

Machine: Raptor X-SL CNC

Assignment:

- Create the part in CAD
- Use CAM to program toolpaths for machine
- Mill out shape out of stock
- Match dimensions with reasonable accuracy
- Remove any tabs and deburr edges




github.com/FabLab-Halmstad

Extra Challenge: Use fixture to hold part

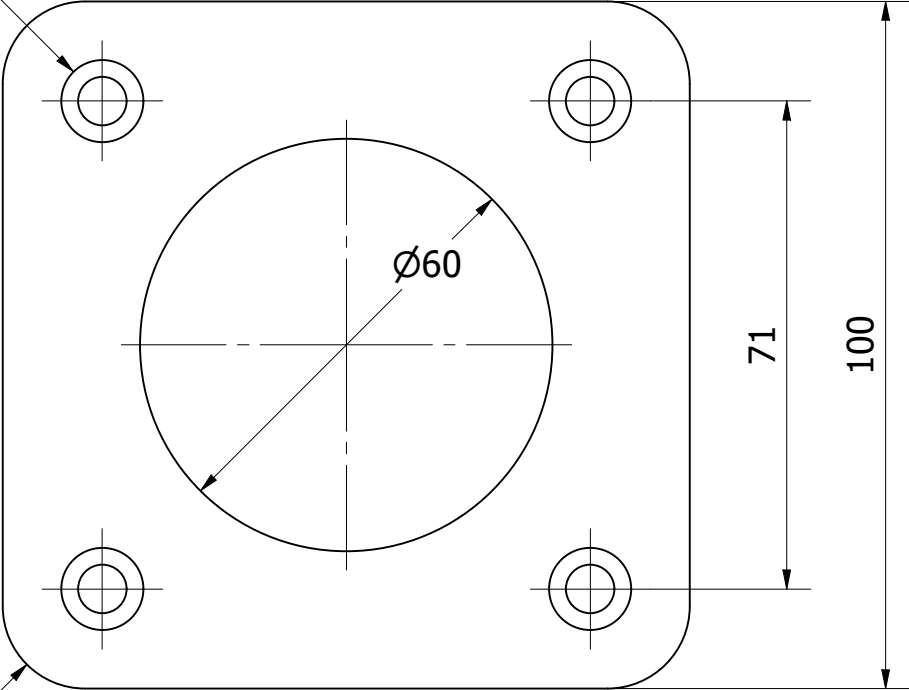
PARTS LIST

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	MP1-1001	Mounting plate
2	4	M6 x 16	ISO metric hex socket screw

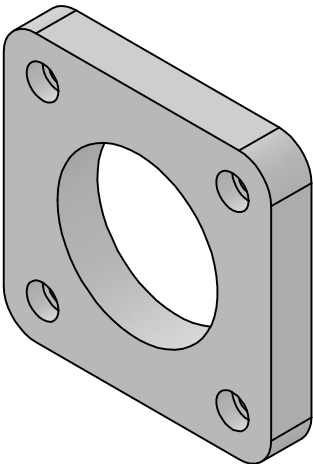
Drawn by	Date	Workshop EDU		All units in metric General Tolerance: ISO 2768-1M Sharp corners broken ISO unless otherwise spec.		
Benjamin Solar	2024-02-20	Mount Plate ASM				
 FABLAB WORKSHOP		Part		Scale	Rev: 1	Sheet
		MP1	Stock	1 : 1		1 / 1




Ø7 THRU
Ø12 ± 6



R12



Drawn by Benjamin Solar	Date 2024-02-20	Workshop EDU	All units in metric General Tolerance: ISO 2768-1M Sharp corners broken ISO unless otherwise spec.			
 FABLAB WORKSHOP		Mounting Plate		Scale 10:11	Rev: 1	Sheet 1 / 1
				Part MP1-1001	Stock Plywood 15mm	