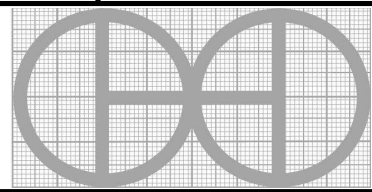


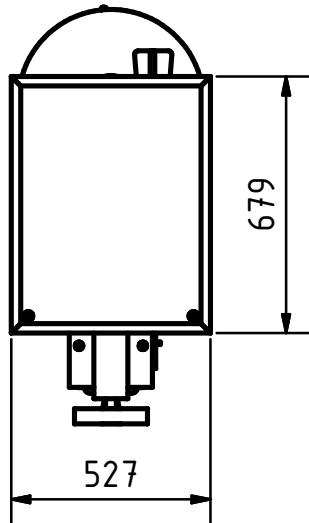
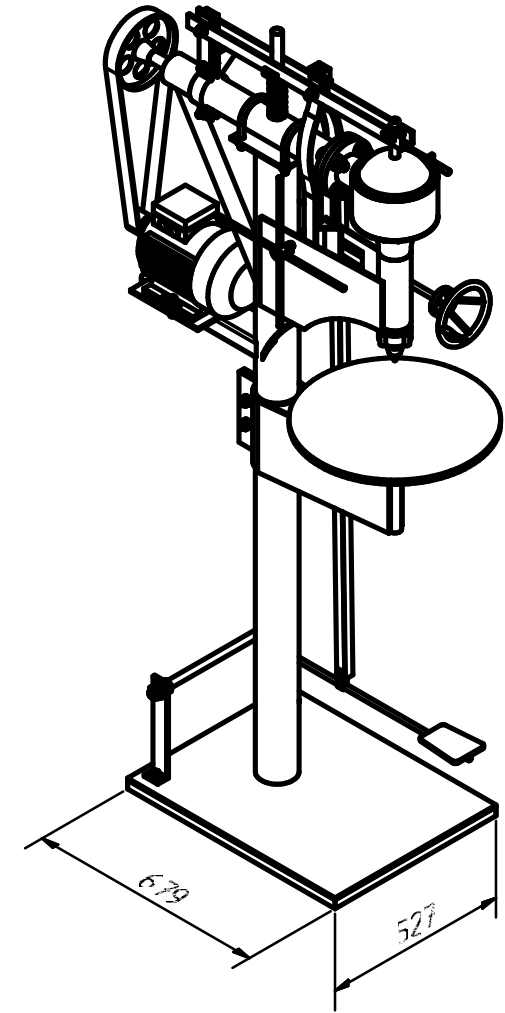
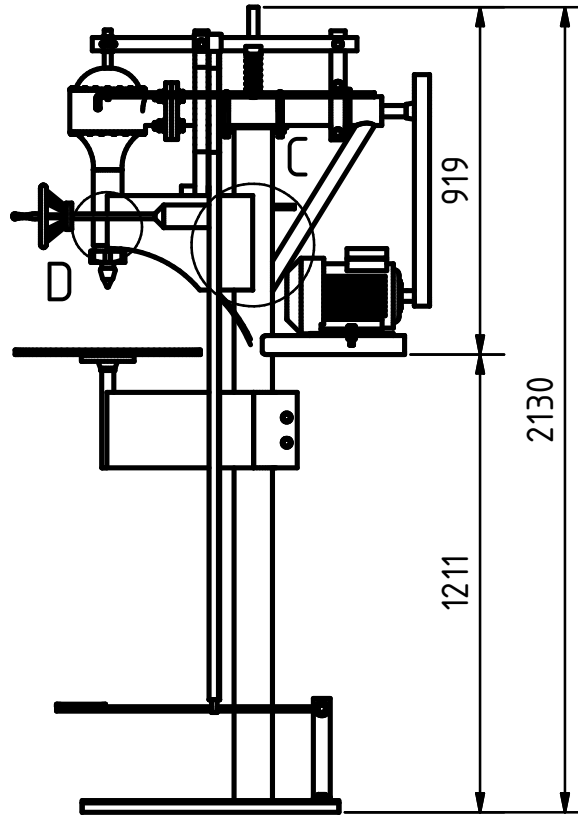
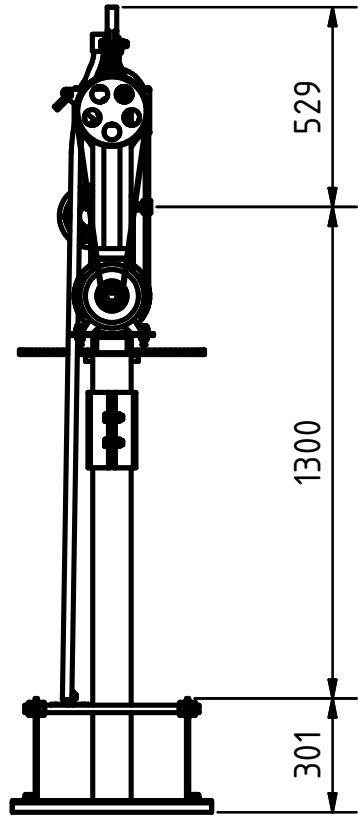
A (1 : 10)

B (1 : 10)

Based on drawings of: L. H. Houck

PROJECT Heavy duty drill press made from auto parts		CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0
PART NAME		FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS A1
3D views		PUBLISHED BY		DOC. TYPE Assembly	QUANTITY 1
OHO e.V.		LICENCE CC-BY-SA 4.0		MATERIAL	SCALE 1:20
					SHEET 1 / 70

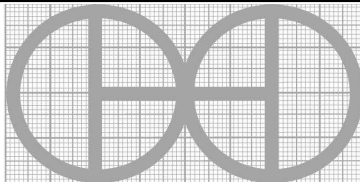


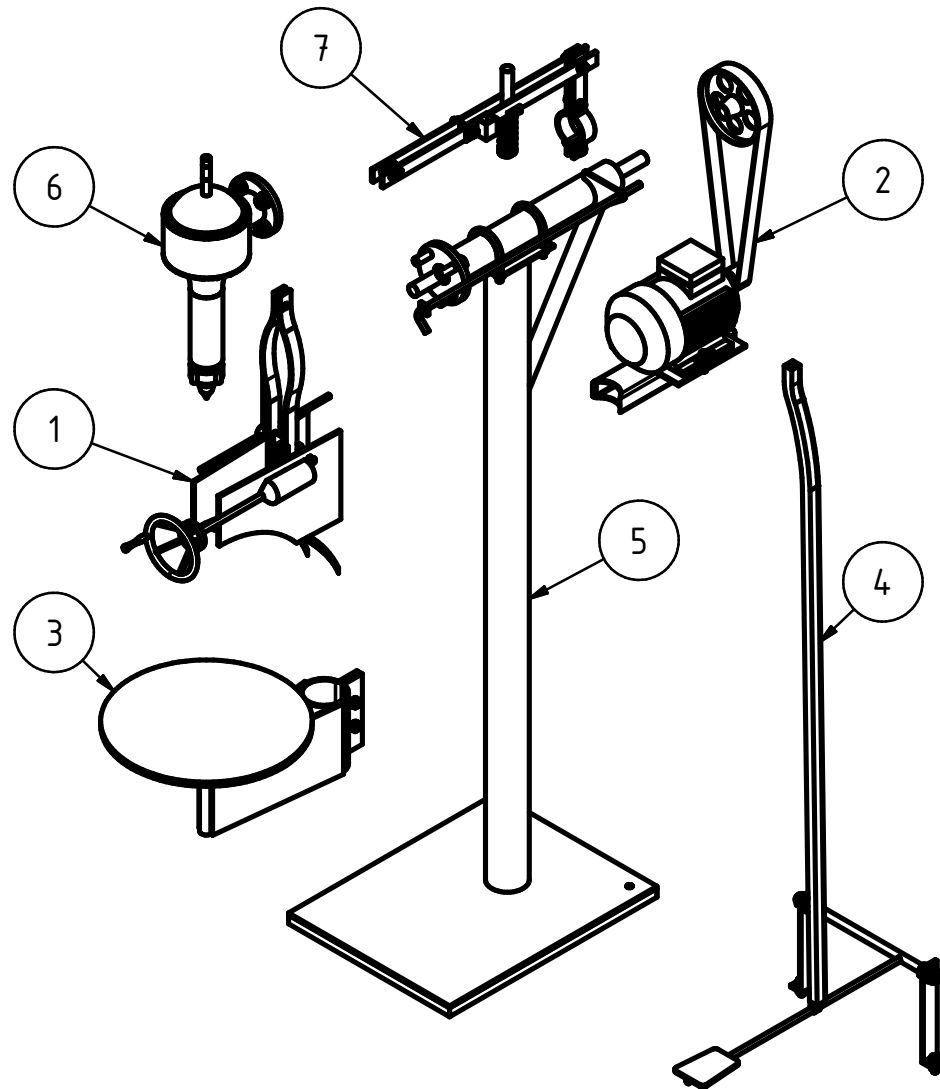


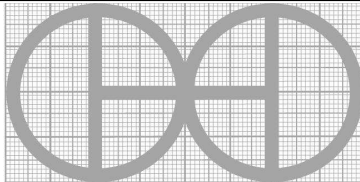
C (1 : 15)



D (1 : 10)

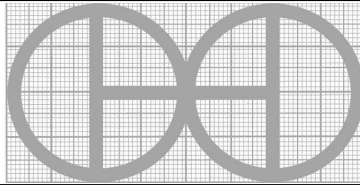
PROJECT Heavy duty drill press made from auto parts	CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0
PART NAME	FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS A1
3D views				QUANTITY
PUBLISHED BY				DOC. TYPE Assembly
OHO e.V.	LICENCE CC-BY-SA 4.0		SCALE 1:20	SHEET 2 / 70



PROJECT Heavy duty drill press made from auto parts	CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0
PART NAME Exploded 3D view	FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS A2
PUBLISHED BY OHO e.V.			DOC. TYPE Assembly	MATERIAL
			LICENCE CC-BY-SA 4.0	SCALE 1:17.5

PARTS LIST

POS	QTY	PART NAME	FILE NAME	PART TYPE	SPECIFICATIONS	SHEET
A1	1	3D views	lhh_hda_heavy_duty_drill_press_mad.idw			1
A1	1	3D views	lhh_hda_heavy_duty_drill_press_mad.idw			2
A2	1	Exploded 3D view	lhh_hda_heavy_duty_drill_press_mad.idw			3
B1		Parts list	lhh_hda_heavy_duty_drill_press_mad.xlsx			4
B2		Parts list	lhh_hda_heavy_duty_drill_press_mad.xlsx			5
B3		Parts list	lhh_hda_heavy_duty_drill_press_mad.xlsx			6
B4		Parts list	lhh_hda_heavy_duty_drill_press_mad.xlsx			7
C1		Technical notes	lhh_hda_heavy_duty_drill_press_mad.idw			8
1.0	1	Steering wheel system	lhh_hda_heavy_duty_drill_press_mad.idw			9
1.0	1	Steering wheel system	lhh_hda_heavy_duty_drill_press_mad.idw			10
1.1	4	Lever bar	lhh_hda_heavy_duty_drill_press_mad.idw	Production	Steel bar A36x 9.75 Ø DIN 10060	11
1.2	1	Wheel axle	lhh_hda_heavy_duty_drill_press_mad.idw	Production	Steel tube A36x 20mm x 33.7 x sch8 DIN 2448	12
1.3	1	Lever axle center	lhh_hda_heavy_duty_drill_press_mad.idw	Production	Steel tube A36 X 40 mm x 17,20Ø DIN 10220	13
1.4	2	Support	lhh_hda_heavy_duty_drill_press_mad.idw	Production	Steel plate C45 X 514 mm	14
1.5	1	Lateral base 1	lhh_hda_heavy_duty_drill_press_mad.idw	Production	Sheet metal C45 x 6mm	15
1.6	1	Lateral base 2	lhh_hda_heavy_duty_drill_press_mad.idw	Production	Sheet metal C45 x 6mm	16
1.7	1	Conical box	lhh_hda_heavy_duty_drill_press_mad.idw	Production	Sheet metal C45 X 3mm	17
1.8	1	Lower base	lhh_hda_heavy_duty_drill_press_mad.idw	Production	Sheet metal C45 X 6 mm	18
1.9	1	Steering wheel		Buy	Steering metal	
1.10	1	Steering rod 1	lhh_hda_heavy_duty_drill_press_mad.idw	Production	Steel tube A36 x 250mm x 2 sch x 13.50 Ø DIN 10220	19
1.11	1	Steering rod 2	lhh_hda_heavy_duty_drill_press_mad.idw	Production	Steel bar A36x 330 x 9.75Ø DIN 10060	20
1.12	1	Gear 1		Buy	DIN 8187 X 17 X 41Ø	
1.13	1	Gear 2		Buy	DIN 8187 X 12 X 38Ø	
1.14	2	Bushing		Buy	Steel A36 x 13,50 DIN 10220 0,8sch	
1.15	1	Gear shaft	lhh_hda_heavy_duty_drill_press_mad.idw	Production	Steel bar A36 x 170 mm x 12 mm Ø DIN 10060	21
1.16	1	Pin 1		Standard	4 Øx 18 mmDIN 8750	
1.17	1	Pin 2	lhh_hda_heavy_duty_drill_press_mad.idw	Production	4 Øx 40 mm DIN 8742	22
1.18	2	Zipper		Buy	DIN 3962 x 104 mm	
1.19	1	Zipper base 1	lhh_hda_heavy_duty_drill_press_mad.idw	Production	Steel plate C45 X 40 mm x 40 mm x 6mm	23
1.20	1	Zipper base 2	lhh_hda_heavy_duty_drill_press_mad.idw	Production	Steel plate C45 X 104 mm x 50 mm x 6mm	24

PROJECT Heavy duty drill press made from auto parts		CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0
PART NAME Parts list		FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS B1
PUBLISHED BY OHO e.V.				DOC. TYPE Parts list	MATERIAL
				LICENCE CC-BY-SA 4.0	SCALE

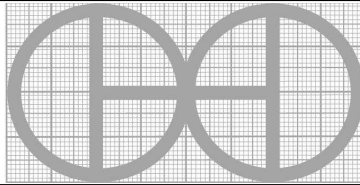
Parts list

POS	QTY	PART NAME	FILE NAME	PART TYPE	SPECIFICATIONS	SHEET
2.0		Motor base	lhh_hda_heavy_duty_drill_press_mad.idw			25
2.0		Motor base	lhh_hda_heavy_duty_drill_press_mad.idw			26
2.1	1	Motor support	lhh_hda_heavy_duty_drill_press_mad.idw	Production	Steel tube A36 x 376 mm x 90 x 50 mm DIN 10210	27
2.2	1	Motor base	lhh_hda_heavy_duty_drill_press_mad.idw	Production	Steel plate A36 x 220 mm x 220 mm x 6 mm	28
2.3	1	Motor		Buy	Motor 1 hp	
2.4	4	Washer		Standard	DIN 125 M10	
2.5	1	Pulley 1		Standard	DIN 2211 X 48,5 Ø	
2.6	1	Pulley 2		Standard	DIN 2211 x 187 Ø	
2.7	1	Leash		Standard	Leash rubber 1380 mm x 40 mm	
2.8	2	Bolt		Standard	DIN 931 M10 X 45 mm	
2.9	2	Nut		Standard	DIN 934 M10	
3.0		Plate system	lhh_hda_heavy_duty_drill_press_mad.idw			29
3.0		Plate system	lhh_hda_heavy_duty_drill_press_mad.idw			30
3.1	1	Plate	lhh_hda_heavy_duty_drill_press_mad.idw	Production	Steel plate C45 x 490 Ø x 12 mm	31
3.2	1	Flange		Buy	DIN 2635 PN 40 32 X 38	
3.3	2	Pivot support 1	lhh_hda_heavy_duty_drill_press_mad.idw	Production	Steel plate C45 390 x 200 mm x 6 mm	32
3.4	1	Pivot plate	lhh_hda_heavy_duty_drill_press_mad.idw	Production	Steel bar A36 x 32 X 300 mm DIN 10060 Ø	33
3.5	2	Bolt		Standard	DIN 933 M12 X 40 mm	
3.6	1	Plate support	lhh_hda_heavy_duty_drill_press_mad.idw	Production	Sheet metal C45 436 mm x 200 mm x 6 mm	34
3.7	4	Washer		Standard	DIN 125 M12	
3.8	2	Nut		Standard	DIN 934 M12	
4.0		Pedal system	lhh_hda_heavy_duty_drill_press_mad.idw			35
4.0		Pedal system	lhh_hda_heavy_duty_drill_press_mad.idw			36
4.1	2	Angle support	lhh_hda_heavy_duty_drill_press_mad.idw	Production	Steel A36 angle DIN 10056 25 X 25 X 3 X 1768 mm	37
4.2	1	Pedal shaft	lhh_hda_heavy_duty_drill_press_mad.idw	Production	Steel bar A36 x 460 mm x 19,7 Ø DIN 10060	38
4.3	1	Pedal bar	lhh_hda_heavy_duty_drill_press_mad.idw	Production	Steel bar A36 x 700 mm x 12 Ø DIN 10060	39
4.4	1	Pedal bar support	lhh_hda_heavy_duty_drill_press_mad.idw	Production	Steel plate C45 97 x 15 mm 3 mm	40
4.5	1	Pedal	lhh_hda_heavy_duty_drill_press_mad.idw	Production	Steel plate C45 130 x 98 x 6 mm	41
4.6	2	Axle support	lhh_hda_heavy_duty_drill_press_mad.idw	Production	Steel plate C45 305 x 45 x 6 mm	42
4.7	2	Bolt 1		Standard	DIN 933 M12 X 35 mm	
4.8	4	Washer 1		Standard	DIN 125 M12	

PROJECT Heavy duty drill press made from auto parts		CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0
PART NAME Parts list		FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS B2
PUBLISHED BY OHO e.V.		DOC. TYPE Parts list		MATERIAL	QUANTITY
		LICENCE CC-BY-SA 4.0		SCALE	SHEET 5 / 70

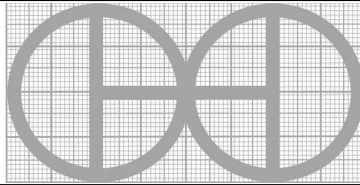
Parts list

POS	QTY	PART NAME	FILE NAME	PART TYPE	SPECIFICATIONS	SHEET
4.9	2	Nut 1		Standard	DIN 934 M12	
4.10	4	Washer 2		Standard	DIN 125 M20	
4.11	4	Nut 2		Standard	DIN 934 M20	
4.12	1	Bolt 2		Standard	DIN 933 M6 X 28 mm	
4.13	2	Washer 3		Standard	DIN 125 M6	
4.14	1	Nut 3		Standard	DIN 934 M6	
5.0		Base drill	lhh_hda_heavy_duty_drill_press_mad.idw			43
5.0		Base drill	lhh_hda_heavy_duty_drill_press_mad.idw			44
5.1	2	Base Support 1	lhh_hda_heavy_duty_drill_press_mad.idw	Production	Steel A36 angle DIN 10056 25X 25 X 3 X 679 mm	45
5.2	2	Base Support 2	lhh_hda_heavy_duty_drill_press_mad.idw	Production	Steel A36 angle DIN 10056 25X 25 X 3 X 527 mm	46
5.3	1	Base drill	lhh_hda_heavy_duty_drill_press_mad.idw	Production	Sheet metal C45 679 x 527 x 6 mm	47
5.4	1	Support column	lhh_hda_heavy_duty_drill_press_mad.idw	Production	Steel tube A36 1780 x 101,60mm 5 sch DIN 10210	48
5.5	1	Top support	lhh_hda_heavy_duty_drill_press_mad.idw	Production	Steel tube A36 517 x 42,4mm 4 sch DIN 10210	49
5.6	1	Safe base 1	lhh_hda_heavy_duty_drill_press_mad.idw	Production	Steel plate C45 131 x 116 mm	50
5.7	2	Clamps	lhh_hda_heavy_duty_drill_press_mad.idw	Production	Steel bar A36 280 x 12 Ø	51
5.8	2	Bearing		Standard	DIN 625 SKF 63_28	
5.9	1	Central axle	lhh_hda_heavy_duty_drill_press_mad.idw	Production	Steel bar A36 DIN 10060 753 mmx 30 Ø	52
5.10	1	Axle support	lhh_hda_heavy_duty_drill_press_mad.idw	Production	Steel tube A36 DIN 10210 540 mm x 76.1Ø X 4 sch	53
5.11	4	Bolt		Standard	DIN 931 M18X 65 mm	
5.12	1	Flange		Standard	DIN 2576 PN 10 - 40 X 44,5	
5.13	4	Washer 1		Standard	DIN 125 M18	
5.14	1	Safe base 2	lhh_hda_heavy_duty_drill_press_mad.idw	Production	Steel plate C45 DIN 10278	54
5.15	1	Top plate	lhh_hda_heavy_duty_drill_press_mad.idw	Production	Steel plate C45 127 x 178 x 6 mm	55
5.16	4	Nut		Standard	Din 934 M12	
5.17	4	Washer 2		Standard	DIN 125 M12	
5.18	1	Safe	lhh_hda_heavy_duty_drill_press_mad.idw	Production	Steel bar A36 793 x 12 Ø	56
6.0		Drill system				57
6.0		Drill system				58
6.1	1	Transmission top		Standard		59
6.2	1	Transmission bar		Standard	Steel bar A36 615 x 19Ø	60
6.3	1	Transmission tube		Production	Steel tube A36 DIN 2448 200 x 76,1Ø X 4 sch	61

PROJECT Heavy duty drill press made from auto parts		CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0
PART NAME Parts list		FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS B3
PUBLISHED BY OHO e.V.			DOC. TYPE Parts list	MATERIAL	QUANTITY
			LICENCE CC-BY-SA 4.0	SCALE	SHEET 6 /70

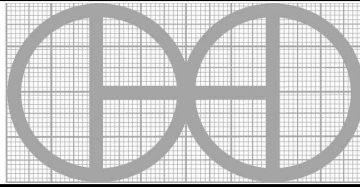
Parts list

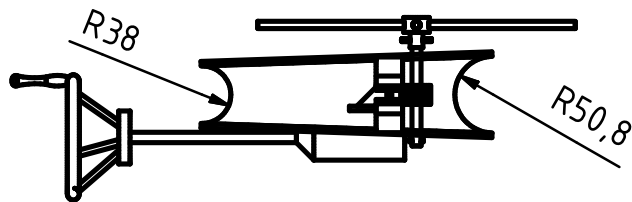
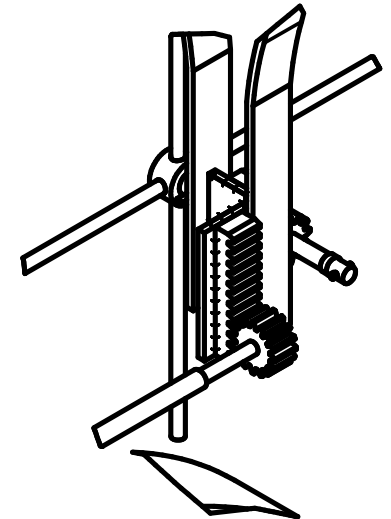
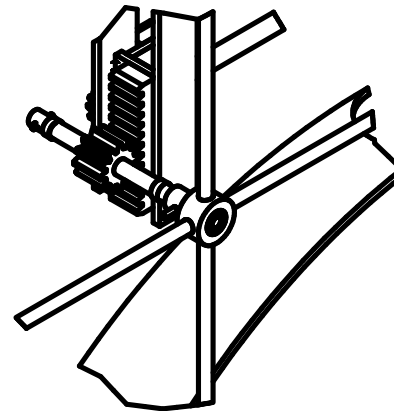
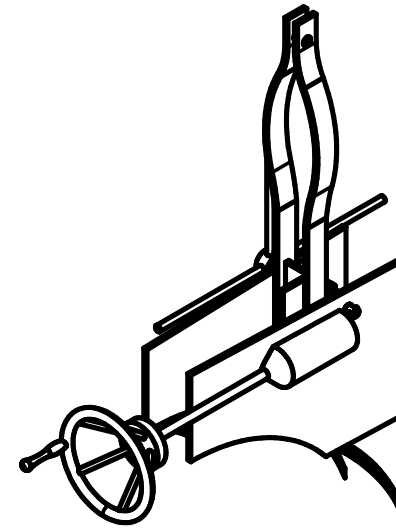
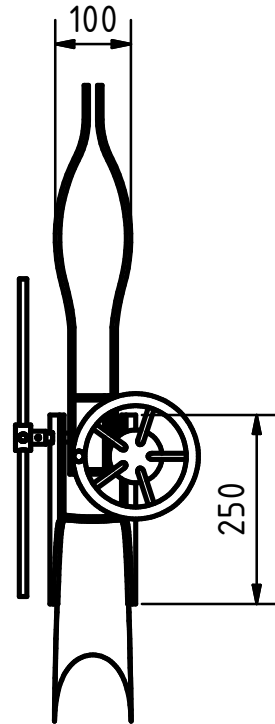
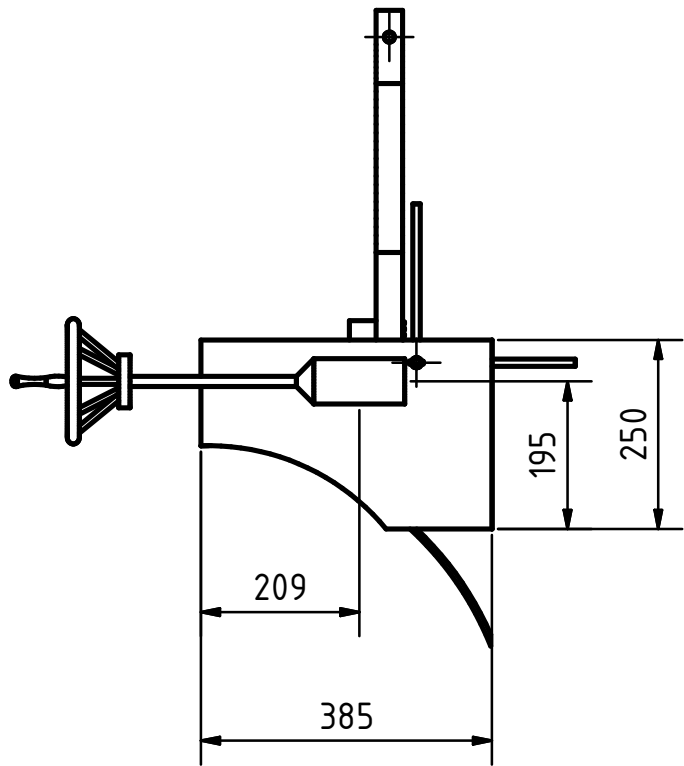
POS	QTY	PART NAME	FILE NAME	PART TYPE	SPECIFICATIONS	SHEET
6.4	1	Bearing		Standard	DIN 625 SKF (61804-RZ)	
6.5	1	Joint		Standard		
6.6	1	Drill		Standard		
6.7	4	Washer		Standard	DIN125 M18	
6.8	4	Nut		Standard	DIN 934 M18	
7.0		Pivot System	lhh_hda_heavy_duty_drill_press_mad.idw			62
7.0		Pivot System	lhh_hda_heavy_duty_drill_press_mad.idw			63
7.1	2	Pivot bar	lhh_hda_heavy_duty_drill_press_mad.idw	Production	Steel plate C45 700 x 35 x 6 mm	64
7.2	2	Pivot support	lhh_hda_heavy_duty_drill_press_mad.idw	Production	Steel plate C45 347x 38 mm x 6 mm	65
7.3	1	Spring tube	lhh_hda_heavy_duty_drill_press_mad.idw	Production	Steel bar A36 DIN10060 239 mm x 25 Ø	66
7.4	1	Spring		Standard	Spring compressed 25Ø	
7.5	1	Support pivot bar	lhh_hda_heavy_duty_drill_press_mad.idw	Production	Steel plate A36 72 x 40 x 6 mm	67
7.6	1	Rail box	lhh_hda_heavy_duty_drill_press_mad.idw	Production	Sheet metal C45 172 x 45 x 3 mm	68
7.7	1	Bushing		Standard	Steel tube A36 DIN 10220 35 mm x 25Ø X 2,9 sch	69
7.8	2	Pin bushing	lhh_hda_heavy_duty_drill_press_mad.idw	Production	Steel bar A36 DIN 10060 975 Ø X 20 mm	70
7.9	2	Circlips		Standard	DIN 6799 - 15 24	
7.10	1	Bolt 1		Standard	DIN 933 M12 X 60 mm	
7.11	1	Bolt 2		Standard	DIN 933 M12 X 45 mm	
7.12	1	Bolt 3		Standard	DIN 933 M12 X 50 mm	
7.13	8	Washer		Standard	DIN 125 M12	
7.14	1	Bolt 4		Standard	DIN 933 M12X 65 mm	
7.15	4	Nut		Standard	DIN 934 M12	

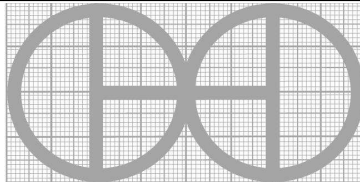
PROJECT Heavy duty drill press made from auto parts		CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0
PART NAME Parts list		FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS B4
PUBLISHED BY OHO e.V.			DOC. TYPE Parts list	MATERIAL	QUANTITY
			LICENCE CC-BY-SA 4.0	SCALE	SHEET 7 /70

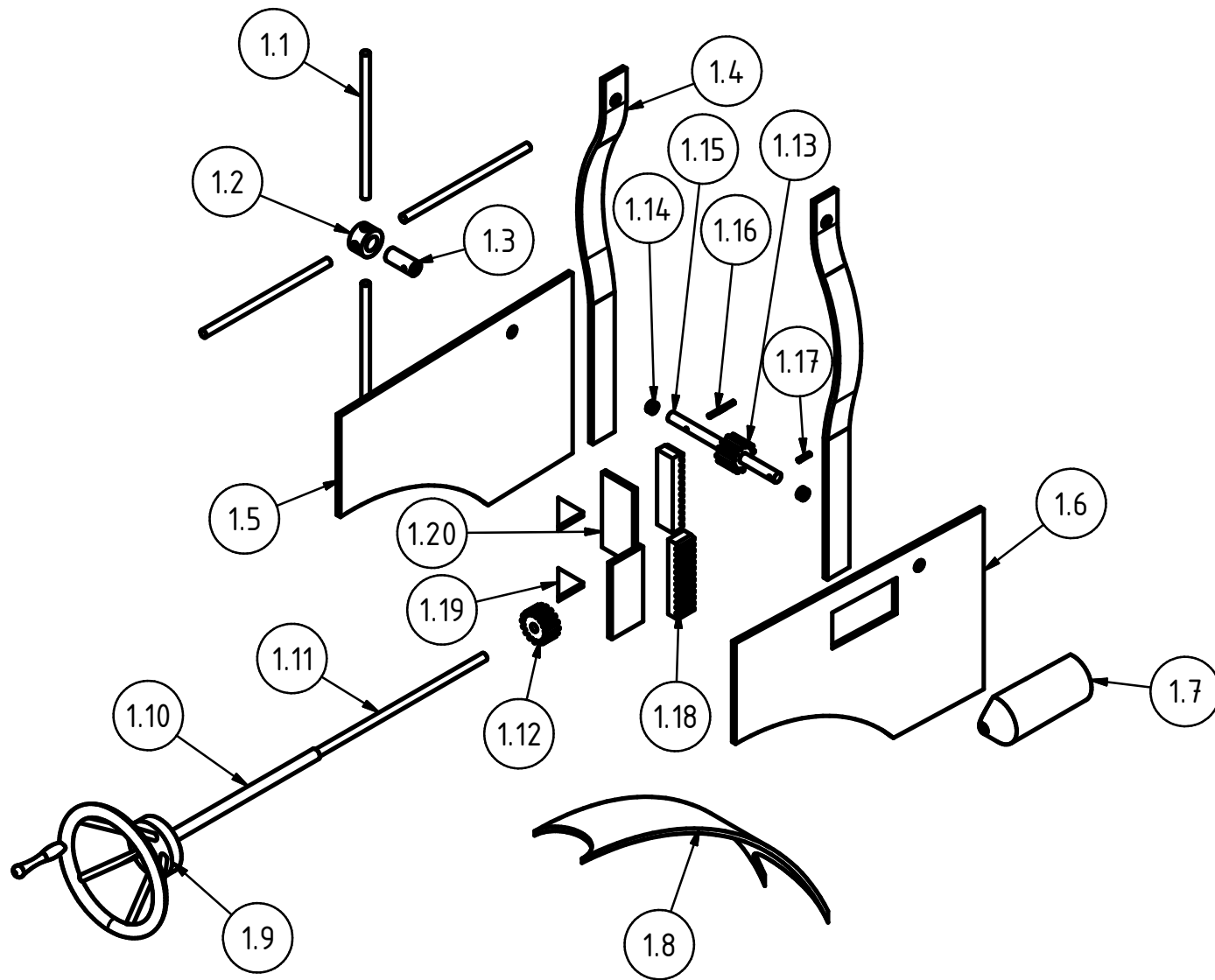
TECHNICAL NOTES

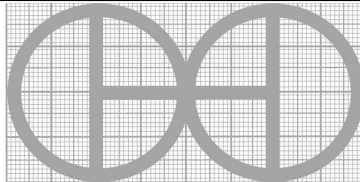
NOTES	CONTENT
GENERAL NOTES	
Metal structure treatment	Iron structures should be painted to prevent rust and improve equipment life. - Remove loose rust with a wire brush, sandpaper or chemical rust remover. - If applicable, sand areas where paint is chipping until surface is smooth. - Remove dust or oil with a degreaser or denatured alcohol. - Prime surface to protect against rust and corrosion
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.
...	...
...	...

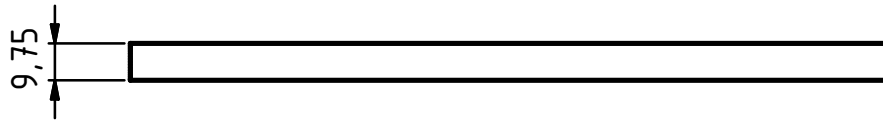
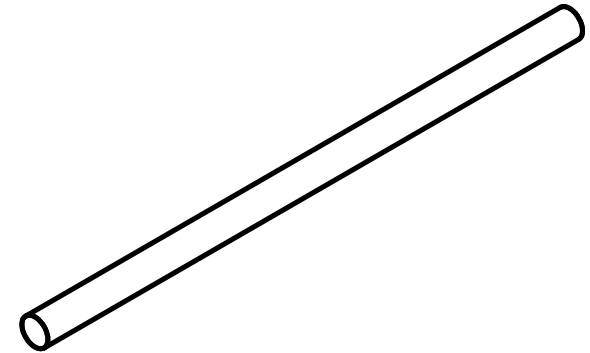
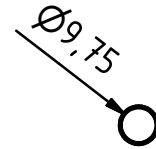
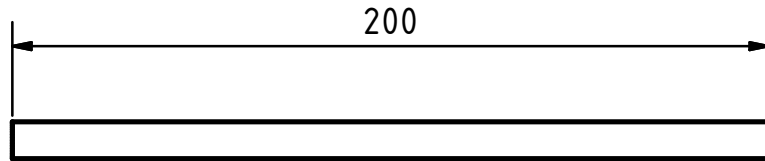
PROJECT Heavy duty drill press made from auto parts	CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0
PART NAME Tecnichal notes	FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS C1
PUBLISHED BY OHO e.V.			DOC. TYPE Tecnichal Notes	MATERIAL
			LICENCE CC-BY-SA 4.0	SCALE

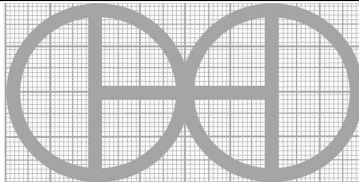


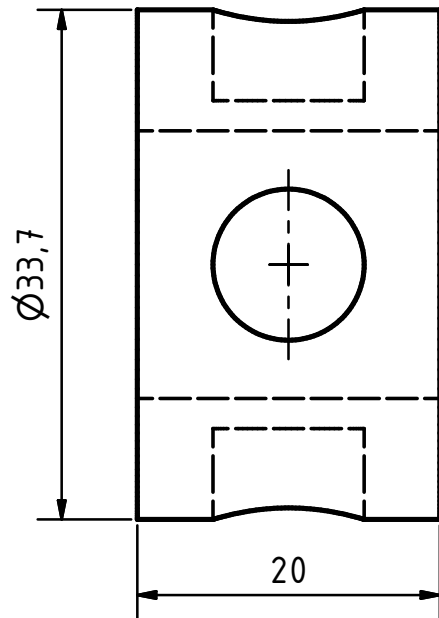
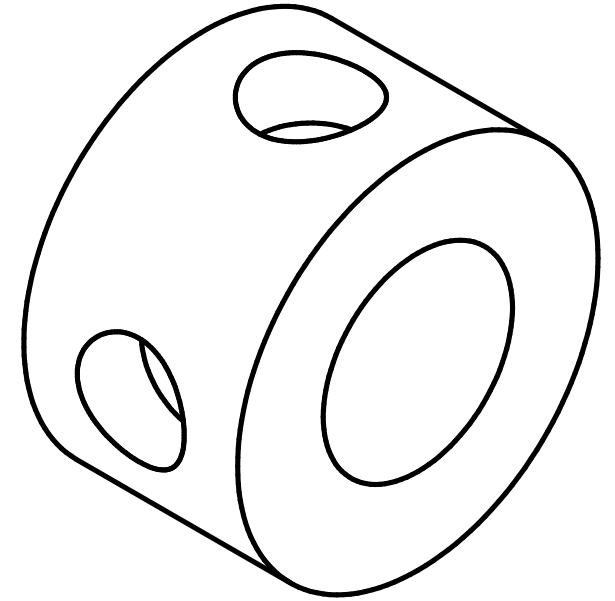
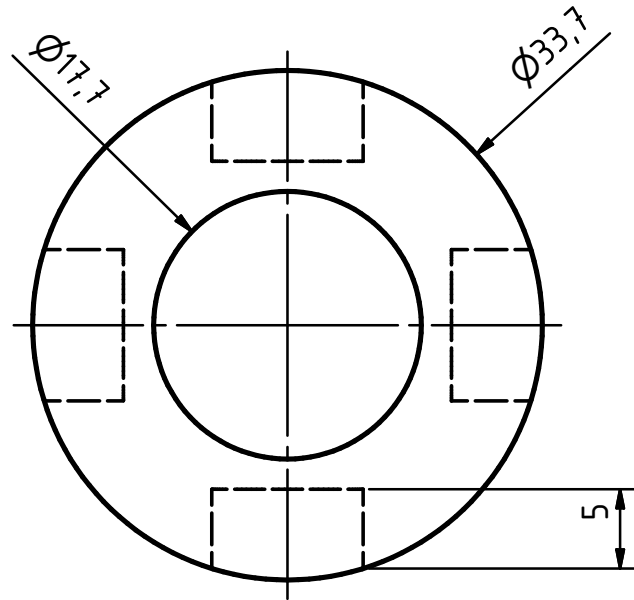
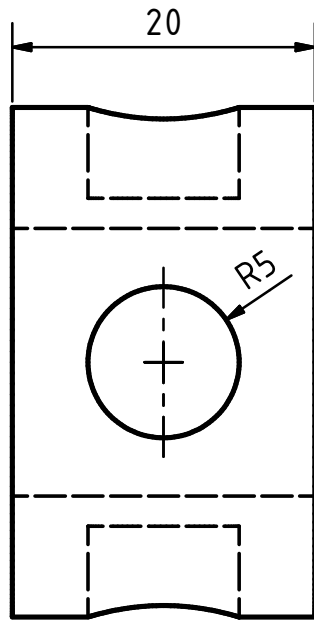
PROJECT Heavy duty drill press made from auto parts	CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0
PART NAME Steering wheel system	FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS 1.0
PUBLISHED BY OHO e.V.		DOC. TYPE Assmblly	MATERIAL	QUANTITY
		LICENCE CC-BY-SA 4.0	SCALE 1:10	SHEET 9 /70

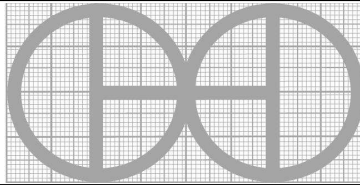


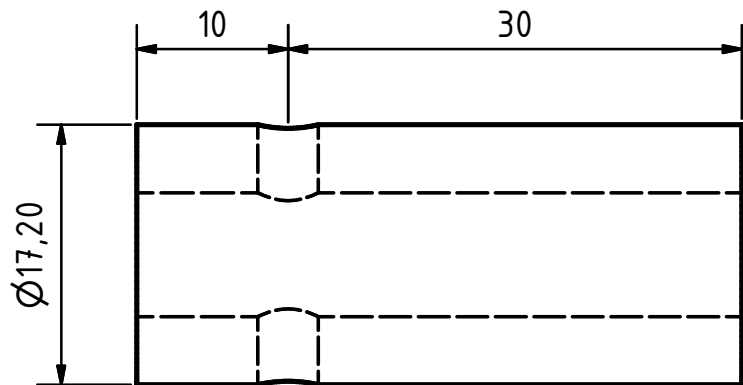
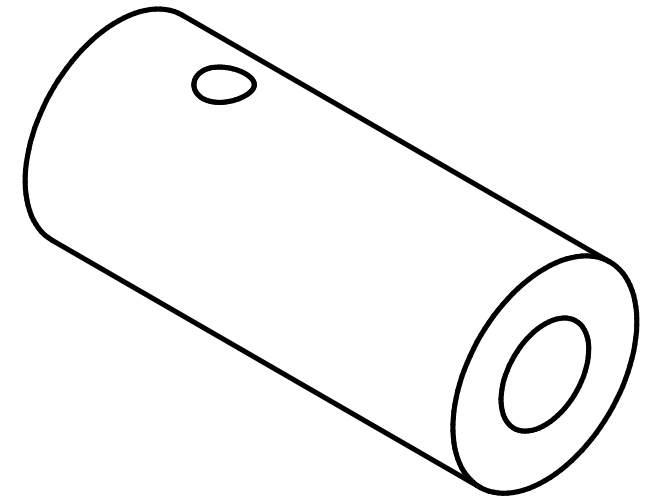
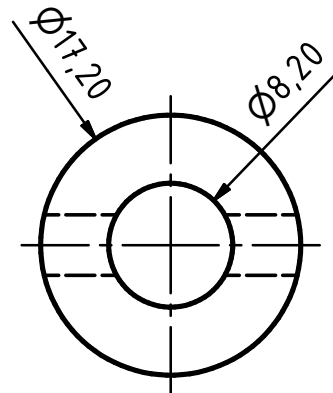
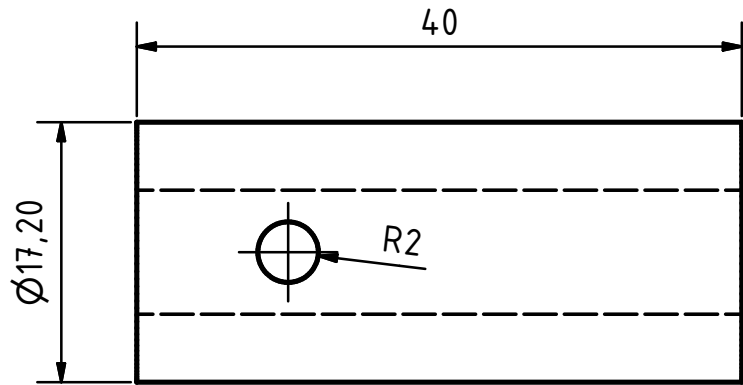
PROJECT Heavy duty drill press made from auto parts		CREATED BY E. Araujo		APPROVED BY A. Morillo		DATE 02/11/2021		VERSION 1.0	
PART NAME Steering wheel system				FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw				POS 1.0	
PUBLISHED BY OHO e.V.				DOC. TYPE Assembly		MATERIAL		QUANTITY	
				LICENCE CC-BY-SA 4.0		SCALE 1:7.5		SHEET 10 /70	

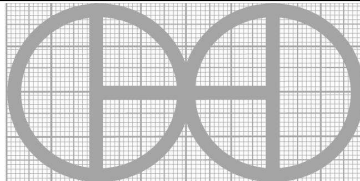


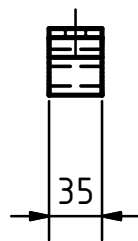
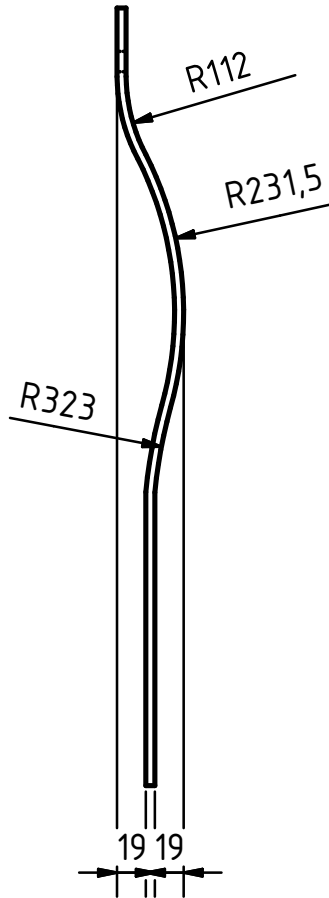
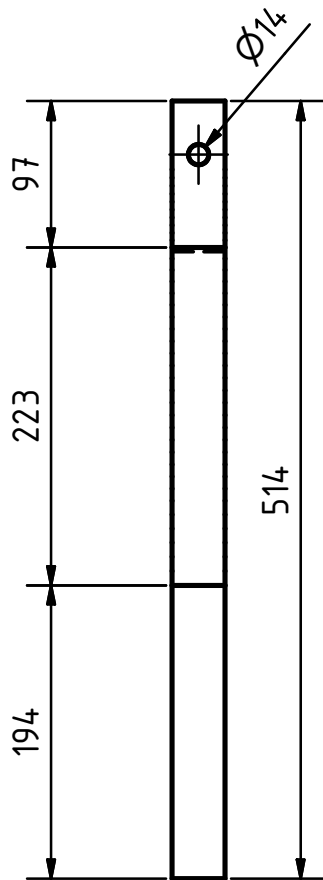
PROJECT Heavy duty drill press made from auto parts	CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0	
PART NAME Lever bar	FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS 1.1	
PUBLISHED BY OHO e.V.			DOC. TYPE Part	MATERIAL Steel A36	QUANTITY 1
			LICENCE CC-BY-SA 4.0	SCALE 1:2	SHEET 11 /70

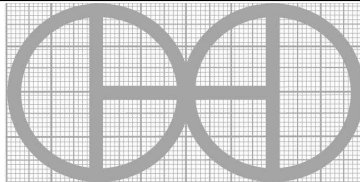


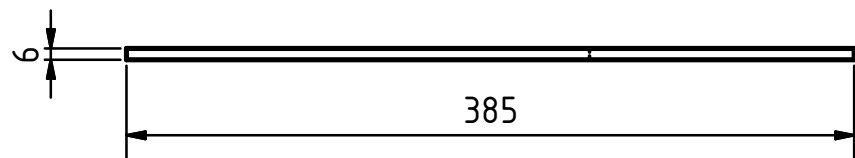
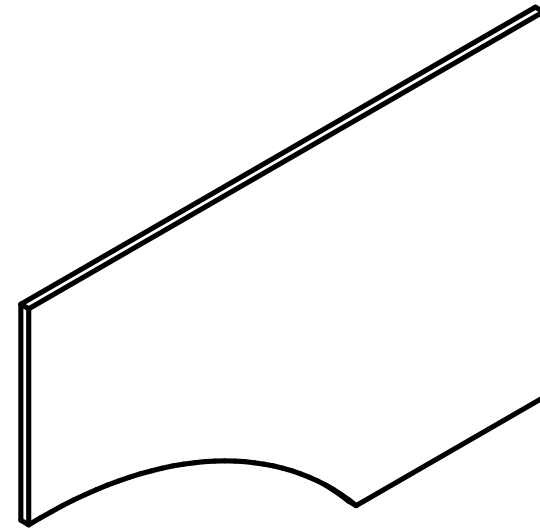
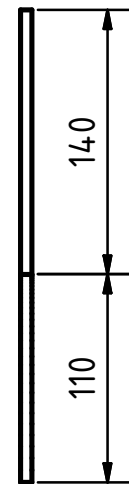
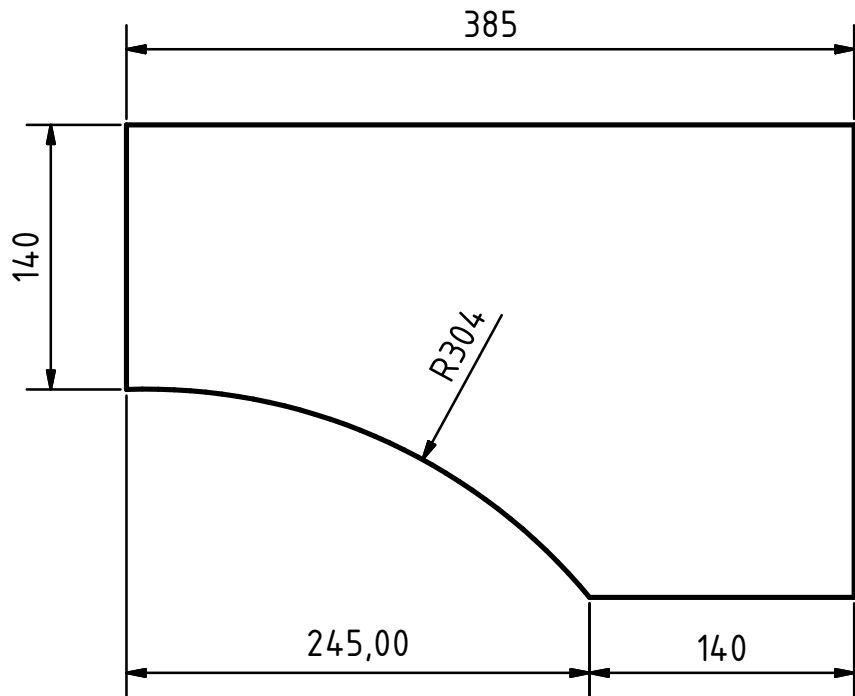
PROJECT Heavy duty drill press made from auto parts	CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0
PART NAME Wheel axle	FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS 1.2
PUBLISHED BY OHO e.V.		DOC. TYPE Part	MATERIAL Steel A36	QUANTITY 1
		LICENCE CC-BY-SA 4.0	SCALE 2:1	SHEET 12 /70

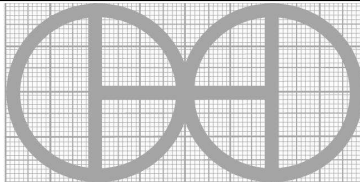


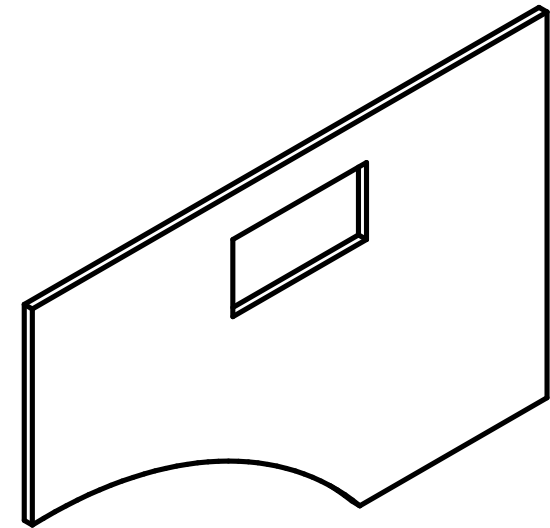
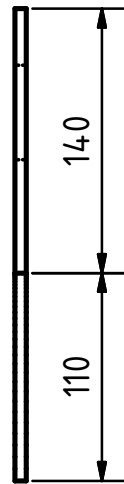
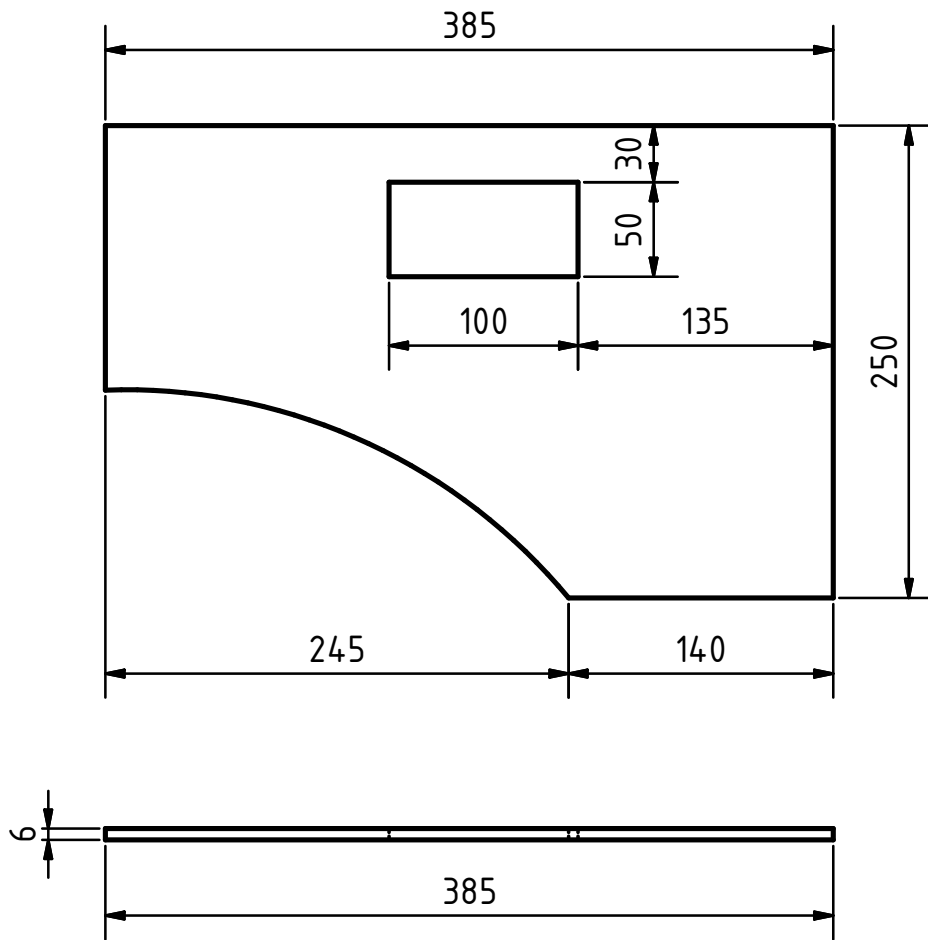
PROJECT Heavy duty drill press made from auto parts	CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0
PART NAME Lever axle center	FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS 1.3
PUBLISHED BY 	DOC. TYPE Part	MATERIAL Steel A36		QUANTITY 1
	LICENCE CC-BY-SA 4.0	SCALE 2:1	SHEET 13 /70	
OHO e.V.				

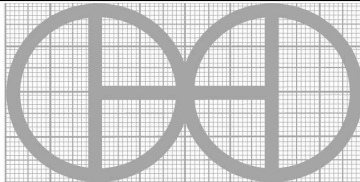


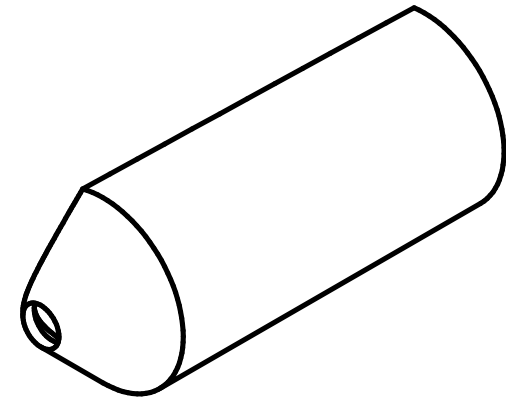
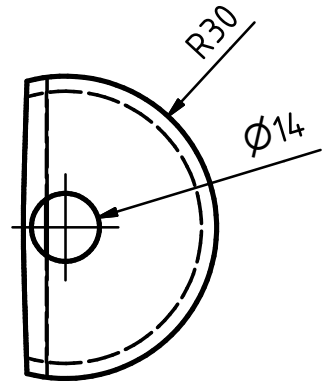
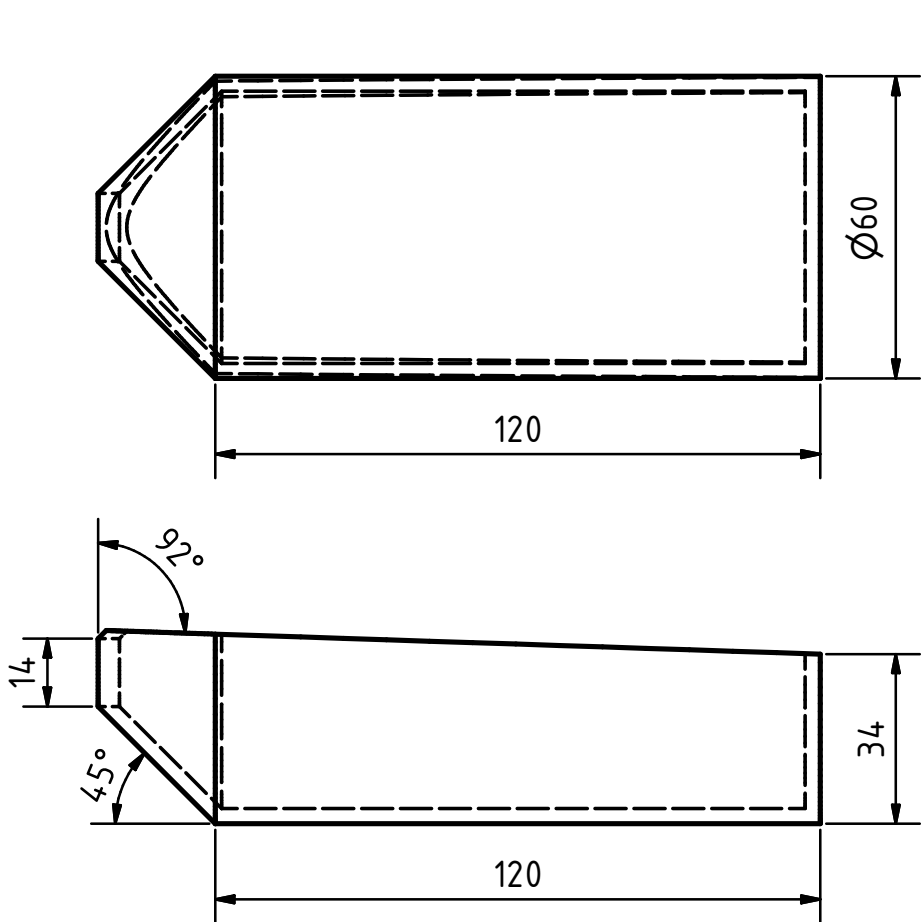
PROJECT Heavy duty drill press made from auto parts	CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0
PART NAME Support	FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS 1.4
PUBLISHED BY OHO e.V.		DOC. TYPE Part	MATERIAL Steel plate C45	QUANTITY 2
		LICENCE CC-BY-SA 4.0	SCALE 1:5	SHEET 14 /70

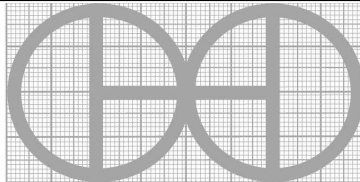


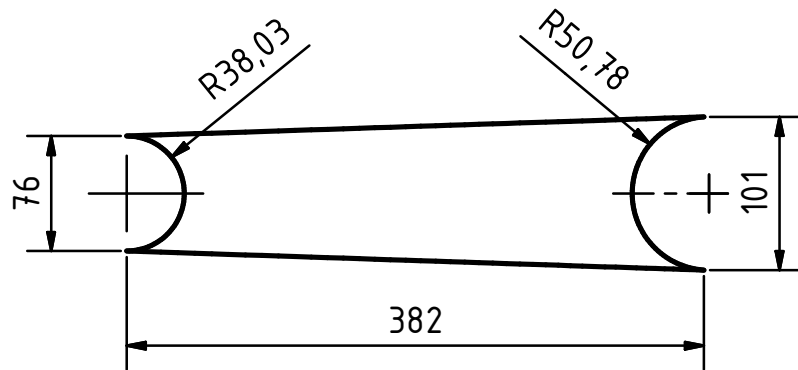
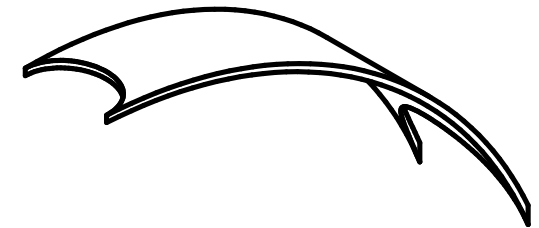
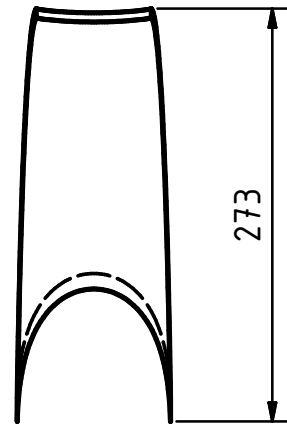
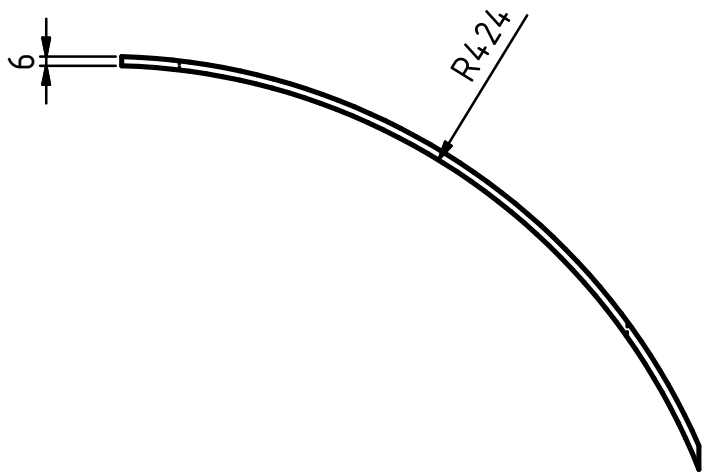
PROJECT Heavy duty drill press made from auto parts	CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0
PART NAME Lateral base 1	FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS 1.5
PUBLISHED BY OHO e.V.		DOC. TYPE Part	MATERIAL Sheet metal C45	QUANTITY 1
		LICENCE CC-BY-SA 4.0	SCALE 1:4	SHEET 15 /70

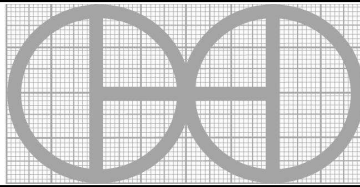


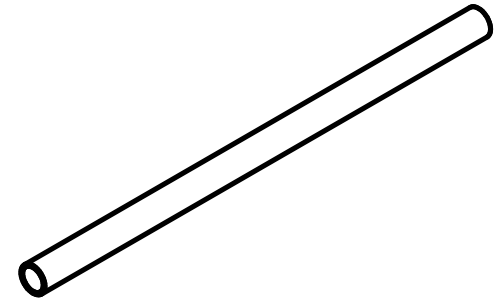
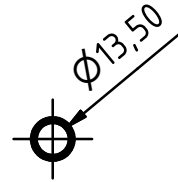
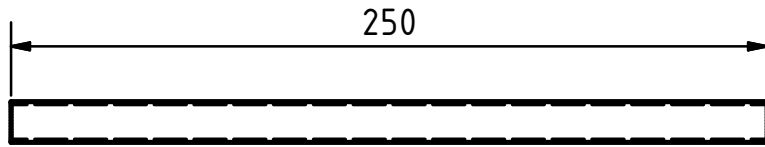
PROJECT Heavy duty drill press made from auto parts	CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0
PART NAME Lateral base 2	FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS 1.6
PUBLISHED BY OHO e.V.		DOC. TYPE Part	MATERIAL Sheet metal C45	QUANTITY 1
		LICENCE CC-BY-SA 4.0	SCALE 1:4	SHEET 16 /70

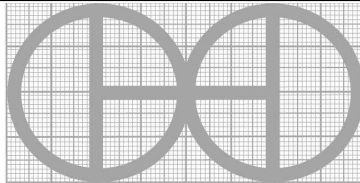


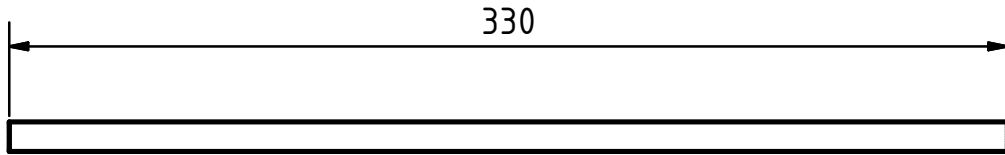
PROJECT Heavy duty drill press made from auto parts	CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0	
PART NAME Conical box	FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS 1.7	
PUBLISHED BY OHO e.V.			DOC. TYPE Part	MATERIAL Conical box	QUANTITY 1
			LICENCE CC-BY-SA 4.0	SCALE 1:1.5	SHEET 17 /70



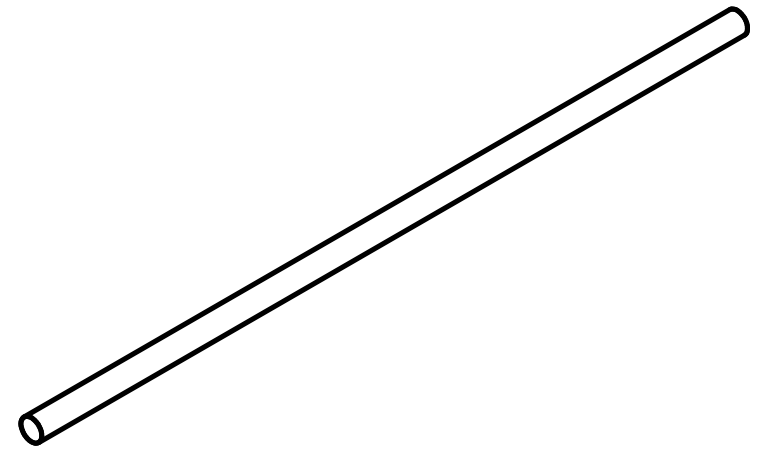
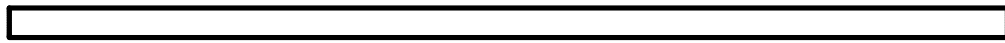
PROJECT Heavy duty drill press made from auto parts	CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0	
PART NAME Lower base	FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS 1.8	
PUBLISHED BY OHO e.V.			DOC. TYPE Part	MATERIAL Sheet metal C45	QUANTITY 1
			LICENCE CC-BY-SA 4.0	SCALE 1:5	SHEET 18 /70

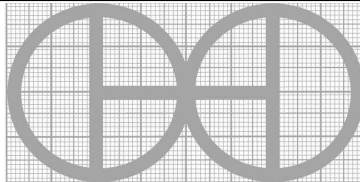


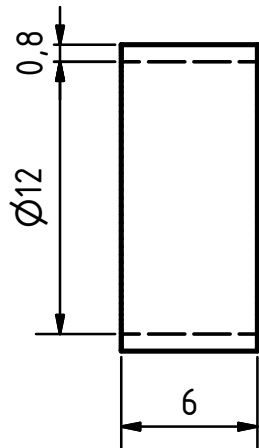
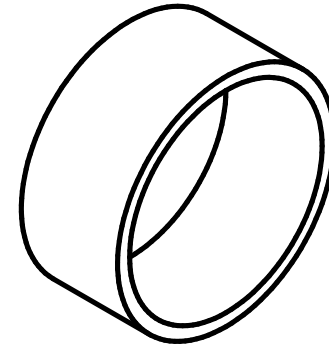
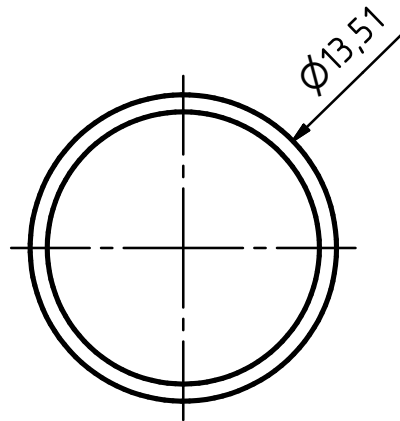
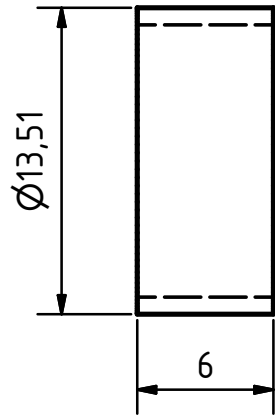
PROJECT Heavy duty drill press made from auto parts		CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0
PART NAME Steering rod 1		FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS 1.10
PUBLISHED BY OHO e.V.			DOC. TYPE Part	MATERIAL Steel tube A36	QUANTITY 1
			LICENCE CC-BY-SA 4.0	SCALE 1:2.5	SHEET 19 /70

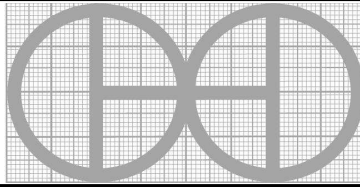


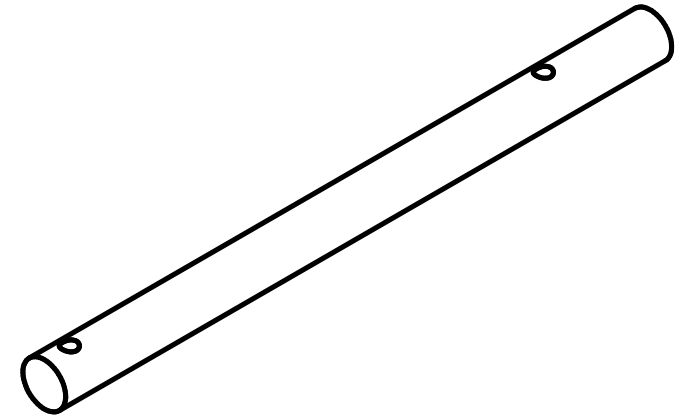
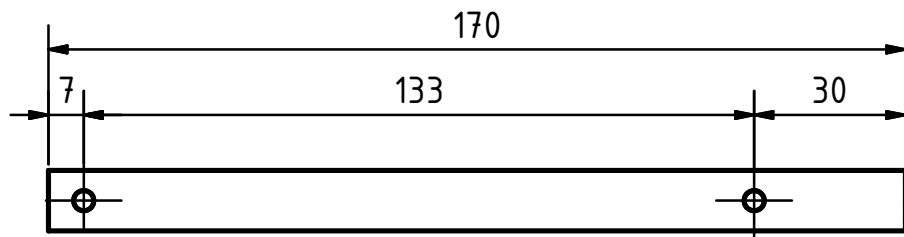
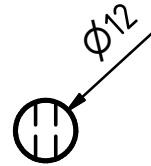
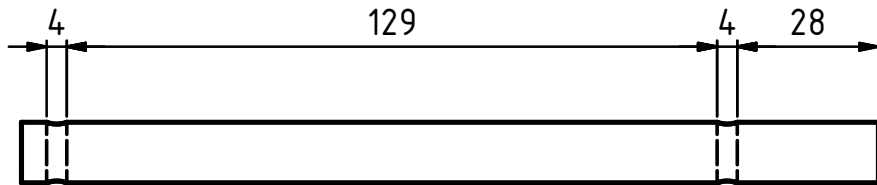
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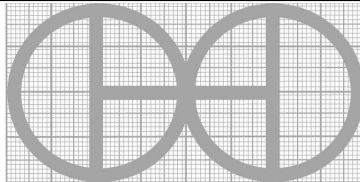


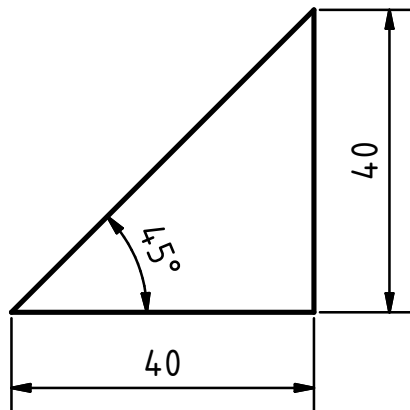
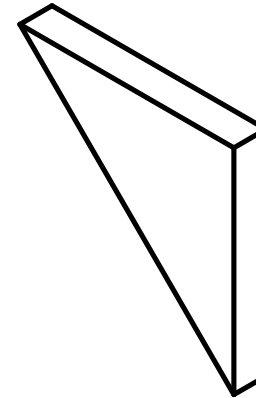
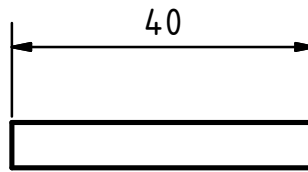
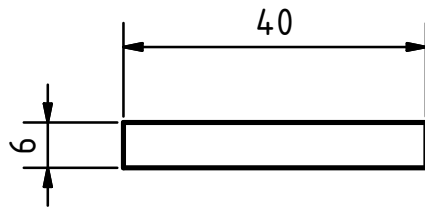
PROJECT Heavy duty drill press made from auto parts	CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0	
PART NAME Steering rod 2	FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS 1.11	
PUBLISHED BY OHO e.V.			DOC. TYPE Part	MATERIAL Steel bar A36	QUANTITY 1
			LICENCE CC-BY-SA 4.0	SCALE 1:2.5	SHEET 20 /70

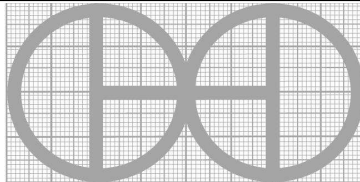


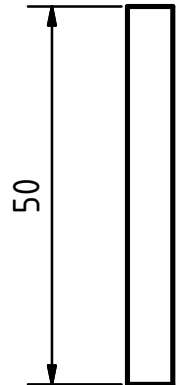
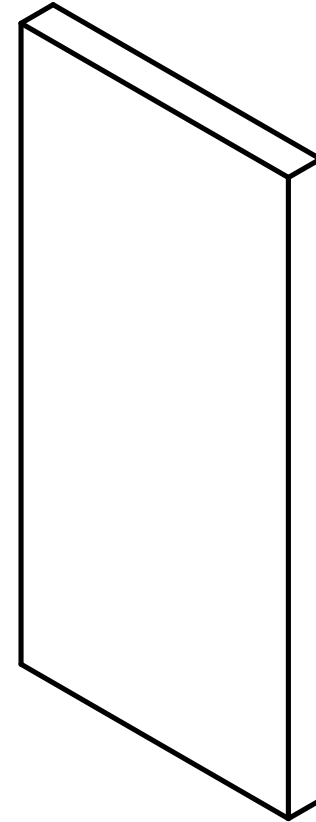
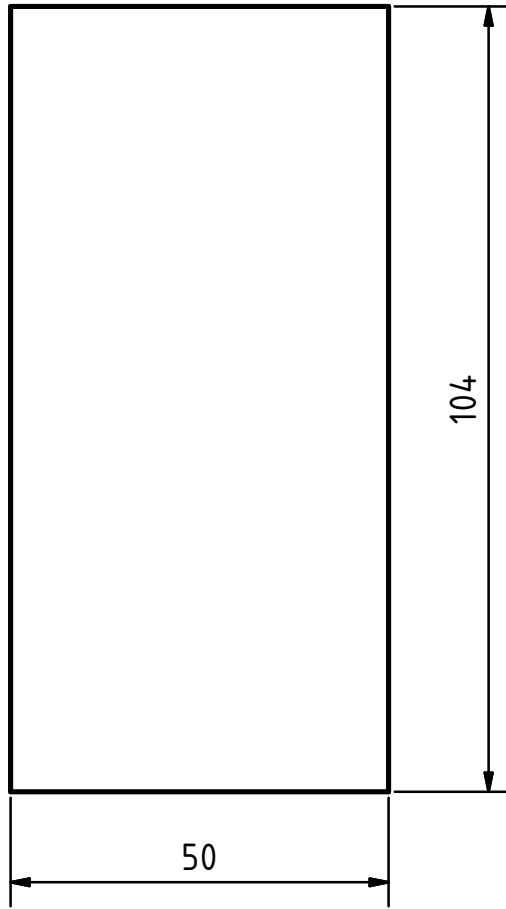
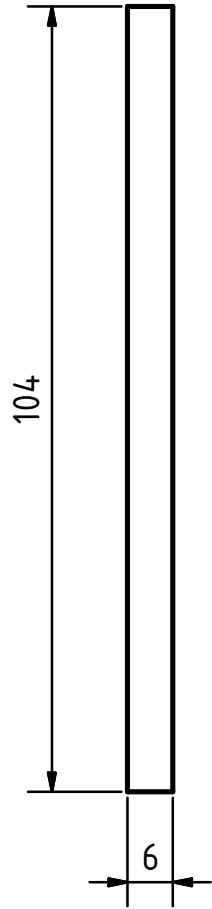
PROJECT Heavy duty drill press made from auto parts	CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0	
PART NAME Bushing	FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS 1.14	
PUBLISHED BY OHO e.V.			DOC. TYPE Part	MATERIAL Steel A36	QUANTITY 2
			LICENCE CC-BY-SA 4.0	SCALE 3:1	SHEET 21 /70

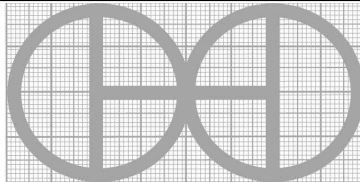


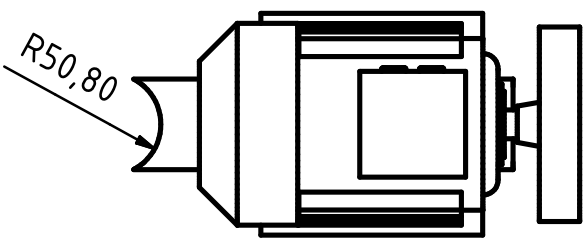
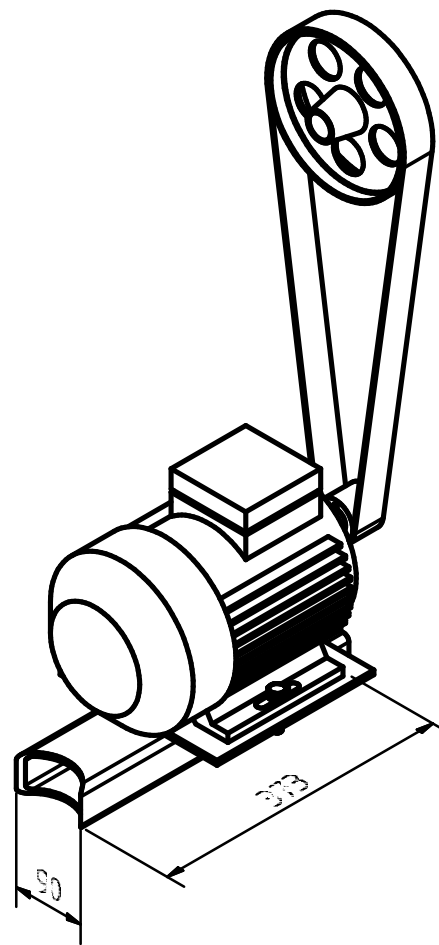
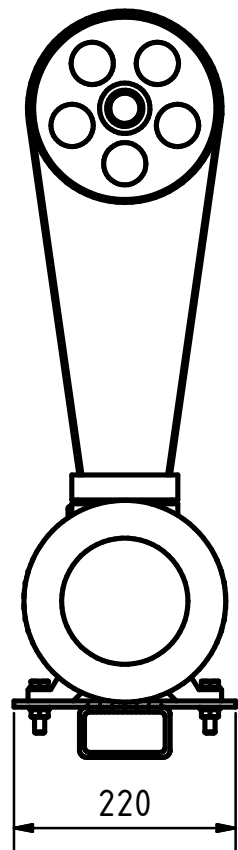
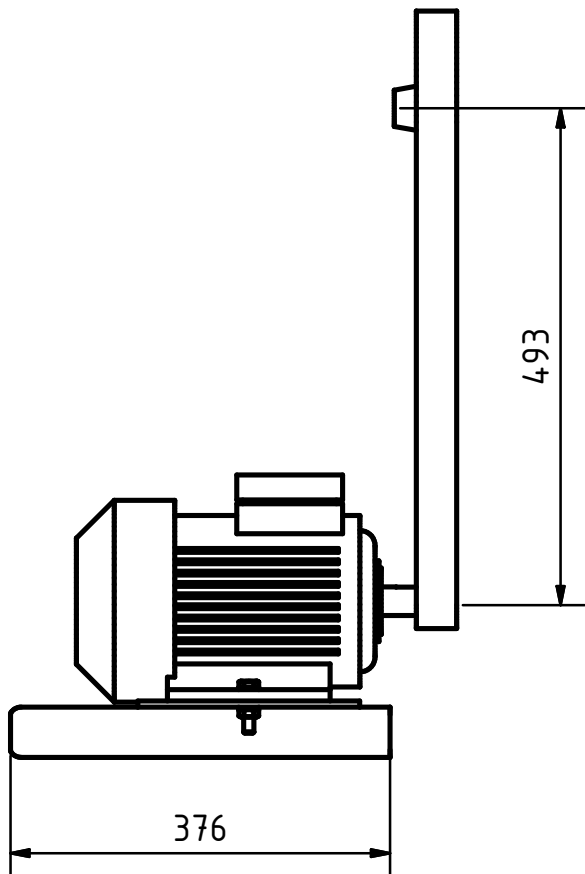
PROJECT Heavy duty drill press made from auto parts	CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0	
PART NAME Gear shaft	FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS 1.15	
PUBLISHED BY OHO e.V.			DOC. TYPE Part	MATERIAL Steel bar A36	QUANTITY 1
			LICENCE CC-BY-SA 4.0	SCALE 1:1.5	SHEET 22 /70

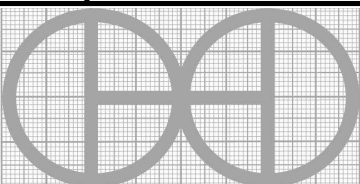


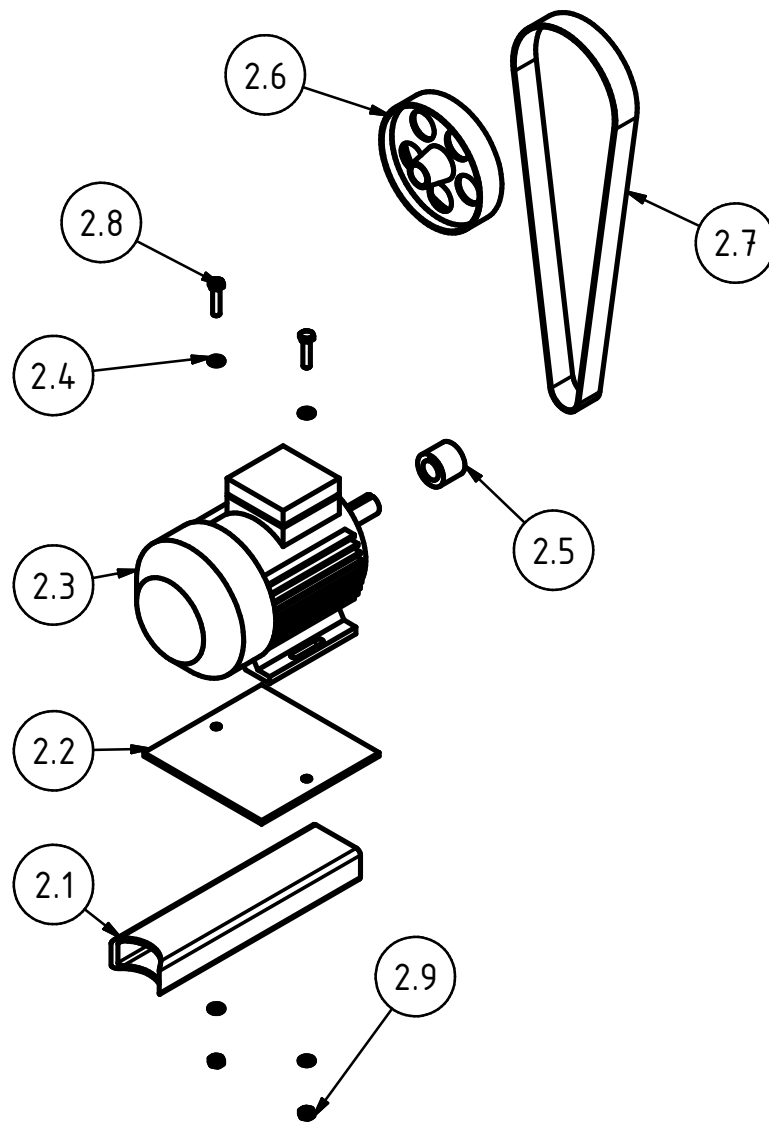
PROJECT Heavy duty drill press made from auto parts	CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0
PART NAME Zipper base 1	FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS 1.19
PUBLISHED BY OHO e.V.		DOC. TYPE Part	MATERIAL Steel plate C45	QUANTITY 2
		LICENCE CC-BY-SA 4.0	SCALE 1:1	SHEET 23 /70

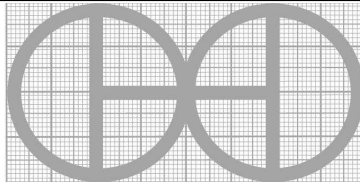


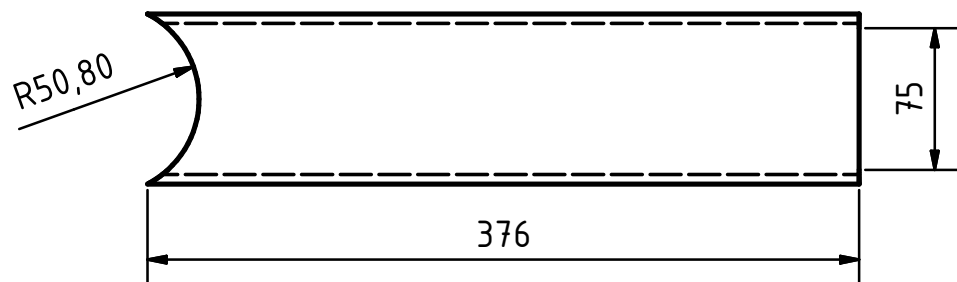
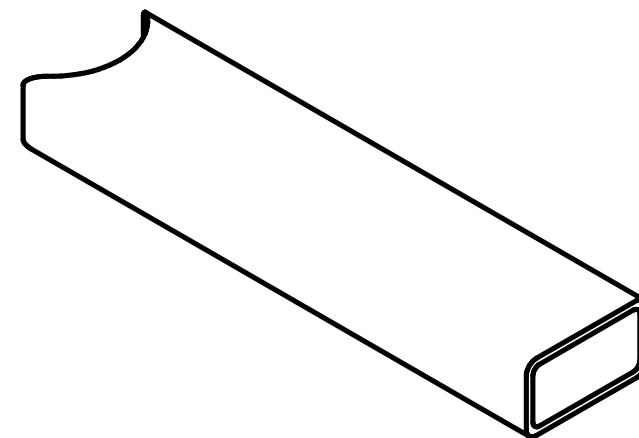
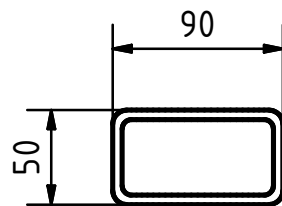
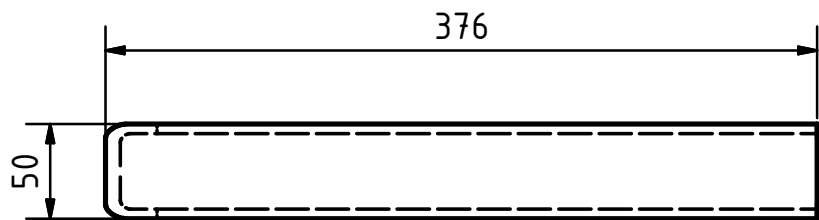
PROJECT Heavy duty drill press made from auto parts	CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0	
PART NAME Zipper base 2	FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS 1.20	
PUBLISHED BY OHO e.V.			DOC. TYPE Part	MATERIAL Steel plate C45	QUANTITY 2
			LICENCE CC-BY-SA 4.0	SCALE 1:1	SHEET 24 /70

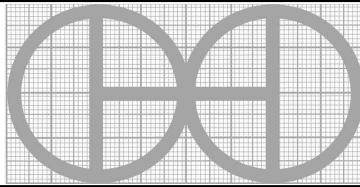


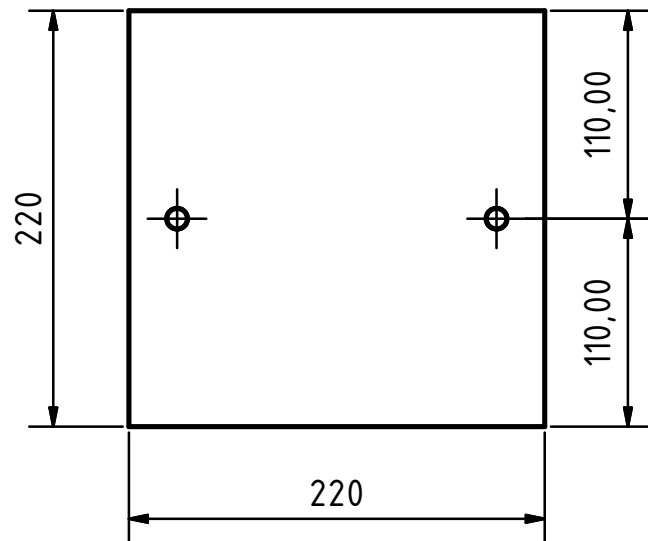
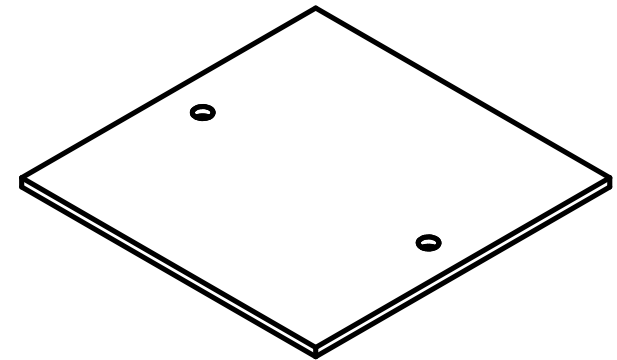
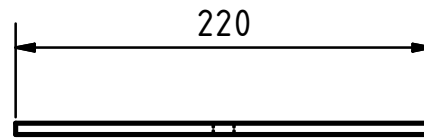
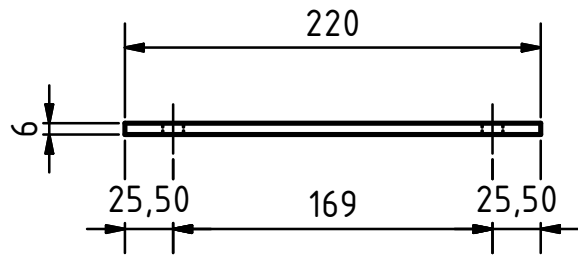
PROJECT Heavy duty drill press made from auto parts	CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0
PART NAME Motor Base	FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS 2.0
PUBLISHED BY OHO e.V.		DOC. TYPE Assamby	MATERIAL	QUANTITY
		LICENCE CC-BY-SA 4.0	SCALE 1:7.5	SHEET 25 /70

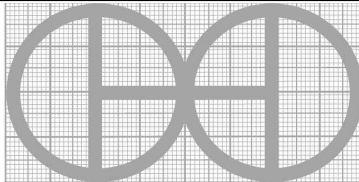


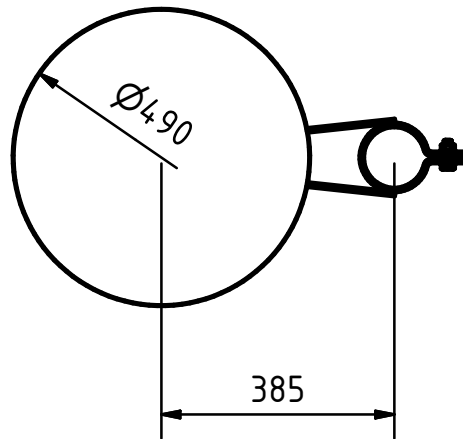
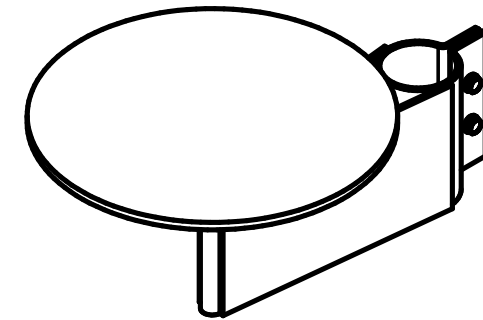
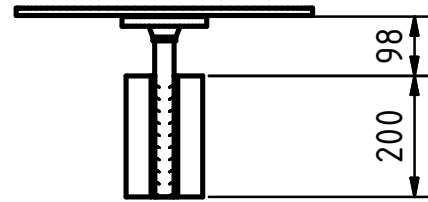
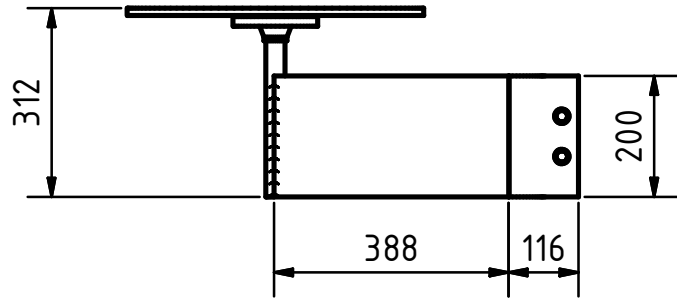
PROJECT Heavy duty drill press made from auto parts	CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0	
PART NAME Motor Base	FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS 2.0	
PUBLISHED BY OHO e.V.			DOC. TYPE Assambly	MATERIAL	QUANTITY
			LICENCE CC-BY-SA 4.0	SCALE 1:10	SHEET 26 /70

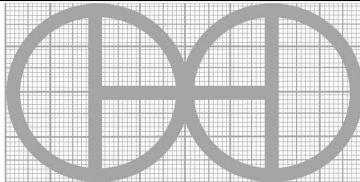


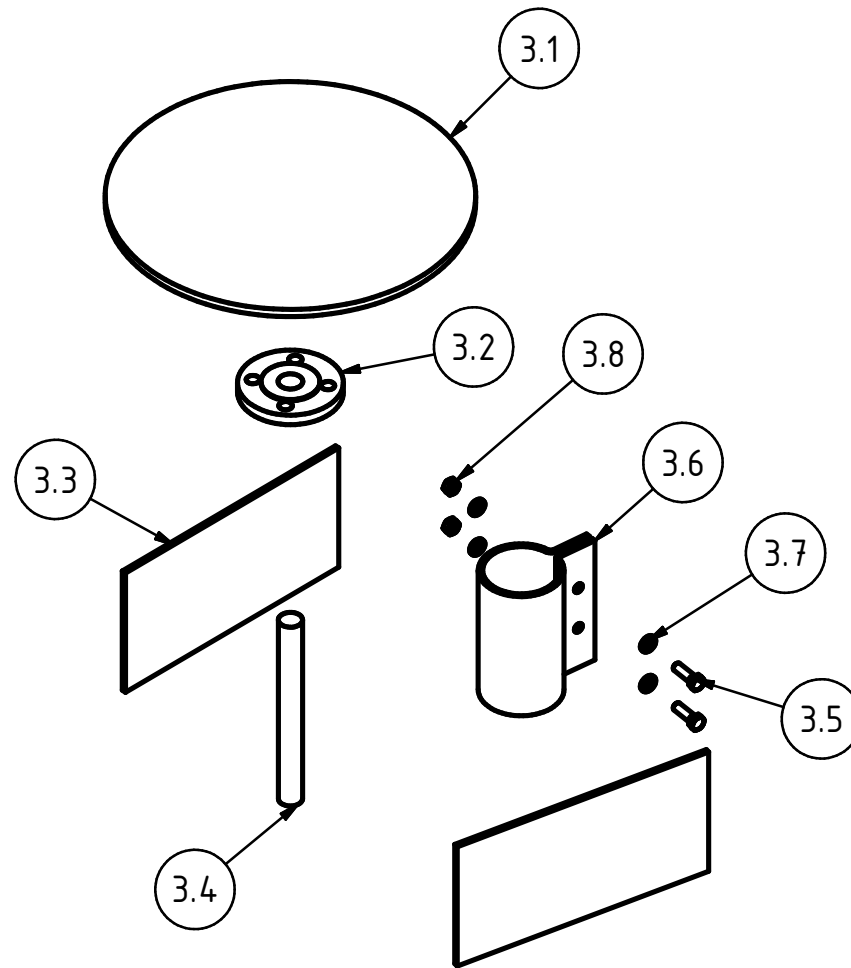
PROJECT Heavy duty drill press made from auto parts	CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0	
PART NAME Motor support	FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS 2.1	
PUBLISHED BY OHO e.V.			DOC. TYPE Part	MATERIAL Steel tube A36	QUANTITY 1
			LICENCE CC-BY-SA 4.0	SCALE 1:4	SHEET 27 /70

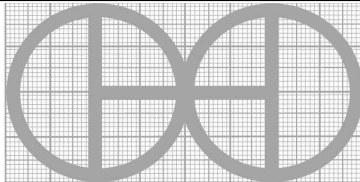


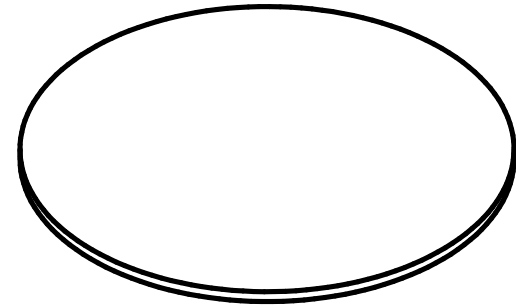
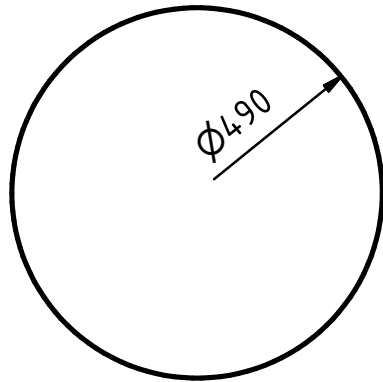
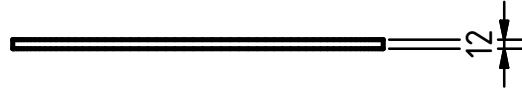
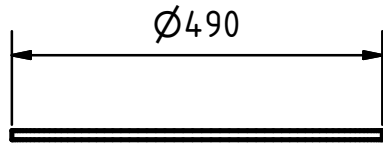
PROJECT Heavy duty drill press made from auto parts	CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0
PART NAME Motor base	FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS 2.2
PUBLISHED BY OHO e.V.		DOC. TYPE Part	MATERIAL Steel plate C45	QUANTITY 1
		LICENCE CC-BY-SA 4.0	SCALE	SHEET 28 /70

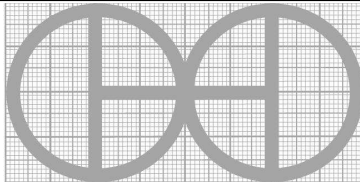


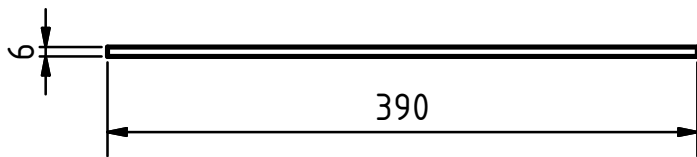
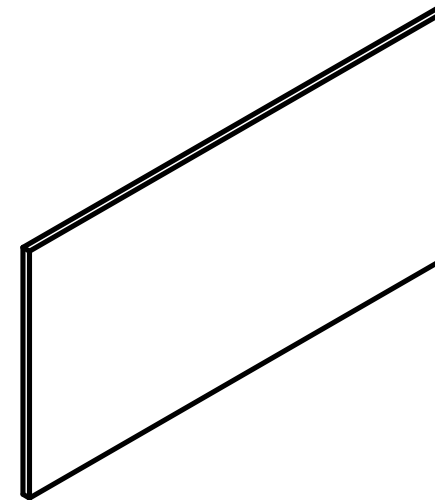
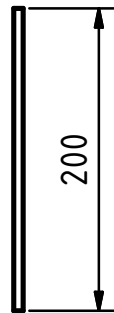
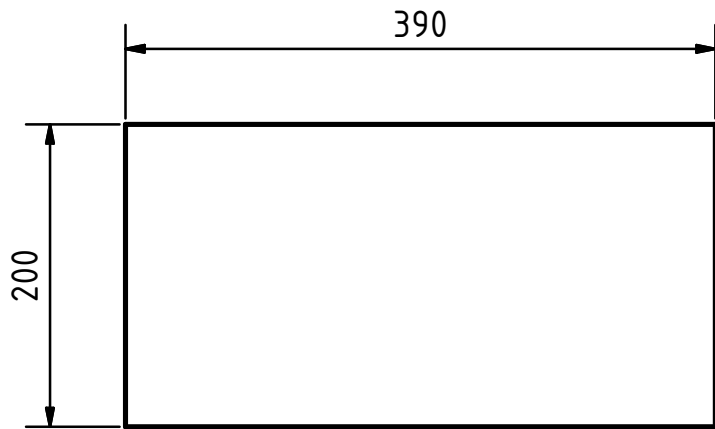
PROJECT Heavy duty drill press made from auto parts	CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0
PART NAME Plate system	FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS 3.0
PUBLISHED BY 	DOC. TYPE Assambly	MATERIAL		QUANTITY
	LICENCE CC-BY-SA 4.0	SCALE 1:12.5	SHEET 29 /70	
OHO e.V.				

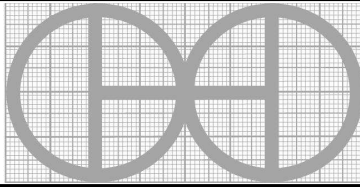


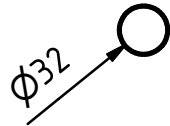
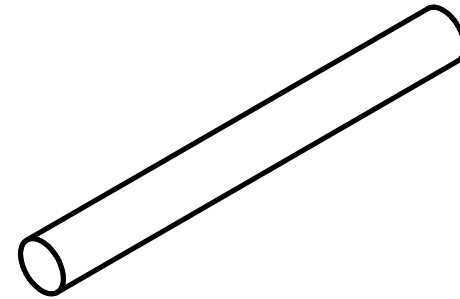
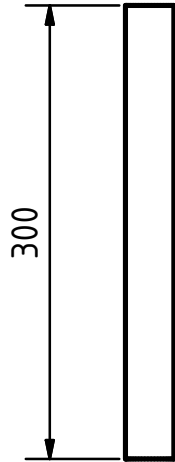
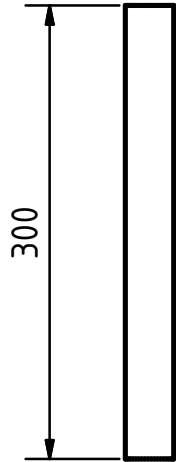
PROJECT Heavy duty drill press made from auto parts	CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0	
PART NAME Plate system	FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS 3.0	
PUBLISHED BY OHO e.V.			DOC. TYPE Assambly	MATERIAL	QUANTITY
			LICENCE CC-BY-SA 4.0	SCALE 1:10	SHEET 30 /70

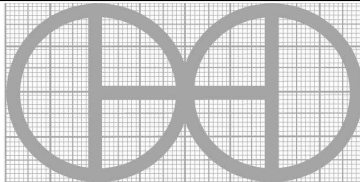


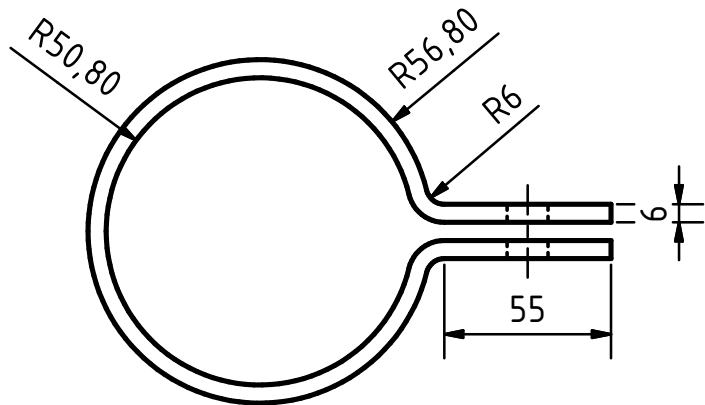
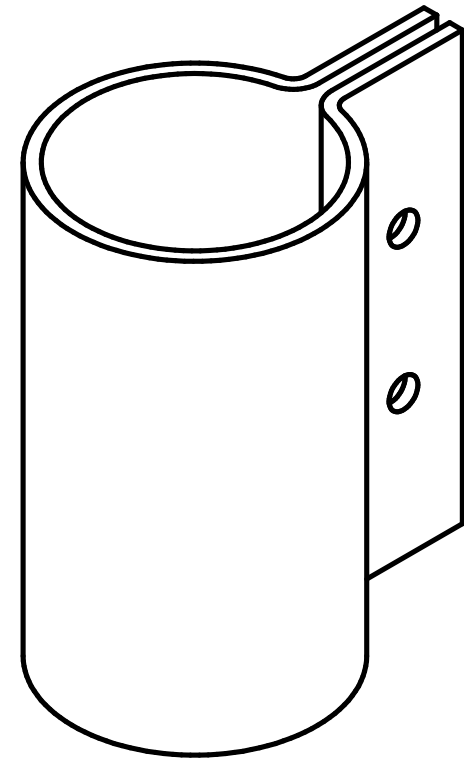
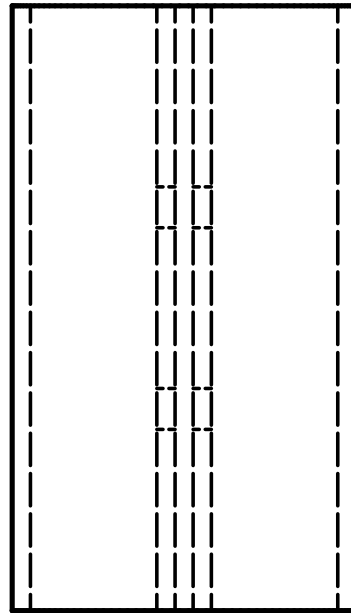
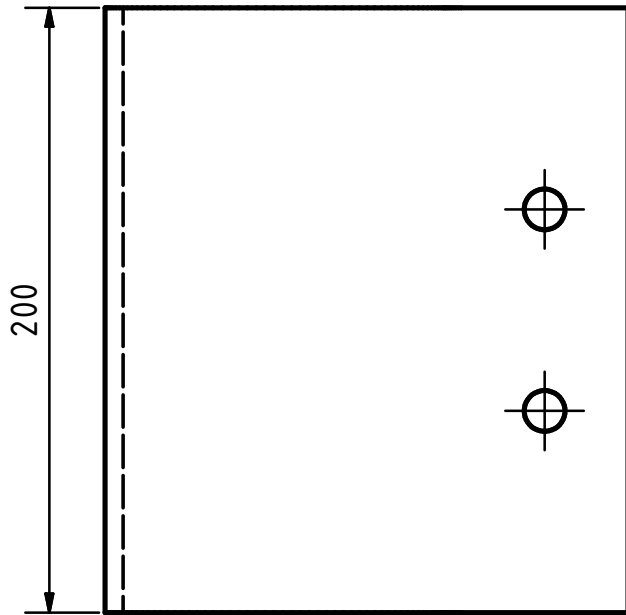
PROJECT Heavy duty drill press made from auto parts	CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0	
PART NAME Plate	FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS 3.1	
PUBLISHED BY OHO e.V.			DOC. TYPE Part	MATERIAL Steel plate C45	QUANTITY 1
			LICENCE CC-BY-SA 4.0	SCALE 1:10	SHEET 31 /70

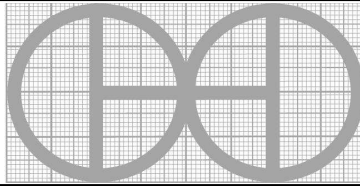


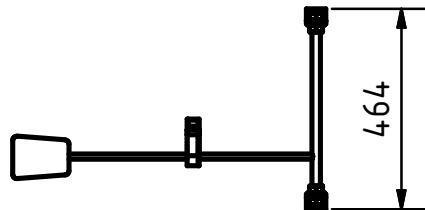
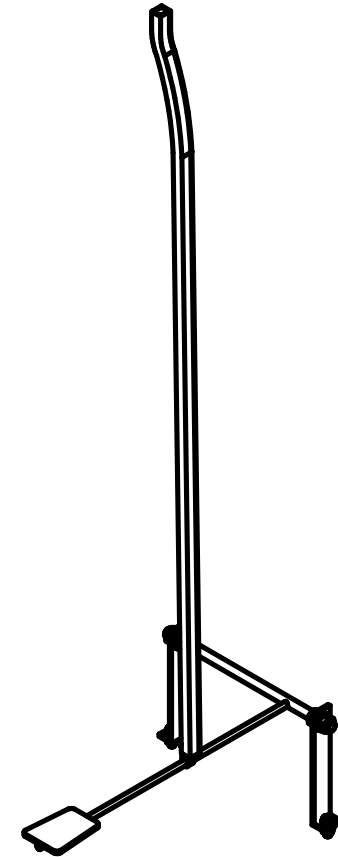
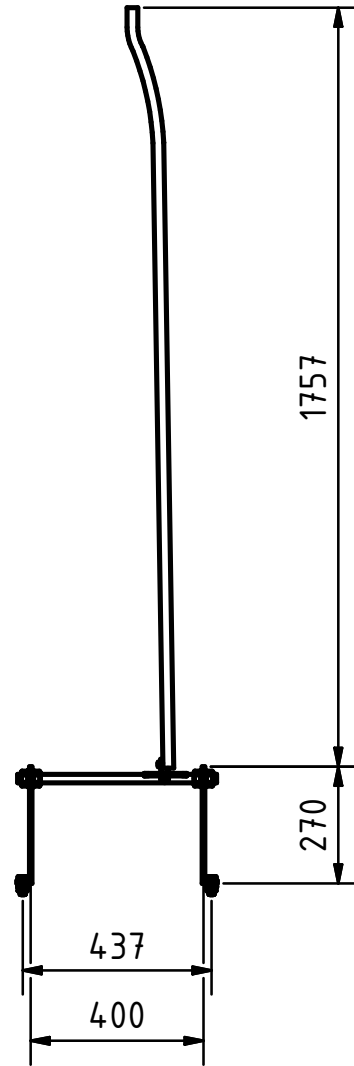
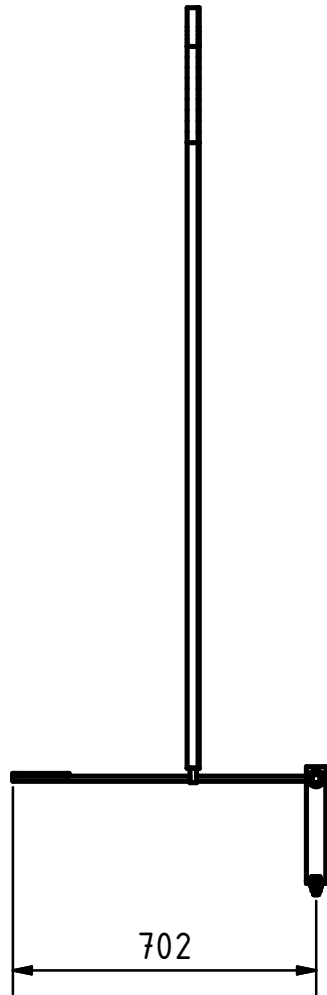
PROJECT Heavy duty drill press made from auto parts	CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0	
PART NAME Pivot support 1	FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS 3.3	
PUBLISHED BY OHO e.V.			DOC. TYPE Part	MATERIAL Steel plate C45	QUANTITY 2
			LICENCE CC-BY-SA 4.0		SCALE 1:5

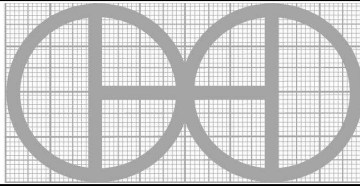


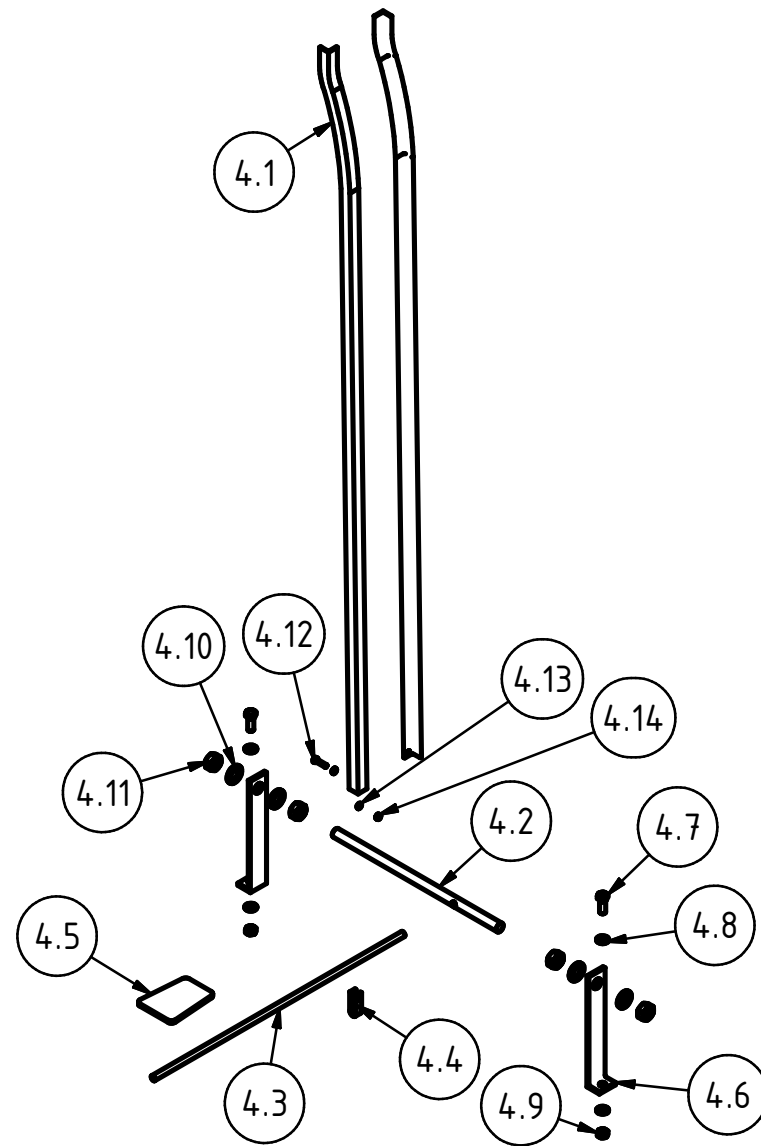
PROJECT Heavy duty drill press made from auto parts	CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0	
PART NAME Pivot plate	FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS 3.4	
PUBLISHED BY OHO e.V.			DOC. TYPE Part	MATERIAL Steel bar A36	QUANTITY 1
			LICENCE CC-BY-SA 4.0	SCALE 1:5	SHEET 33 /70

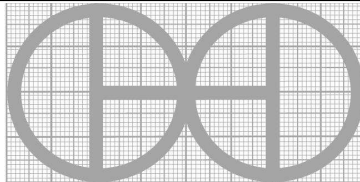


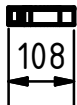
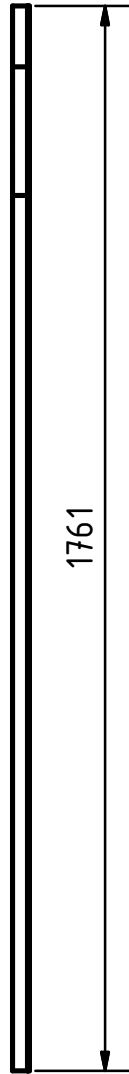
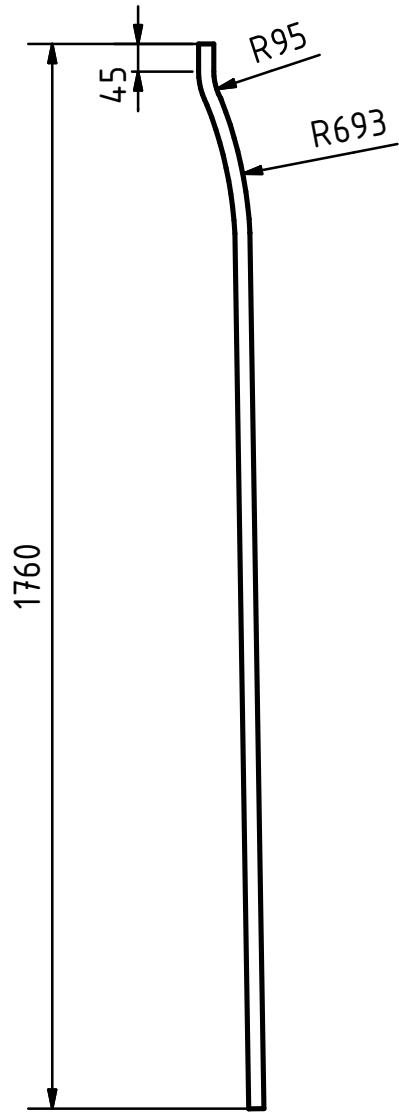
PROJECT Heavy duty drill press made from auto parts	CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0	
PART NAME Plate support	FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS 3.6	
PUBLISHED BY OHO e.V.			DOC. TYPE Part	MATERIAL Sheet metal C45	QUANTITY 1
			LICENCE CC-BY-SA 4.0	SCALE 1:2.5	SHEET 34 /70

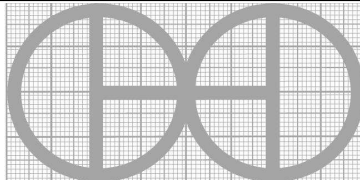


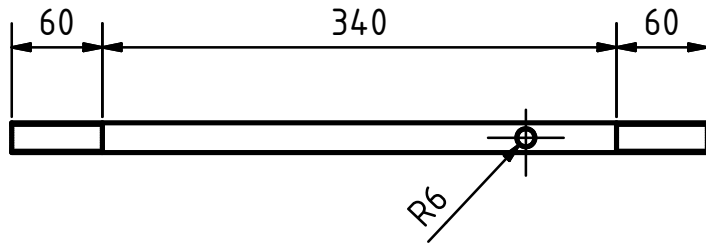
PROJECT Heavy duty drill press made from auto parts	CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0	
PART NAME Pedal system	FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS 4.0	
PUBLISHED BY OHO e.V.			DOC. TYPE Assamby	MATERIAL	QUANTITY
			LICENCE CC-BY-SA 4.0	SCALE 1:17.5	SHEET 35 /70



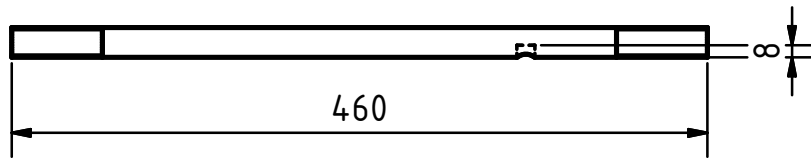
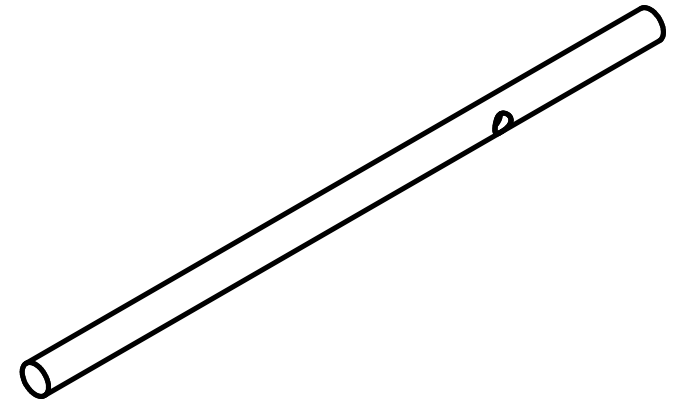
PROJECT Heavy duty drill press made from auto parts	CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0
PART NAME Pedal system	FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS 4.0
PUBLISHED BY OHO e.V.			DOC. TYPE Assembly	MATERIAL
			LICENCE CC-BY-SA 4.0	SCALE 1:15

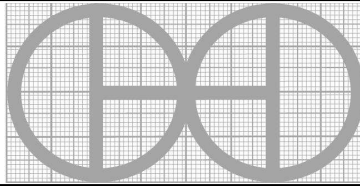


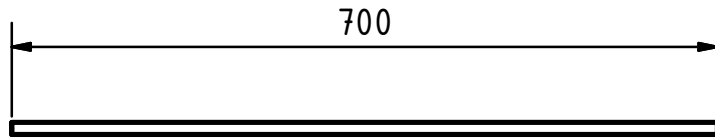
PROJECT Heavy duty drill press made from auto parts	CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0	
PART NAME Angle support	FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS 4.1	
PUBLISHED BY OHO e.V.			DOC. TYPE Part	MATERIAL Steel A36	QUANTITY 2
			LICENCE CC-BY-SA 4.0	SCALE 1:12.5	SHEET 37 /70



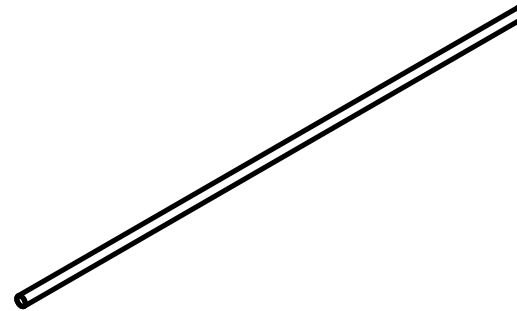
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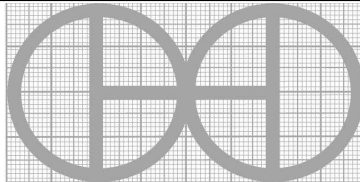


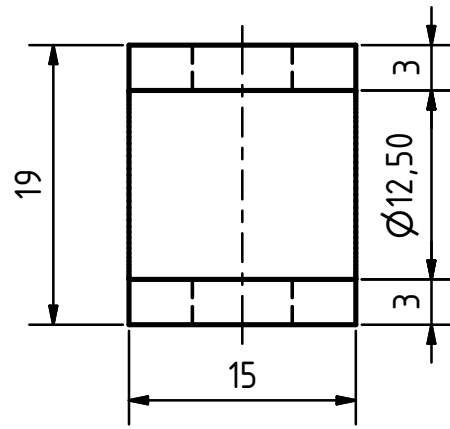
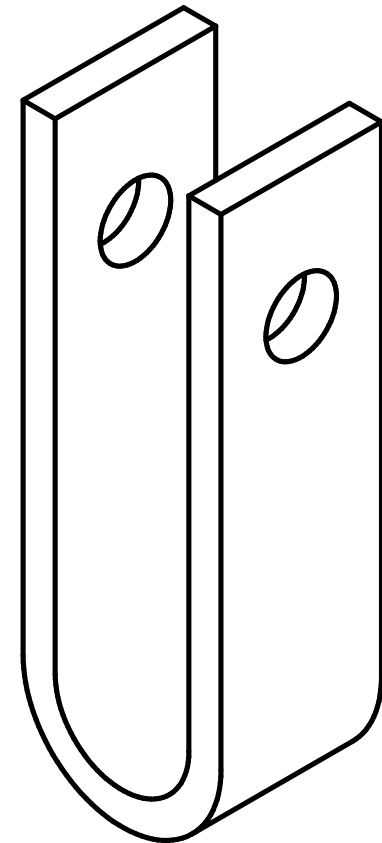
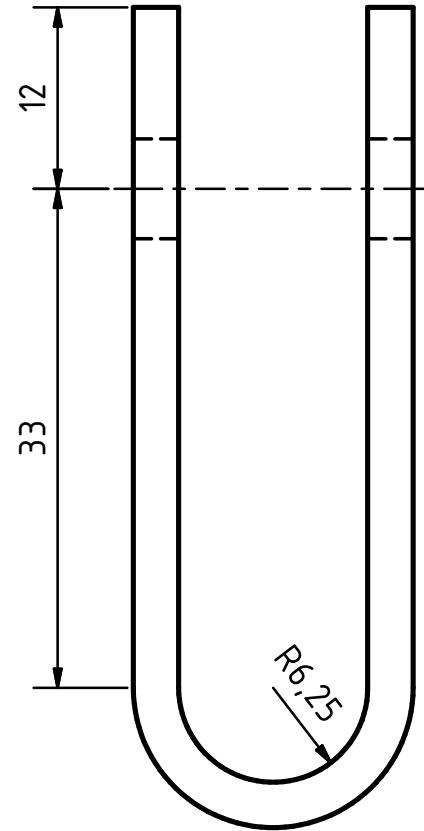
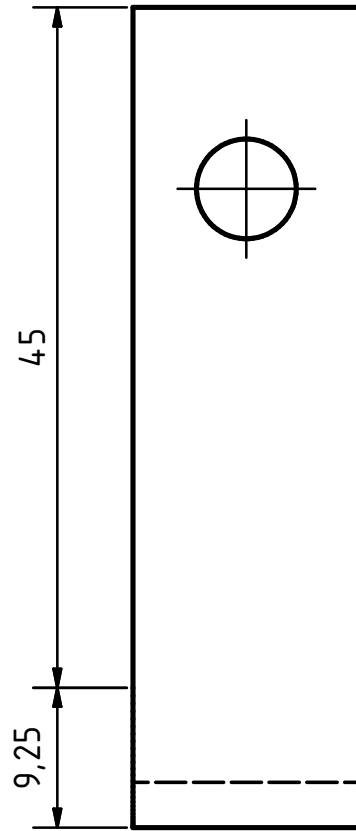
PROJECT Heavy duty drill press made from auto parts	CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0
PART NAME Pedal shaft	FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS 4.2
PUBLISHED BY OHO e.V.		DOC. TYPE Part	MATERIAL Steel bar A36	QUANTITY 1
		LICENCE CC-BY-SA 4.0	SCALE 1:5	SHEET 38 /70

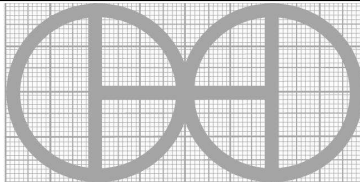


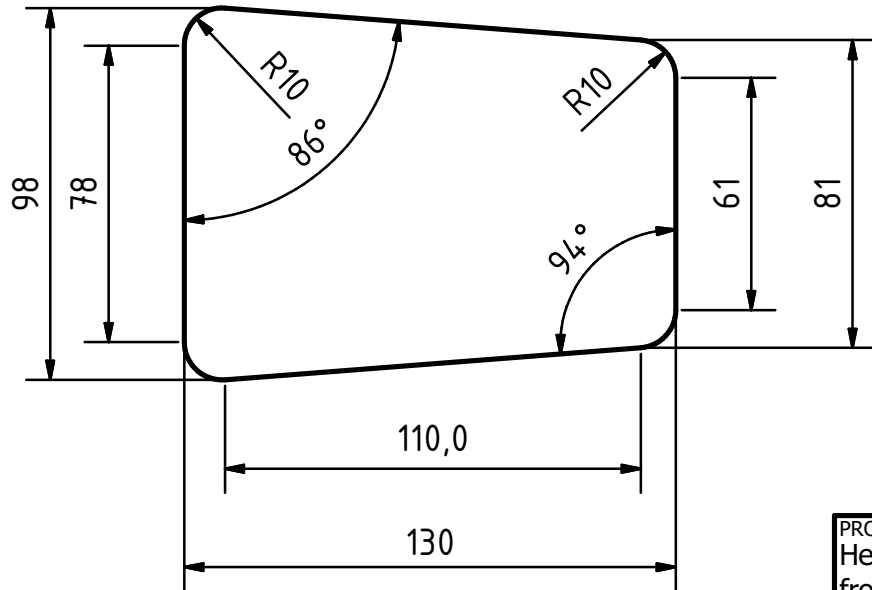
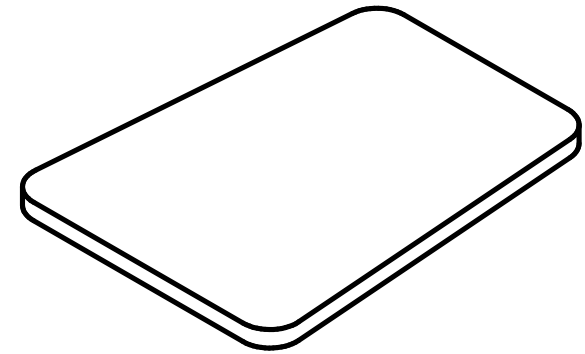
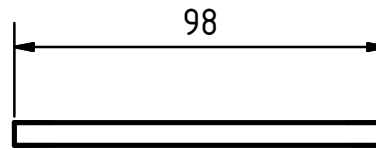
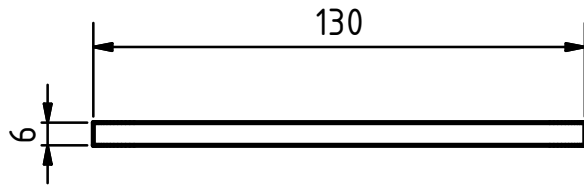
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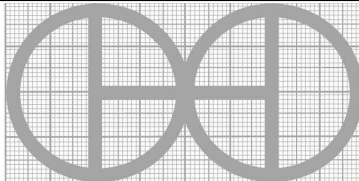


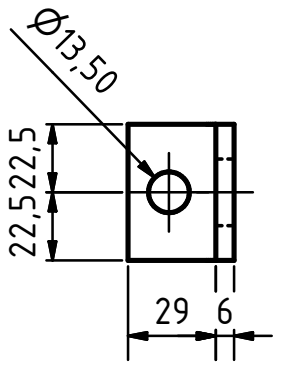
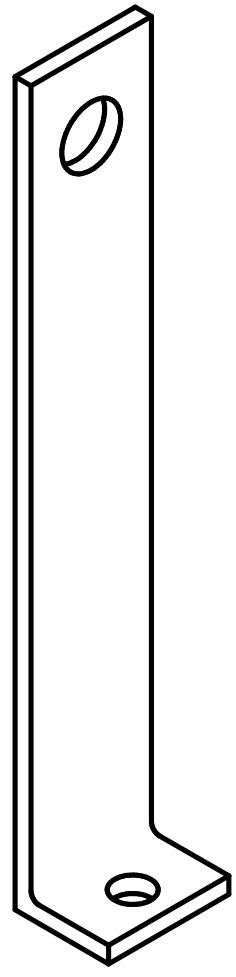
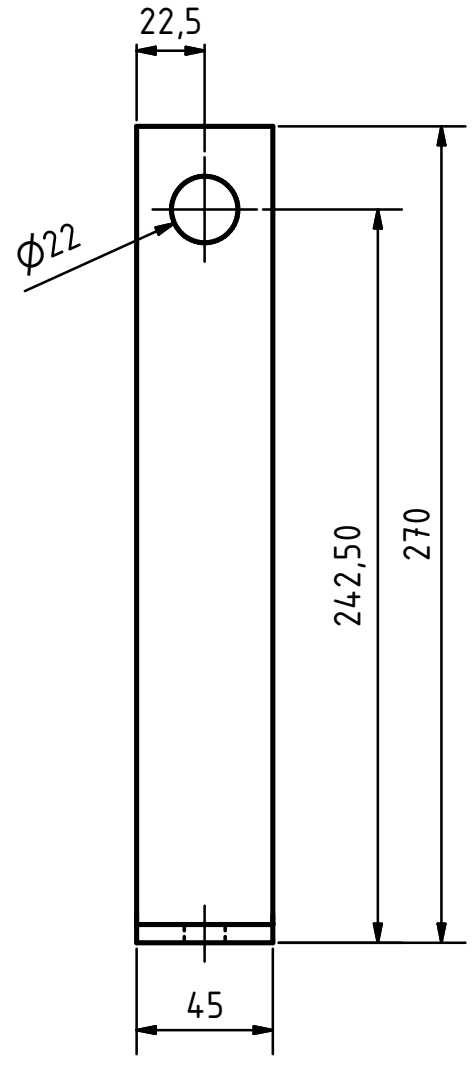
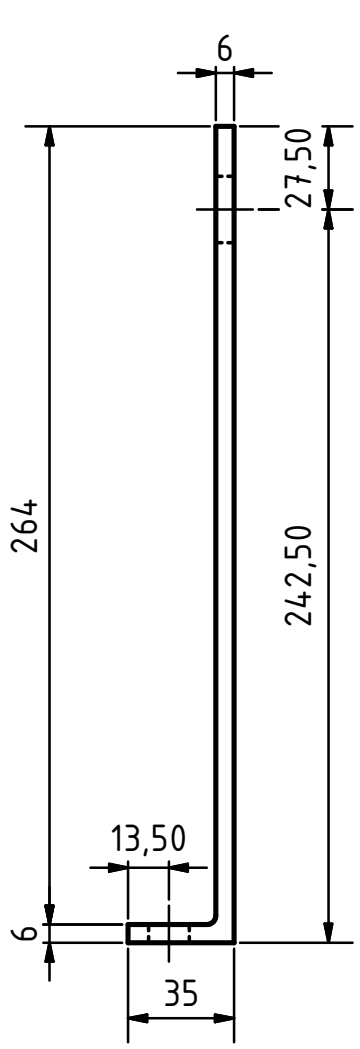
PROJECT Heavy duty drill press made from auto parts	CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0
PART NAME Pedal bar	FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS 4.3
PUBLISHED BY 	DOC. TYPE Part	MATERIAL Steel bar A36		QUANTITY 1
	LICENCE CC-BY-SA 4.0	SCALE 1:7.5	SHEET 39 /70	
OHO e.V.				



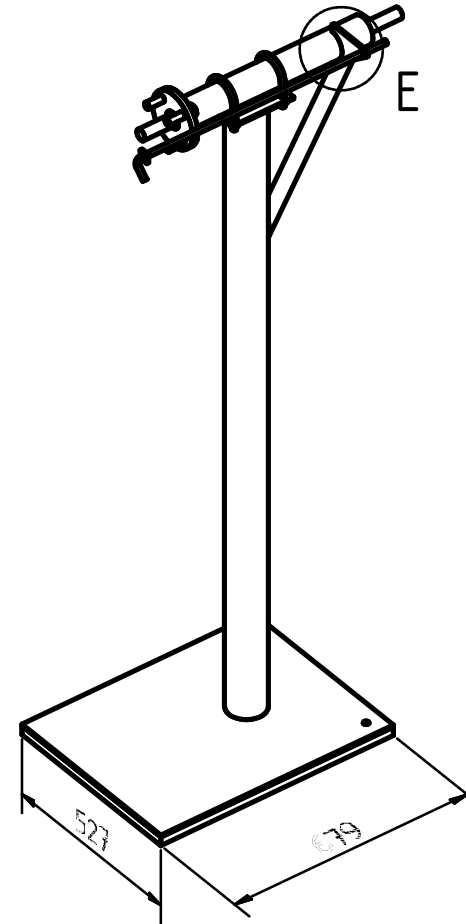
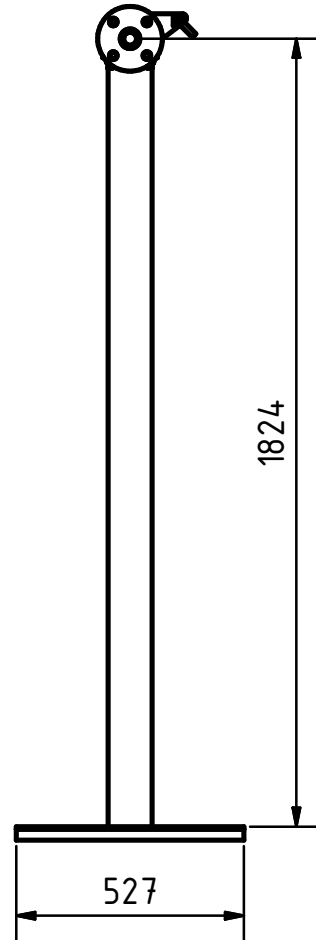
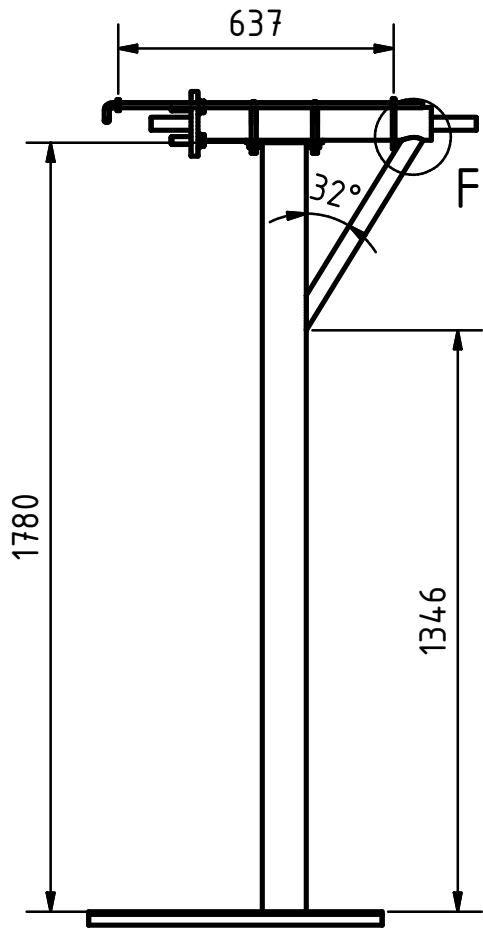
PROJECT Heavy duty drill press made from auto parts	CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0	
PART NAME Pedal bar support	FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS 4.4	
PUBLISHED BY OHO e.V.			DOC. TYPE Part	MATERIAL Steel plate C45	QUANTITY 1
			LICENCE CC-BY-SA 4.0	SCALE 2:1	SHEET 40 /70



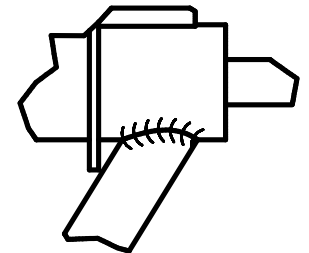
PROJECT Heavy duty drill press made from auto parts	CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0
PART NAME Pedal	FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS 4.5
PUBLISHED BY OHO e.V.		DOC. TYPE Part	MATERIAL Steel plate C45	QUANTITY 1
		LICENCE CC-BY-SA 4.0	SCALE 1:2	SHEET 41 /70



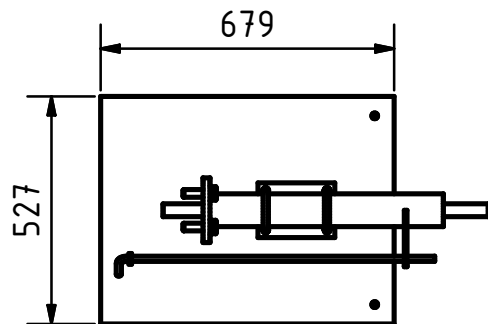
PROJECT Heavy duty drill press made from auto parts		CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0
PART NAME Axle support		FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS 4.6
PUBLISHED BY OHO e.V.			DOC. TYPE Part	MATERIAL Steel plate C45	QUANTITY 2
			LICENCE CC-BY-SA 4.0	SCALE 1:2.5	SHEET 42 /70

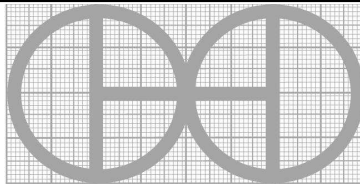


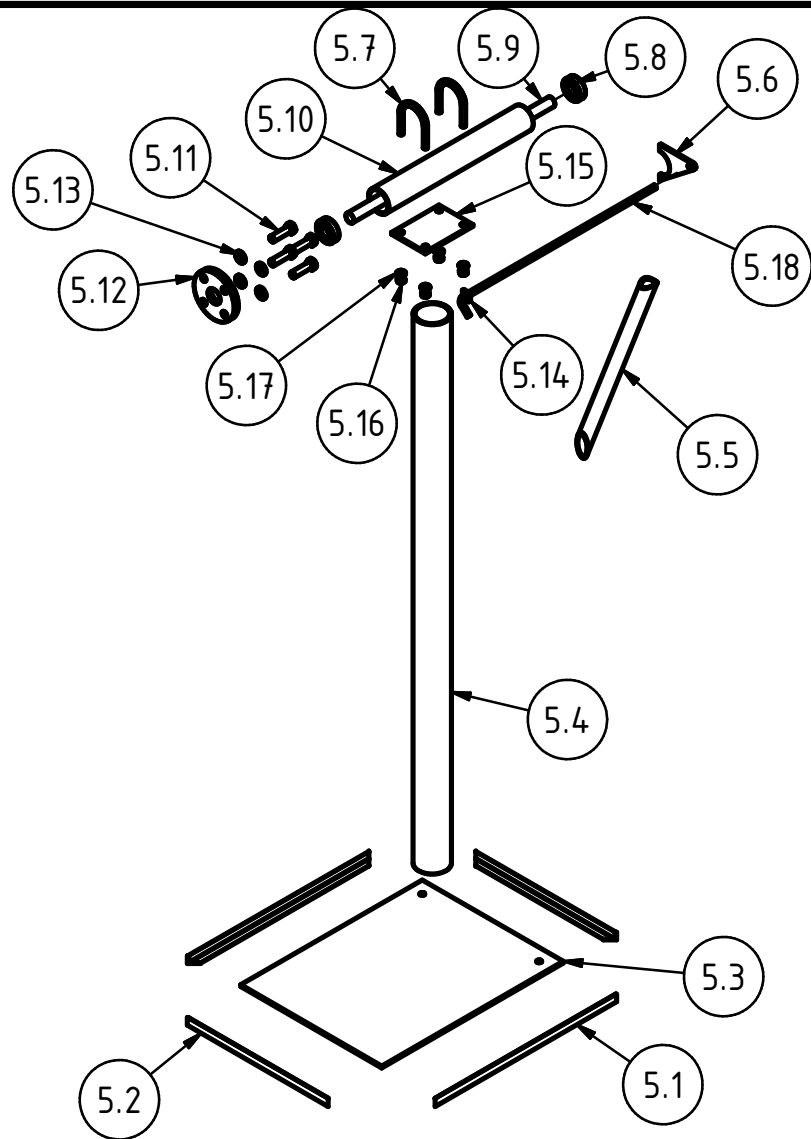
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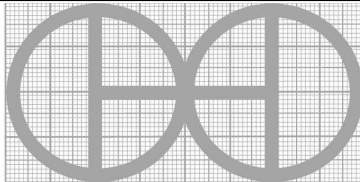


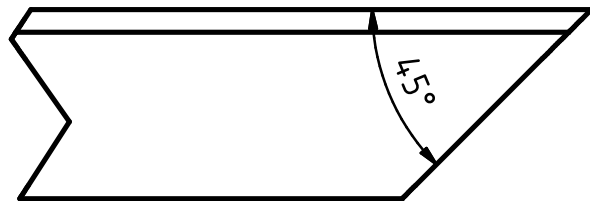
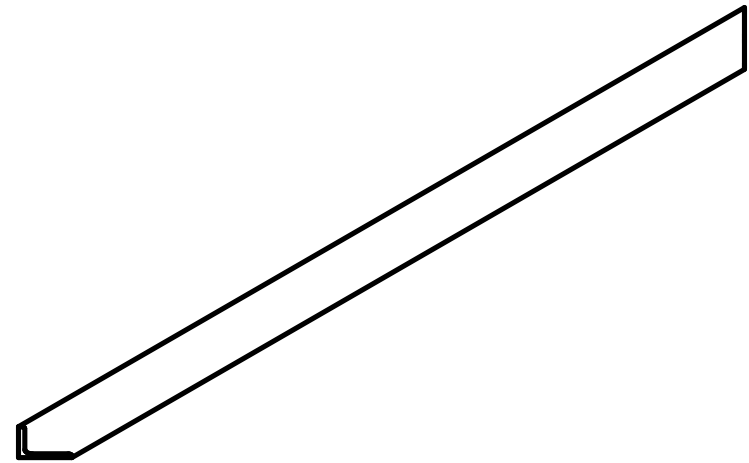
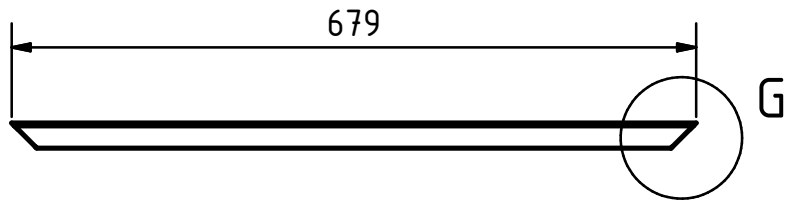
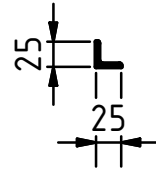
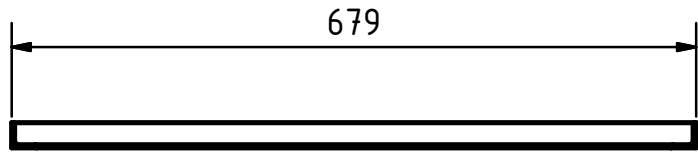
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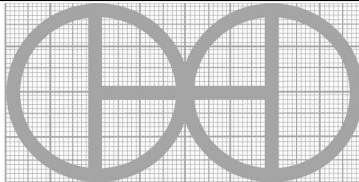
PROJECT Heavy duty drill press made from auto parts		CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0
PART NAME Base drill		FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS 5.0
PUBLISHED BY OHO e.V.				DOC. TYPE Assembly	QUANTITY
				LICENCE CC-BY-SA 4.0	SCALE 1:17.5

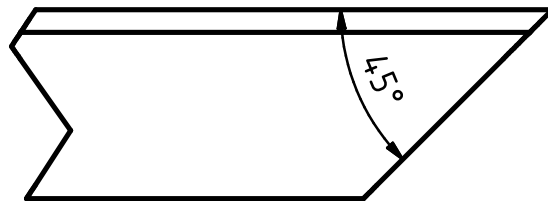
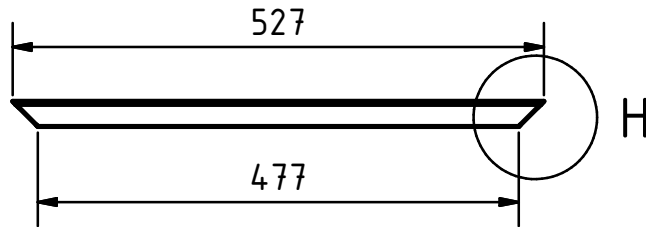
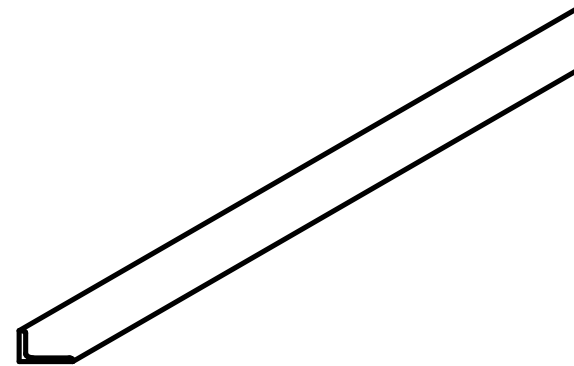
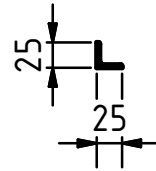
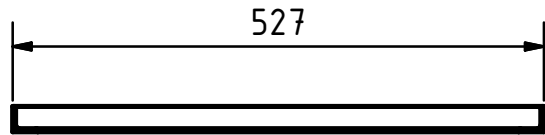


PROJECT Heavy duty drill press made from auto parts	CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0
PART NAME Base drill	FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS 5.0
PUBLISHED BY OHO e.V.		DOC. TYPE Assembly	MATERIAL	QUANTITY
		LICENCE CC-BY-SA 4.0	SCALE 1:20	SHEET 44 /70

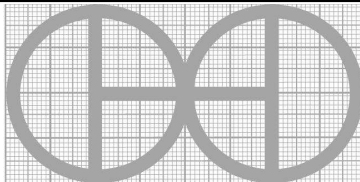


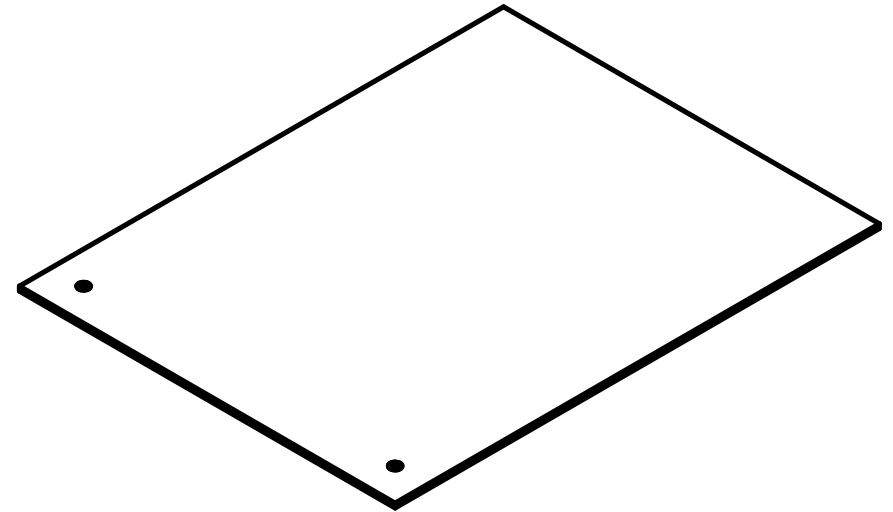
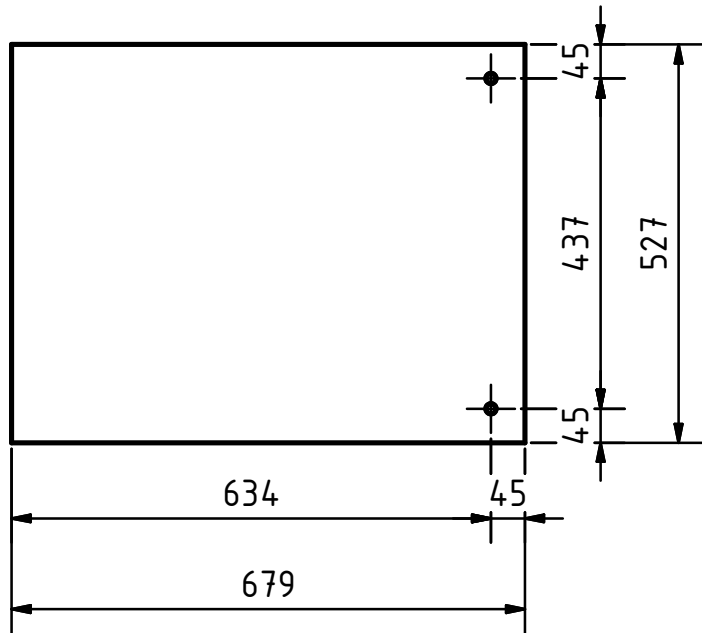
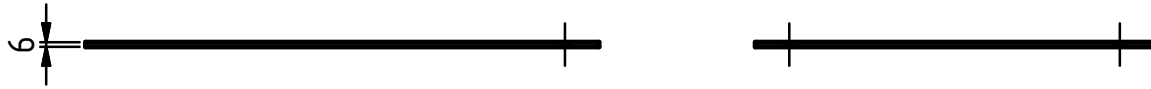
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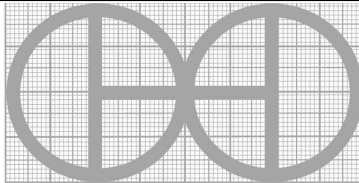
PROJECT Heavy duty drill press made from auto parts	CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0	
PART NAME Base support 1	FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS 5.1	
PUBLISHED BY OHO e.V.			DOC. TYPE Part	MATERIAL Steel A36	QUANTITY 2
			LICENCE CC-BY-SA 4.0	SCALE 1:7.5	SHEET 45 /70

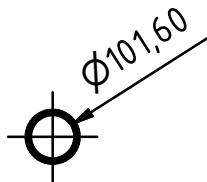
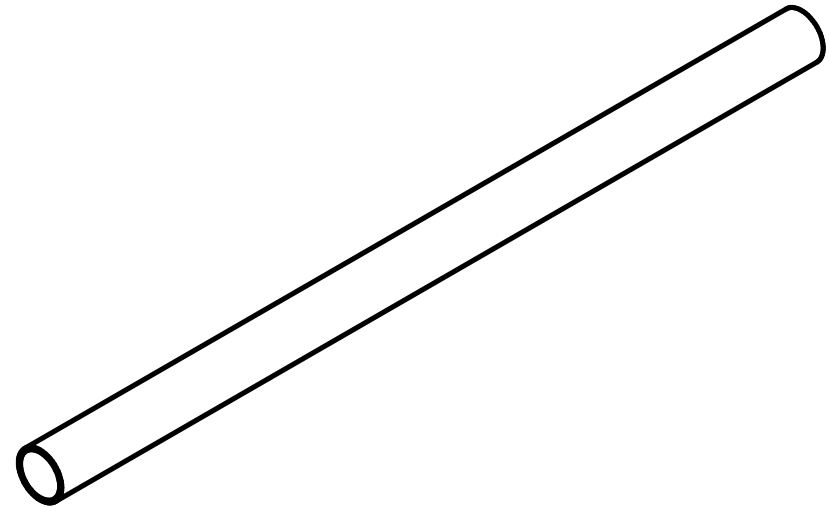


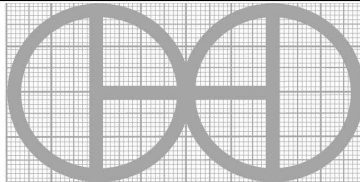
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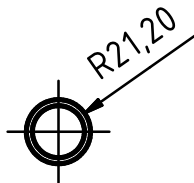
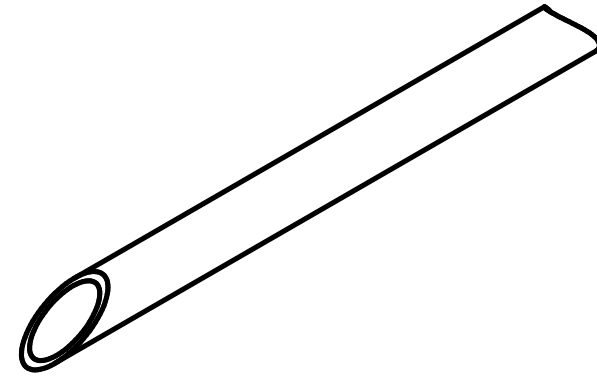
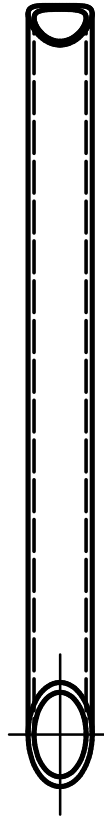
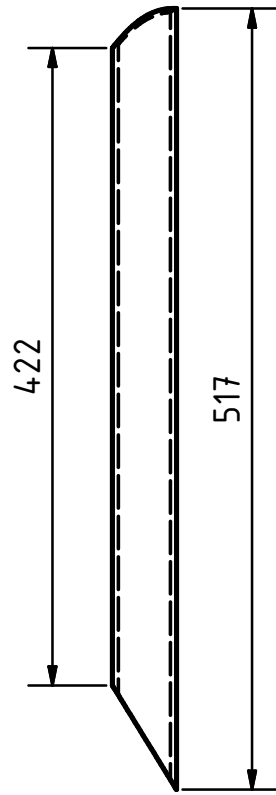
PROJECT Heavy duty drill press made from auto parts	CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0	
PART NAME Base support 2	FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS 5.2	
PUBLISHED BY OHO e.V.			DOC. TYPE Part	MATERIAL Steel A36	QUANTITY 2
			LICENCE CC-BY-SA 4.0	SCALE 1:7.5	SHEET 46 /70

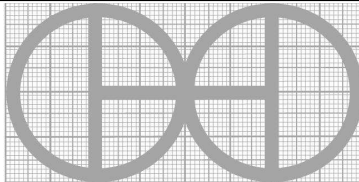


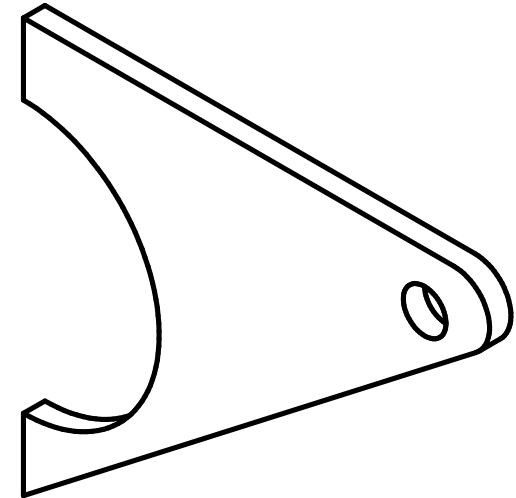
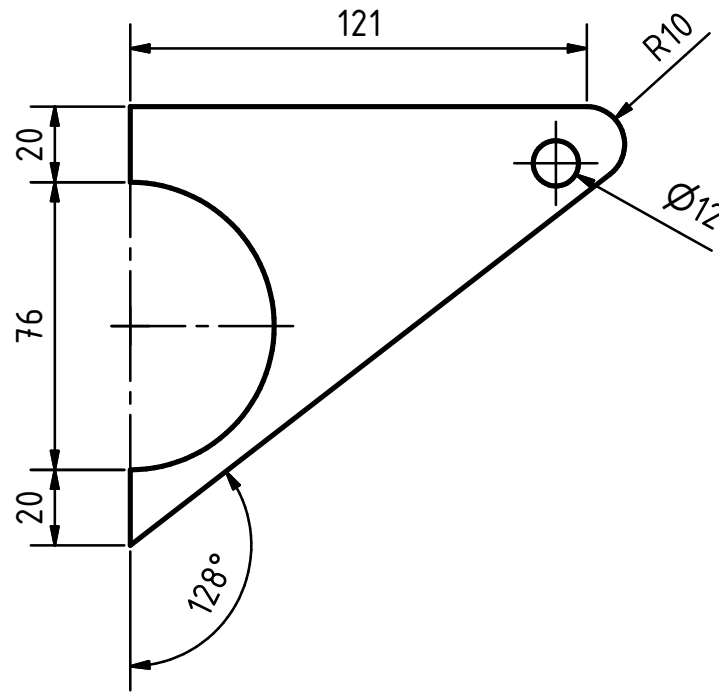
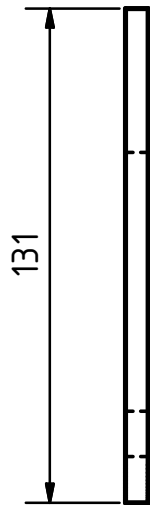
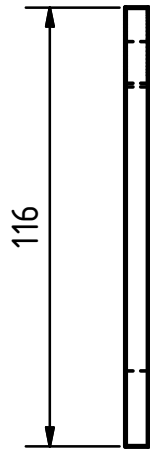
PROJECT Heavy duty drill press made from auto parts	CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0
PART NAME Base Drill	FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS 5.3
PUBLISHED BY OHO e.V.		DOC. TYPE Part	MATERIAL Sheet metal C45	QUANTITY 1
		LICENCE CC-BY-SA 4.0	SCALE 1:10	SHEET 47 /70

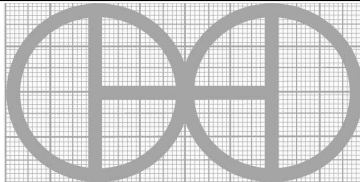


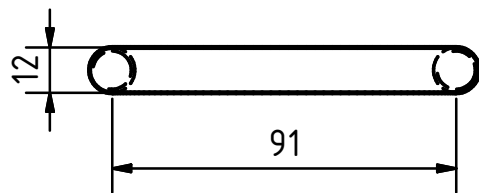
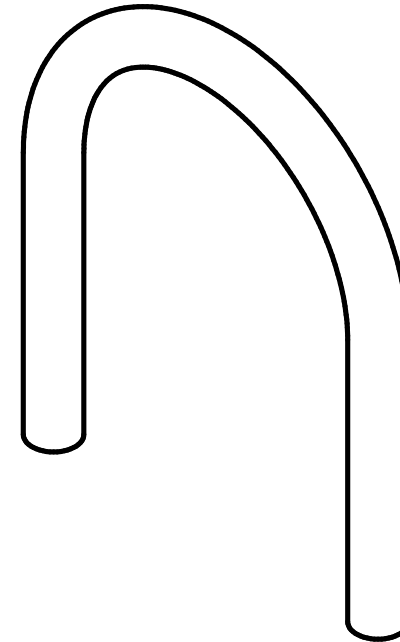
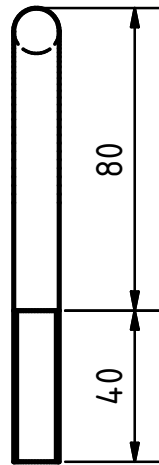
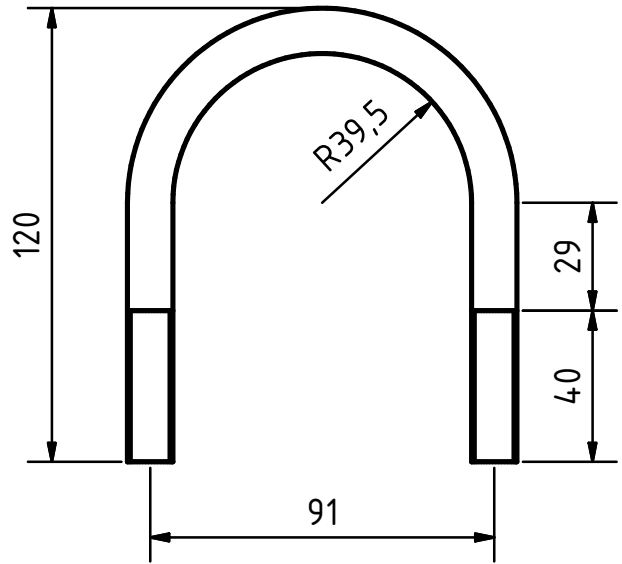
PROJECT Heavy duty drill press made from auto parts	CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0	
PART NAME Support column	FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS 5.4	
PUBLISHED BY OHO e.V.			DOC. TYPE Part	MATERIAL Steel tube A36	QUANTITY 1
			LICENCE CC-BY-SA 4.0	SCALE 1:15	SHEET 48 /70

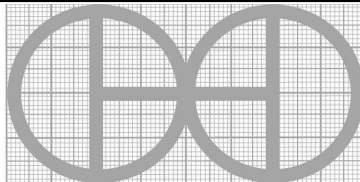


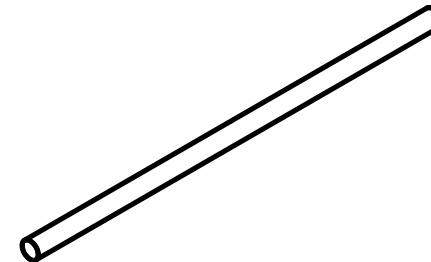
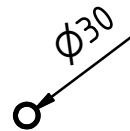
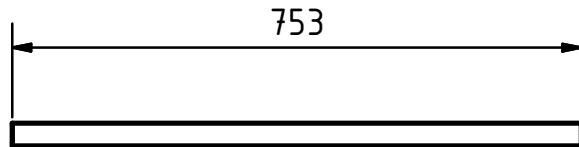
PROJECT Heavy duty drill press made from auto parts	CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0	
PART NAME Top support	FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS 5.5	
PUBLISHED BY OHO e.V.			DOC. TYPE Part	MATERIAL Steel tube A36	QUANTITY 1
			LICENCE CC-BY-SA 4.0	SCALE 1:5	SHEET 49 /70

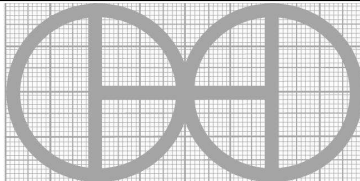


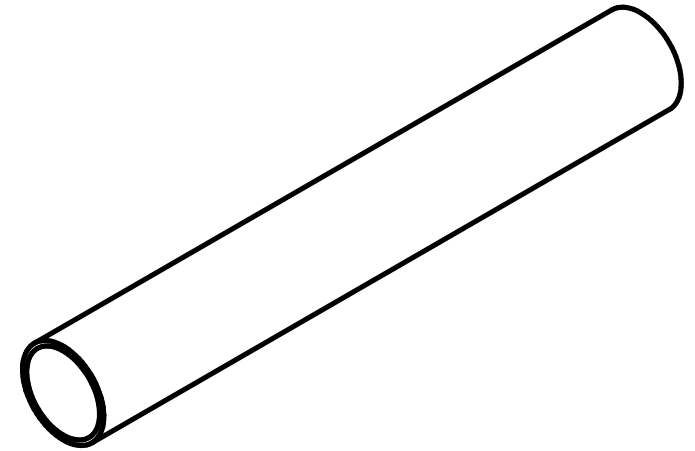
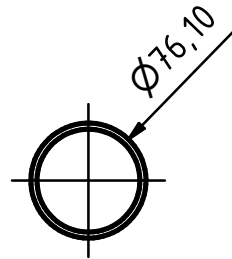
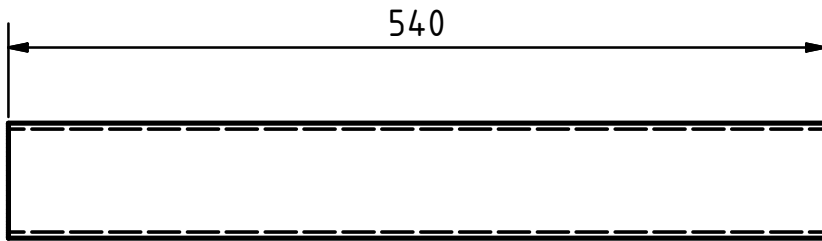
PROJECT Heavy duty drill press made from auto parts	CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0
PART NAME Safe base 1	FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS 5.6
PUBLISHED BY OHO e.V.		DOC. TYPE Part	MATERIAL Steel plate C45	QUANTITY 1
		LICENCE CC-BY-SA 4.0	SCALE 1:2	SHEET 50 /70



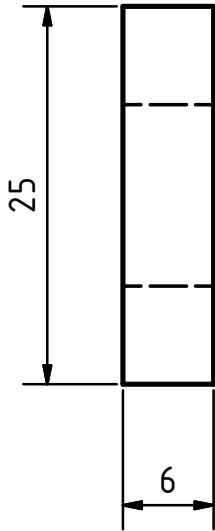
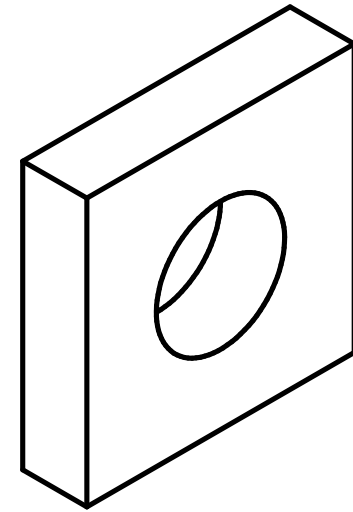
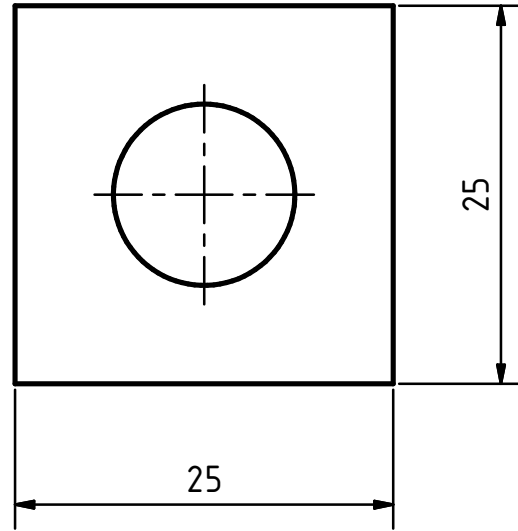
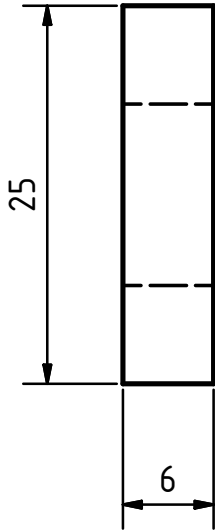
PROJECT Heavy duty drill press made from auto parts	CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0
PART NAME Clamps	FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS 5.7
PUBLISHED BY 	DOC. TYPE Part	MATERIAL Steel bar A36		QUANTITY 2
	LICENCE CC-BY-SA 4.0	SCALE 1:2	SHEET 51 /70	
OHO e.V.				

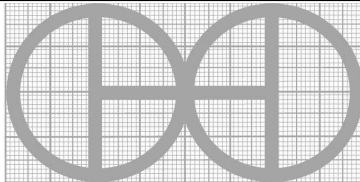


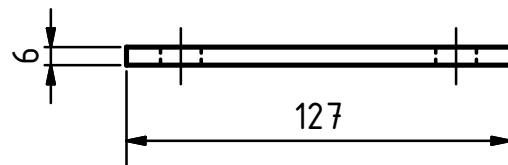
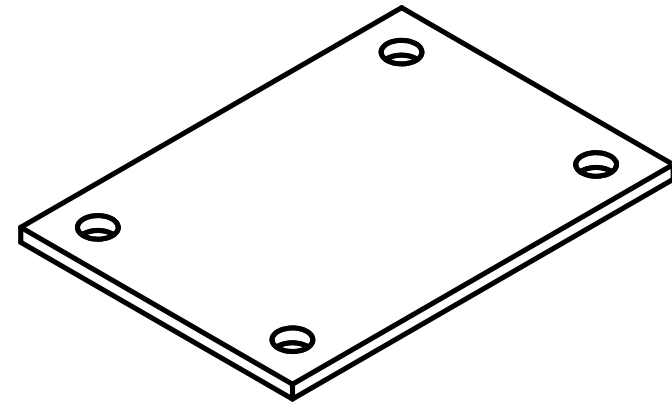
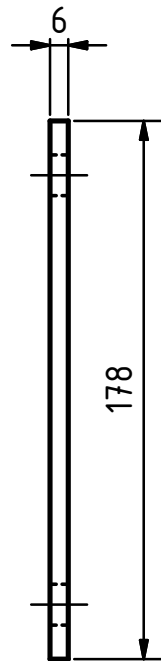
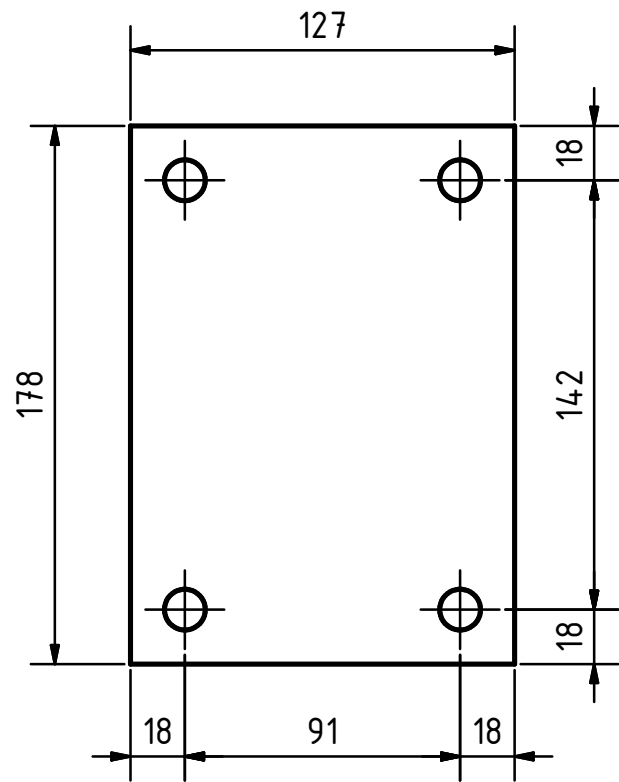
PROJECT Heavy duty drill press made from auto parts	CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0	
PART NAME Central axle	FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS 5.9	
PUBLISHED BY OHO e.V.			DOC. TYPE Part	MATERIAL Steel bar A36	QUANTITY 1
			LICENCE CC-BY-SA 4.0	SCALE 1:10	SHEET 52 /70

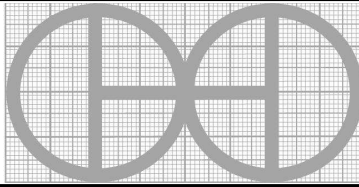


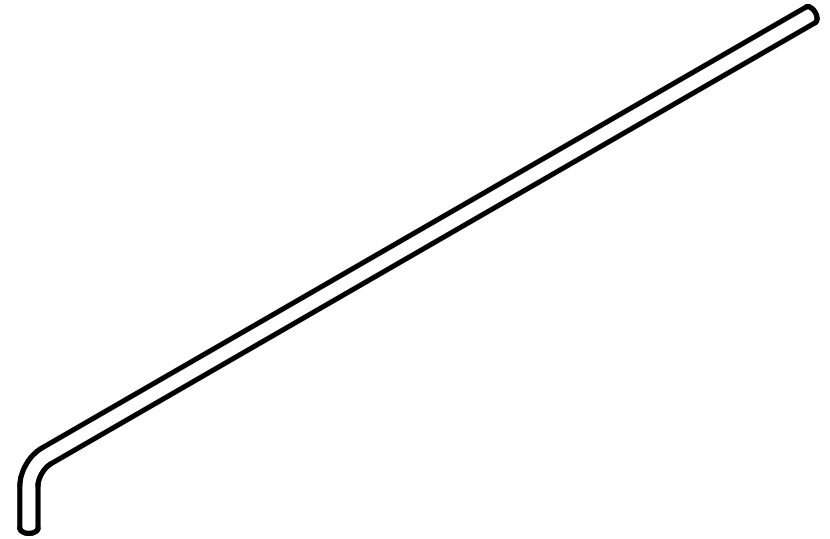
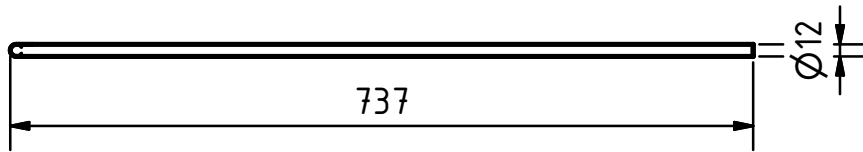
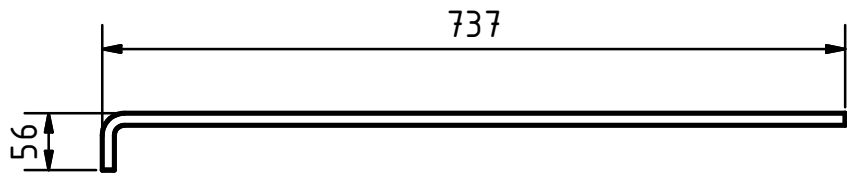
PROJECT Heavy duty drill press made from auto parts	CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0	
PART NAME Axle support	FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS 5.10	
PUBLISHED BY OHO e.V.			DOC. TYPE Part	MATERIAL Steel tube A36	QUANTITY 1
			LICENCE CC-BY-SA 4.0	SCALE 1:5	SHEET 53 /70

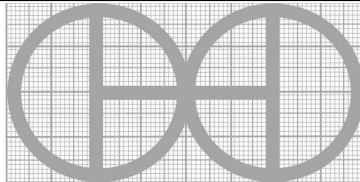


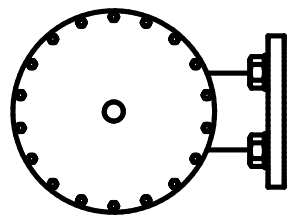
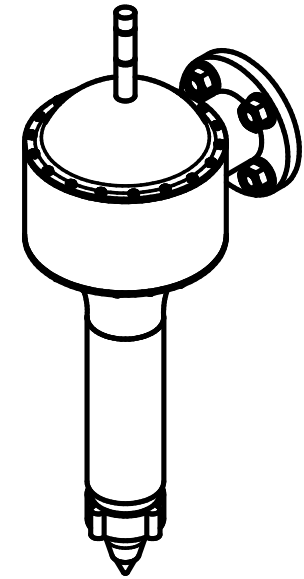
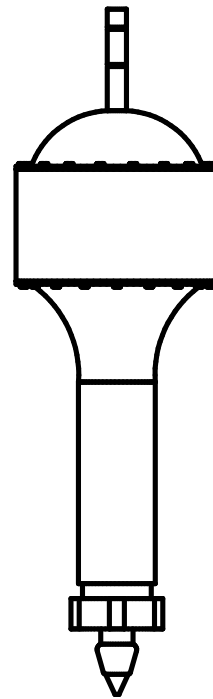
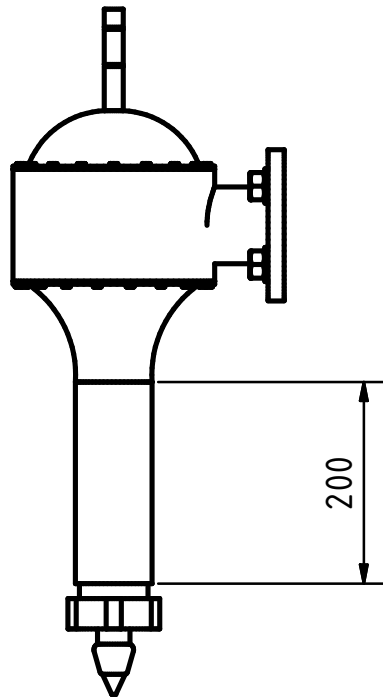
PROJECT Heavy duty drill press made from auto parts	CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0	
PART NAME Safe base 2	FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS 5.14	
PUBLISHED BY OHO e.V.			DOC. TYPE Part	MATERIAL Steel plate C45	QUANTITY 1
			LICENCE CC-BY-SA 4.0	SCALE 2:1	SHEET 54 /70

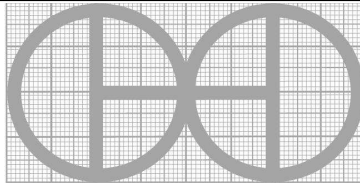


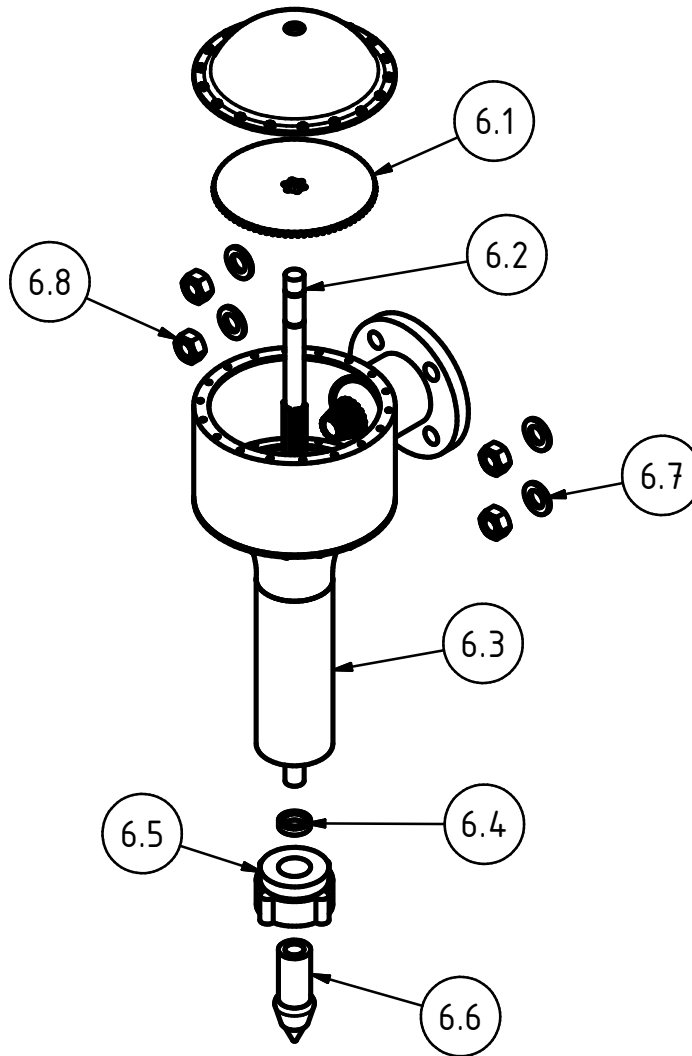
PROJECT Heavy duty drill press made from auto parts	CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0
PART NAME Top plate	FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS 5.15
PUBLISHED BY 	DOC. TYPE Part	MATERIAL Steel plate C45		QUANTITY 1
	LICENCE CC-BY-SA 4.0	SCALE 1:2.5	SHEET 55 /70	
OHO e.V.				

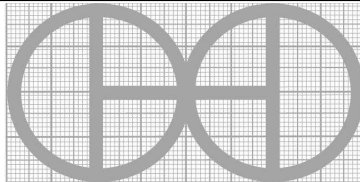


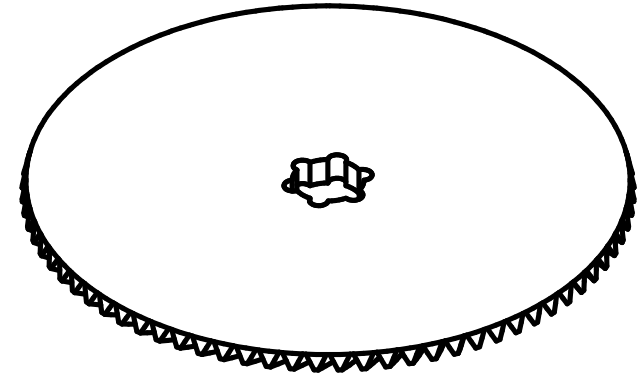
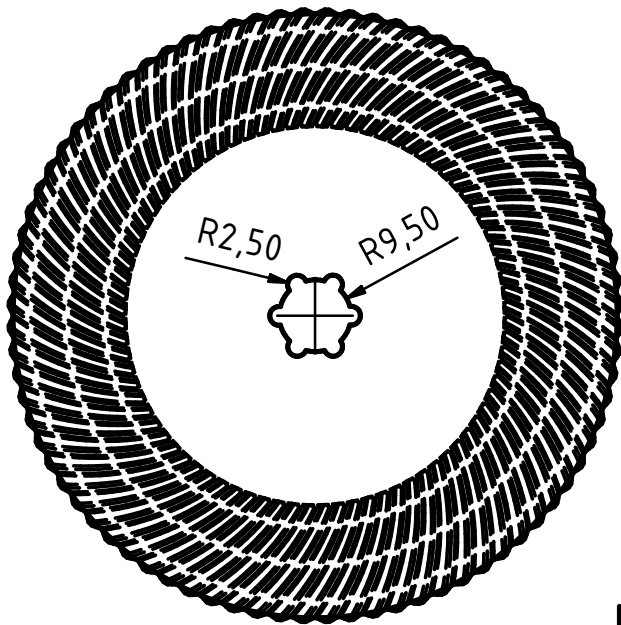
PROJECT Heavy duty drill press made from auto parts	CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0
PART NAME Safe	FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS 5.18
PUBLISHED BY OHO e.V.		DOC. TYPE Part	MATERIAL Steel bar A36	QUANTITY 1
		LICENCE CC-BY-SA 4.0	SCALE 1:7.5	SHEET 56 /70



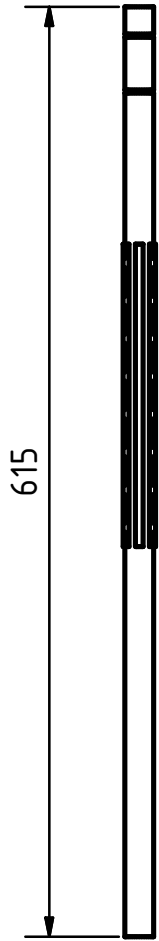
PROJECT Heavy duty drill press made from auto parts	CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0	
PART NAME Drill system	FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS 6.0	
PUBLISHED BY OHO e.V.			DOC. TYPE Assamby	MATERIAL	QUANTITY
			LICENCE CC-BY-SA 4.0	SCALE 1:7.5	SHEET 57 /70



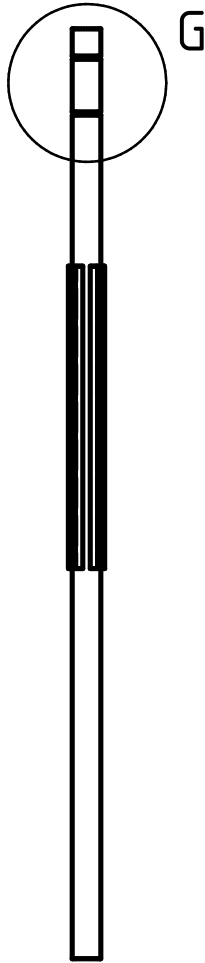
PROJECT Heavy duty drill press made from auto parts	CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0	
PART NAME Drill system	FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS 6.0	
PUBLISHED BY OHO e.V.			DOC. TYPE Assambly	MATERIAL	QUANTITY
			LICENCE CC-BY-SA 4.0	SCALE 1:7.5	SHEET 58 /70



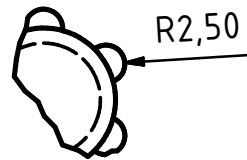
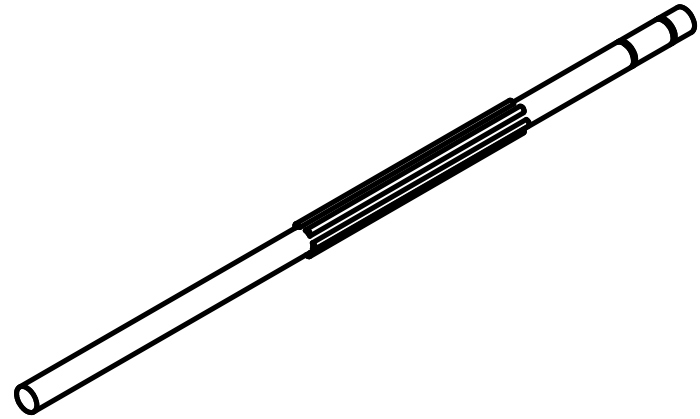
PROJECT Heavy duty drill press made from auto parts	CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0	
PART NAME Transmission top	FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS 6.1	
PUBLISHED BY OHO e.V.			DOC. TYPE Part	MATERIAL	QUANTITY 1
			LICENCE CC-BY-SA 4.0	SCALE 1:2	SHEET 59 /70



615

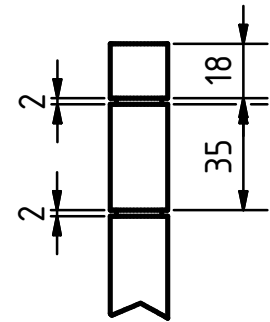


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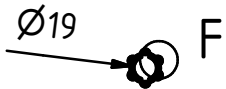


R2,50

F (1 : 1)



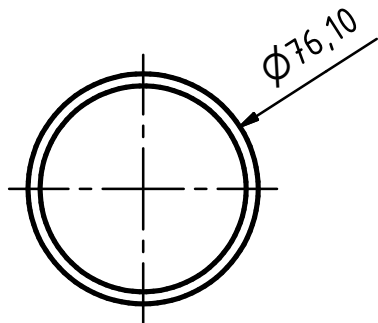
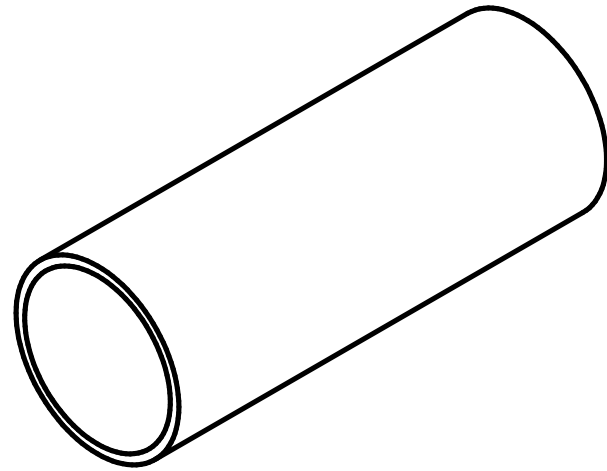
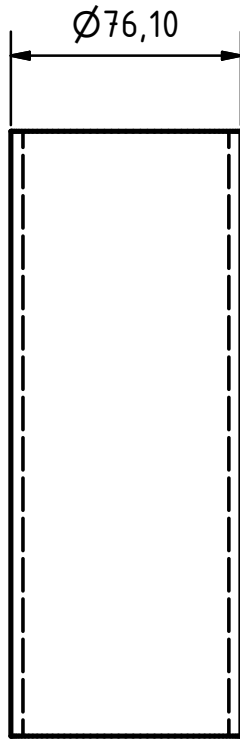
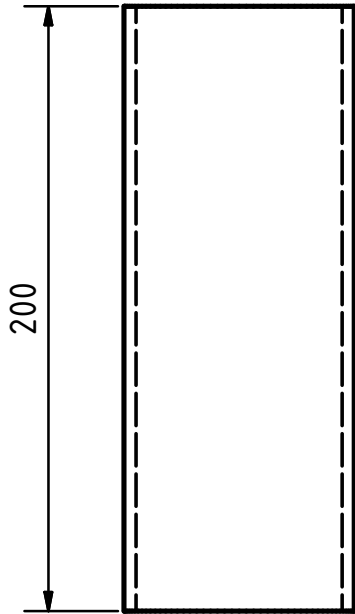
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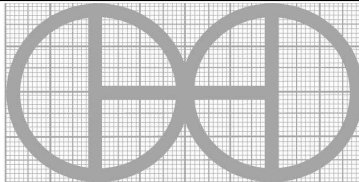


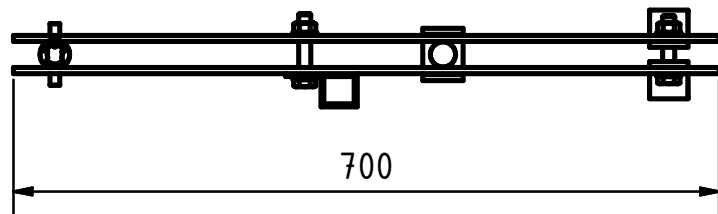
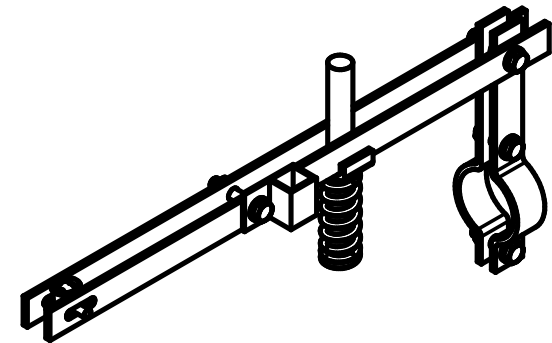
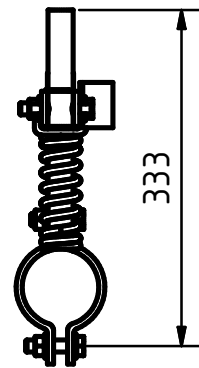
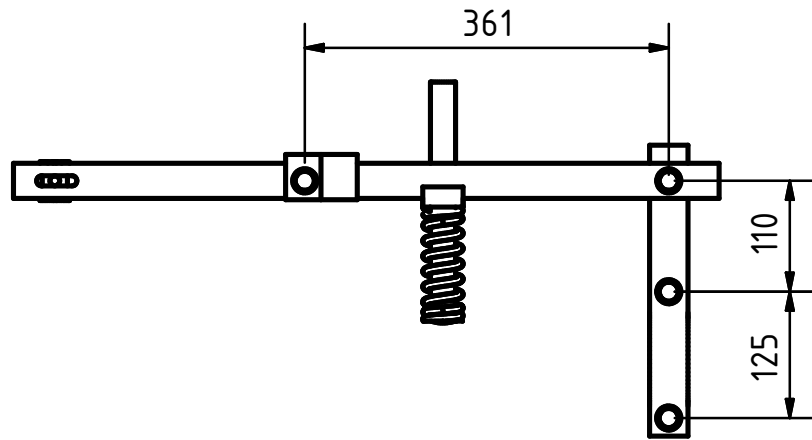
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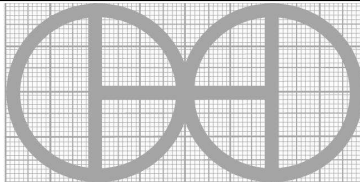
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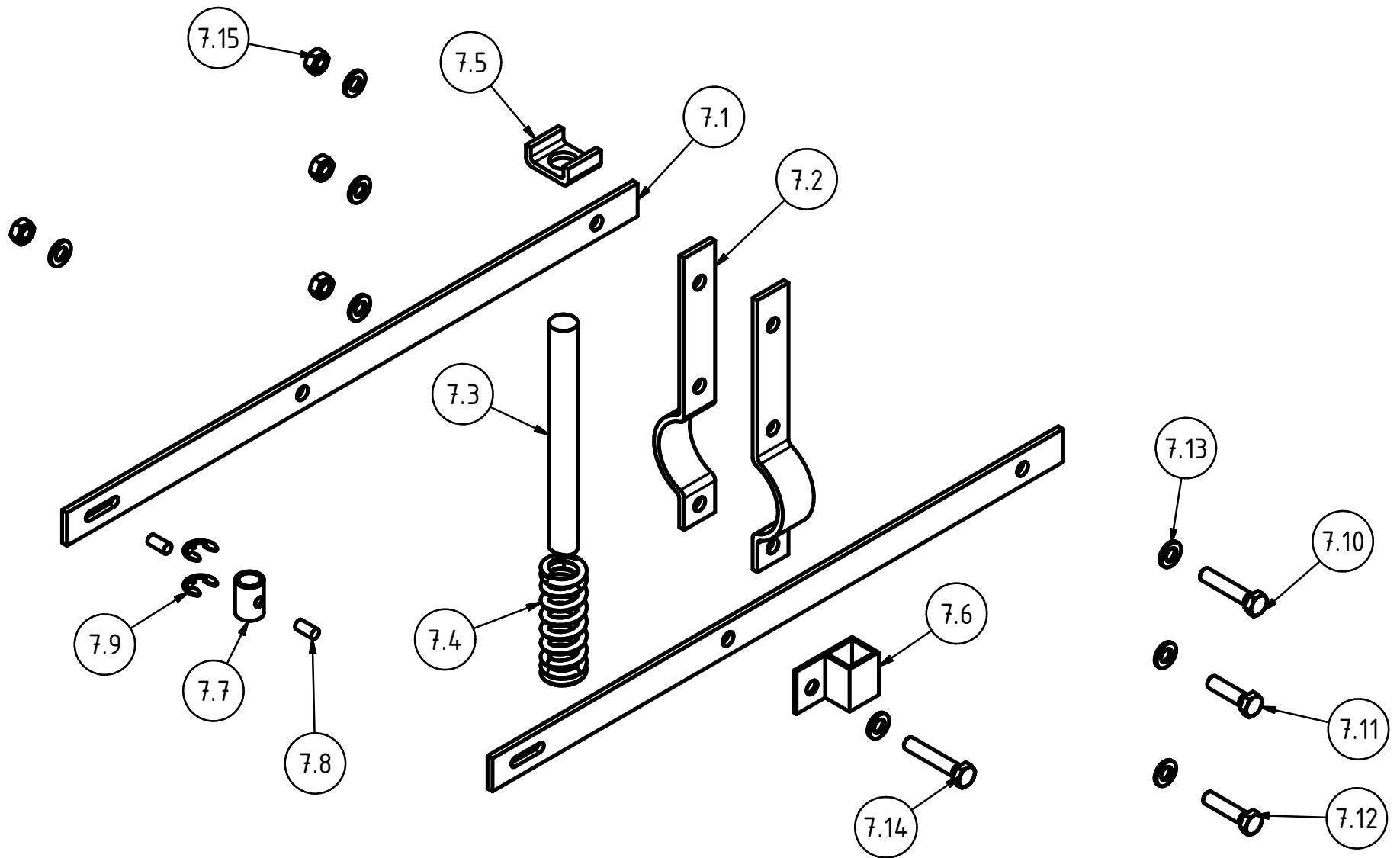
PROJECT Heavy duty drill press made from auto parts	CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0	
PART NAME Transmission bar	FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS 6.2	
PUBLISHED BY OHO e.V.			DOC. TYPE Part	MATERIAL Steel bar A36	QUANTITY 1
			LICENCE CC-BY-SA 4.0	SCALE 1:5	SHEET 60 /70

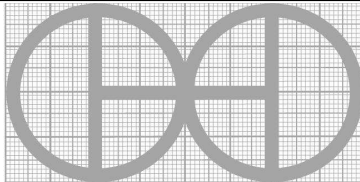


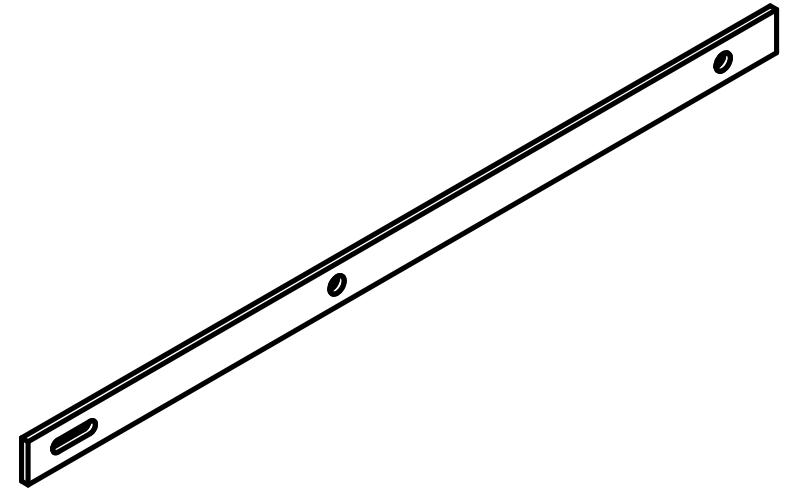
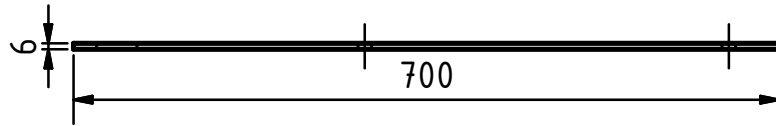
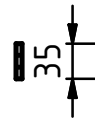
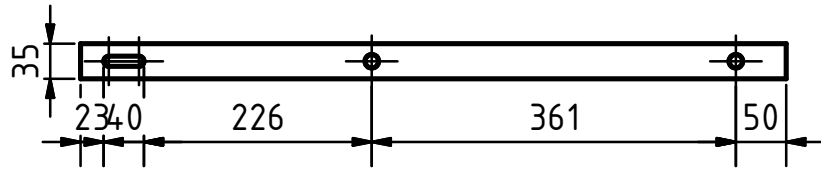
PROJECT Heavy duty drill press made from auto parts	CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0	
PART NAME Transmission tube	FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS 6.3	
PUBLISHED BY OHO e.V.			DOC. TYPE Part	MATERIAL Steel tube A36	QUANTITY 1
			LICENCE CC-BY-SA 4.0	SCALE 1:5	SHEET 61 /70

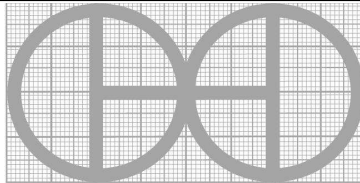


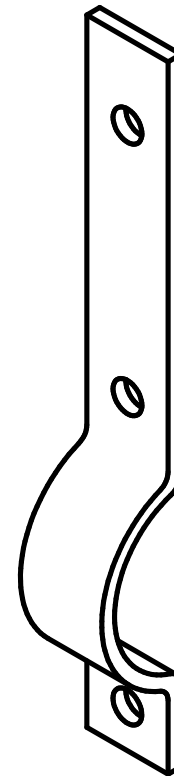
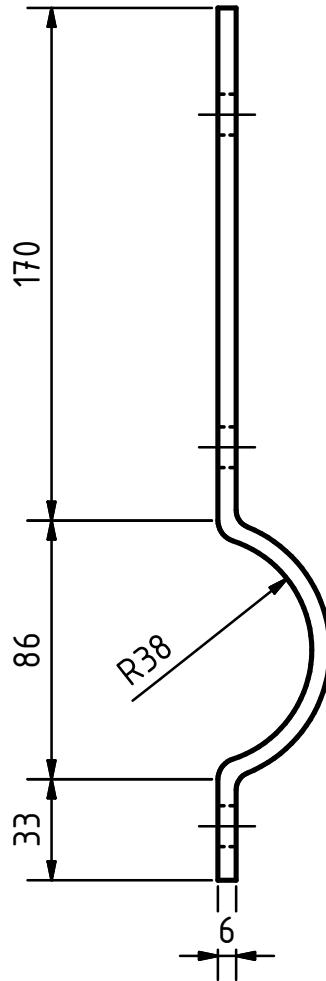
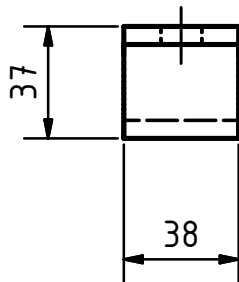
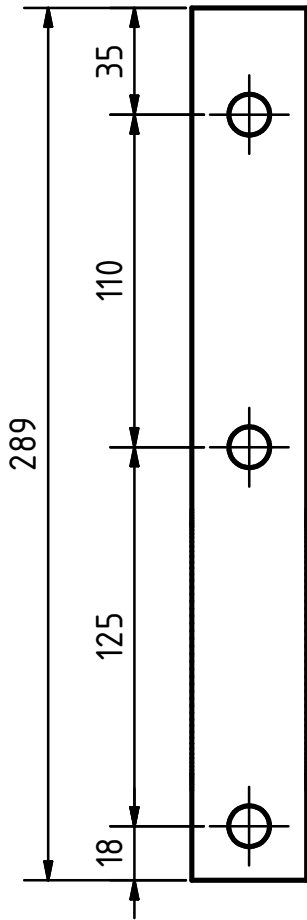
PROJECT Heavy duty drill press made from auto parts	CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0	
PART NAME Pivot system	FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS 7.0	
PUBLISHED BY OHO e.V.			DOC. TYPE Assambly	MATERIAL	QUANTITY
			LICENCE CC-BY-SA 4.0	SCALE 1:7.5	SHEET 62 /70

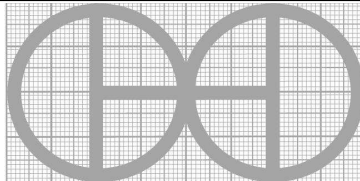


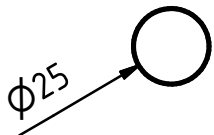
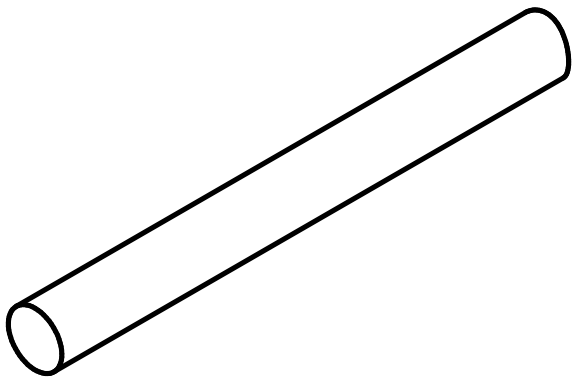
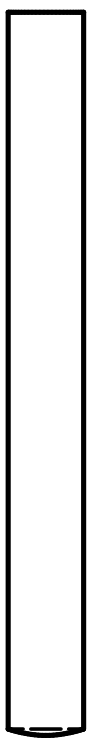
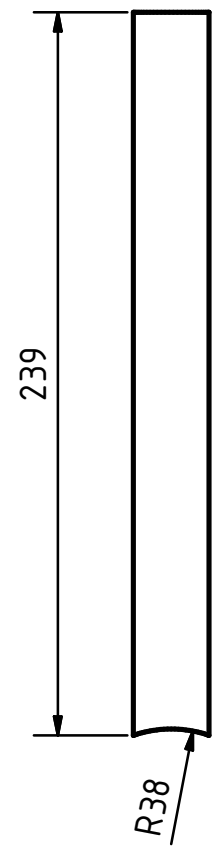
PROJECT Heavy duty drill press made from auto parts	CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0
PART NAME Pivot system	FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS 7.0
PUBLISHED BY OHO e.V.		DOC. TYPE Assembly	MATERIAL	QUANTITY
		LICENCE CC-BY-SA 4.0	SCALE 1:5	SHEET 63 /70

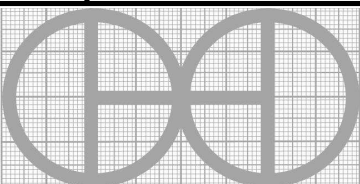


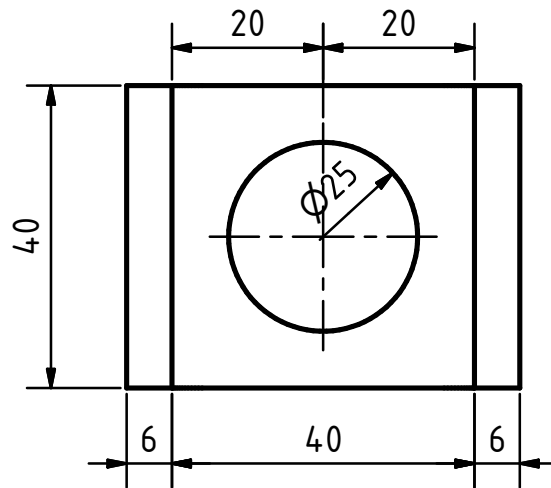
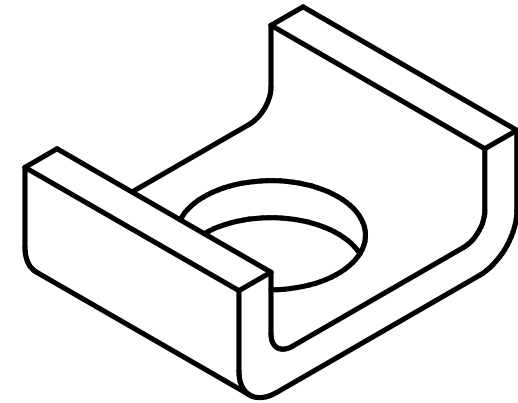
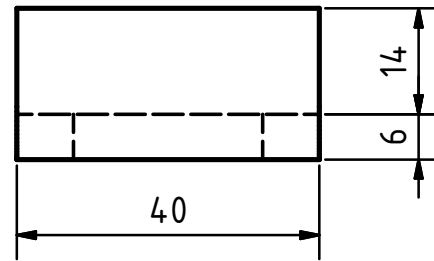
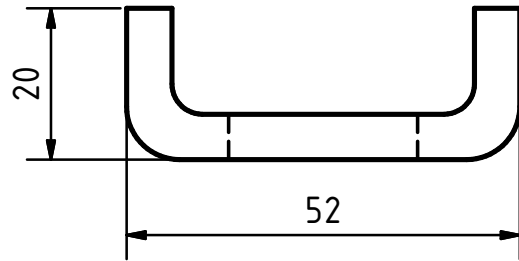
PROJECT Heavy duty drill press made from auto parts	CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0
PART NAME Pivot bar	FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS 7.1
PUBLISHED BY 	DOC. TYPE Part	MATERIAL Steel plate C45		QUANTITY 2
	LICENCE CC-BY-SA 4.0	SCALE 1:7.5	SHEET 64 /70	
OHO e.V.				

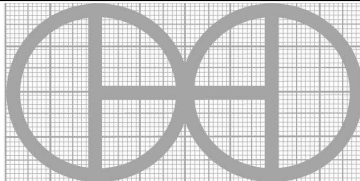


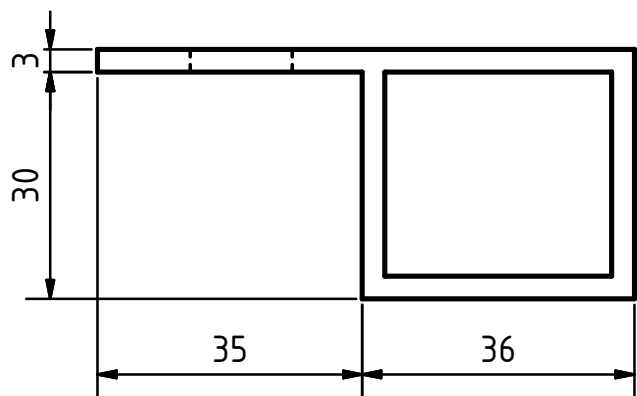
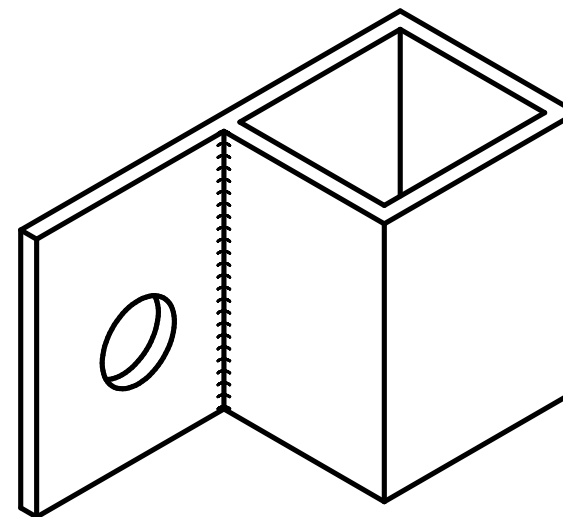
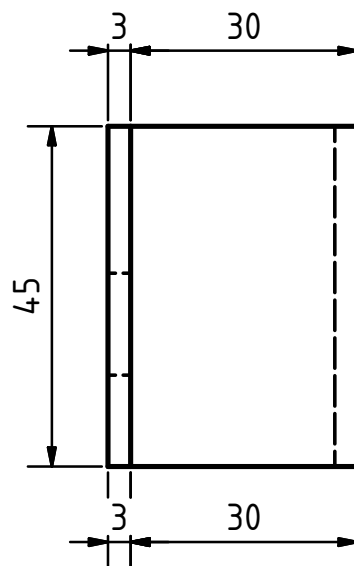
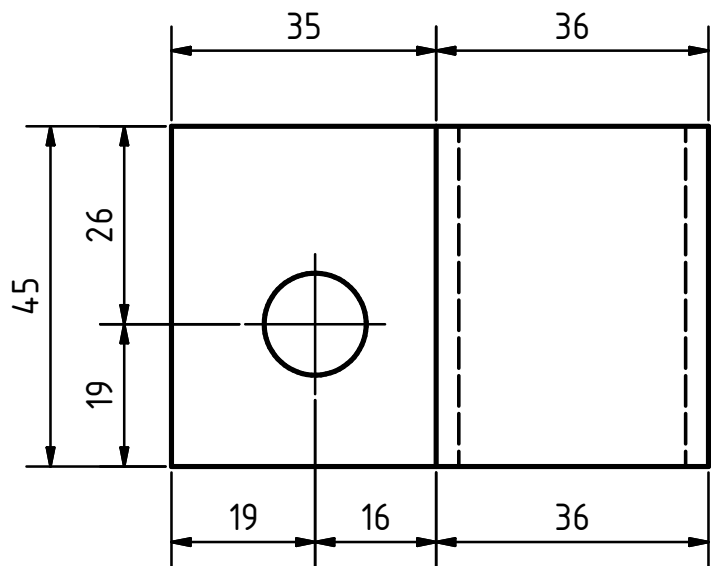
PROJECT Heavy duty drill press made from auto parts		CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0
PART NAME Pivot support		FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS 7.2
PUBLISHED BY OHO e.V.			DOC. TYPE Part	MATERIAL Steel plate C45	QUANTITY 2
			LICENCE CC-BY-SA 4.0	SCALE 1:2.5	SHEET 65 /70

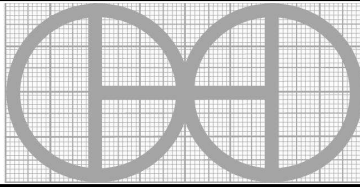


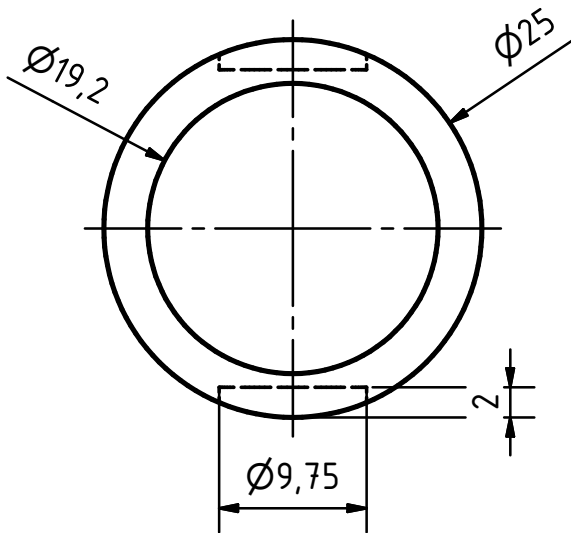
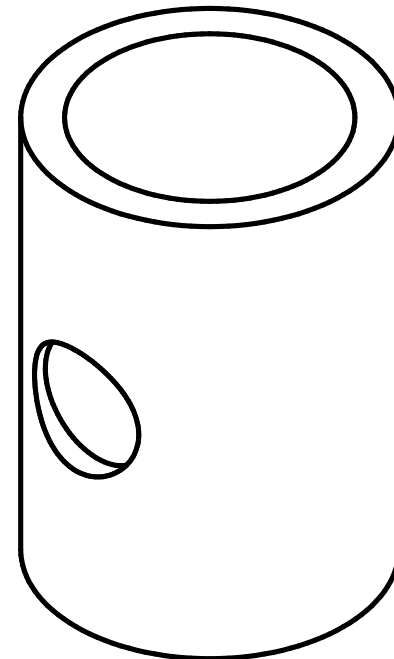
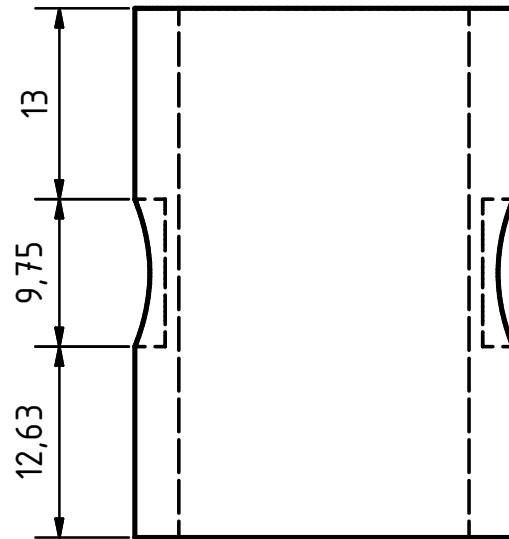
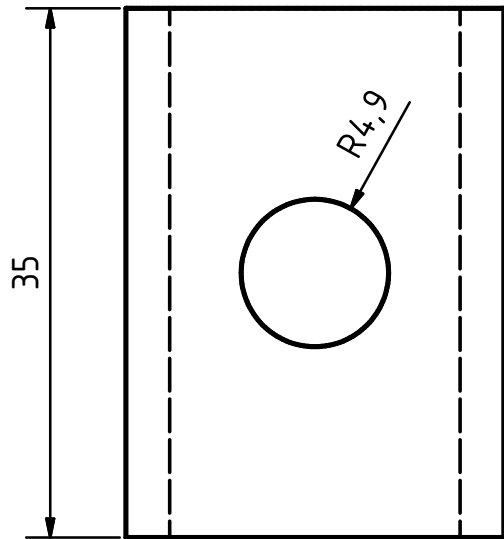
PROJECT Heavy duty drill press made from auto parts	CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0
PART NAME Spring tube	FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS 7.3
PUBLISHED BY 	DOC. TYPE Part	MATERIAL Steel bar A36		QUANTITY 1
	LICENCE CC-BY-SA 4.0	SCALE 1:2.5	SHEET 66 /70	
OHO e.V.				

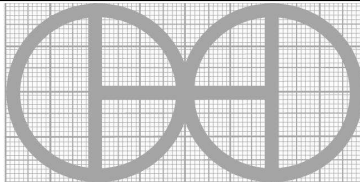


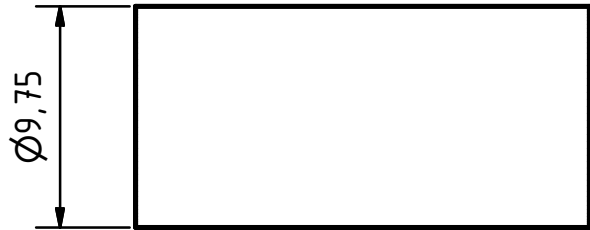
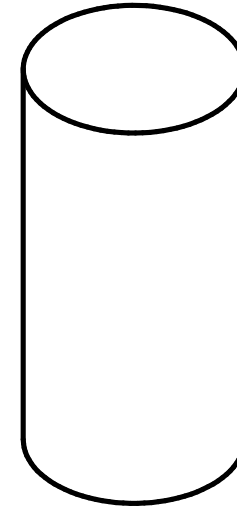
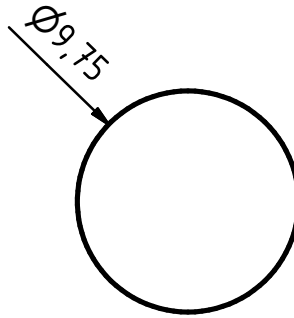
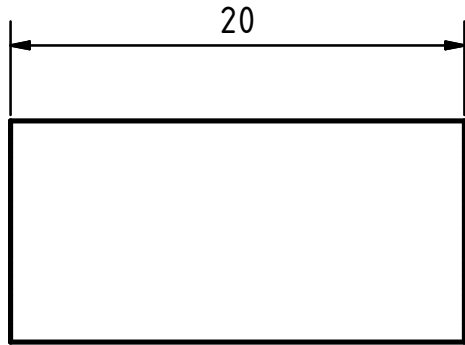
PROJECT Heavy duty drill press made from auto parts	CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0
PART NAME Support pivot bar	FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS 7.5
PUBLISHED BY OHO e.V.		DOC. TYPE Part	MATERIAL Steel plate C45	QUANTITY 1
		LICENCE CC-BY-SA 4.0	SCALE 1:1	SHEET 67 /70

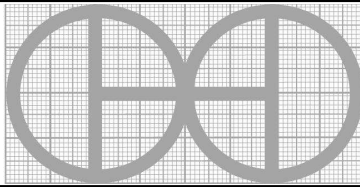


PROJECT Heavy duty drill press made from auto parts	CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0
PART NAME Rail box	FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS 7.6
PUBLISHED BY OHO e.V.		DOC. TYPE Part	MATERIAL Sheet metal C45	QUANTITY 1
		LICENCE CC-BY-SA 4.0	SCALE 1:1	SHEET 68 /70



PROJECT Heavy duty drill press made from auto parts	CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0
PART NAME Bushing	FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS 7.7
PUBLISHED BY OHO e.V.		DOC. TYPE Part	MATERIAL Steel tube A36	QUANTITY 1
		LICENCE CC-BY-SA 4.0	SCALE 2:1	SHEET 69 /70



PROJECT Heavy duty drill press made from auto parts	CREATED BY E. Araujo	APPROVED BY A. Morillo	DATE 02/11/2021	VERSION 1.0	
PART NAME Pin bushing	FILE NAME lhh_hda_heavy_duty_drill_press_made_from_auto.idw			POS 7.8	
PUBLISHED BY OHO e.V.			DOC. TYPE Part	MATERIAL Steel bar A36	QUANTITY 2
			LICENCE CC-BY-SA 4.0	SCALE 3:1	SHEET 70 /70