

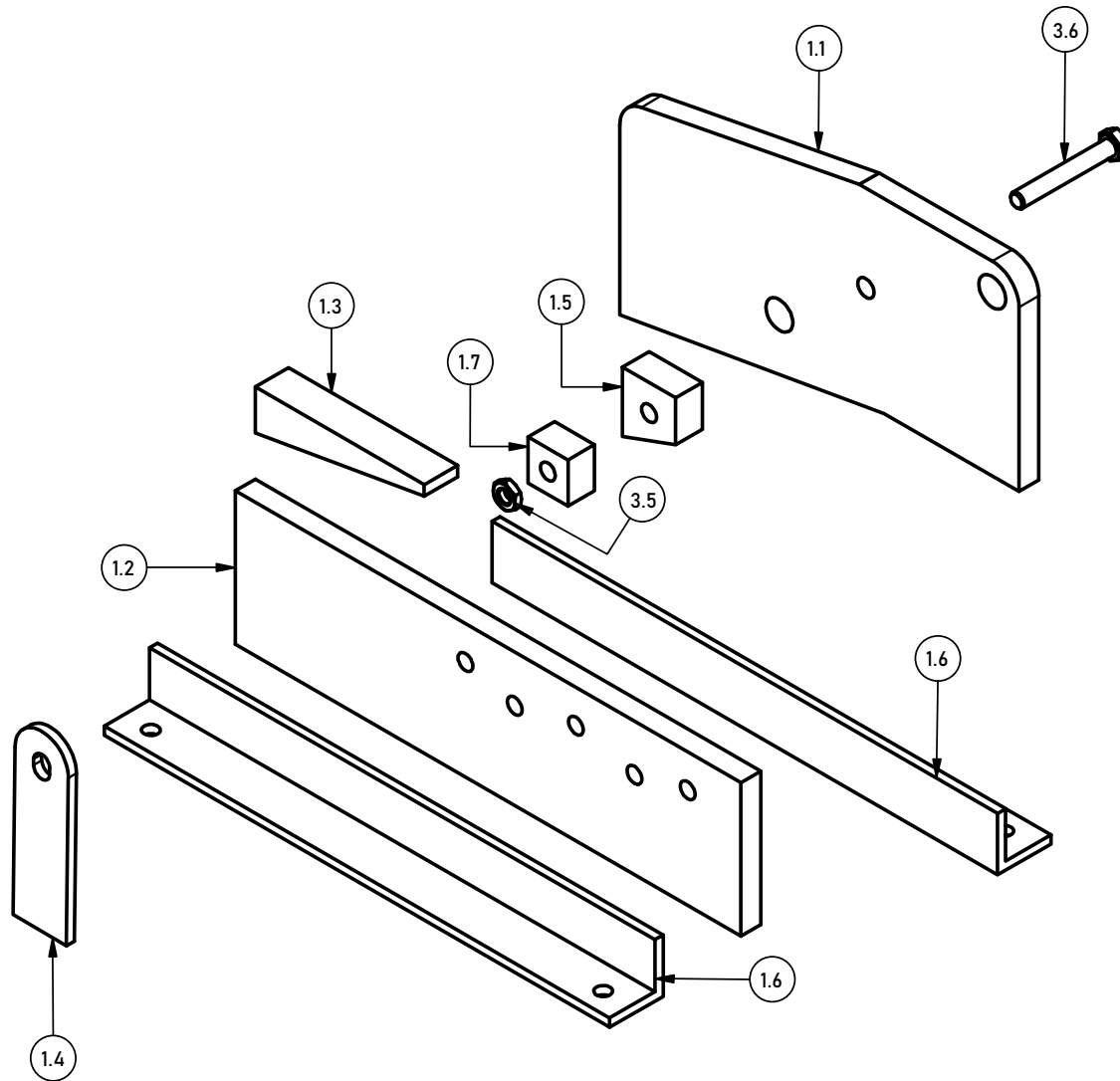



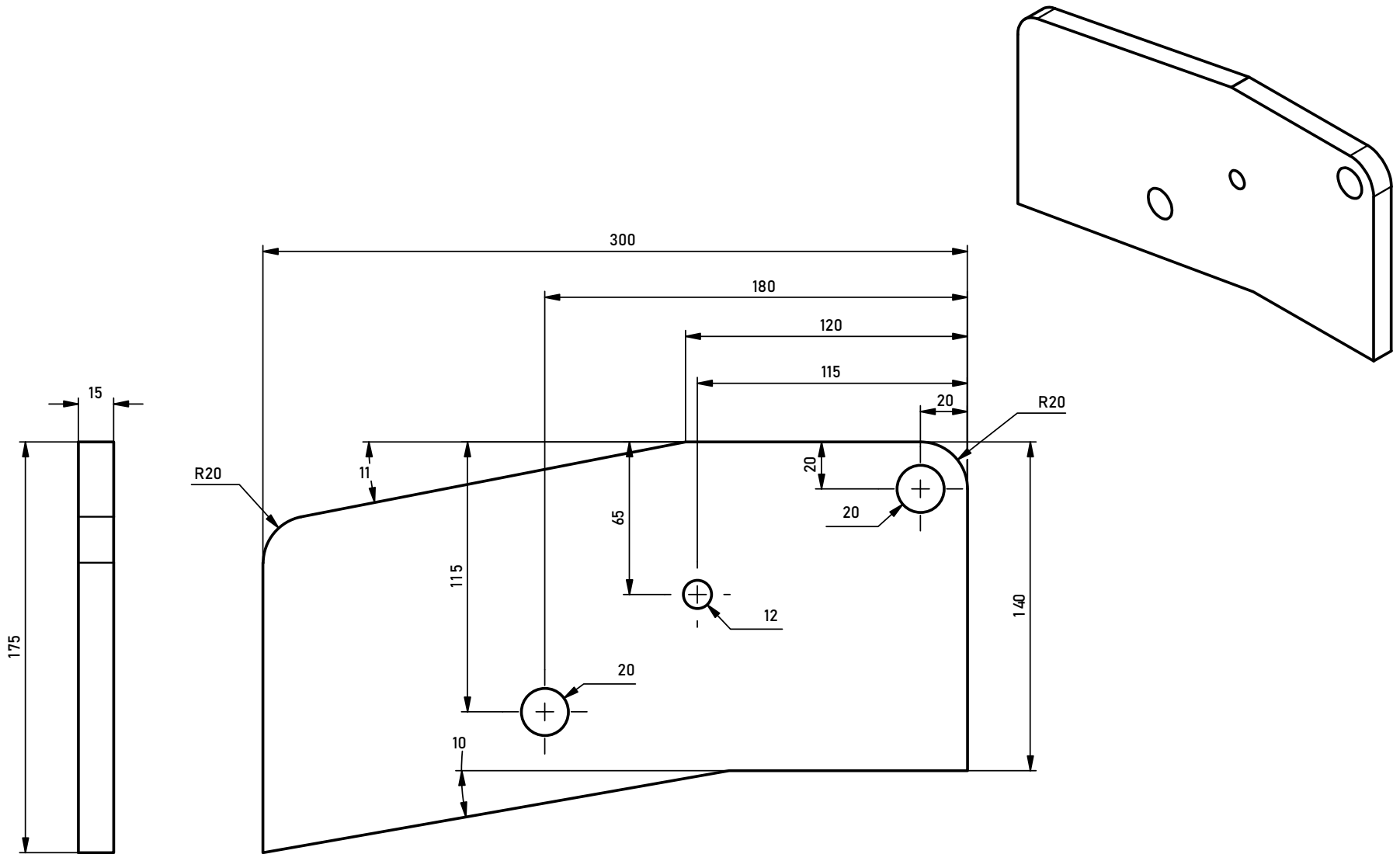
PROJECT CUTTING SHEARS	CREATED BY A. PARDO	APPROVED BY		
PART NAME CUTTING SHEARS	PART CODE A1	DOCUMENT TYPE ASSEMBLY	MATERIAL	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	LICENSE CC-BY-SA 4.0	FILE NAME CUTTING SHEARS.iam	VERSION 1.0	QUANTITY 1
		SCALE 1:4	SHEET 1/17	DATE 28/9/2020


PARTS LIST						
POS.	POS. OLD	QTY	PART NAME	FILE NAME	PART TYPE	SPECIFICATIONS
A1		1	CUTTING SHEARS	CUTTING SHEARS.iam		
B1		1	PARTS LIST	PARTS LIST		
1		1	BODY	BODY.iam		
1.1	A1	1	UPPER BODY	UPPER BODY.ipt	Production	STEEL C45
1.2	A2	1	LOWER BODY	LOWER BODY.ipt	Production	STEEL C45
1.3	A3	1	SPACING BLOCK	SPACING BLOCK.ipt	Production	STEEL C45
1.4	A9	1	DEPTH STOP	DEPTH STOP.ipt	Production	STEEL C45
1.5	A6	1	STOP SPACER	STOP SPACER.ipt	Production	STEEL C45
1.6	A4	2	MOUNTING ANGLE	MOUNTING ANGLE.ipt	Production	STEEL A36, DIN 10056
1.7	A10	1	HARDEND INSERT FOR CROPPING HOLE	HARDEND INSERT FOR CROPPING HOLE.ipt	Production	STEEL 9260
2		1	BLADE	BLADE.iam		
2.1	B1	1	UPPER BLADE	UPPER BLADE.ipt	Production	STEEL 9260
2.2	B2	1	LOWER BLADE	LOWER BLADE.ipt	Production	STEEL 9260
3		1	LEVER	LEVER.iam		
3.1	C1	1	LEVER PLATE	LEVER PLATE.ipt	Production	STEEL C45
3.2	C2	2	CONNECTING LINK	CONNECTING LINK.ipt	Production	STEEL C45
3.3	C3	1	LEVER	LEVER.ipt	Production	STEEL A36
3.4		2	ANSI B18.2.4.5M - M20 x 2.5	ANSI B18.2.4.5M - M20 x 2.5.ipt	Standard	
3.5		7	ANSI B18.2.4.5M - M10 x 1.5	ANSI B18.2.4.5M - M10 x 1.5 - 16.ipt	Standard	
3.6		7	ANSI B18.2.3.2M - M10 x 1,5	ANSI B18.2.3.2M - M10 x 1,5	Standard	
3.7		2	ANSI B18.2.3.6M - M20 x 2,5 x 35	ANSI B18.2.3.6M - M20 x 2,5 x 35.ipt	Standard	

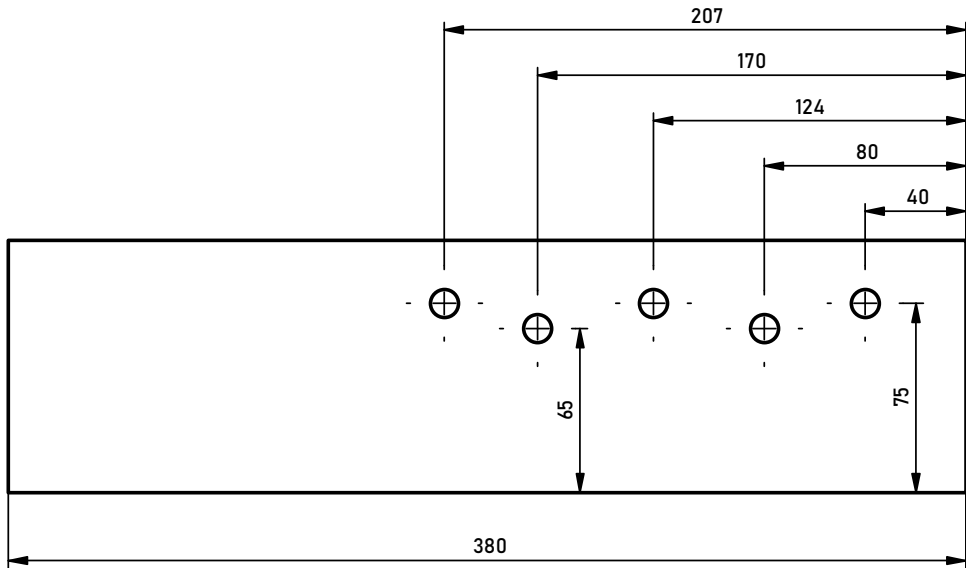
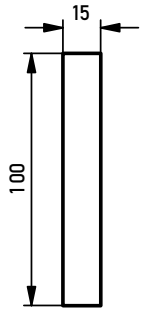
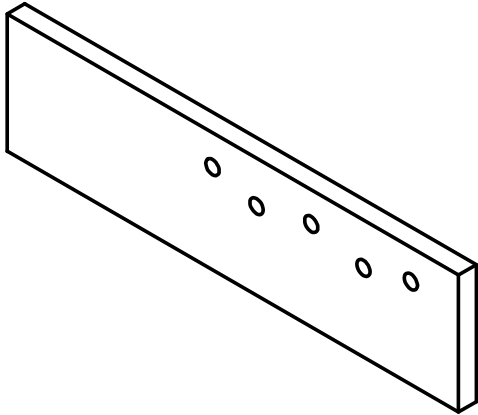
PROJECT CUTTING SHEARS		CREATED BY A. PARDO	APPROVED BY		
PART NAME CUTTING SHEARS		PART CODE B1	DOCUMENT TYPE ASSEMBLY	MATERIAL STEEL METAL/ HARD STEEL	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development		LICENSE CC-BY-SA 4.0	FILE NAME PART LIST CUTTING SHEARS.iam	VERSION 1.0	QUANTITY 1
			SCALE	SHEET 2/17	DATE 30/9/2020




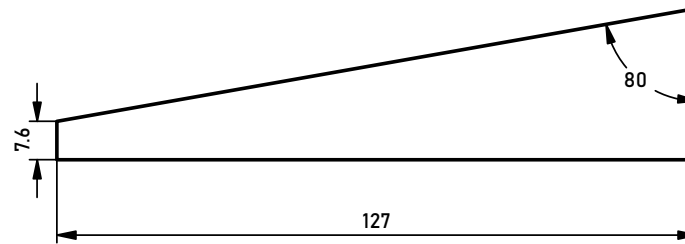
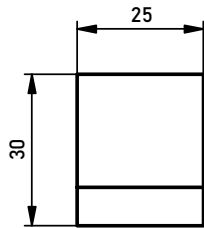
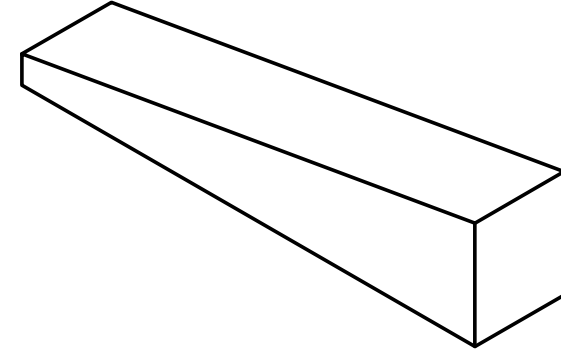
PROJECT CUTTING SHEARS	CREATED BY A. PARDO	APPROVED BY		
PART NAME BODY	PART CODE 1	DOCUMENT TYPE ASSEMBLY	MATERIAL	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	LICENSE CC-BY-SA 4.0	FILE NAME BODY.iam	VERSION 1.0	QUANTITY 1
		SCALE 1:4	SHEET 3/17	DATE 28/9/2020




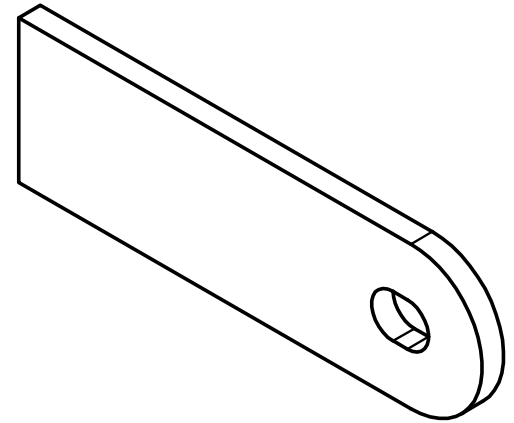
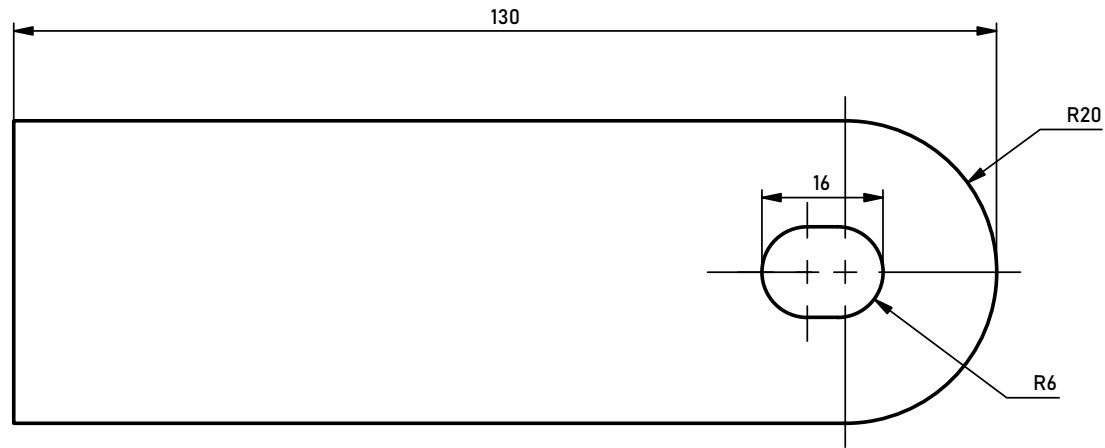
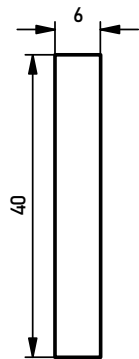
PROJECT CUTTING SHEARS	CREATED BY A. PARDO	APPROVED BY		
PART NAME UPPER BODY	PART CODE 1.1	DOCUMENT TYPE PART	MATERIAL STEEL C45	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	LICENSE CC-BY-SA 4.0	FILE NAME UPPER BODY.ipt	VERSION 1.0	QUANTITY 1
		SCALE 1 / 2.5	SHEET 4/17	DATE 24/9/2020




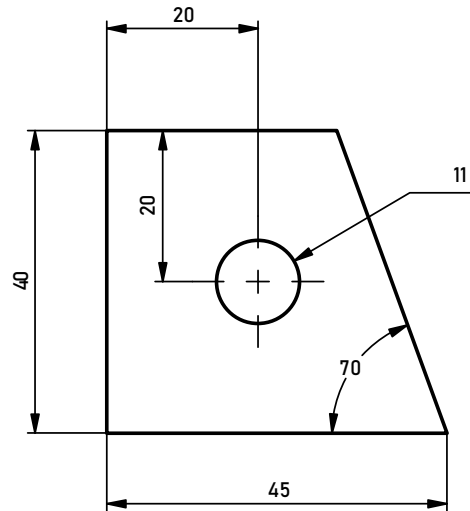
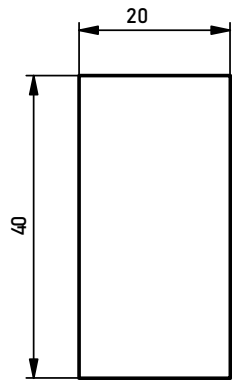
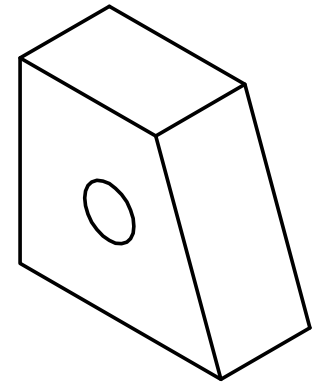
PROJECT CUTTING SHEARS		CREATED BY A. PARDO		APPROVED BY	
PART NAME LOWER BODY		PART CODE 1.2		DOCUMENT TYPE PART	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development		LICENSE CC-BY-SA 4.0		MATERIAL STEEL C45	
		FILE NAME LOWER BODY.ipt		VERSION 1.0	QUANTITY 1
		SCALE 1 / 3		SHEET 5/17	DATE 24/9/2020




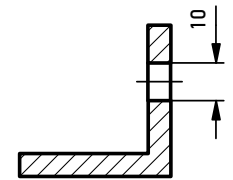
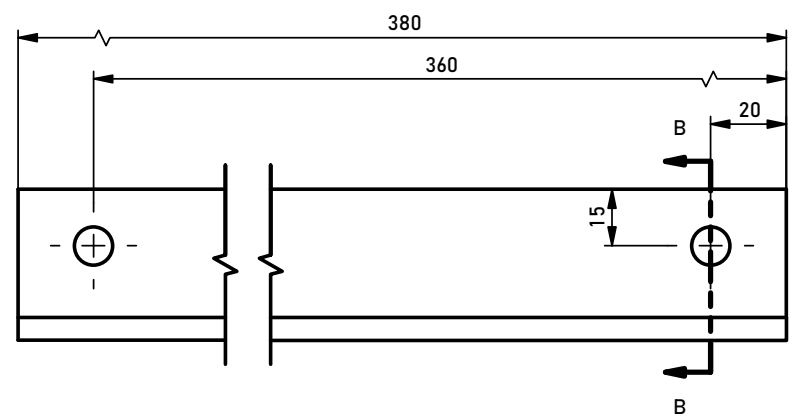
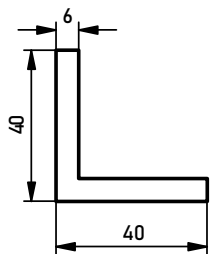
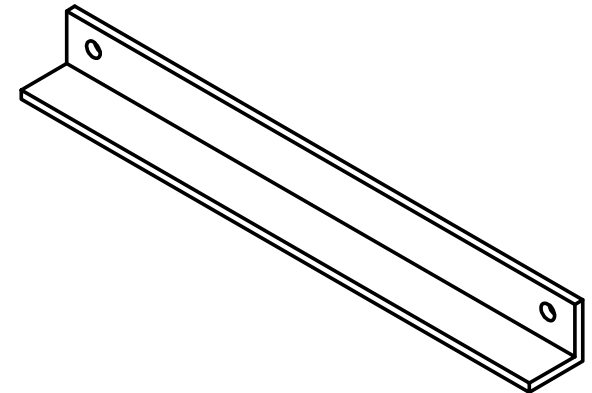
PROJECT CUTTING SHEARS		CREATED BY A. PARDO		APPROVED BY	
PART NAME SPACING BLOCK		PART CODE 1.3	DOCUMENT TYPE PART	MATERIAL STEEL C45	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development		LICENSE CC-BY-SA 4.0	FILE NAME SPACING BLOCK.ipt	VERSION 1.0	QUANTITY 1
			SCALE 1:1.5	SHEET 6/17	DATE 24/9/2020




PROJECT CUTTING SHEARS	CREATED BY A. PARDO	APPROVED BY		
PART NAME DEPTH STOP	PART CODE 1.4	DOCUMENT TYPE PART	MATERIAL STEEL C45	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	LICENSE CC-BY-SA 4.0	FILE NAME DEPTH STOP.ipt	VERSION 1.0	QUANTITY 1
		SCALE 1:1	SHEET 7/17	DATE 24/9/2020

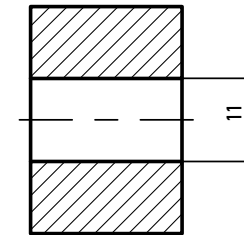
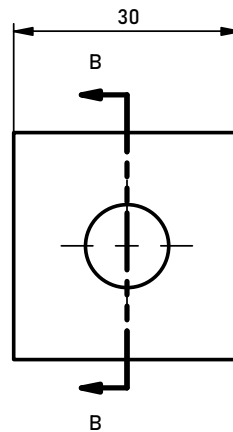
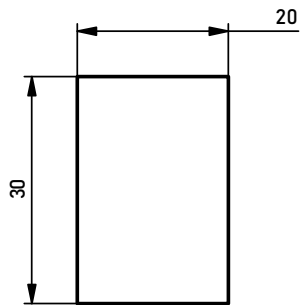
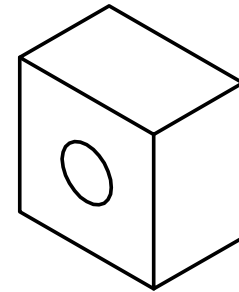


PROJECT CUTTING SHEARS	CREATED BY A. PARDO	APPROVED BY		
PART NAME STOP SPACER	PART CODE 1.5	DOCUMENT TYPE PART	MATERIAL STEEL C45	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	LICENSE CC-BY-SA 4.0	FILE NAME STOP SPACER.ipt	VERSION 1.0	QUANTITY 1
		SCALE 1:1	SHEET 8/17	DATE 24/9/2020




SECTION B-B
SCALE 1 / 2

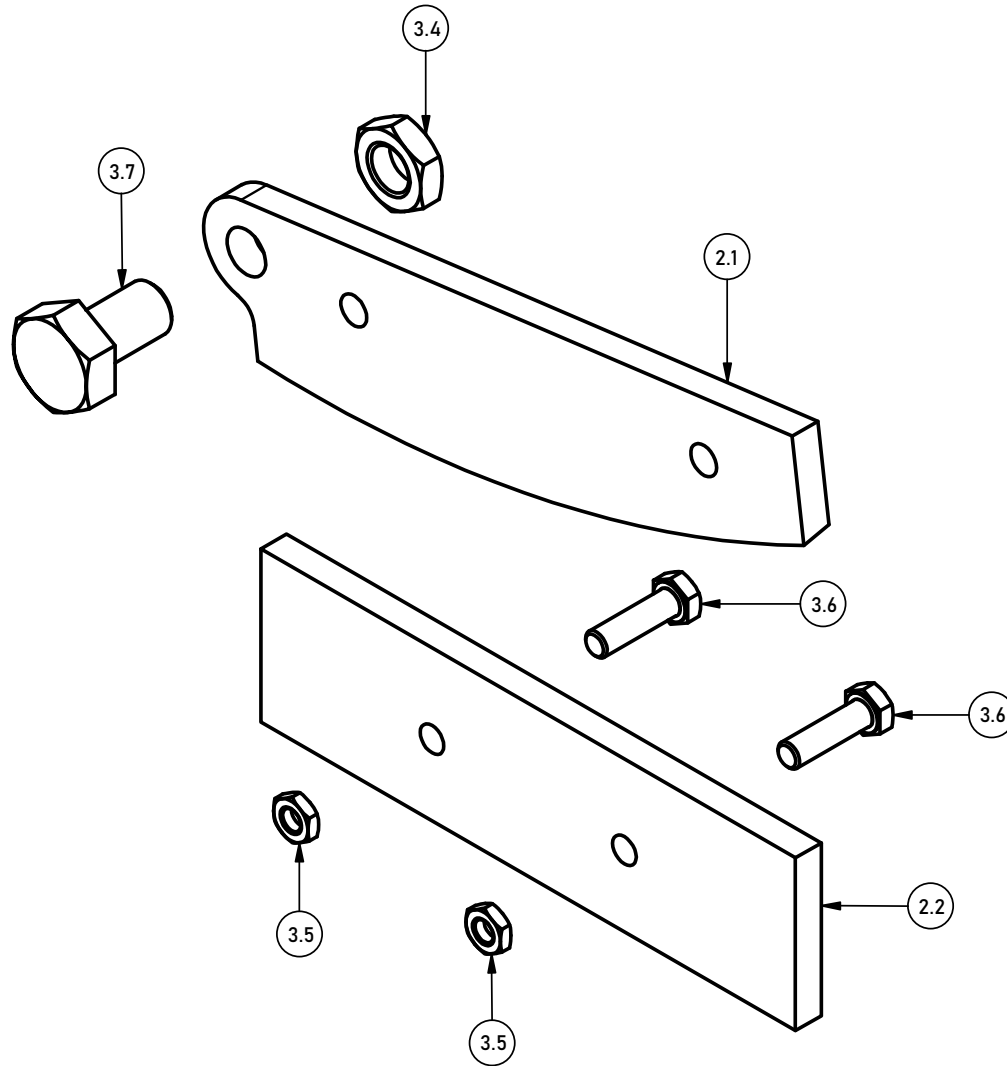
PROJECT CUTTING SHEARS		CREATED BY A. PARDO		APPROVED BY	
PART NAME MOUNTING ANGLE		PART CODE 1.6	DOCUMENT TYPE PART		MATERIAL STEEL A36
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development		LICENSE CC-BY-SA 4.0	FILE NAME MOUNTING ANGLE.ipt		VERSION 1.0
			SCALE 1 / 2	SHEET 9/17	QUANTITY 1
				DATE 24/9/2020	

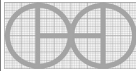


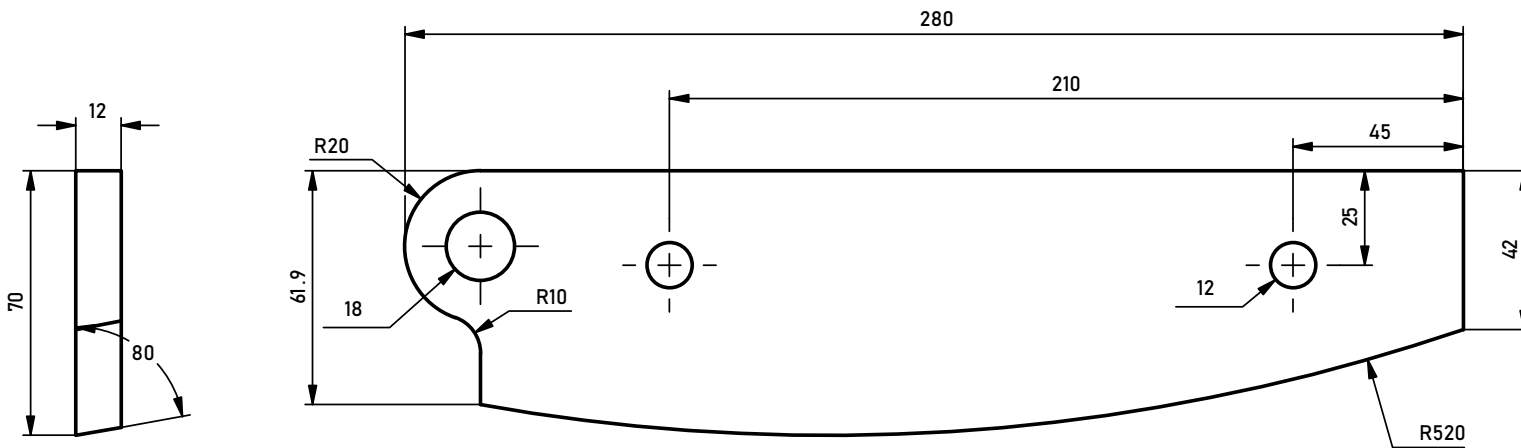
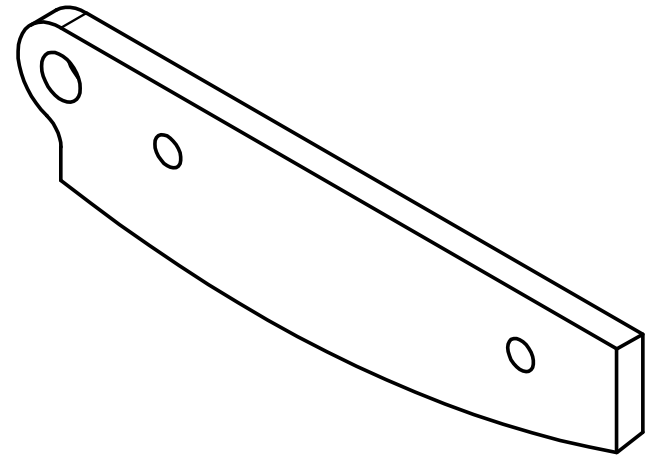
SECTION B-B
SCALE 1:1

[STEEL QUENCHED ON 840/880 °C ; TEMPERED ON 200 °C](#)

PROJECT CUTTING SHEARS	CREATED BY A. PARDO	APPROVED BY			
PART NAME HARDEND INSERT FOR CROPPING HOLE	PART CODE 1.7	DOCUMENT TYPE PART	MATERIAL STEEL SAE 9260		
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	LICENSE CC-BY-SA 4.0	FILE NAME HARDEND INSERT FOR CROPPING HOLE.ipt	VERSION 1.0	QUANTITY 1	
		SCALE 1:1	SHEET 10/17	DATE 24/9/2020	




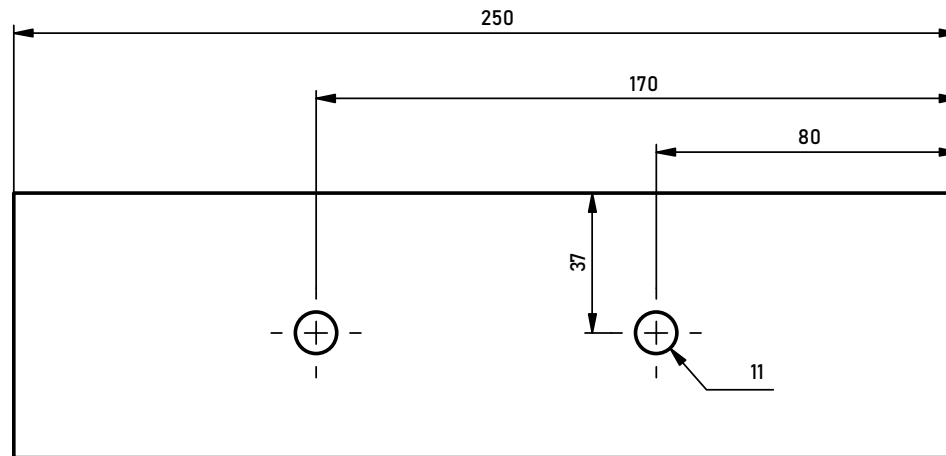
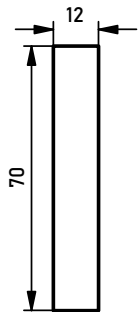
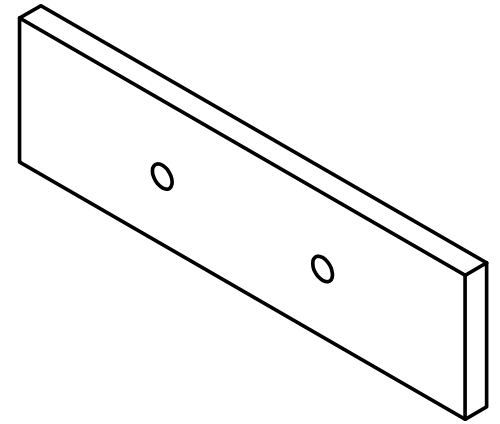
PROJECT CUTTING SHEARS	CREATED BY A. PARDO	APPROVED BY		
PART NAME BLADE	PART CODE 2	DOCUMENT TYPE ASSEMBLY	MATERIAL	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	LICENSE CC-BY-SA 4.0	FILE NAME BLADE.iam	VERSION 1.0	QUANTITY 1
		SCALE 1 / 2.5	SHEET 1	DATE 24/9/2020



[STEEL QUENCHED ON 840/880 °C ; TEMPERED ON 200 °C](#)


BLADES SHOULD BE LUBRICATED PERIODICALLY TO PREVENT CORROSION.

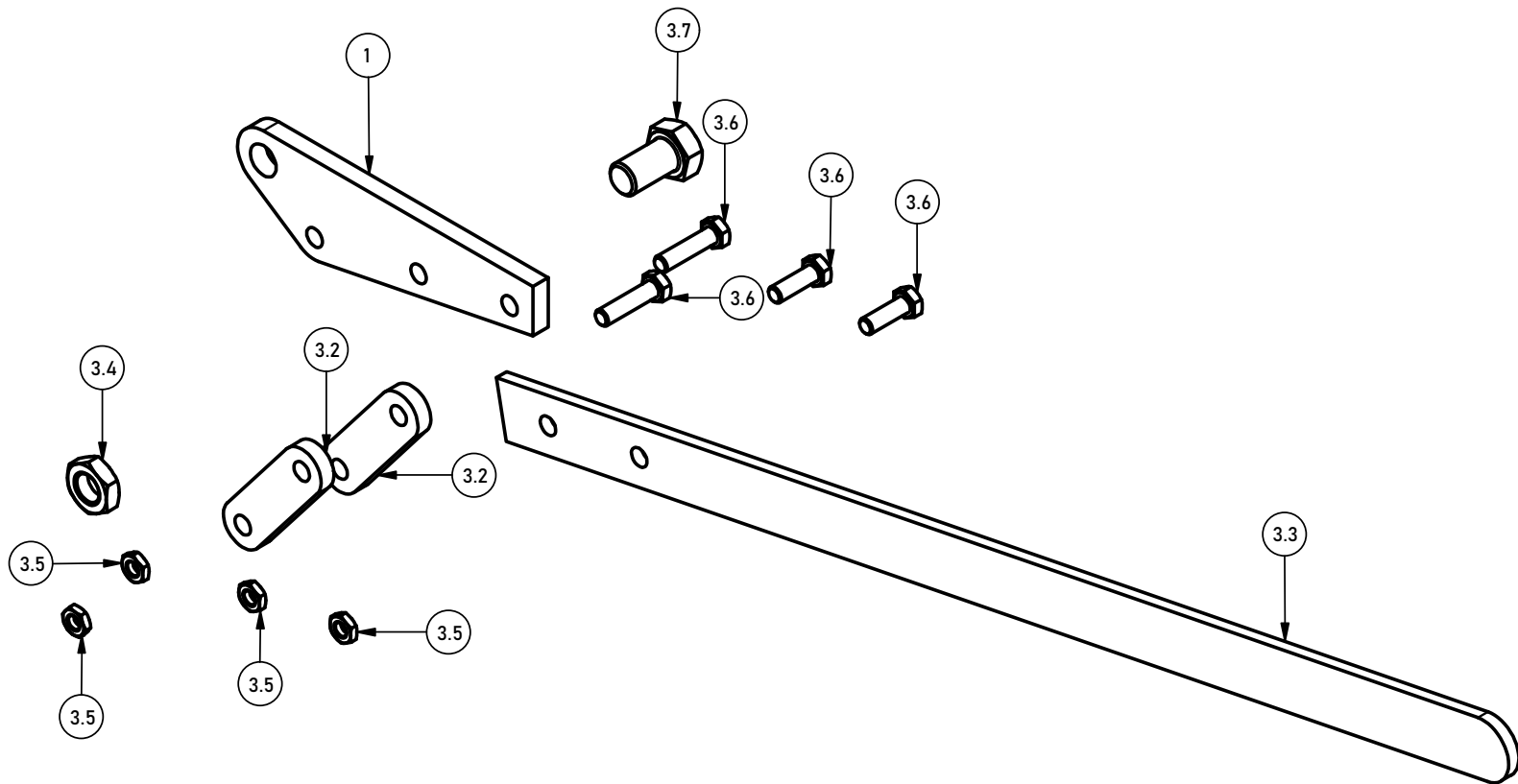
PROJECT CUTTING SHEARS	CREATED BY A. PARDO	APPROVED BY		
PART NAME UPPER BLADE	PART CODE 2.1	DOCUMENT TYPE PART	MATERIAL STEEL SAE 9260	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	LICENSE CC-BY-SA 4.0	FILE NAME UPPER BLADE.ipt	VERSION 1.0	QUANTITY 1
		SCALE 1 / 2	SHEET 12/17	DATE 24/9/2020




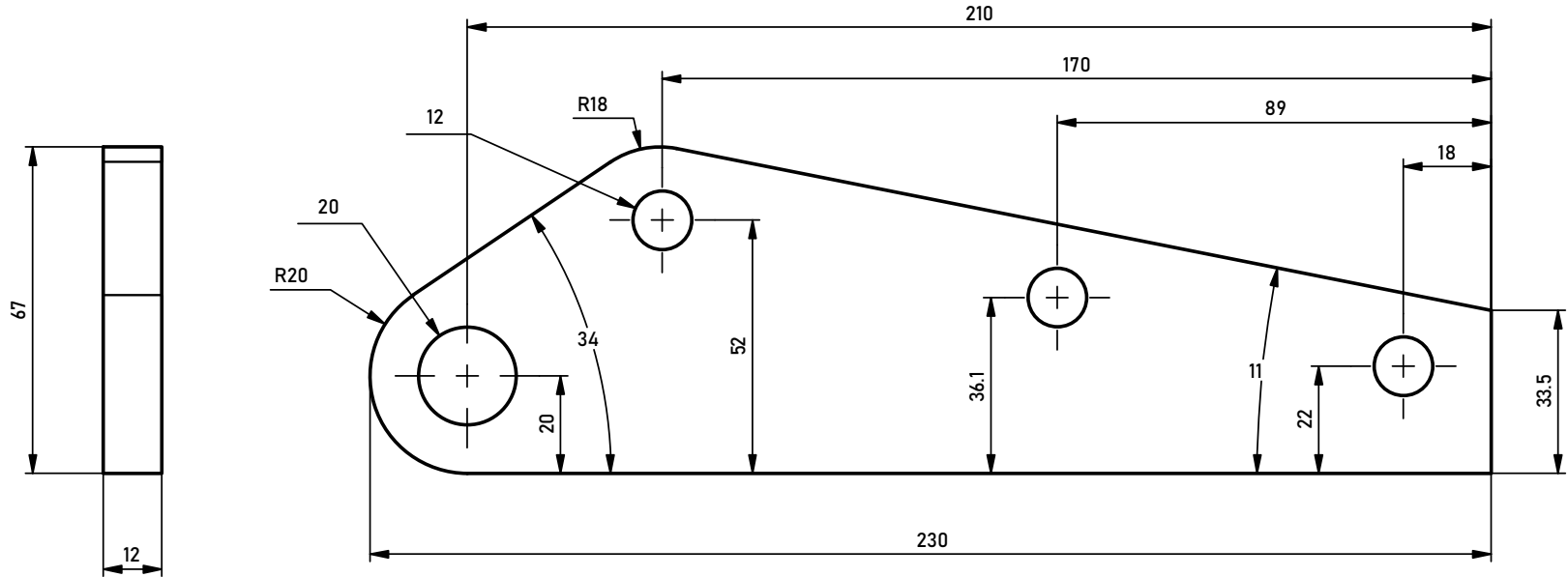
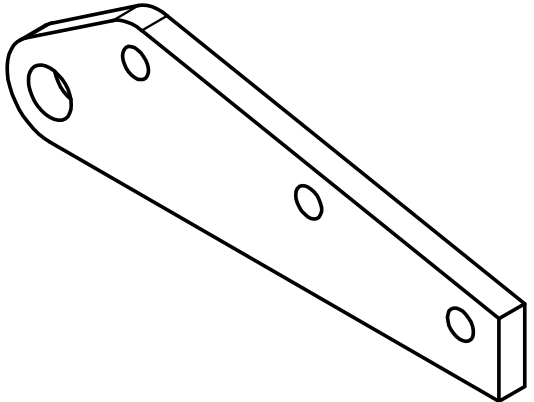
[STEEL QUENCHED ON 840/880 °C ; TEMPERED ON 200 °C](#)


BLADES SHOULD BE LUBRICATED PERIODICALLY TO PREVENT CORROSION.

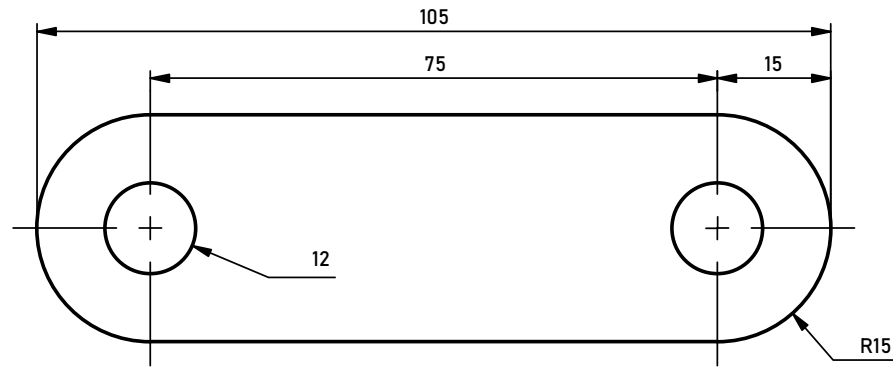
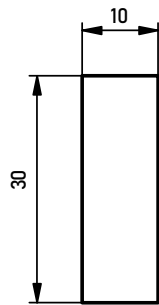
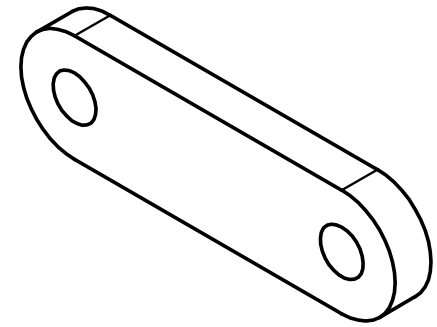
PROJECT CUTTING SHEARS		CREATED BY A. PARDO		APPROVED BY	
PART NAME LOWER BLADE		PART CODE 2.2		DOCUMENT TYPE PART	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development		LICENSE CC-BY-SA 4.0		MATERIAL STEEL SAE 9260	
		FILE NAME LOWER BLADE.ipt		VERSION 1.0	QUANTITY 1
		SCALE 1 / 2	SHEET 13/17	DATE 24/9/2020	

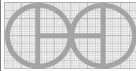


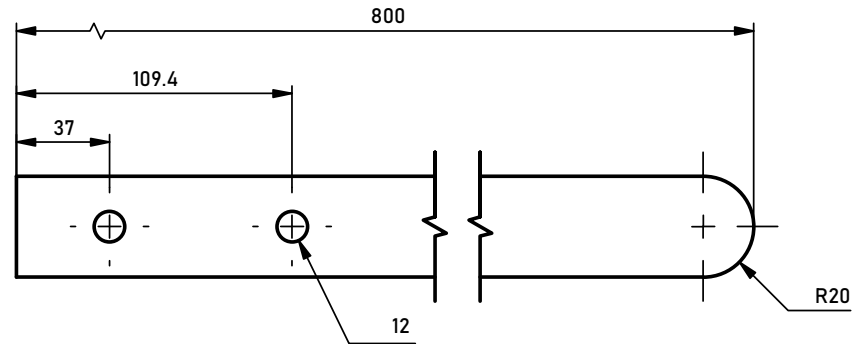
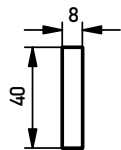
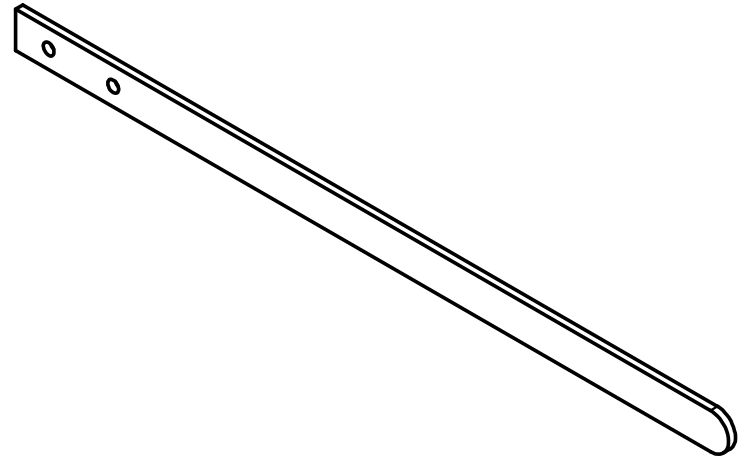
PROJECT CUTTING SHEARS	CREATED BY A. PARDO	APPROVED BY		
PART NAME LEVER	PART CODE 3	DOCUMENT TYPE ASSEMBLY	MATERIAL	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	LICENSE CC-BY-SA 4.0	FILE NAME LEVER.iam	VERSION 1.0	QUANTITY 1
		SCALE 1:4	SHEET 14/17	DATE 28/9/2020




PROJECT CUTTING SHEARS		CREATED BY A. PARDO		APPROVED BY	
PART NAME LEVER PLATE		PART CODE 3.1		DOCUMENT TYPE PART	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development		LICENSE CC-BY-SA 4.0		MATERIAL STEEL C45	
		FILE NAME LEVER PLATE.ipt		VERSION 1.0	
		SCALE 1 / 1.5		QUANTITY 1	
		SHEET 15/17		DATE 24/9/2020	



PROJECT CUTTING SHEARS	CREATED BY A. PARDO	APPROVED BY		
PART NAME CONNECTING LINK	PART CODE 3.2	DOCUMENT TYPE PART	MATERIAL STEEL C45	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	LICENSE CC-BY-SA 4.0	FILE NAME CONNECTING LINK.ipt	VERSION 1.0	QUANTITY 1
		SCALE 1:1	SHEET 16/17	DATE 24/9/2020



PROJECT CUTTING SHEARS		CREATED BY A. PARDO		APPROVED BY	
PART NAME LEVER		PART CODE 3.3		DOCUMENT TYPE PART	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development		LICENSE CC-BY-SA 4.0		MATERIAL STEEL A36	
		FILE NAME LEVER.ipt		VERSION 1.0	QUANTITY 1
		SCALE 1 / 3	SHEET 17 / 17	DATE 24 / 9 / 2020	