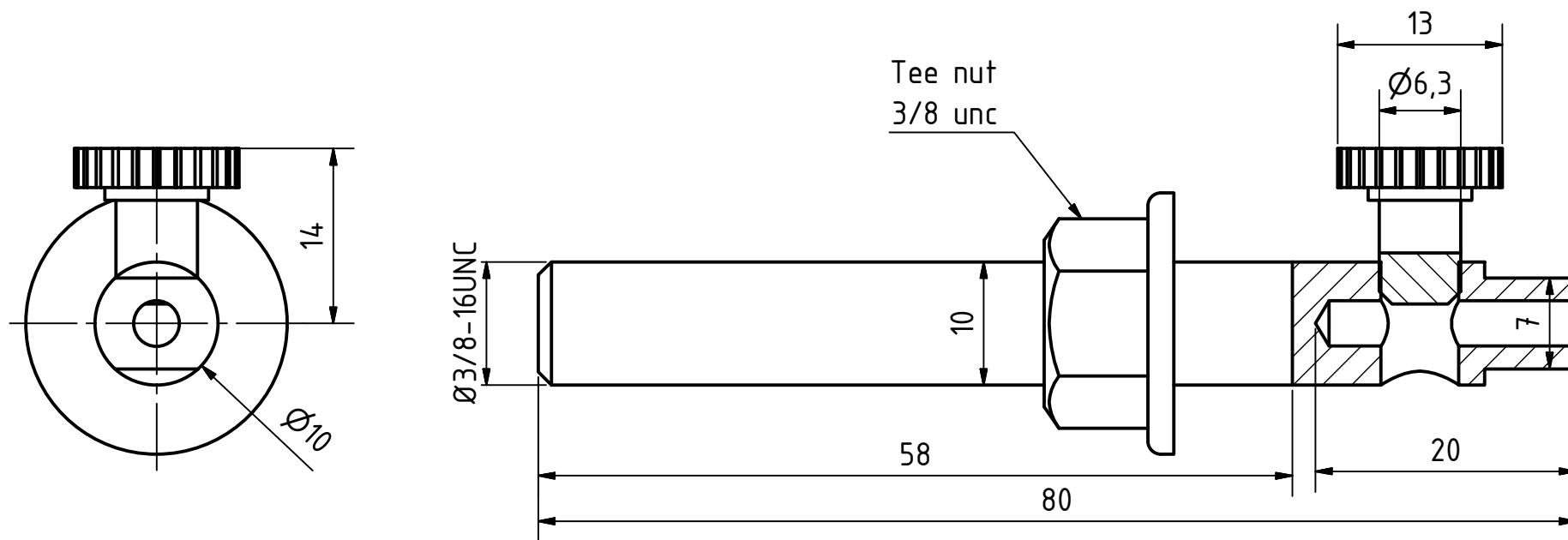
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Welding gun multifunctional & diy	D. MOSQUERA	A. MORILLO	01/08/2021	1.0
PART NAME	FILE NAME	POS		
Knob	oho_wg_knob.ipt	1.2		
DEVELOPED BY	REDESIGNED BY	DOC. TYPE	MATERIAL	QUANTITY
		Part	Plastic HD	1
		LICENCE	SCALE	SHEET
Phillip M. Wilson	OHO e.V.	CC-BY-SA 4.0	2:1	11 /25



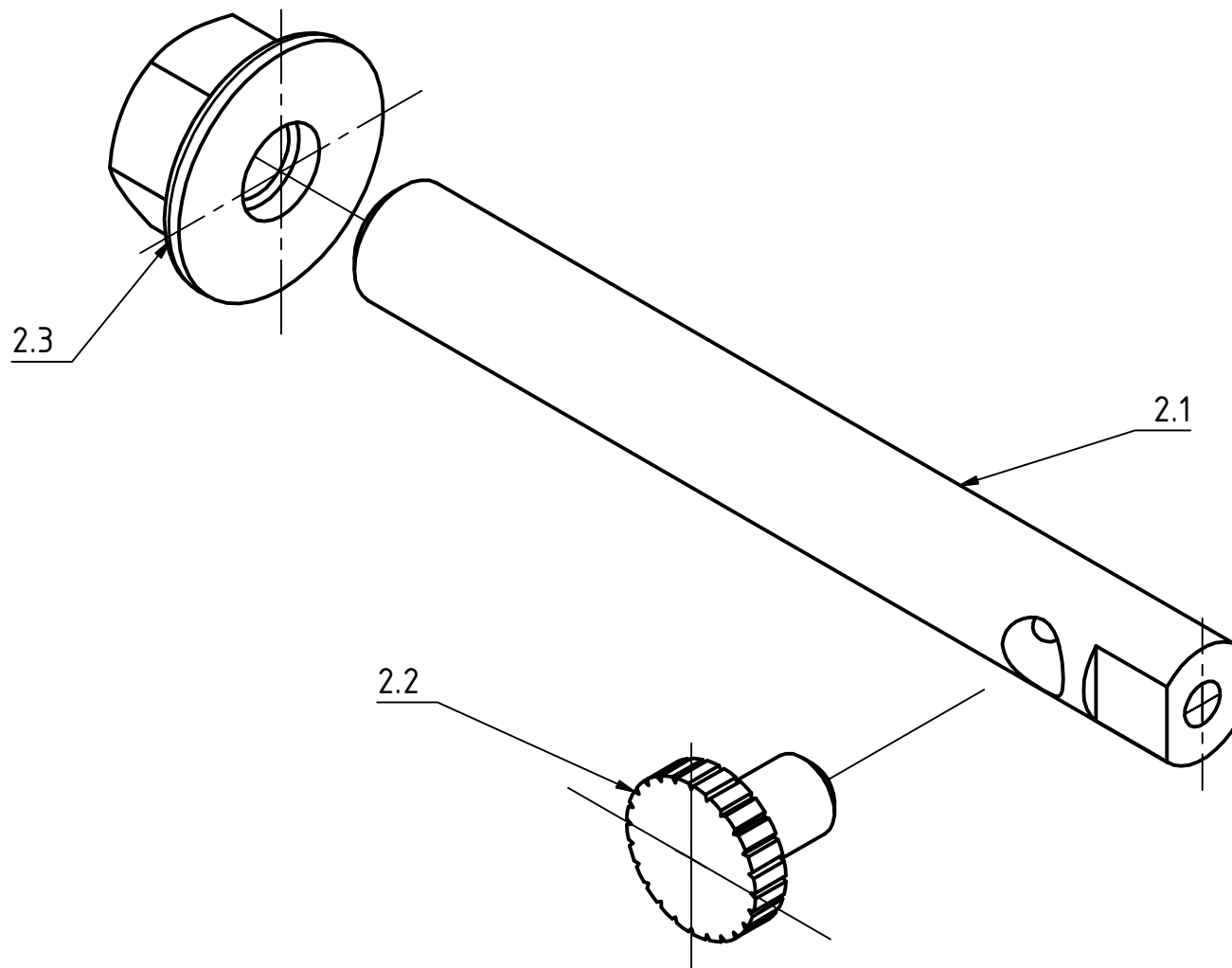
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Welding gun multifunctional & diy	D. MOSQUERA	A. MORILLO	01/08/2021	1.0
PART NAME	FILE NAME	POS		
Fiber sleeve	oho_wg_fiber-sleeve.ipt	1.4		
DEVELOPED BY	REDESIGNED BY	DOC. TYPE	MATERIAL	QUANTITY
		Part	Fiber or plastic insulation	1
		LICENCE	SCALE	SHEET
Phillip M. Wilson	OHO e.V.	CC-BY-SA 4.0	2:1	12 /25




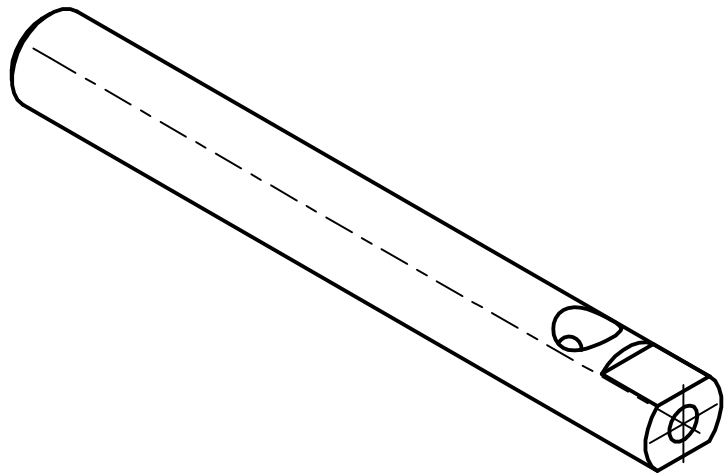
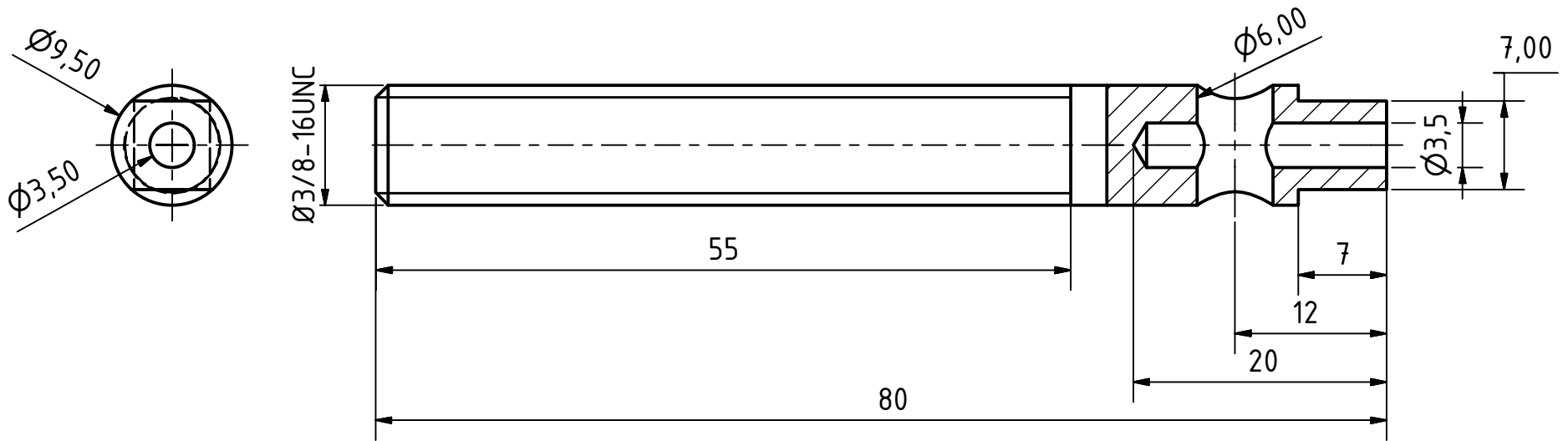
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Welding gun multifunctional & diy	D. MOSQUERA	A. MORILLO	01/08/2021	1.0
PART NAME	FILE NAME	POS		
Copper tube	oho_wg_cooper-tube.ipt	1.5		
DEVELOPED BY	REDESIGNED BY	DOC. TYPE	MATERIAL	QUANTITY
		Part	copper	1
		LICENCE	SCALE	SHEET
Phillip M. Wilson	OHO e.V.	CC-BY-SA 4.0	2:1	13 /25



PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Welding gun multifunctional & diy	D. MOSQUERA	A. MORILLO	01/08/2021	1.0
PART NAME	FILE NAME			POS
Conductor tube	oho_wg_conductor-tube.iam			2.0
DEVELOPED BY	REDESIGNED BY	DOC. TYPE	MATERIAL	QUANTITY
		Assembly		1
		LICENCE	SCALE	SHEET
Phillip M. Wilson	OHO e.V.	CC-BY-SA 4.0	1:1	14 /25

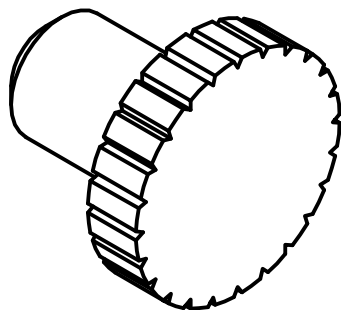
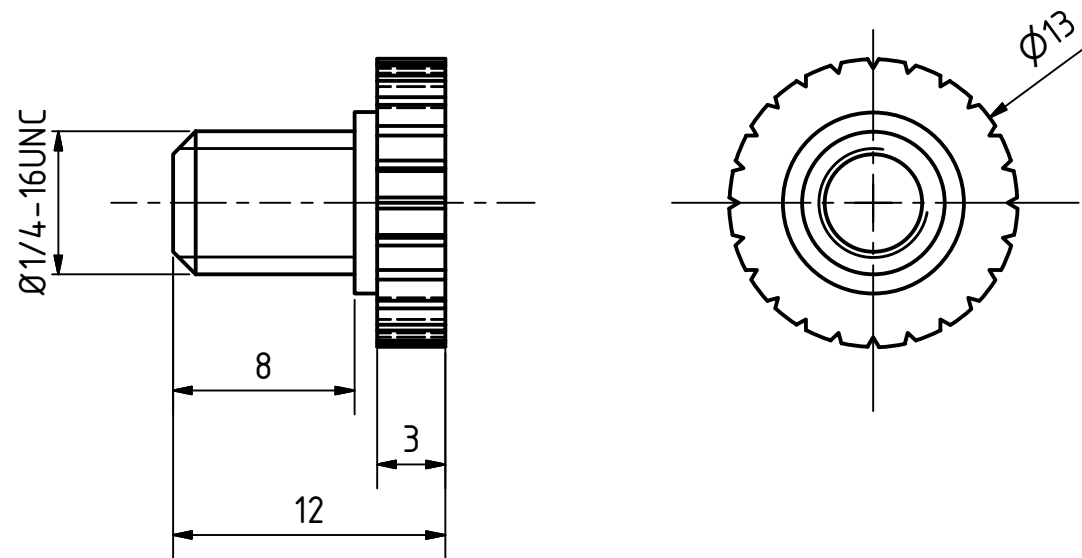



PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Welding gun multifunctional & diy	D. MOSQUERA	A. MORILLO	01/08/2021	1.0
PART NAME	FILE NAME	POS		
Conductor tube	oho_wg_conductor-tube.ipn	2.0		
DEVELOPED BY	REDESIGNED BY	DOC. TYPE	MATERIAL	QUANTITY
		Assembly		1
		LICENCE	SCALE	SHEET
Phillip M. Wilson	OHO e.V.	CC-BY-SA 4.0	2:1	15 /25

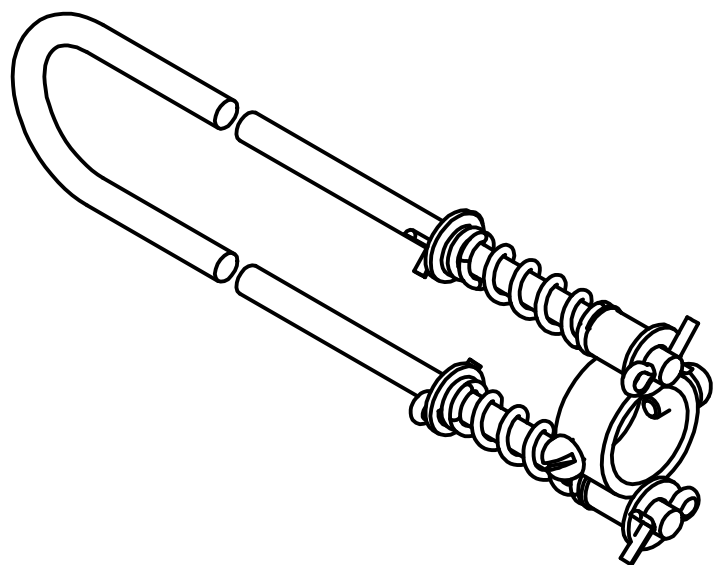
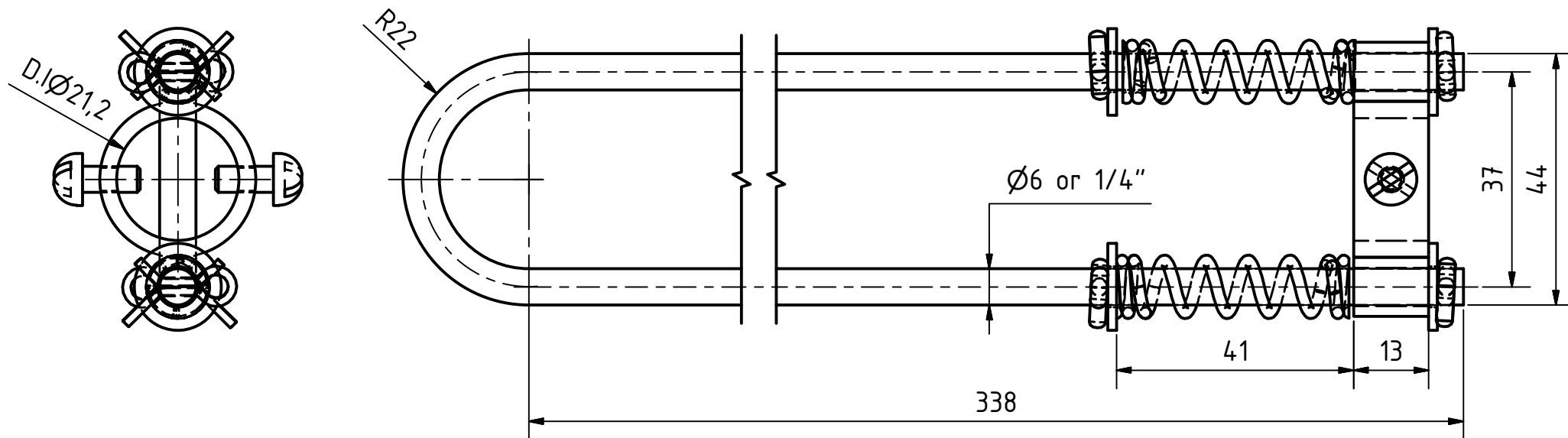



PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Welding gun multifuntional & diy	D. MOSQUERA	A. MORILLO	01/08/2021	1.0
PART NAME	FILE NAME			POS
Conductor tube	oho_wg_conductor-tube.ipt			2.1
DEVELOPED BY	REDESIGNED BY	DOC. TYPE	MATERIAL	QUANTITY
Phillip M. Wilson	OHO e.V.	Part	copper	1
		LICENCE	SCALE	SHEET
		CC-BY-SA 4.0	2:1	16 /25

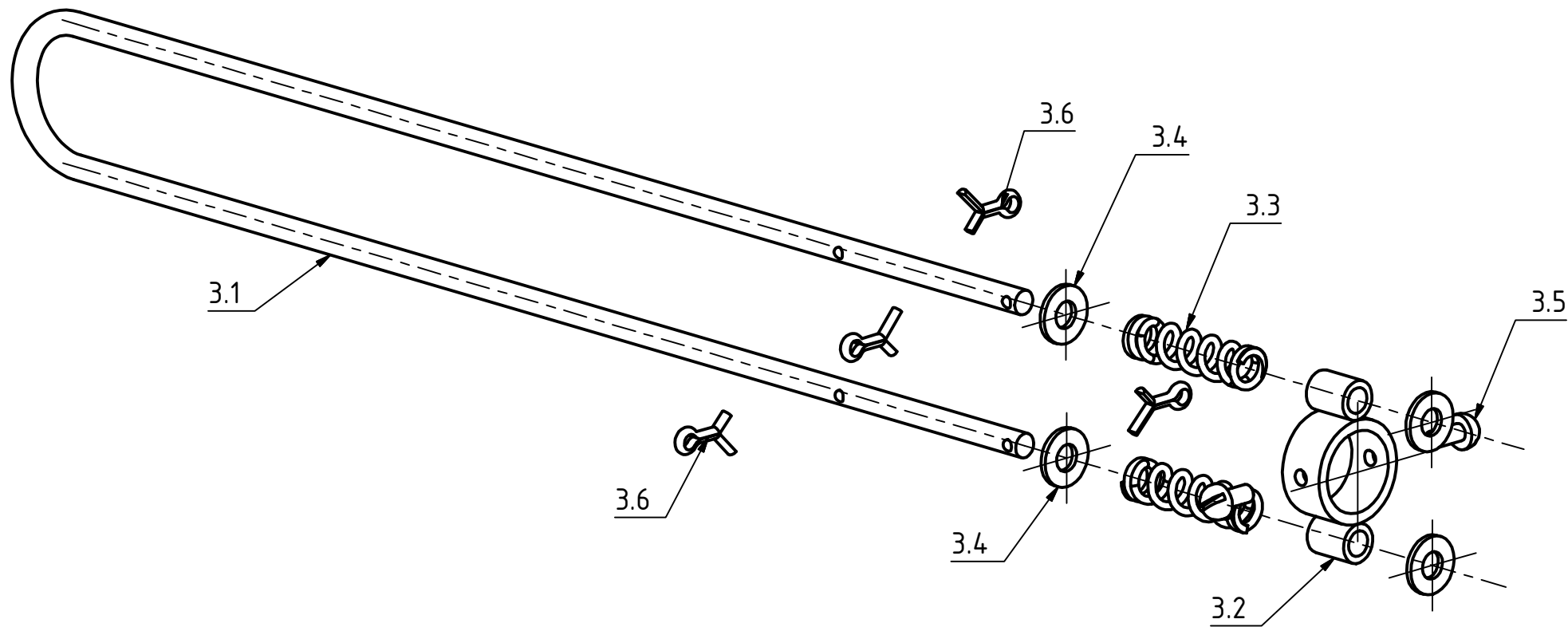





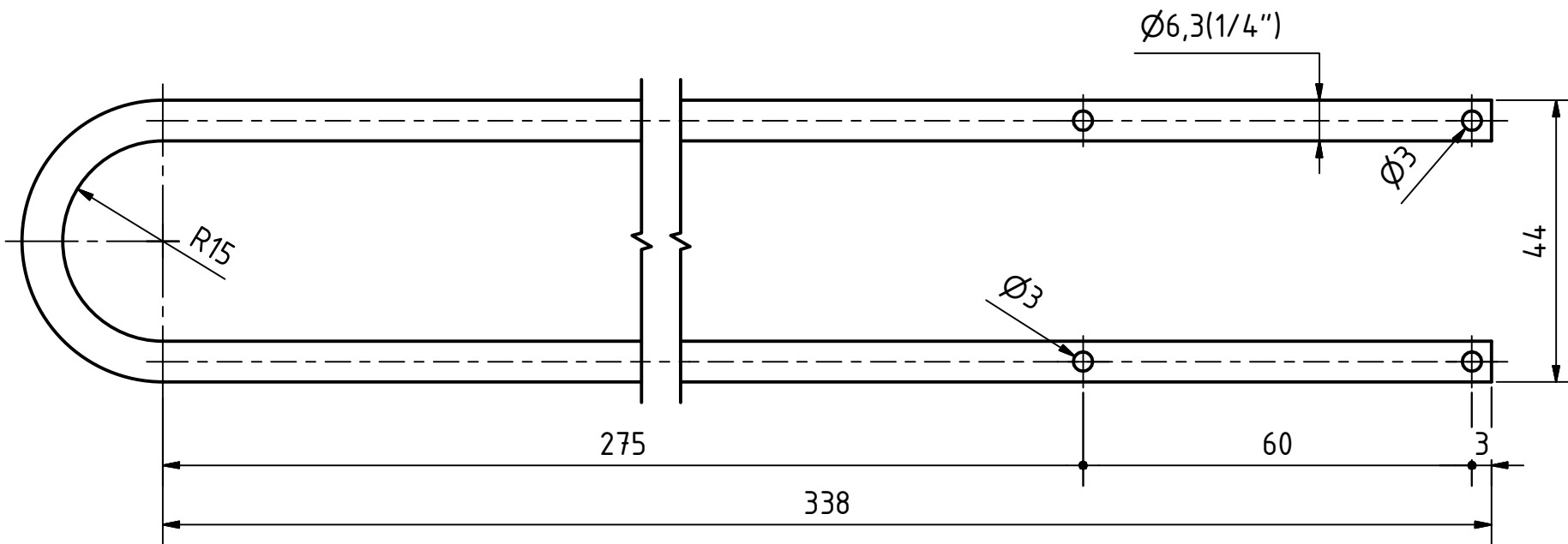
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Welding gun multifunctional & diy	D. MOSQUERA	A. MORILLO	01/08/2021	1.0
PART NAME	FILE NAME	POS		
Bolt 1/4 in.	oho_wg_bolt-1-4x19.ipt	2.2		
DEVELOPED BY	REDESIGNED BY	DOC. TYPE	MATERIAL	QUANTITY
Phillip M. Wilson	 OPEN SOURCE ECOLOGY GERMANY	Part	Steel C45	1
		LICENCE	SCALE	SHEET
	OHO e.V.	CC-BY-SA 4.0	3:1	17 /25




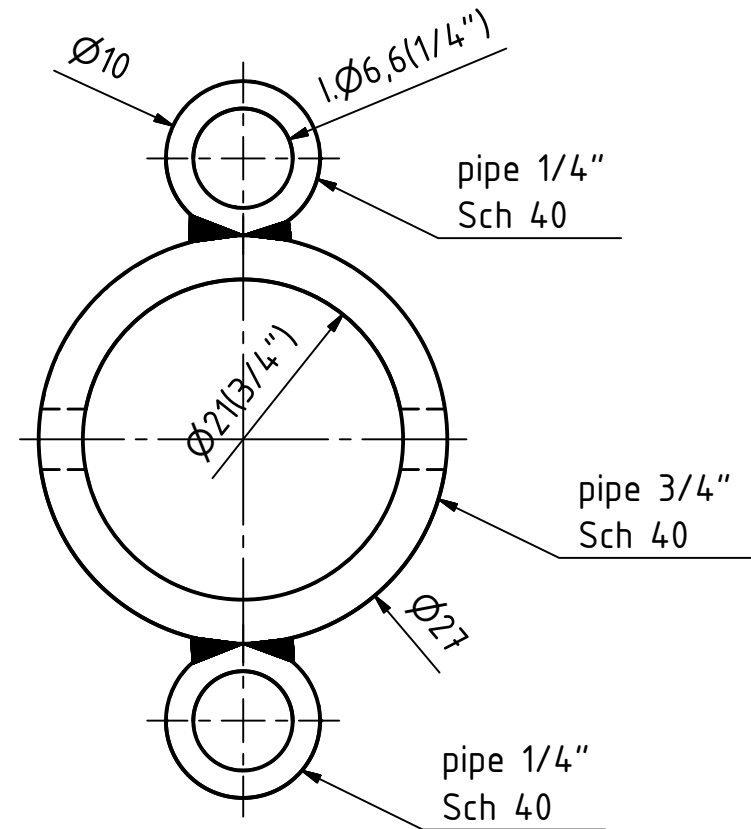
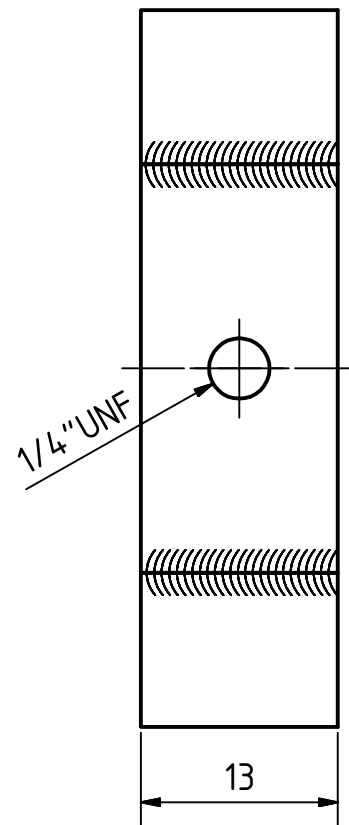
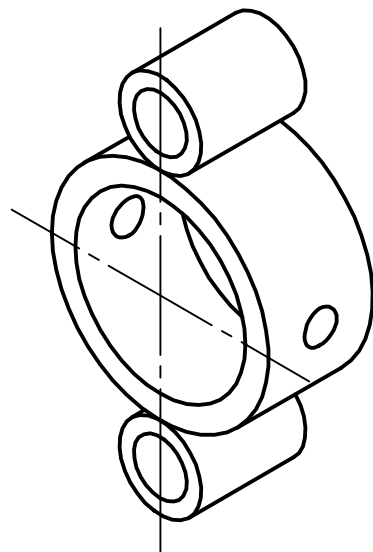
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Welding gun multifunctional & diy	D. MOSQUERA	A. MORILLO	01/08/2021	1.0
PART NAME	FILE NAME	POS		
Brass rod	oho_wg_Brass rod.iam	3.0		
DEVELOPED BY	REDESIGNED BY	DOC. TYPE	MATERIAL	QUANTITY
Phillip M. Wilson	 OPEN SOURCE ECOLOGY GERMANY	Assembly		1
		LICENCE	SCALE	SHEET
	OHO e.V.	CC-BY-SA 4.0	1:2	18 /25



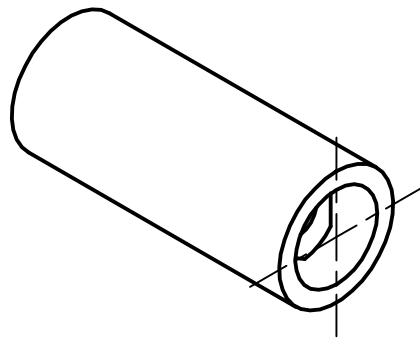
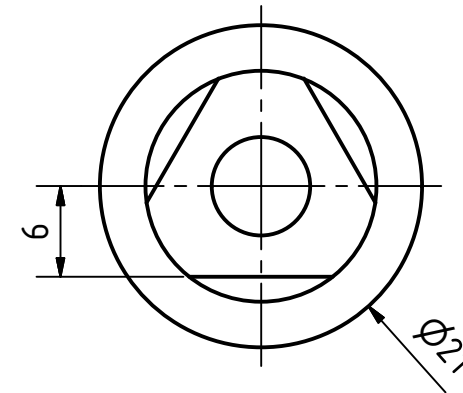
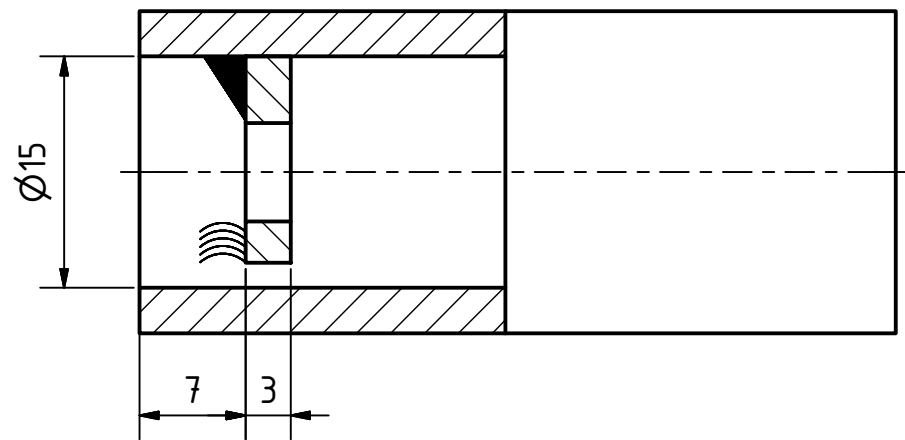
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Welding gun multifunktional & diy	D. MOSQUERA	A. MORILLO	01/08/2021	1.0
PART NAME	FILE NAME			POS
Brass rod	oho_wg_Brass rod.ipn			3.0
DEVELOPED BY	REDESIGNED BY	DOC. TYPE	MATERIAL	QUANTITY
	 OPEN SOURCE ECOLOGY GERMANY	Assembly		1
Phillip M. Wilson	OHO e.V.	LICENCE	SCALE	SHEET
		CC-BY-SA 4.0	1,5:1	19 /25



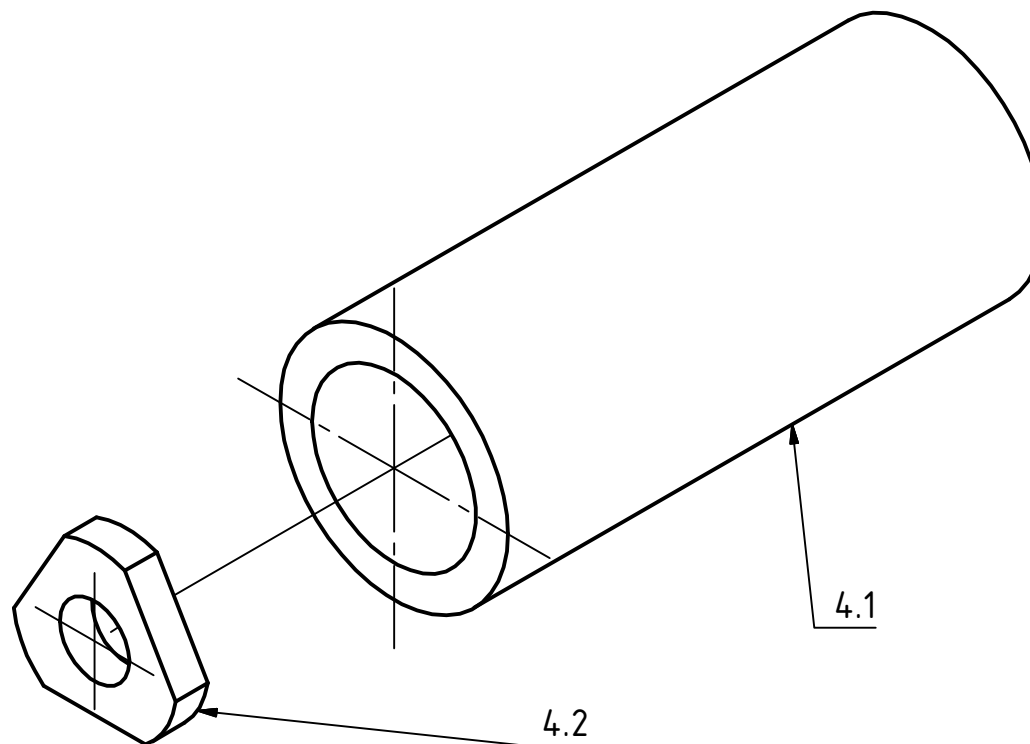
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Welding gun multifunctional & diy	D. MOSQUERA	A. MORILLO	01/08/2021	1.0
PART NAME	FILE NAME	POS		
Slide rod	oho_wg_slide-rod.ipt	3.1		
DEVELOPED BY	REDESIGNED BY	DOC. TYPE	MATERIAL	QUANTITY
Phillip M. Wilson	 OPEN SOURCE ECOLOGY GERMANY	Part	brass, bronze	1
		LICENCE	SCALE	SHEET
	OHO e.V.	CC-BY-SA 4.0	1:1	20 /25




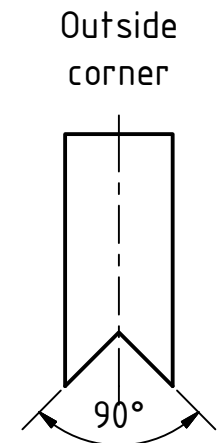
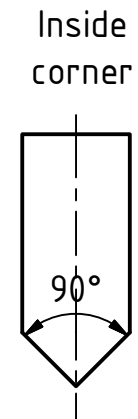
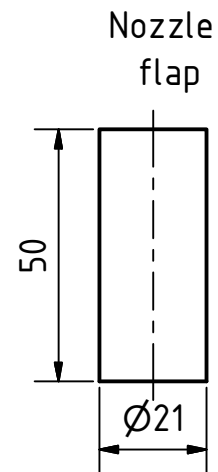
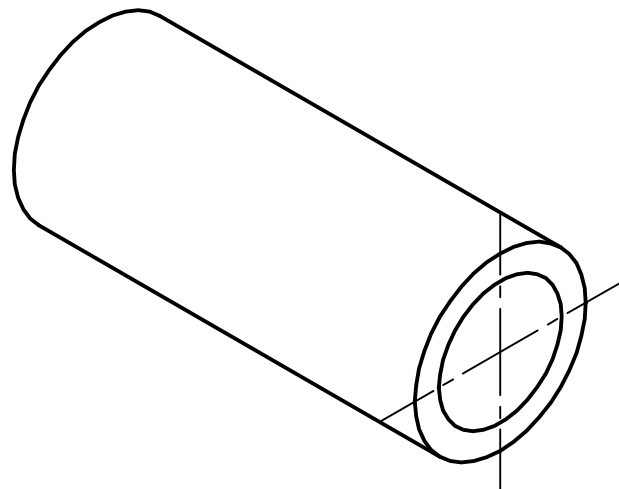
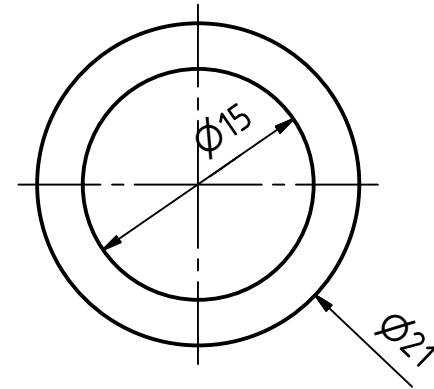
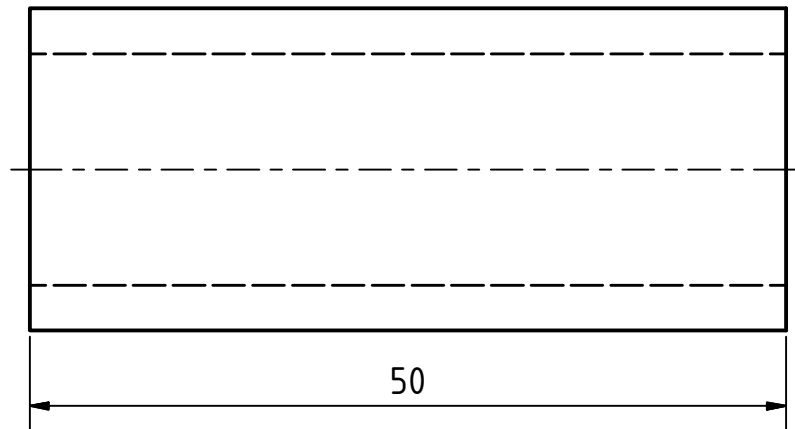
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Welding gun multifuntional & diy	D. MOSQUERA	A. MORILLO	01/08/2021	1.0
PART NAME	FILE NAME	POS		
suport	oho_wg_suport.iam	3.2		
DEVELOPED BY	REDESIGNED BY	DOC. TYPE	MATERIAL	QUANTITY
Phillip M. Wilson	OHO e.V.	Part	Steel C45	1
		LICENCE	SCALE	SHEET
		CC-BY-SA 4.0	2:1	21 /25



PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Welding gun multifunctional & diy	D. MOSQUERA	A. MORILLO	01/08/2021	1.0
PART NAME	FILE NAME	POS		
Nozzle holder	oho_wg_nozzle-holder.iam	4.0		
DEVELOPED BY	REDESIGNED BY	DOC. TYPE	MATERIAL	QUANTITY
		Assembly		1
		LICENCE	SCALE	SHEET
Phillip M. Wilson	OHO e.V.	CC-BY-SA 4.0	2:1	22 /25

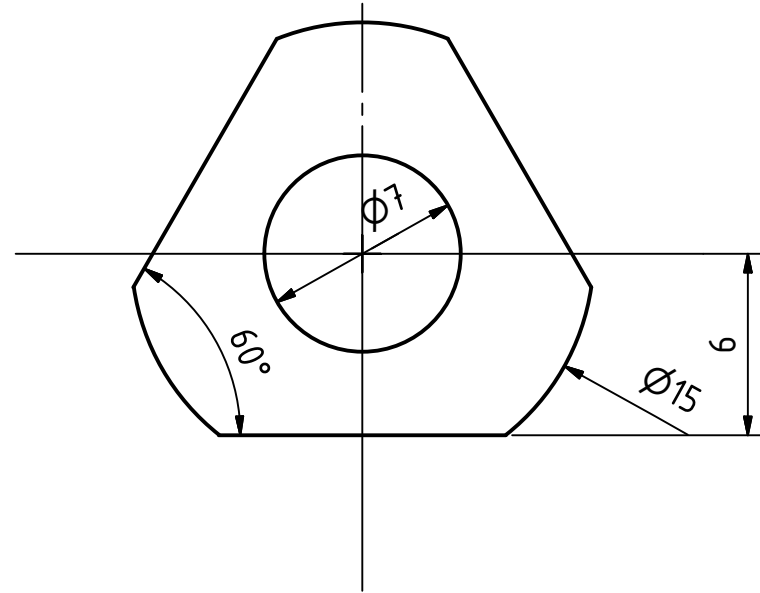
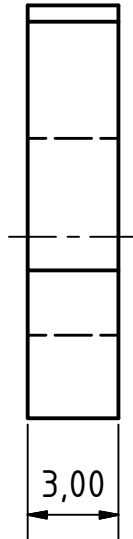
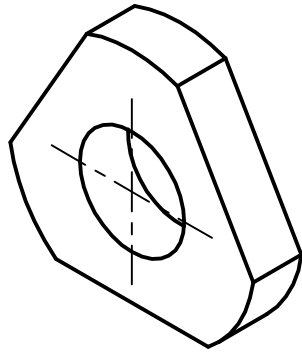



PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Welding gun multifunctional & diy	D. MOSQUERA	A. MORILLO	01/08/2021	1.0
PART NAME	FILE NAME			POS
Nozzle holder	oho_wg_nozzle-holder.ipn			4.0
DEVELOPED BY	REDESIGNED BY	DOC. TYPE	MATERIAL	QUANTITY
	 OPEN SOURCE ECOLOGY GERMANY	Assembly		1
Phillip M. Wilson	OHO e.V.	LICENCE	SCALE	SHEET
		CC-BY-SA 4.0	2:1	23 /25



PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Welding gun multifunctional & diy	D. MOSQUERA	A. MORILLO	01/08/2021	1.0
PART NAME	FILE NAME	POS		
Nozzle holder	oho_wg_nozzle-holder.ipt	4.1		
DEVELOPED BY	REDESIGNED BY	DOC. TYPE	MATERIAL	QUANTITY
Phillip M. Wilson	OHO e.V.	Part	copper	1
		LICENCE	SCALE	SHEET
		CC-BY-SA 4.0	2:1	24 / 25





PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Welding gun multifuntional & diy	D. MOSQUERA	A. MORILLO	01/08/2021	1.0
PART NAME	FILE NAME	POS		
Sheet hole	oho_wg_sheet-hole.ipt	4.2		
DEVELOPED BY	REDESIGNED BY	DOC. TYPE	MATERIAL	QUANTITY
Phillip M. Wilson	 OPEN SOURCE ECOLOGY GERMANY	Part	Steel C45	1
		LICENCE	SCALE	SHEET
	OHO e.V.	CC-BY-SA 4.0	4:1	25 /25