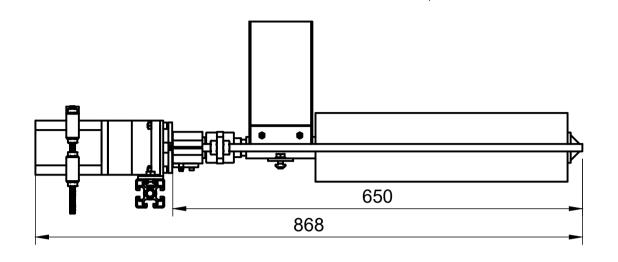
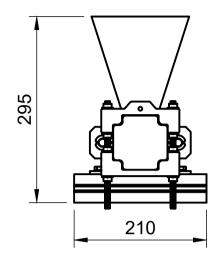


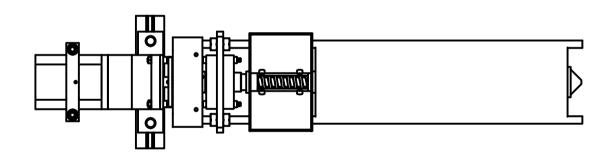
- 1 NEMA34 and gearbox
- 2 Motor positioner
- 3 Mounting NEMA34
- 4 Hopper
- 5 Isolation
- 6 Nozzle
- 7 heating pipe
- 8 assembly pressurepart
- 9 mounting hall sensor extruder

The complicated parts have their own page in another blueprint.

Dept.	Technical reference	Created by	Approv	ed by	
		Manuel Maeder 10.10.202	0		
		Document type	Docum	ent status	
		Title	DWG N	lo.	
		extruder			
		overview			
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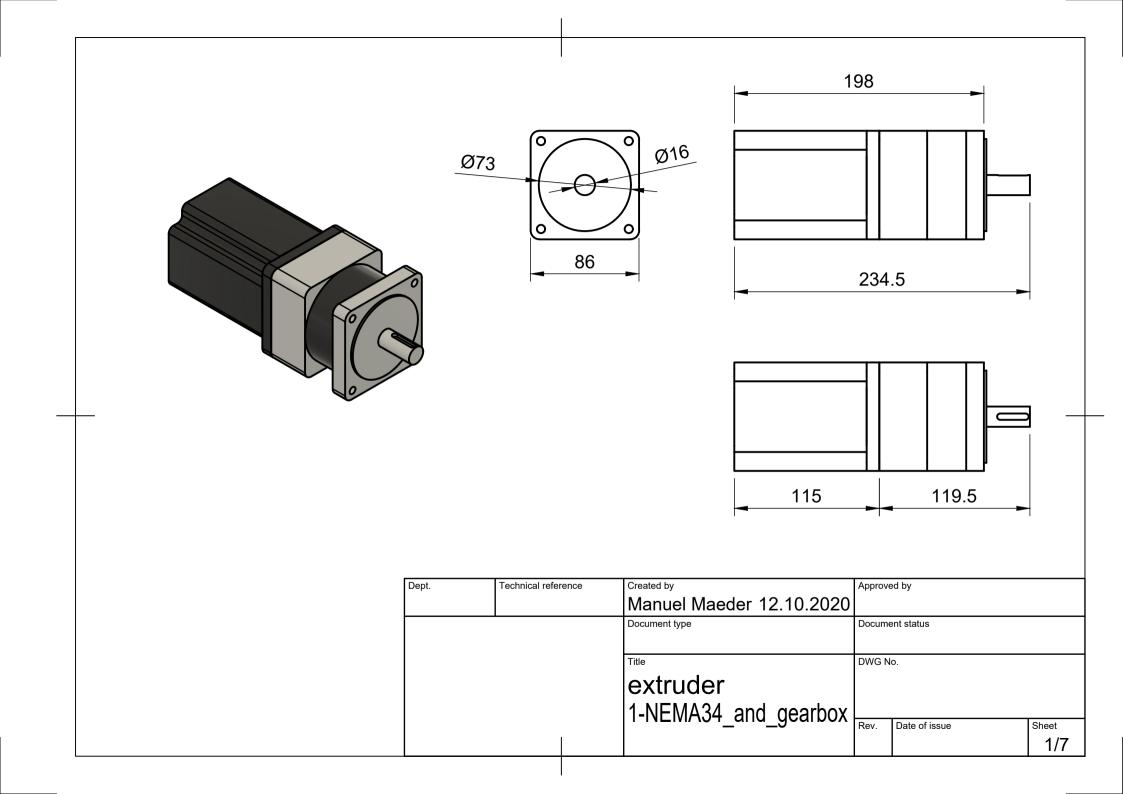


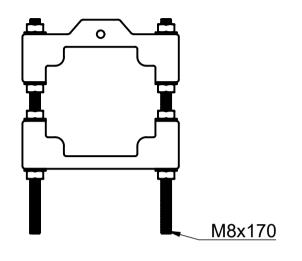


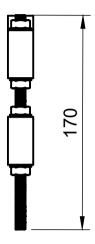


Dimensions of the extruder are shown in this blueprint. 650 mm is the length of the M12x1.75 threads.

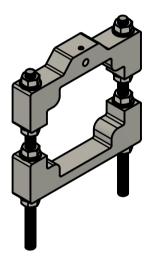
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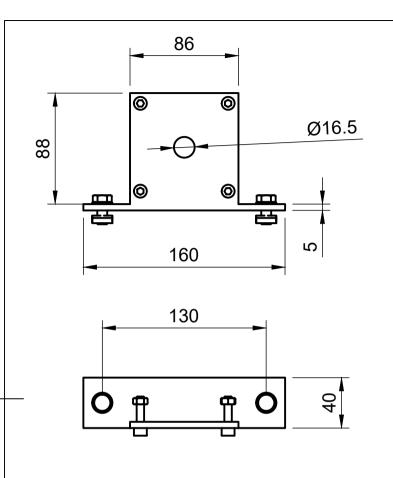


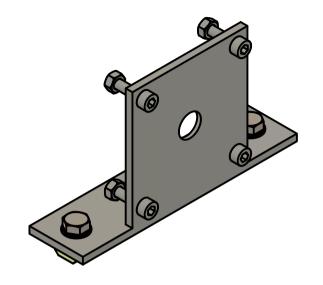




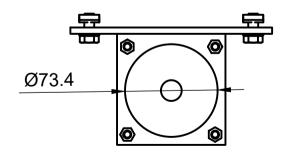
Just export the files as STL form the CAD to print them in 3d

Dept.	Technical reference	Created by	Approve	ed by	
		Manuel Maeder 12.10.2020			
		Document type	Docume	ent status	
		Title	DWG N	lo.	
		extruder			
		2-motor_positioner			
			Rev.	Date of issue	Sheet
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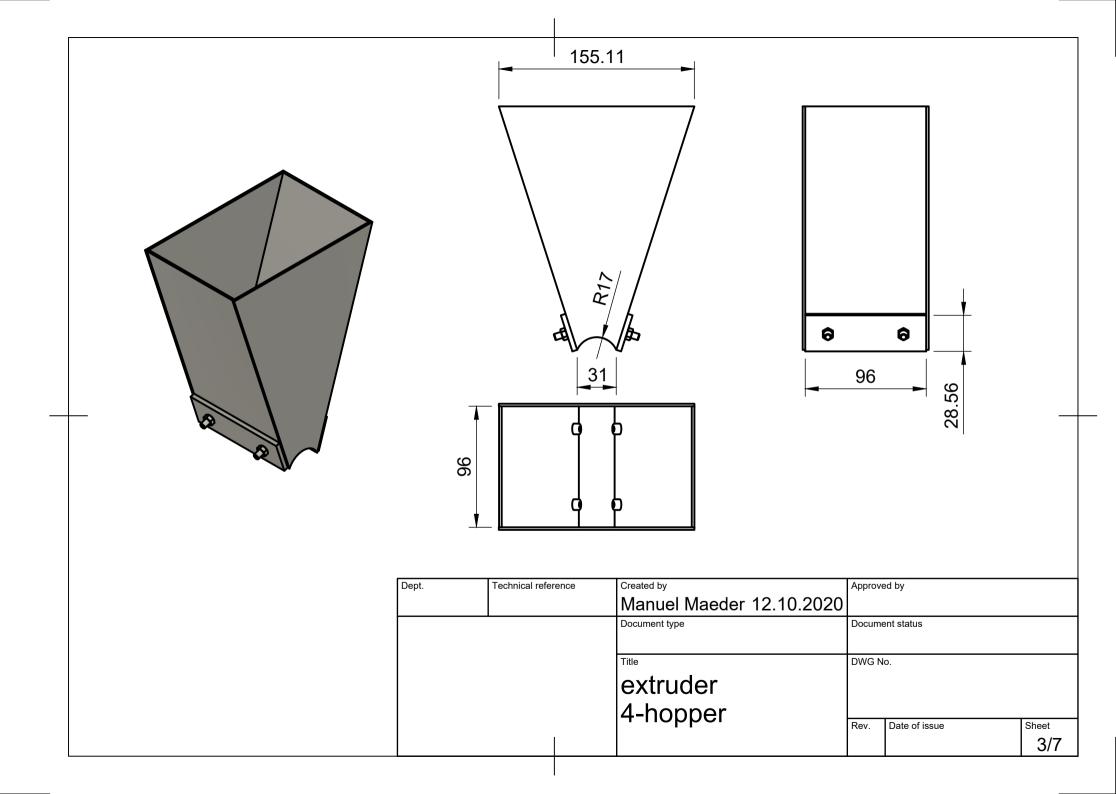


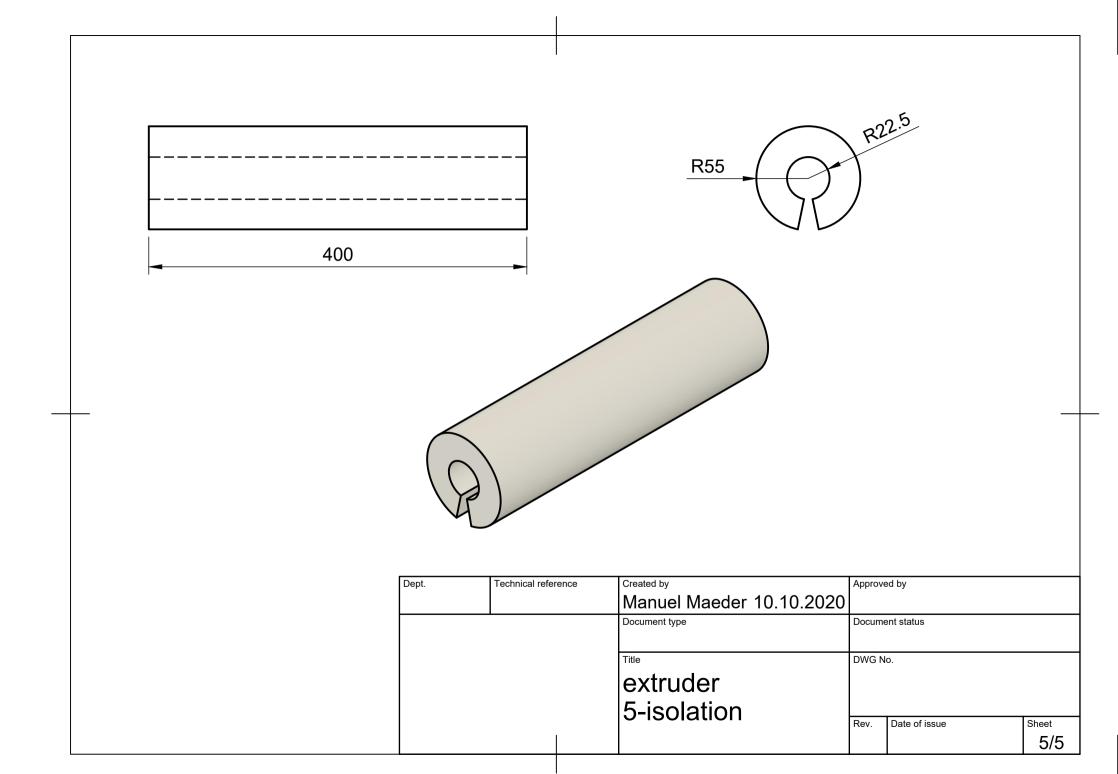


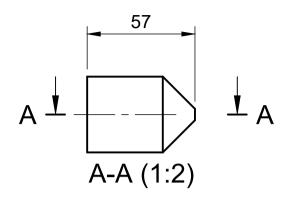
Used to mount the Motor + Gearbox on the frame. It is basically just two sheet metal plates welded together. If possible, one can mill the 73.4 mm x 2mm offset into the one plate, but its not necessary

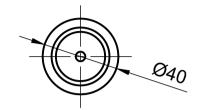


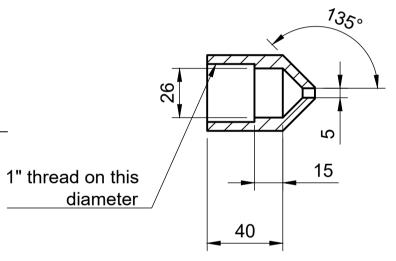
Dept.	Technical reference	Created by	Approved by	
		Manuel Maeder 10.10.202	20	
		Document type	Document status	
		Title	DWG No.	
		extruder		
		3-mounting_NEMA3	Rev. Date of issue	Sheet
	1		There is a second source	
				3/5





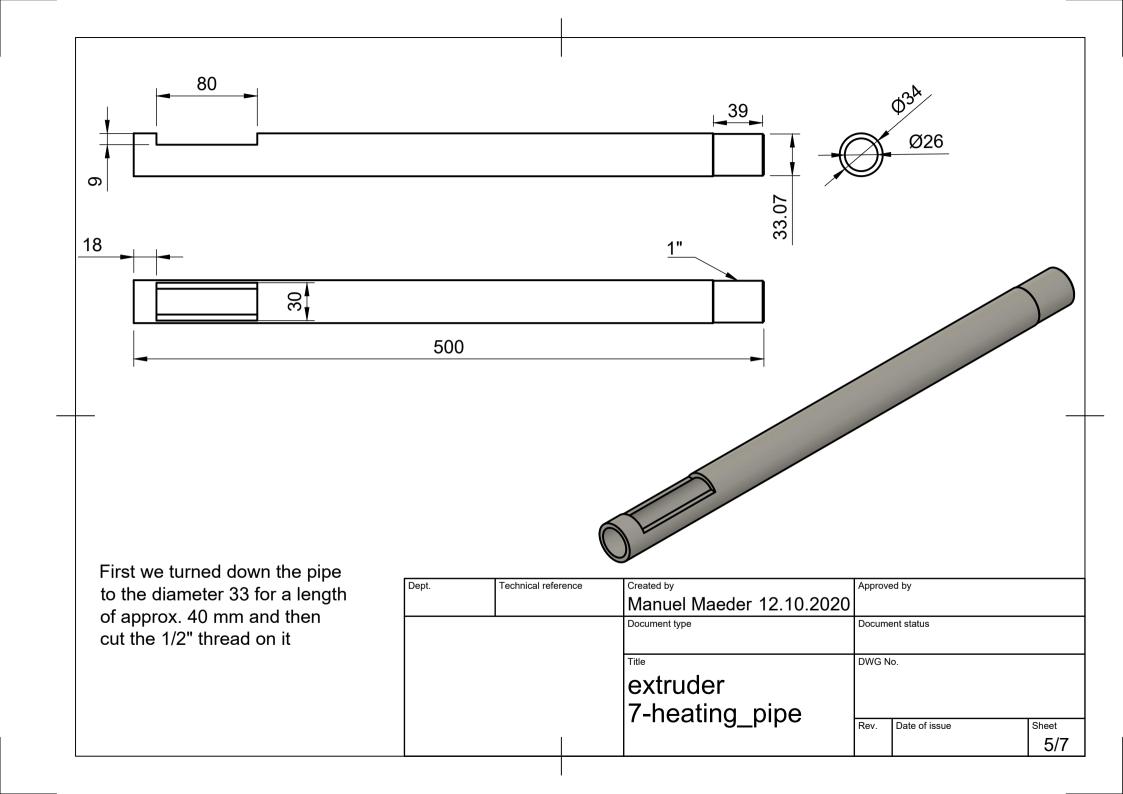


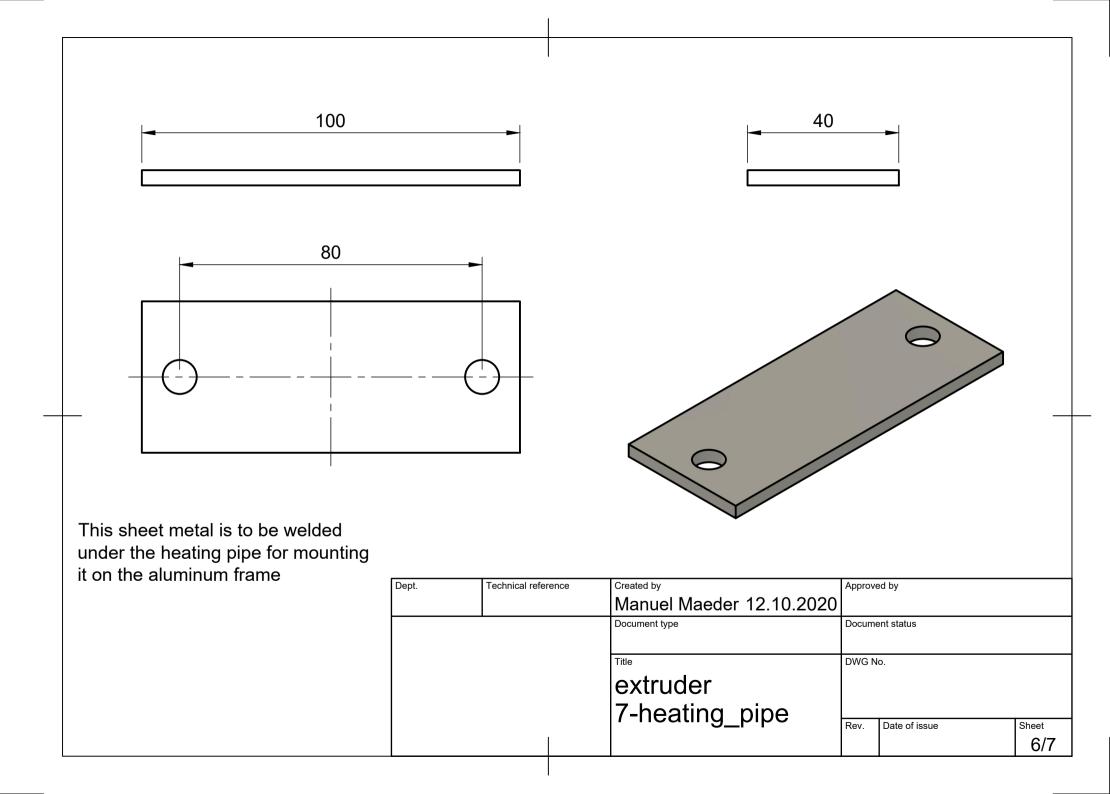


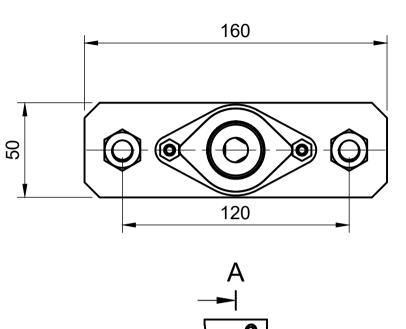




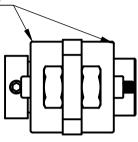
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		Manuel Maeder 12.10.20	20		
		Document type	Docum	ent status	
		Title	DWG N	No.	
		extruder			
		6-nozzle			
		0-1102216	Rev.	Date of issue	Sheet
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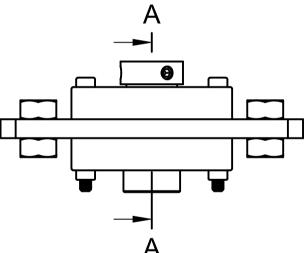






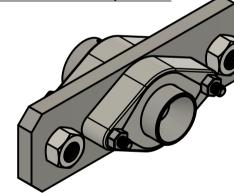
The covers of the bearings are printed





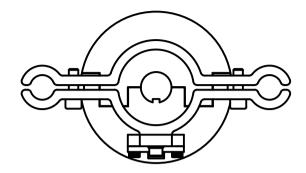
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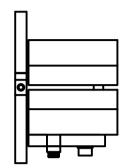
Two tapered roller bearings on both sides of the plate

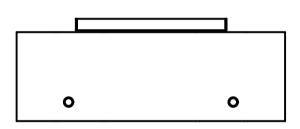


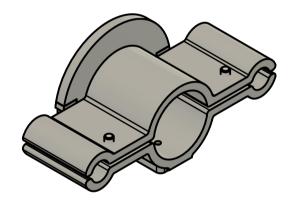
Used to transmit the axial force from the extrusion screw from the frame to the fixed platen. Without this, the frame couldnt withstand the force of the extrusion screw.

Dept.	Technical reference	Created by	Approved by
		Manuel Maeder 10.10	0.2020
	-	Document type	Document status
		Title	DWG No.
		extruder	
		8-assembly pressur	repart
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All parts except the screws are printed and can be exported from the CAD. These parts prevents from grabbing the moving shaft and is also the mounting for a possible hall sensor, that checks the extruder revolutions

Dept.	Technical reference	Created by	Approve	ed by	
		Manuel Maeder 12.10.2020			
		Document type	Docume	ent status	
		Title	DWG N	lo.	
		extruder			
		9-mounting hall sensor extruder			
		13-mounting half scrisor extrader	Rev.	Date of issue	Sheet
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