

PARTS LIST

ITEM	QTY	PART NUMBER	DESCRIPTION
2	1	TH1-001	Tool Holder base
3	2	TH1-002	Holder tooth
4	4	M6 x 25	Hex Socket Screw
5	2	M5 x 20	Countersunk Screw

Drawn by

Benjamin Solar

Date

2025-10-05

WEDU

All units in metric

General Tolerance:

ISO 2768-1M

Sharp corners broken

ISO unless otherwise spec.



FABLAB
WORKSHOP

Tool Holder

Part

TH1

Stock

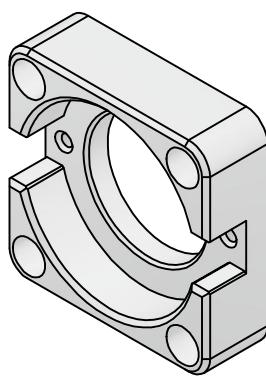
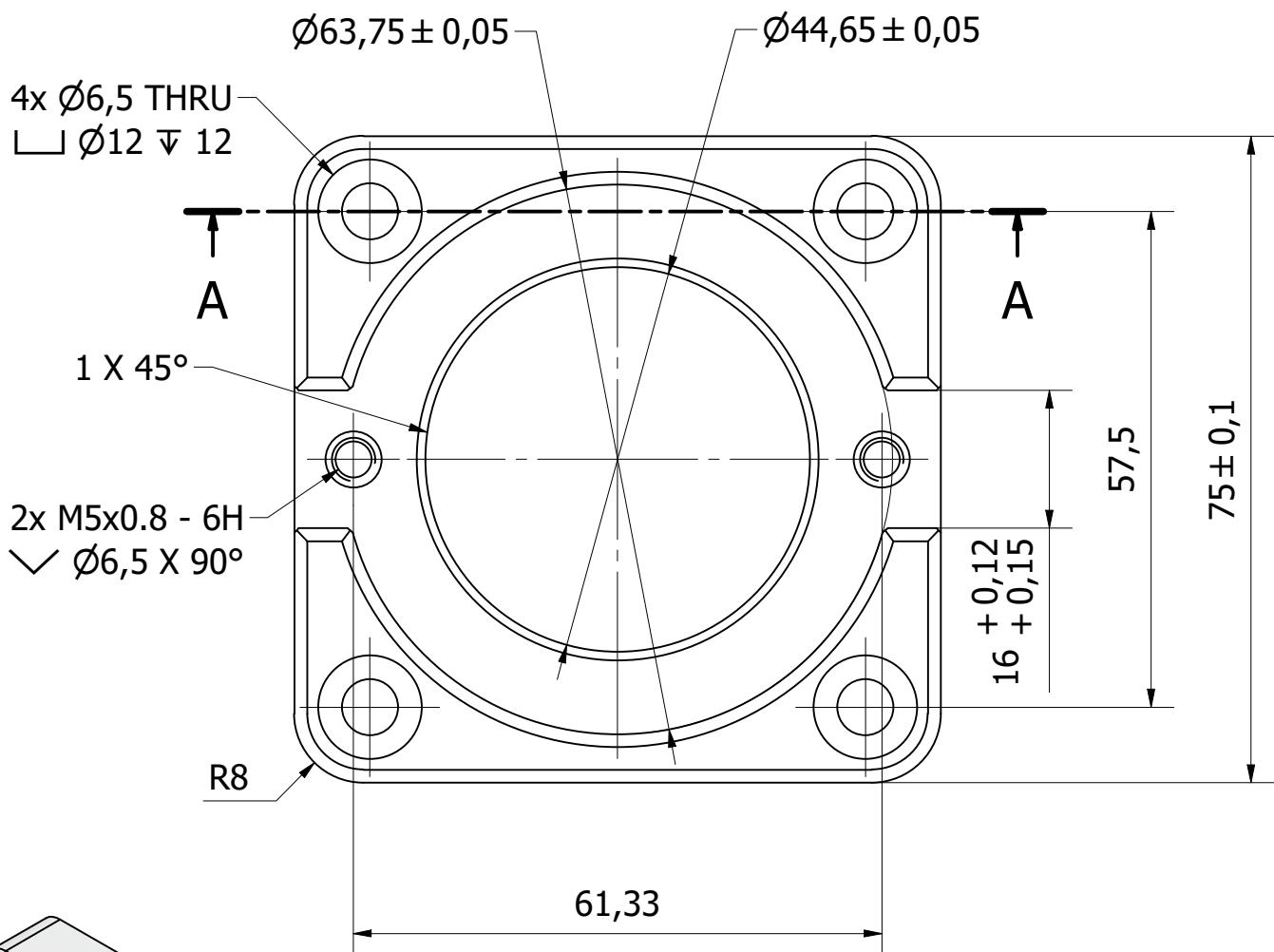
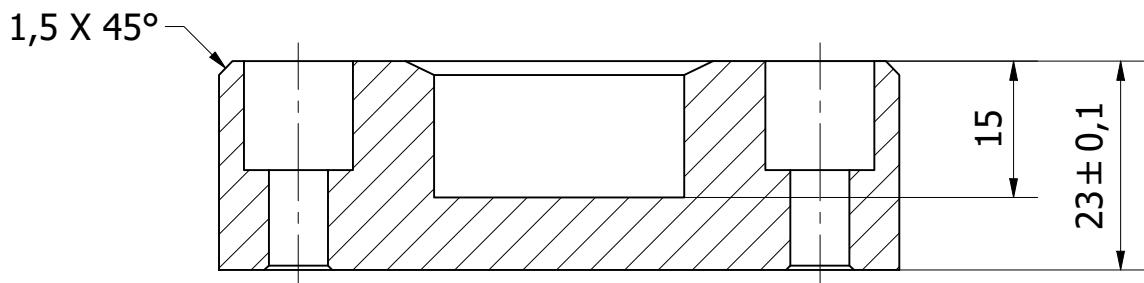
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Scale
7 : 5

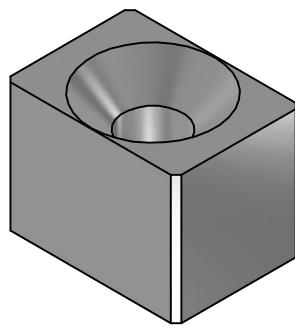
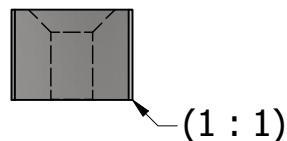
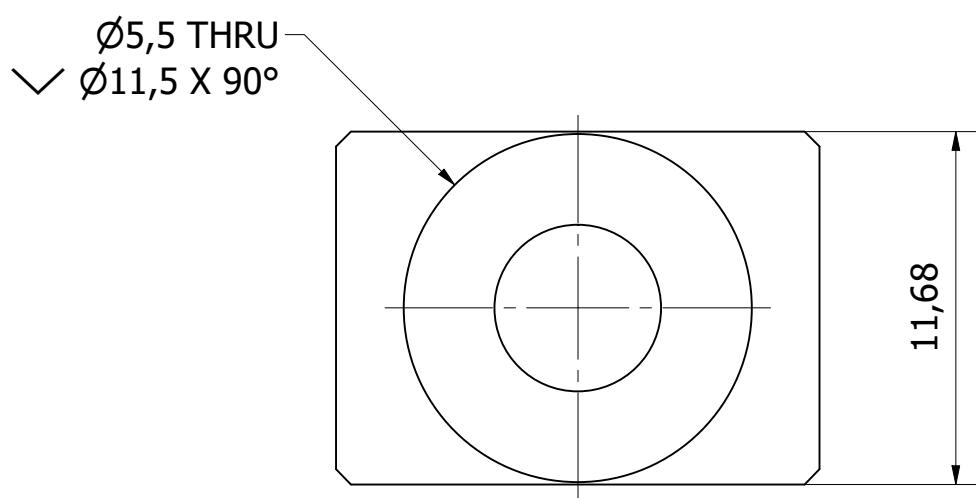
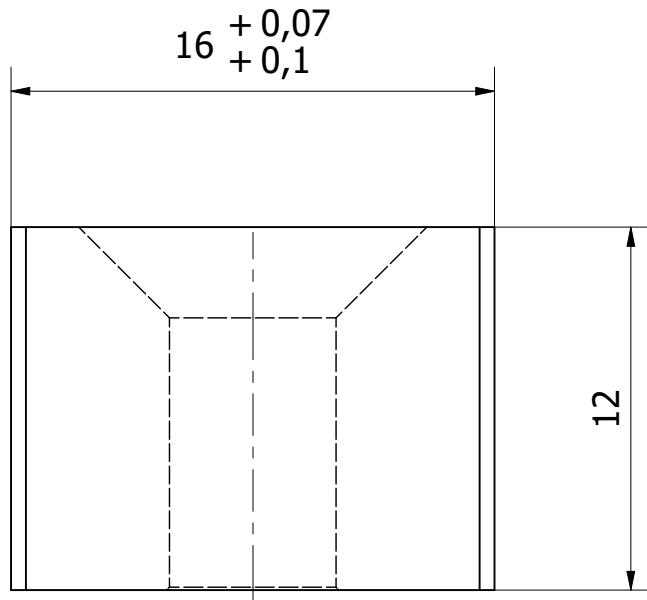
Rev: 7

Sheet
1 / 1

A-A (6:5)



Drawn by Benjamin Solar	Date 2025-10-05	WEDU	All units in metric General Tolerance: ISO 2768-1M Sharp corners broken ISO unless otherwise spec.
	Tool Holder base		
Part TH1-001	Stock ALUM 6082 T6	Scale 6:5	Rev: 7
Sheet 1 / 1			



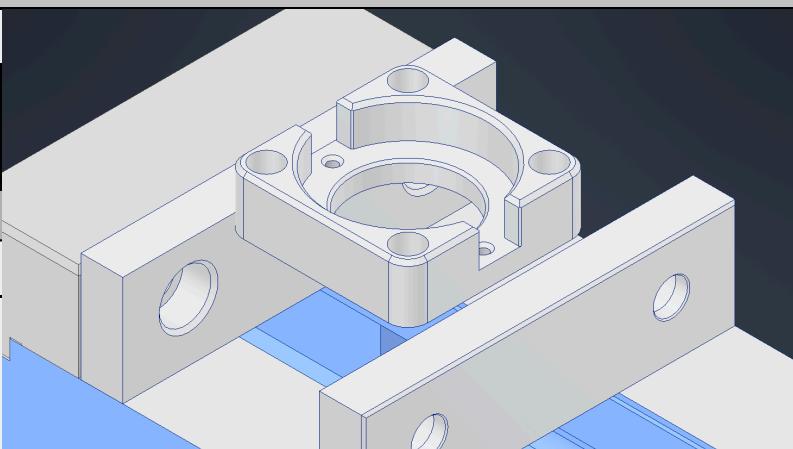
Drawn by Benjamin Solar	Date 2025-10-05	WEDU	All units in metric General Tolerance: ISO 2768-1M Sharp corners broken ISO unless otherwise spec.
	Holder tooth		
Part TH1-002	Stock	Scale 4 : 1	Rev: 7
C45E			Sheet 1 / 1



FABLAB WORKSHOP

Job name:	WEDU	Program No. :	TH1-001_SetupSheet	Machining time
Date created:	16-011-2024	Comment:	OP1 - TH1-001	12m:23s

SETUP - 3 TOTAL	
STOCK	PART
X: 80.00	X: 75.00
Y: 80.00	Y: 75.00
Z: 40.00	Z: 23.00
G54	
SETUP NOTES	
All units are metric.	



TOOLS										
Type	T	H	DIA	NoF	Desc.	CMT	BL	Shaft	Vendor	ID
face mill	T1	H11	Ø63	4	4F Polished	N1.1	40	Ø63	Dormer Pramet	63A04R-S45OE06Z-C
face mill	T2	H12	Ø50	5	5F Polished	N1.1	40	Ø45	Dormer Pramet	50A05R-S90AD16E-C
flat end mill	T4	H14	Ø10	2	2F Short Polished	N1.1 Roughing	65	Ø10	Dormer Pramet	S61110.0
flat end mill	T5	H28	Ø10	3	3F Short Bright	N1.1	30	Ø10	Dormer	S65010.0
chamfer mill	T6	H17	Ø8	2	2F Coated	N1.1	30.5	Ø8	Dormer Pramet	S7408.0
spot drill	T7	H19	Ø8	2	2F Polished Short	N1.1	39	Ø8	Dormer Pramet	R1238.0
drill	T8	H8	Ø4.2	2	2F TiN Short	N1.1	30	Ø4.2	Dormer Pramet	A0224.2
drill	T9	H9	Ø6.5	2	2F TiN Jobber	N1.1	65	Ø6.5	Dormer	A5106.5
right hand tap	T10	H10	Ø5	3	3F Bright Sp.p B-type	N1.1	30	Ø5	Dormer	E000M5