


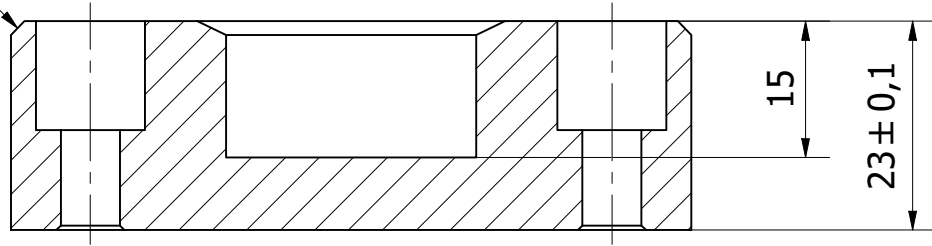
| PARTS LIST | | | |
|------------|-----|-------------|-------------------|
| ITEM | QTY | PART NUMBER | DESCRIPTION |
| 2 | 1 | TH1-001 | Tool Holder base |
| 3 | 2 | TH1-002 | Holder tooth |
| 4 | 4 | M6 x 25 | Hex Socket Screw |
| 5 | 2 | M5 x 20 | Countersunk Screw |

| | | | | | | | |
|--|------------|-------------|---|--|-------|--------|----------------|
| Drawn by | Date | | | | | | |
| Benjamin Solar | 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 | - | Scale | 7 : 5 | Rev: 7 | Sheet 1 / 1 |



A-A (6:5)

1,5 X 45°



Ø63,75 ± 0,05

Ø44,65 ± 0,05

4x Ø6,5 THRU
└┐ Ø12 ▽ 12

A

1 X 45°

2x M5x0.8 - 6H
✓ Ø6,5 X 90°

A

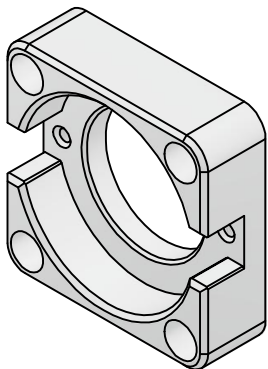
57,5


75 ± 0,1

16 +0,12
+0,15

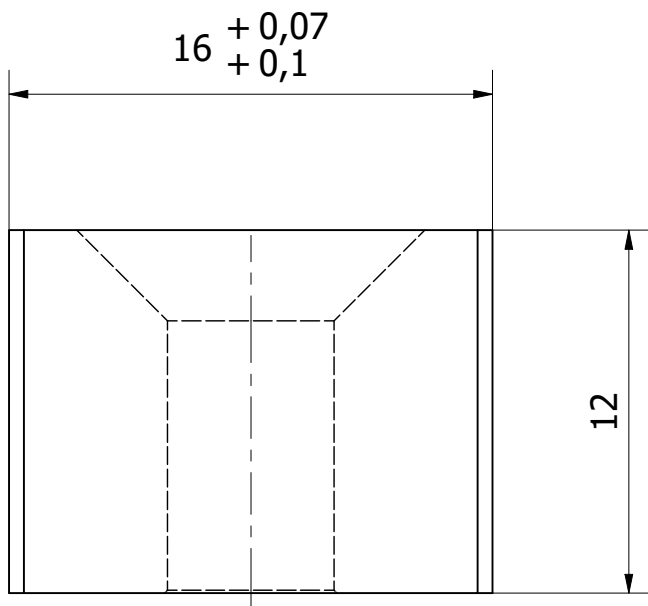
R8

61,33

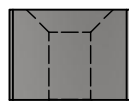
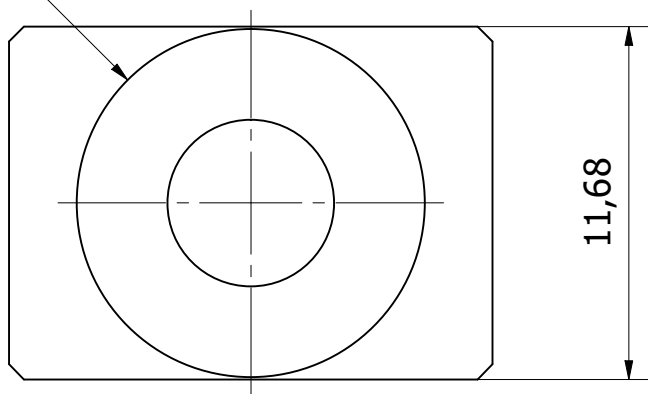


| | | | | | |
|--|--------------------|-----------------------|--|--------|----------------|
| Drawn by Benjamin Solar | Date 2025-10-05 | WEDU | All units in metric General Tolerance: ISO 2768-1M Sharp corners broken ISO unless otherwise spec. | | |
|  FABLAB WORKSHOP | Tool Holder base | | Scale 6:5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

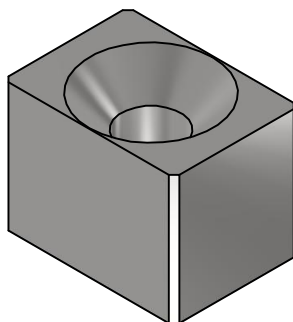





✓ Ø5,5 THRU
✓ Ø11,5 X 90°



(1 : 1)



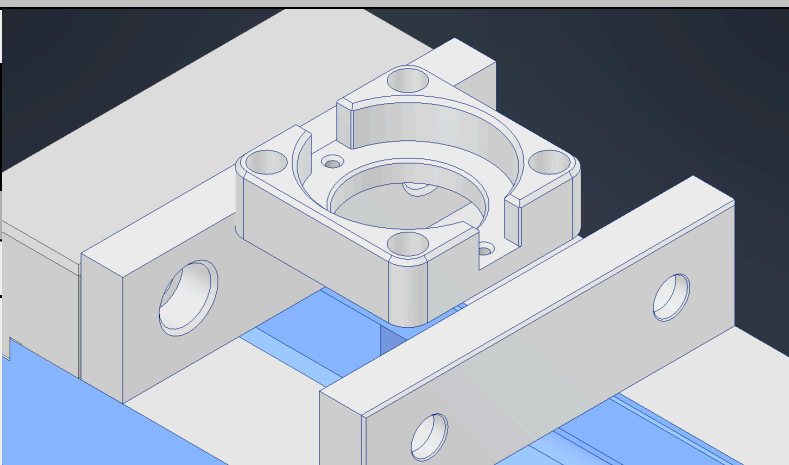
| | | | | | |
|--|--------------------|---------------|--|--------|----------------|
| Drawn by Benjamin Solar | Date 2025-10-05 | WEDU | All units in metric General Tolerance: ISO 2768-1M Sharp corners broken ISO unless otherwise spec. | | |
|  FABLAB WORKSHOP | Holder tooth | | | | |
| | Part TH1-002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