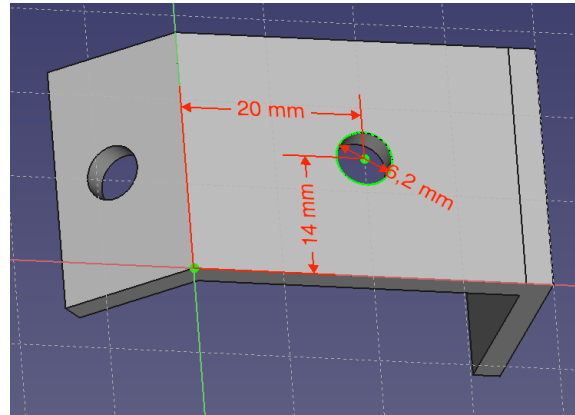
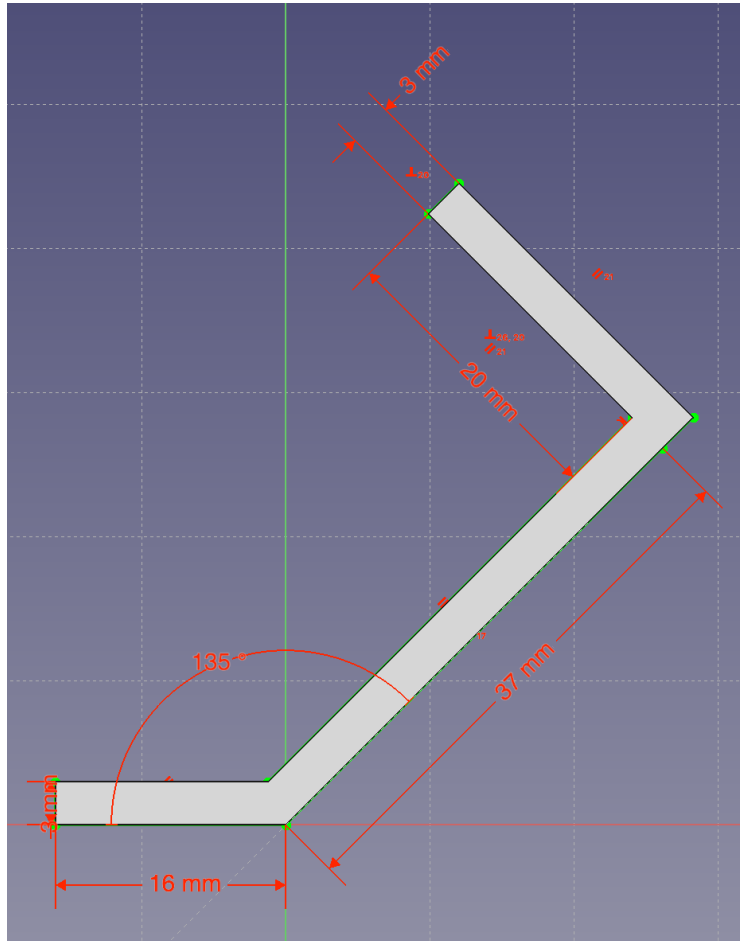


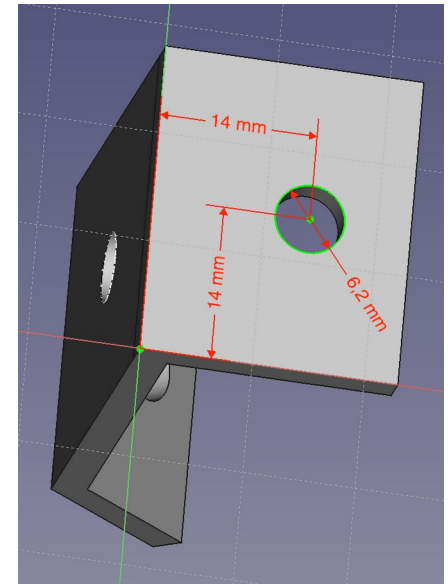
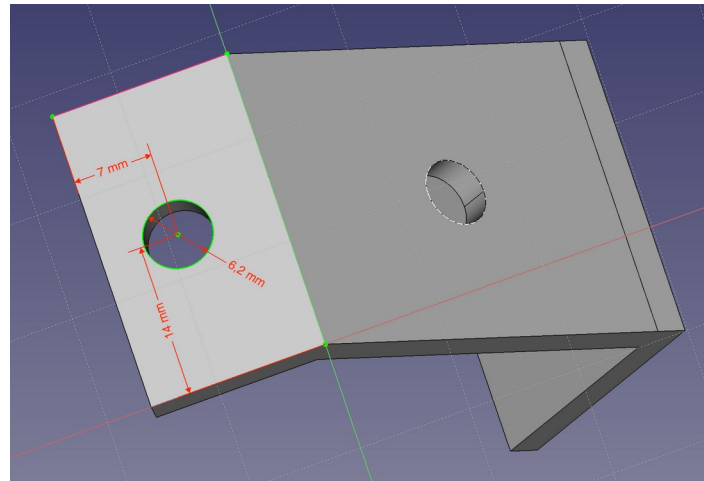
AMR

Parts manufacturing



Units: 4 + 4

Assembly: Chassis Top, Chassis Bottom

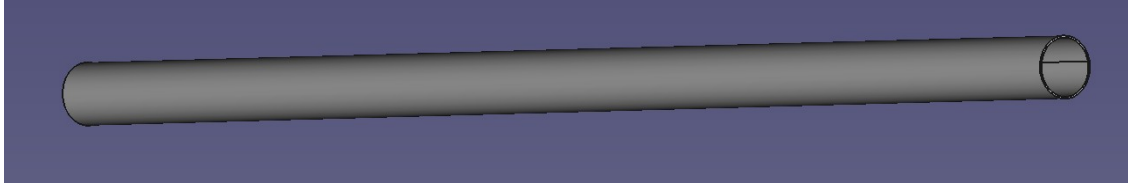


P0430 Clutch axel (tube 410x16mm)

Length: 210mm, diameter: 16mm, wall: 0,5mm
Cut angle: 90deg both sides
Units: 1
Assembly: Clutch set

P0435 Balancing axel (tube 390x16mm)

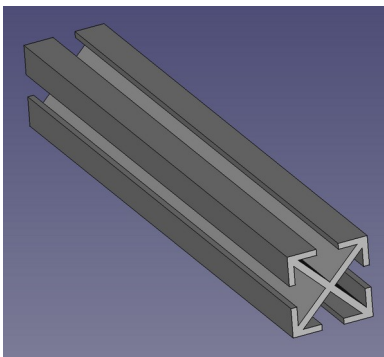
Length: 210mm, diameter: 16mm, wall: 0,5mm
Cut angle: 90deg both sides
Units: 1
Assembly: Balancing axel set



P0390 Clutch lever (100x5mm bar)

Length: 100mm, diameter: 5mm
Cut angle: 90deg both sides
Units: 1
Assembly: Clutch set





P0155 30x30 339 mm profile flat cut

Units: 2 + 2

Assembly: Chassis Top, Chassis Bottom

P0170 30x30_200mm profile flat cut

Units: 4

Assembly: Chassis Middle

P0175 30x30_60mm profile flat cut

Units: 2

Assembly: Set limit motors Top



P0160 30x30 204mm profile 22,5deg cut

Length long side: 204mm

Cut angle: 22,5deg both sides

Units: 4 + 4

Assembly: Chassis Top, Chassis Bottom

P0165 30x30 138mm profile 22,5deg cut

Length long side: 138mm

Cut angle: 22,5deg both sides

Units: 4 + 4

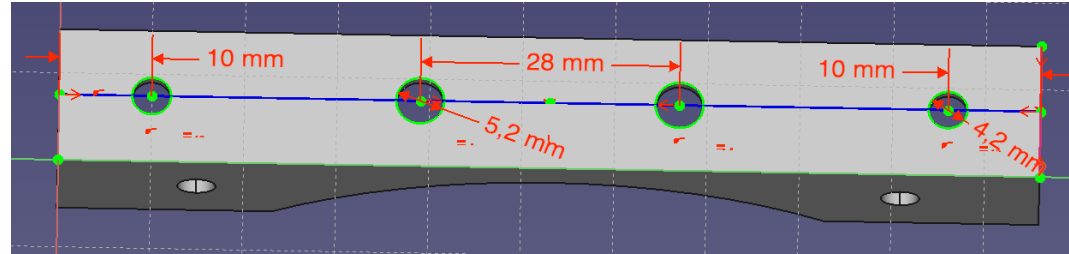
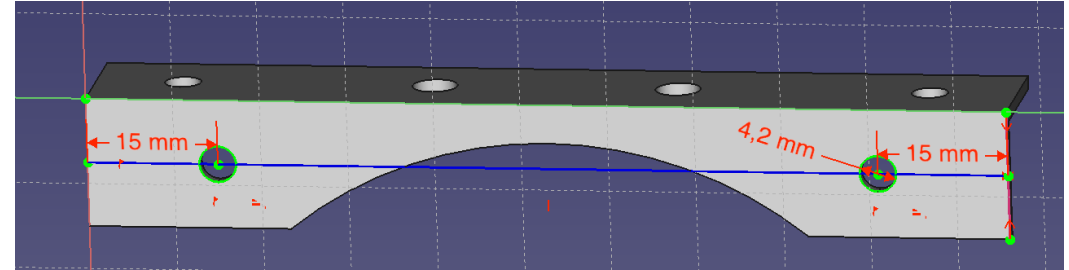
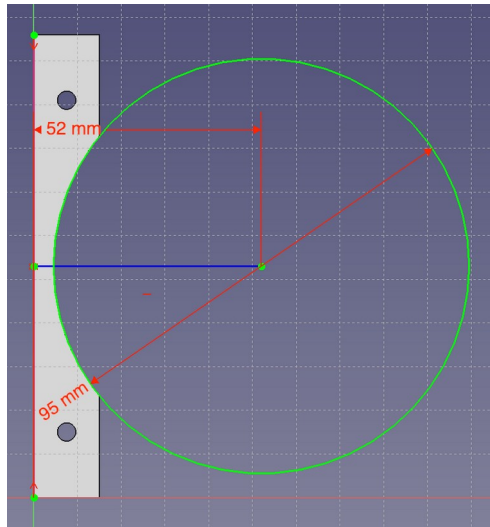
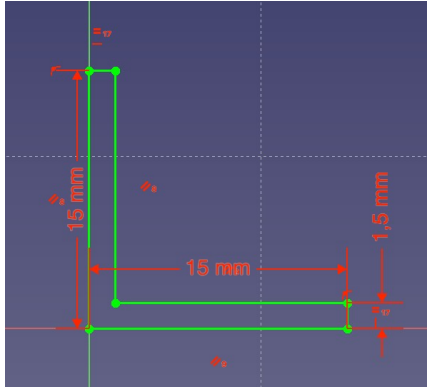
Assembly: Chassis Top, Chassis Bottom

NOTE: In the 4 units for "Chassis Bottom" make an 8,2mm hole in the middle for caster wheels

Source model for all: "30x30 profile" / 30x30 profiles.FCStd

P0185

Alu Profile L shape 15x15x1,5 106mm

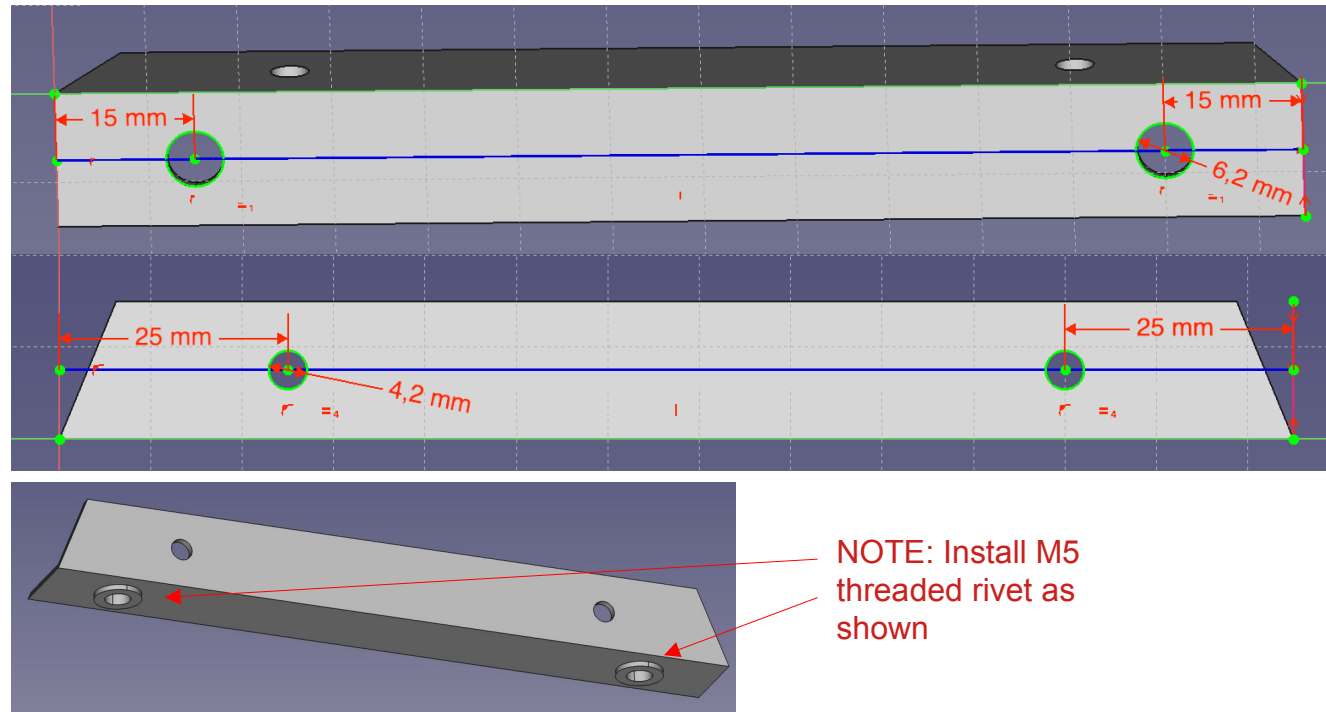
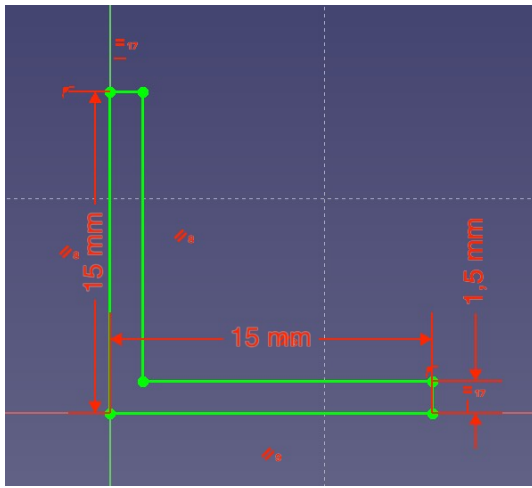


Length long side: 206mm

Cut angle: 90deg

Units: 1+1

Assembly: Laser beam area – Bottom, Laser beam area – Top



NOTE: Install M5 threaded rivet as shown

P0190 Alu Profile L shape 15x15x1,5
135mm 22,5 deg

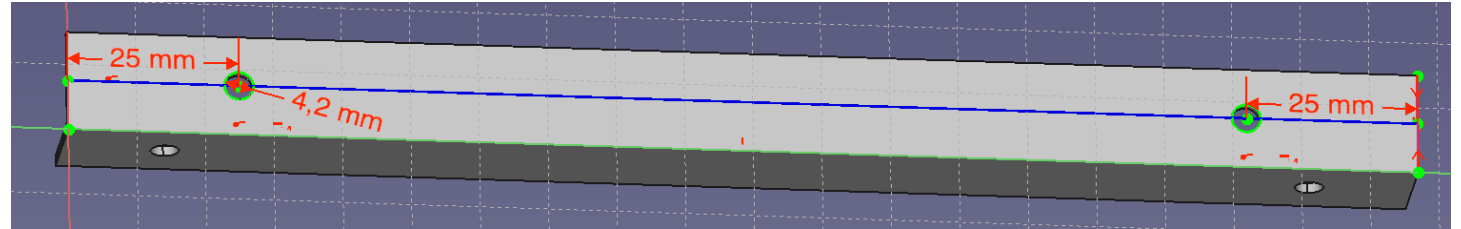
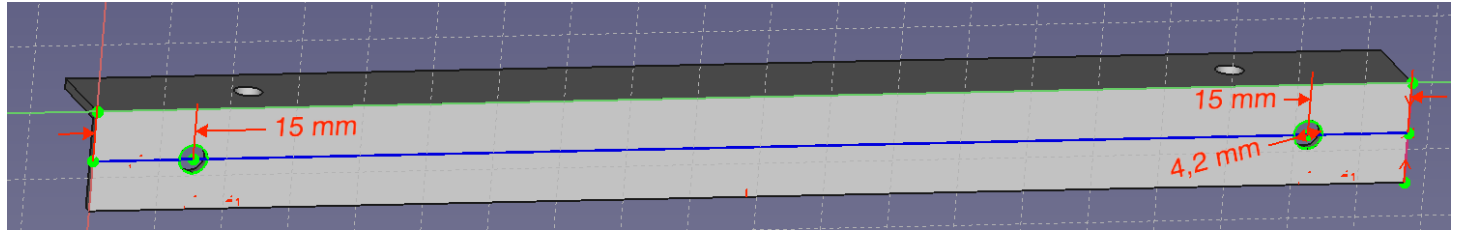
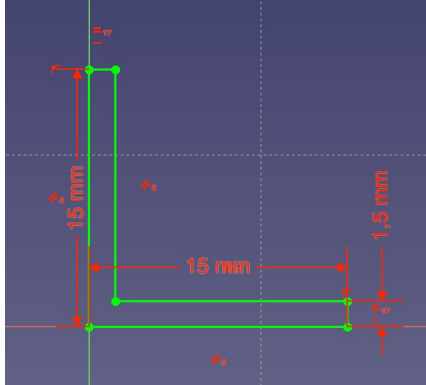
Length long side: 135mm
Cut angle: 22,5deg both sides
Units: 2 + 2
Assembly: Laser beam area – Bottom, Laser beam area – Top

P0195 Alu Profile L shape 15x15x1,5
137,5mm 22,5deg

Length long side: 137,5mm
Cut angle: 22,5deg both sides
Units: 2 + 2
Assembly: Laser beam area – Bottom, Laser beam area – Top

P0200

Alu Profile L shape 15x15x1,5 197mm



Length long side: 197mm

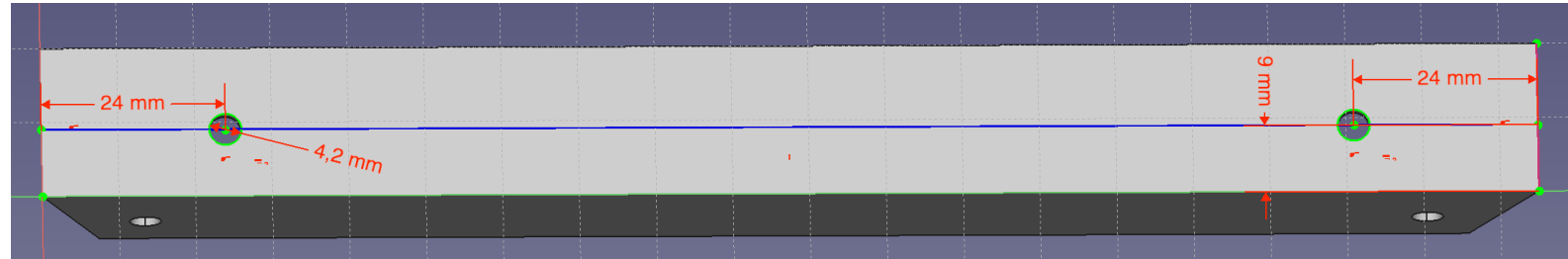
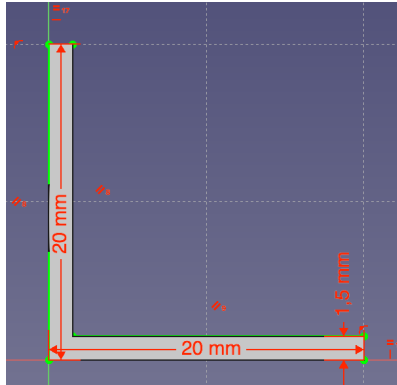
Cut angle: 90deg both sides

Units: 2

Assembly: Laser beam area – Top

P0205

Aluminum Profile L shape 20x20x1,5 195mm 22,5 deg



Length long side: 195mm

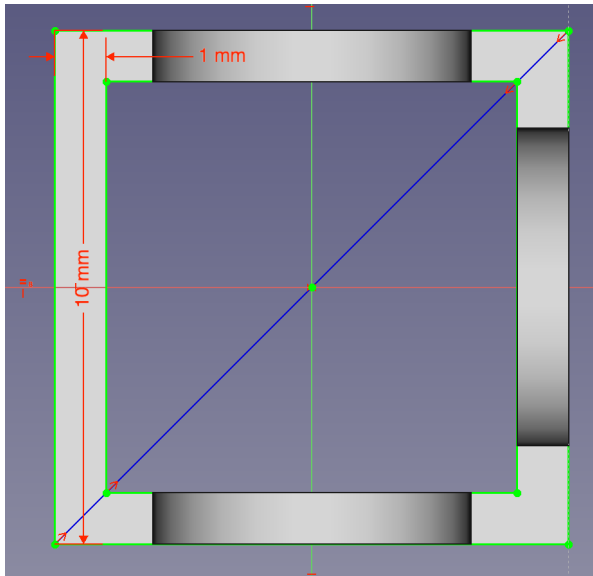
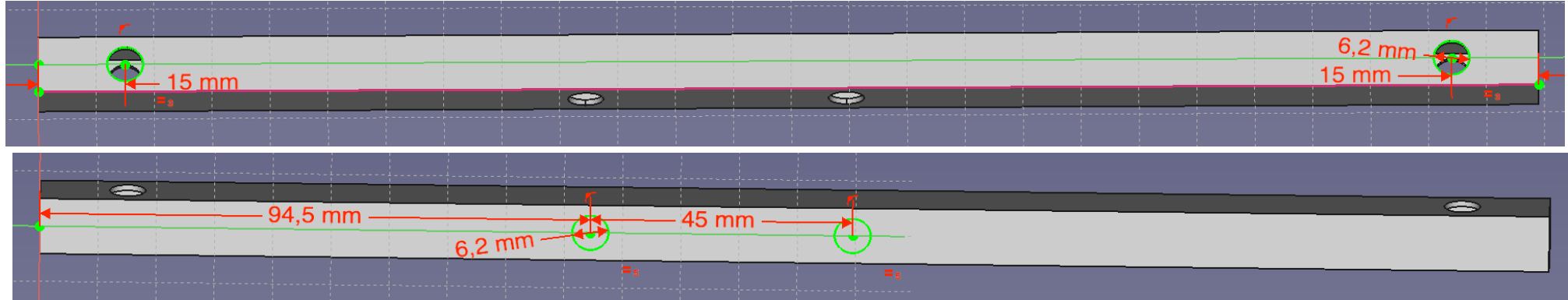
Cut angle: 22,5deg both sides

Units: 2

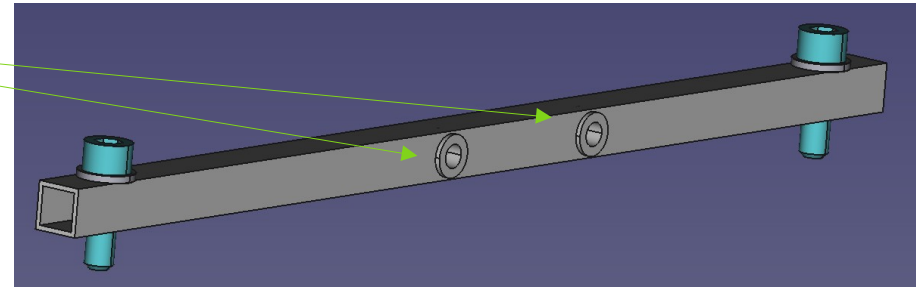
Assembly: Laser beam area – Bottom

P0215

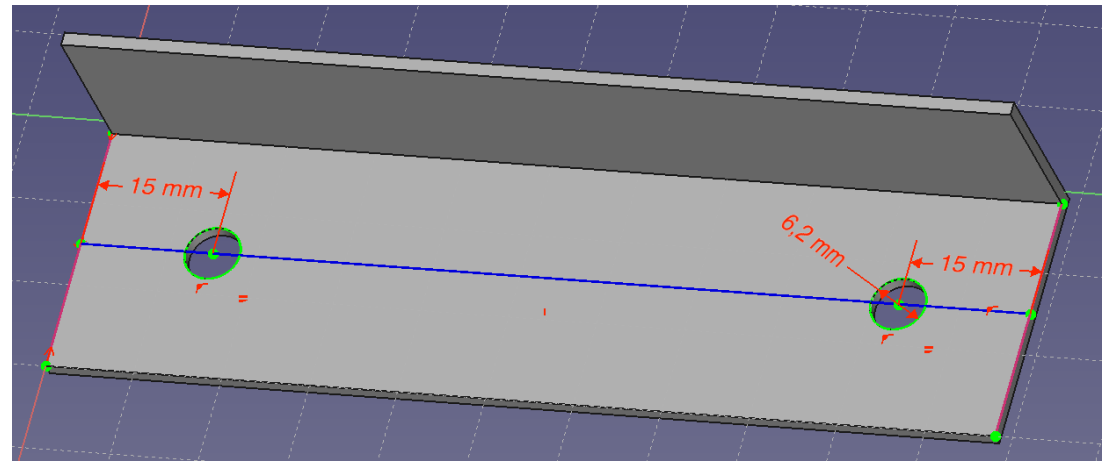
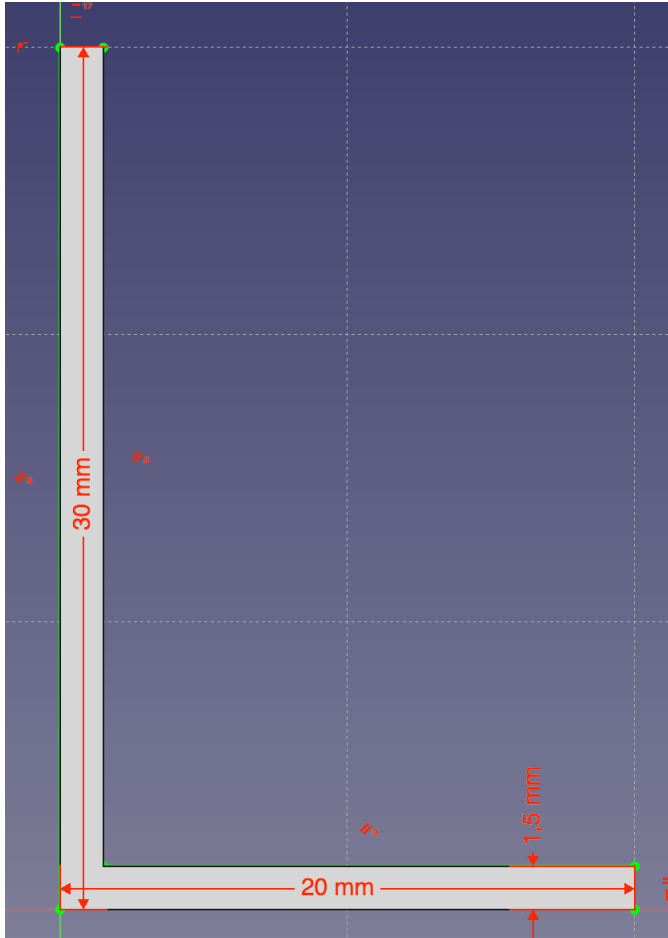
Alu Profile square 10x10x1 259mm with holes



NOTE: Install M5 threaded rivet as shown

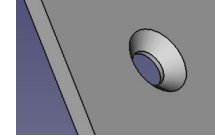


Length long side: 259mm
Cut angle: 90deg both sides
Units: 2
Assembly: Chassis Middle



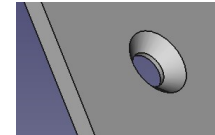
P0220 Aluminum Profile L shape 30x20x1,5 250mm

Length long side: 250mm
 Cut angle: 90deg both sides
 Units: 2
 Assembly: Batteries support



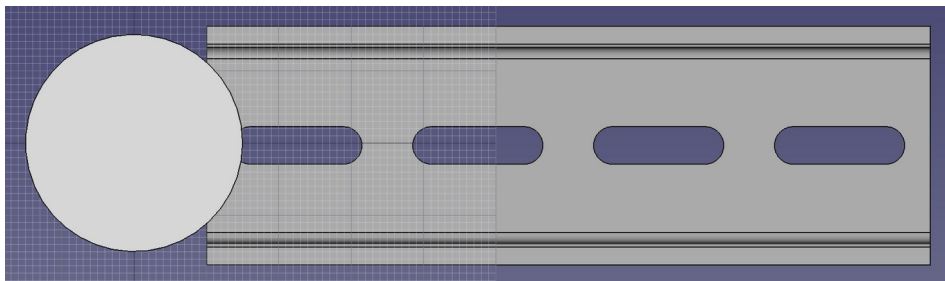
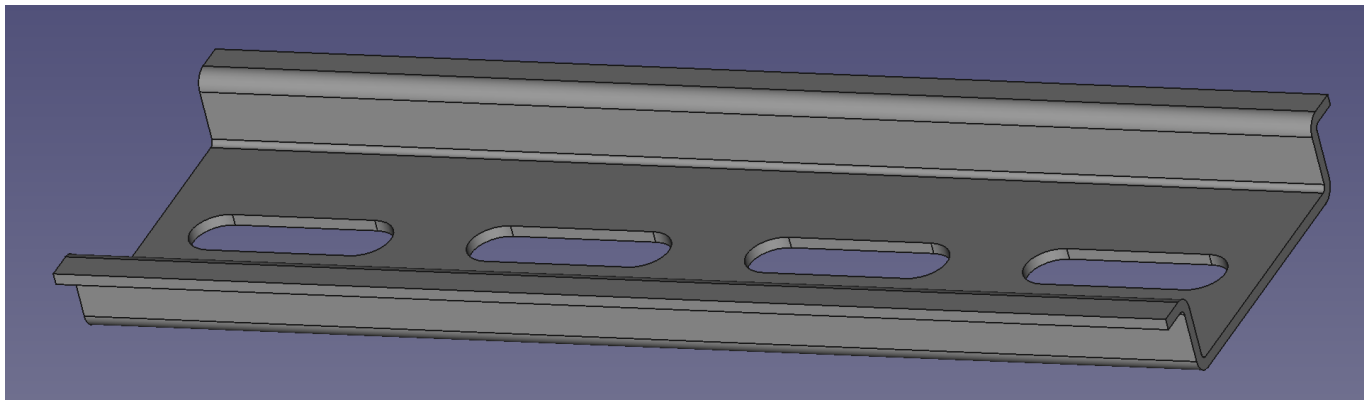
P0230 Aluminum Profile L shape 30x20x1,5 98mm

Length long side: 98mm
 Cut angle: 90deg both sides
 Units: 2
 Assembly: Batteries support



P0445

DIN Rail 260mm



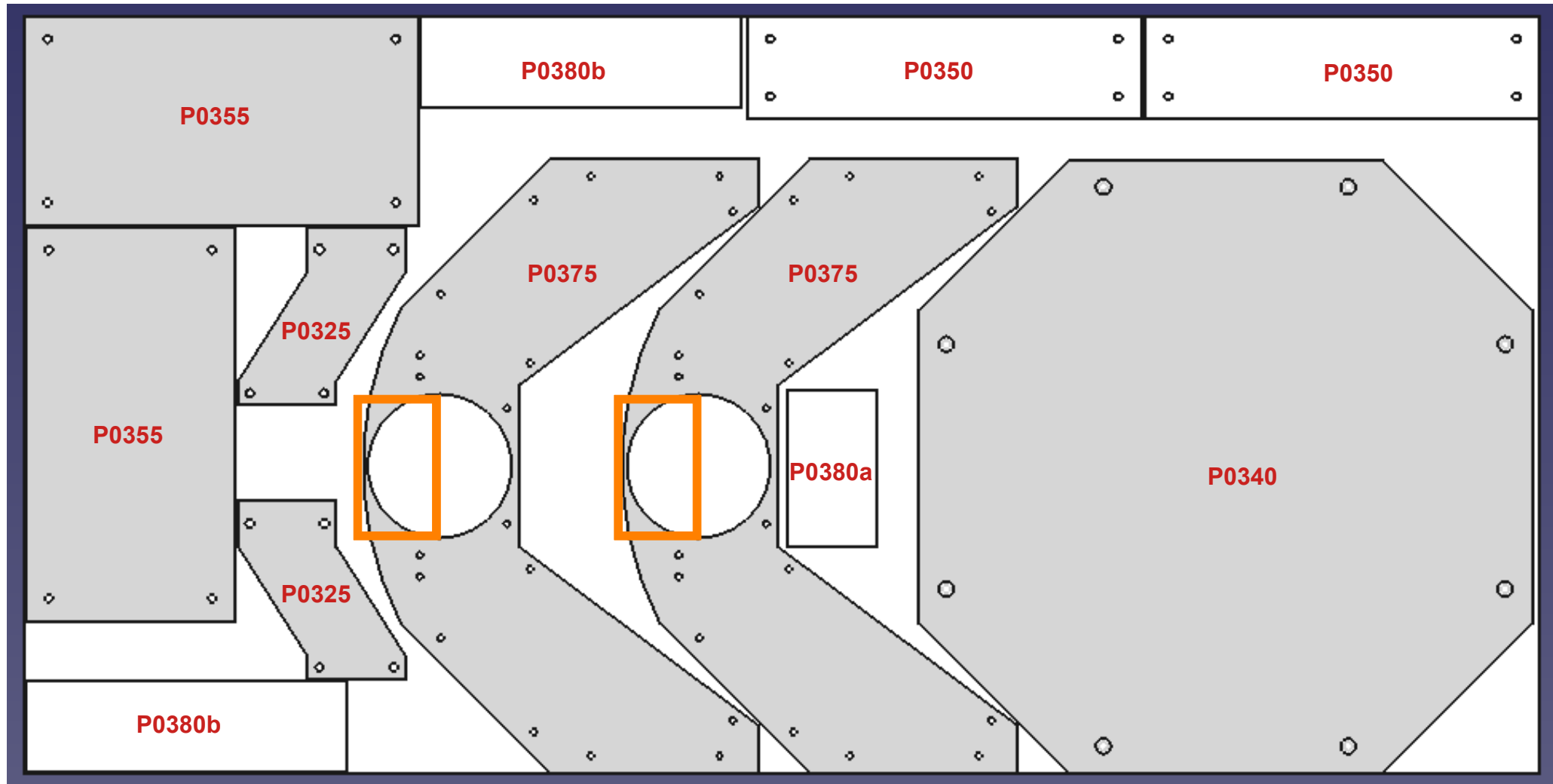
Length: 260mm

















Cut angle: 90deg both sides

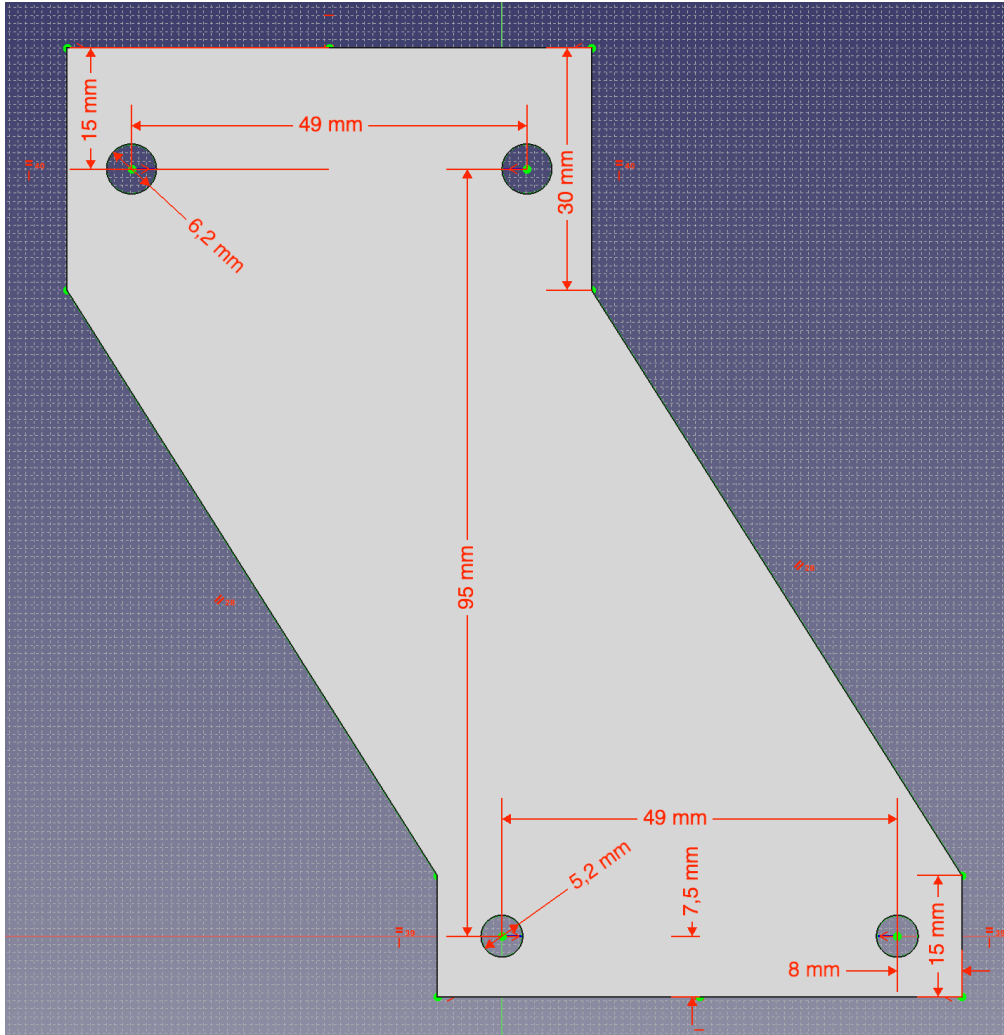
Units: 1

Assembly: Flexisoft set

NOTE: AGV_Soporte_motor_D (30mm diameter) overlaps 7mm



| | | | |
|--|--|--|--|
|   P0370 |   P0370 |   P0345 |   P0345 |
|   P0360 |   P0360 |   P0365 |   P0365 |



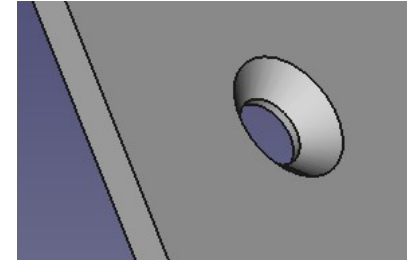
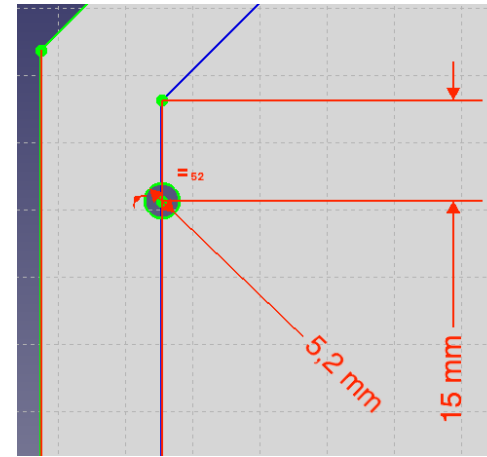
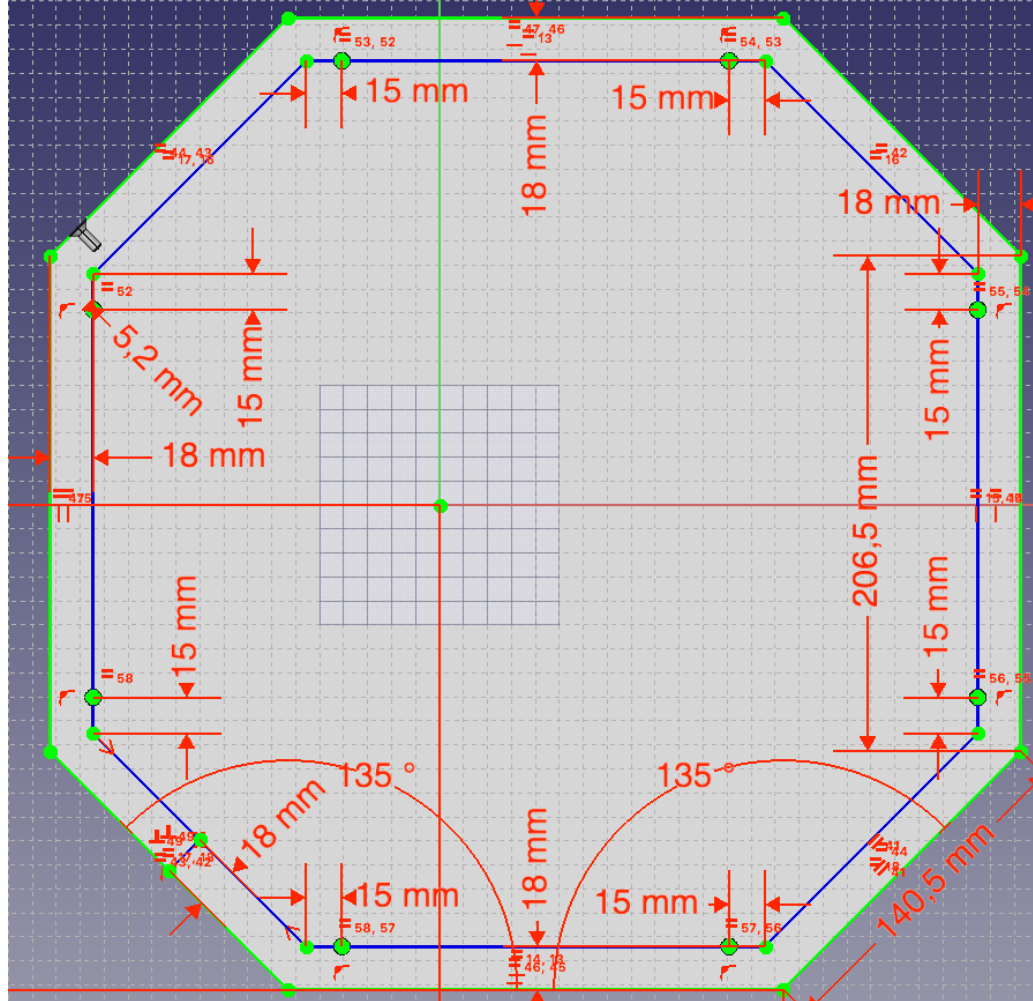
Source: Plastic sheet 3mm

Units: 2

Assembly: Laser Set

P0340

PVC 3mm piece: Top cover

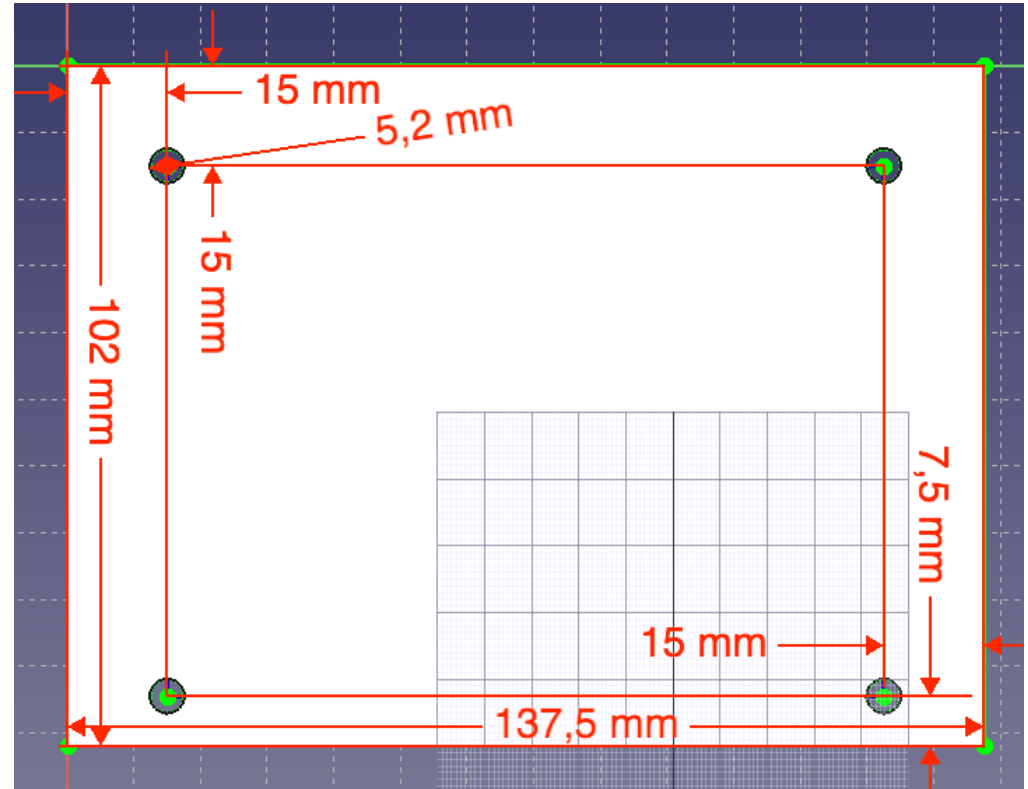
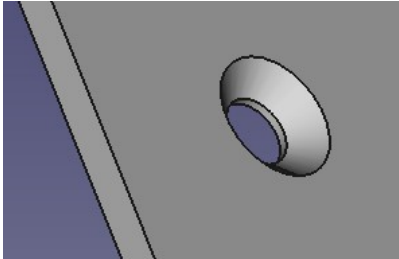


Source: Plastic sheet 3mm, 405x405mm
Color: Gray
Units: 1
Assembly: Top cover set

P0345

PVC 3mm piece: Front Side-Bottom Cover

Source: Plastic sheet 3mm
Color: White
Units: 2
Assembly: Sides cover Set



P0370

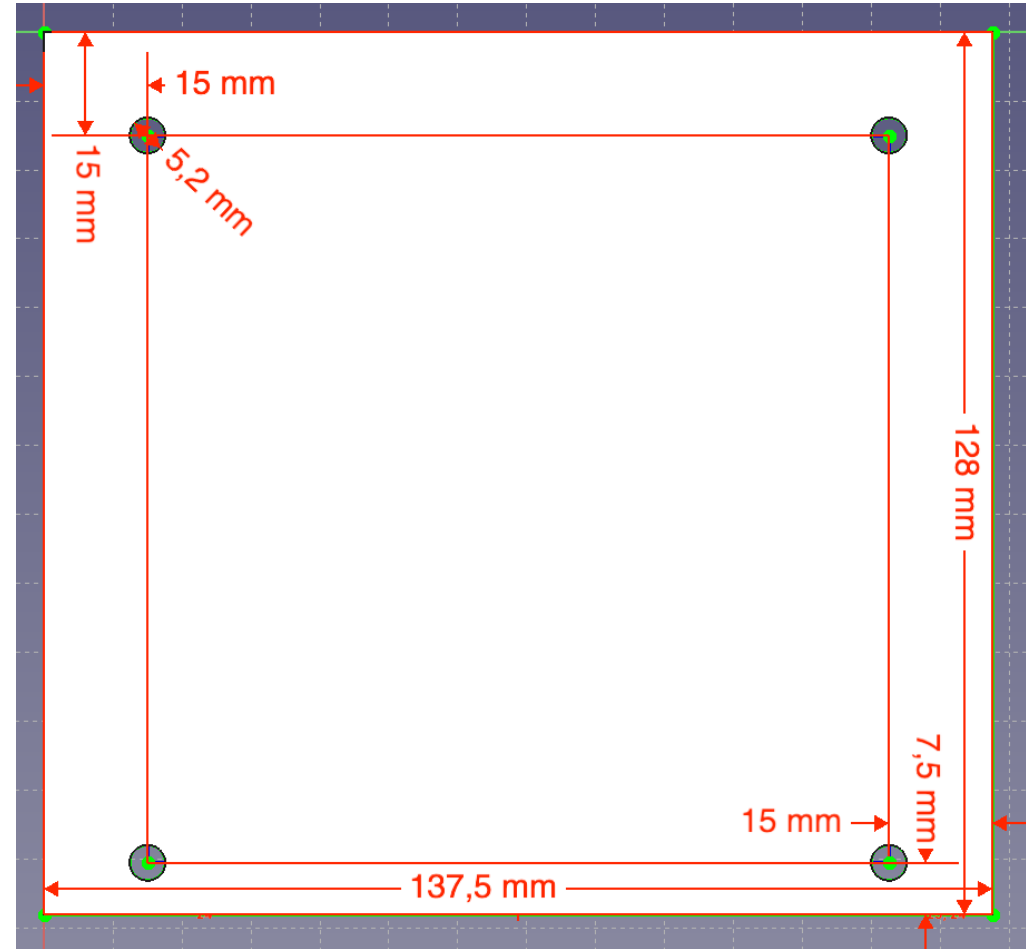
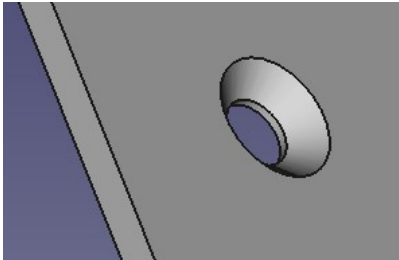
PVC 3mm piece: Front Side-Top Cover

Source: Plastic sheet 3mm

Color: White

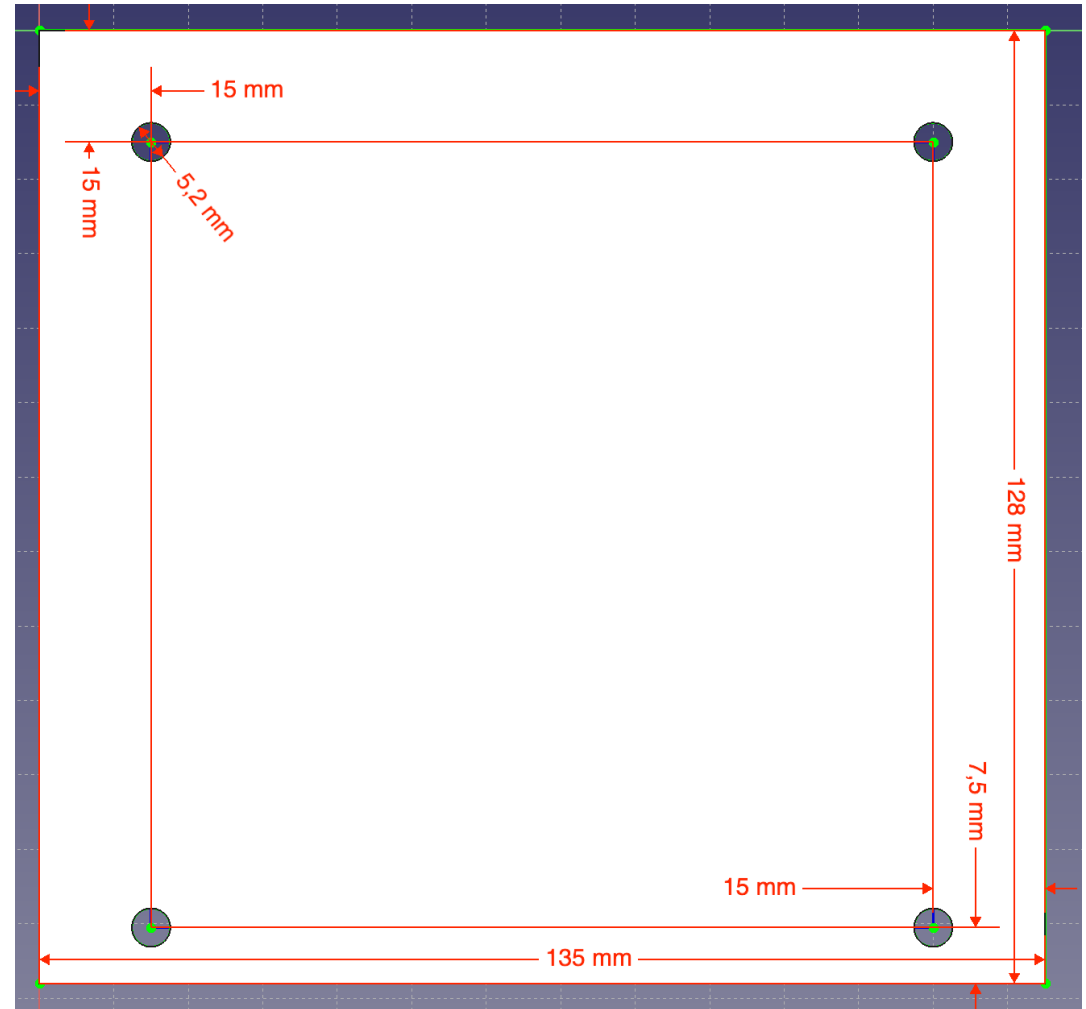
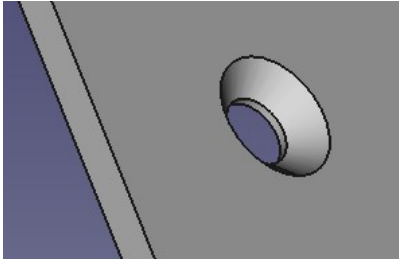
Units: 2

Assembly: Sides cover Set



Source Model: "Front Side-Top Cover" / AGV-Parts v4.FCStd

Assembly: Sides cover Set



Source Model: "Lateral-Top Cover" / AGV-Parts v4.FCStd

P0365

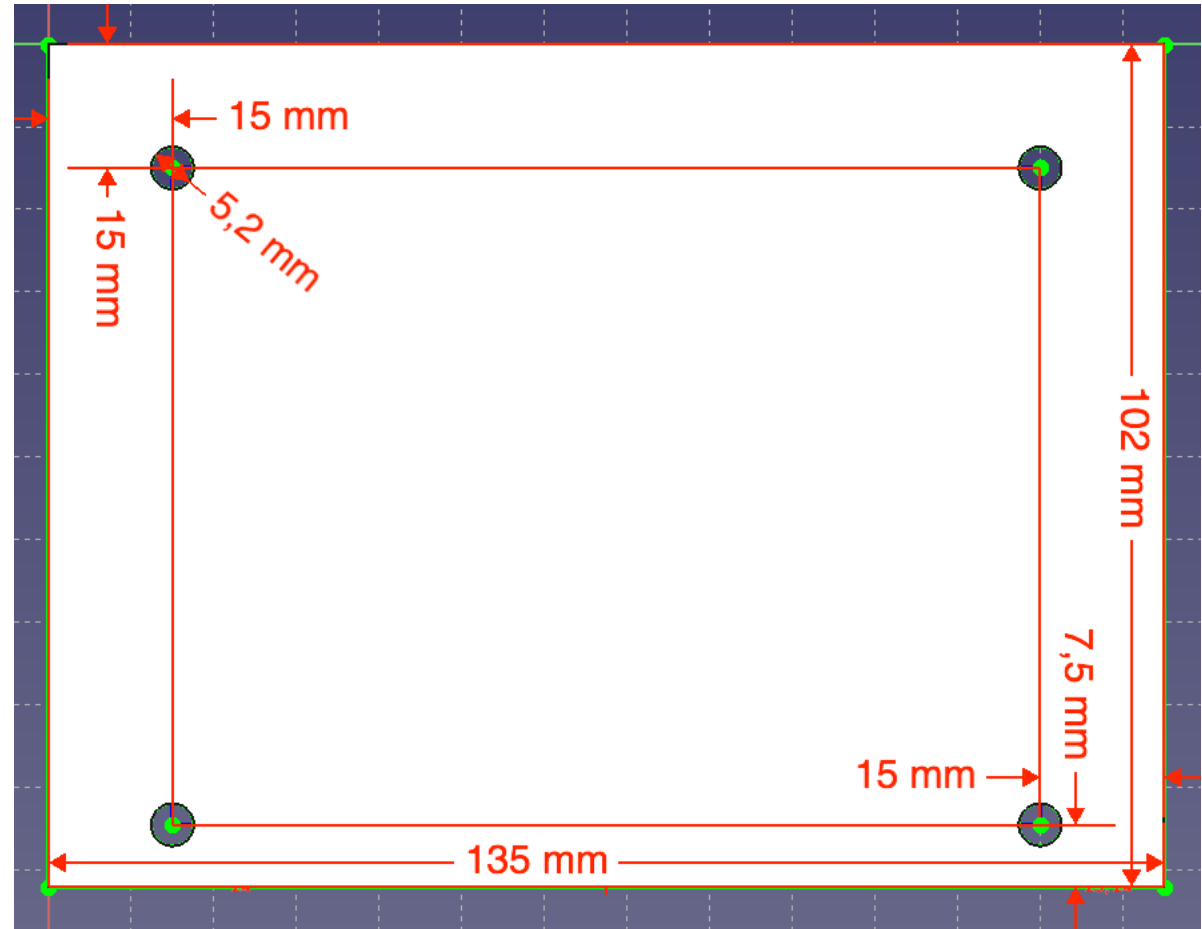
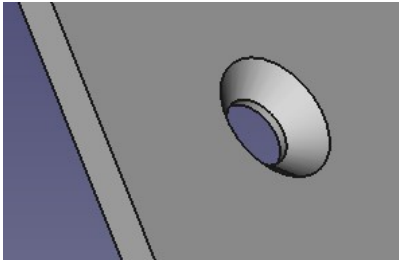
PVC 3mm piece: Lateral-Bottom Cover

Source: Plastic sheet 3mm

Color: White

Units: 2

Assembly: Sides cover Set



P0350

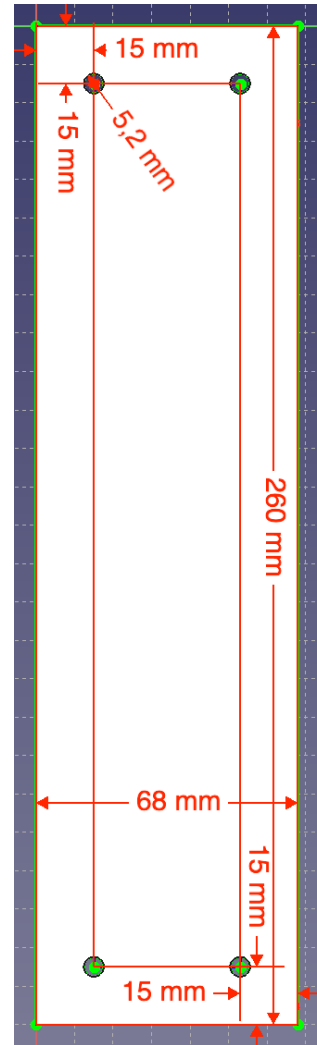
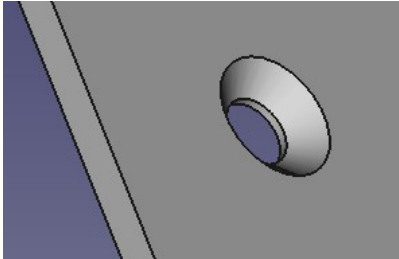
PVC 3mm piece: Lateral-Back Cover

Source: Plastic sheet 3mm

Color: Gray

Units: 2

Assembly: Sides cover Set



Source Model: "Lateral-Back Cover" / AGV-Parts v4.FCStd

P0355

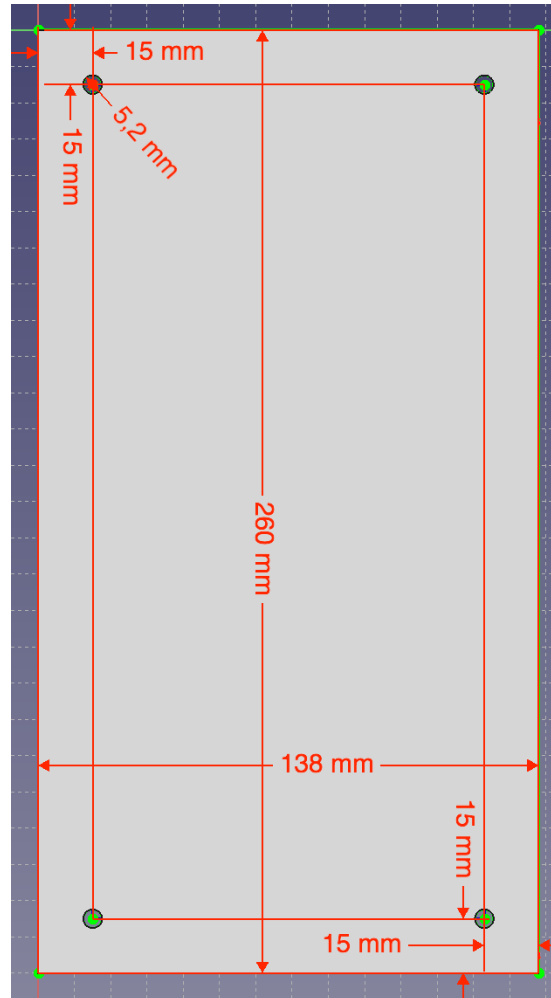
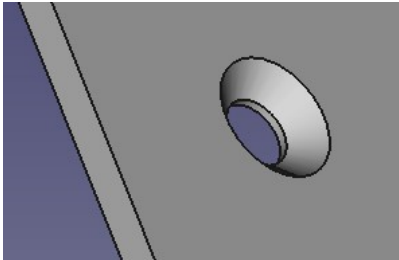
PVC 3mm piece: Back Side Cover

Source: Plastic sheet 3mm

Color: Gray

Units: 2

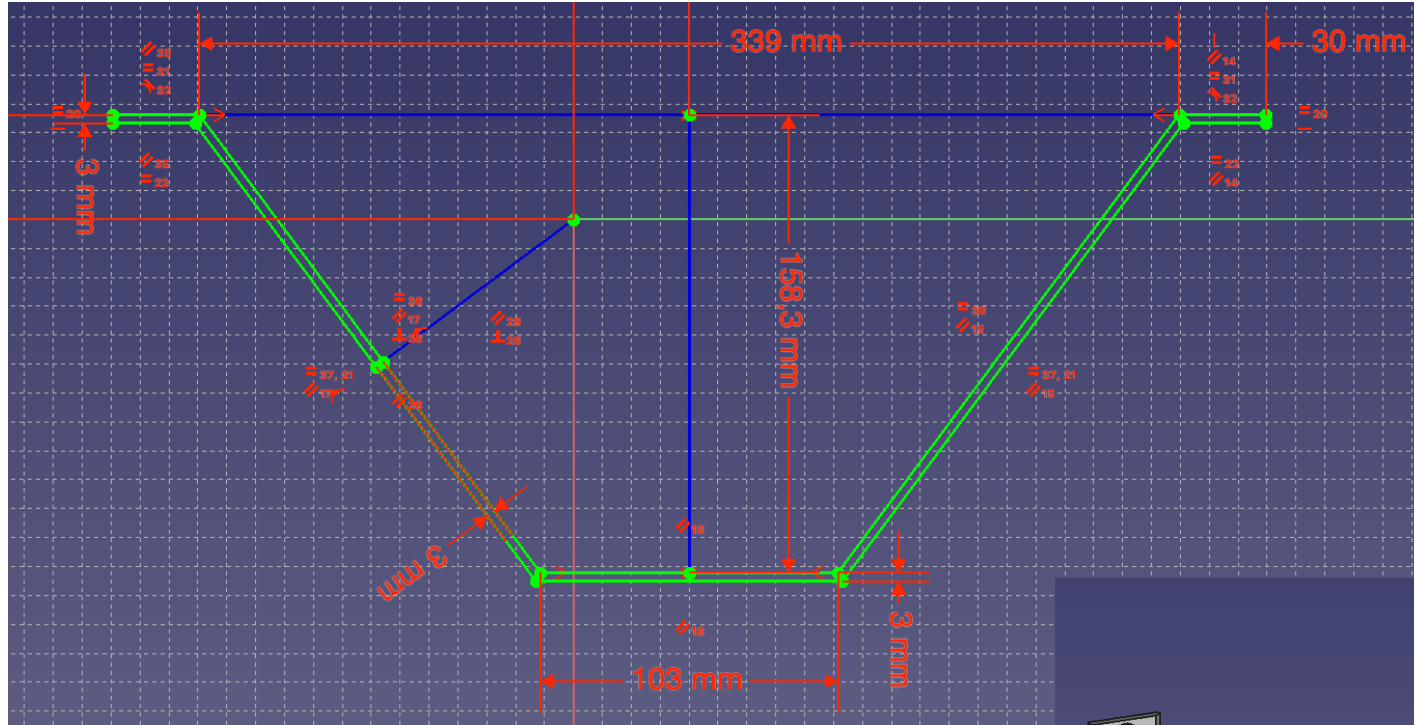
Assembly: Sides cover Set



Source Model: "Back Side Cover" / AGV-Parts v4.FCStd

P0380

PVC 3mm piece: Inside wall (Part 1)

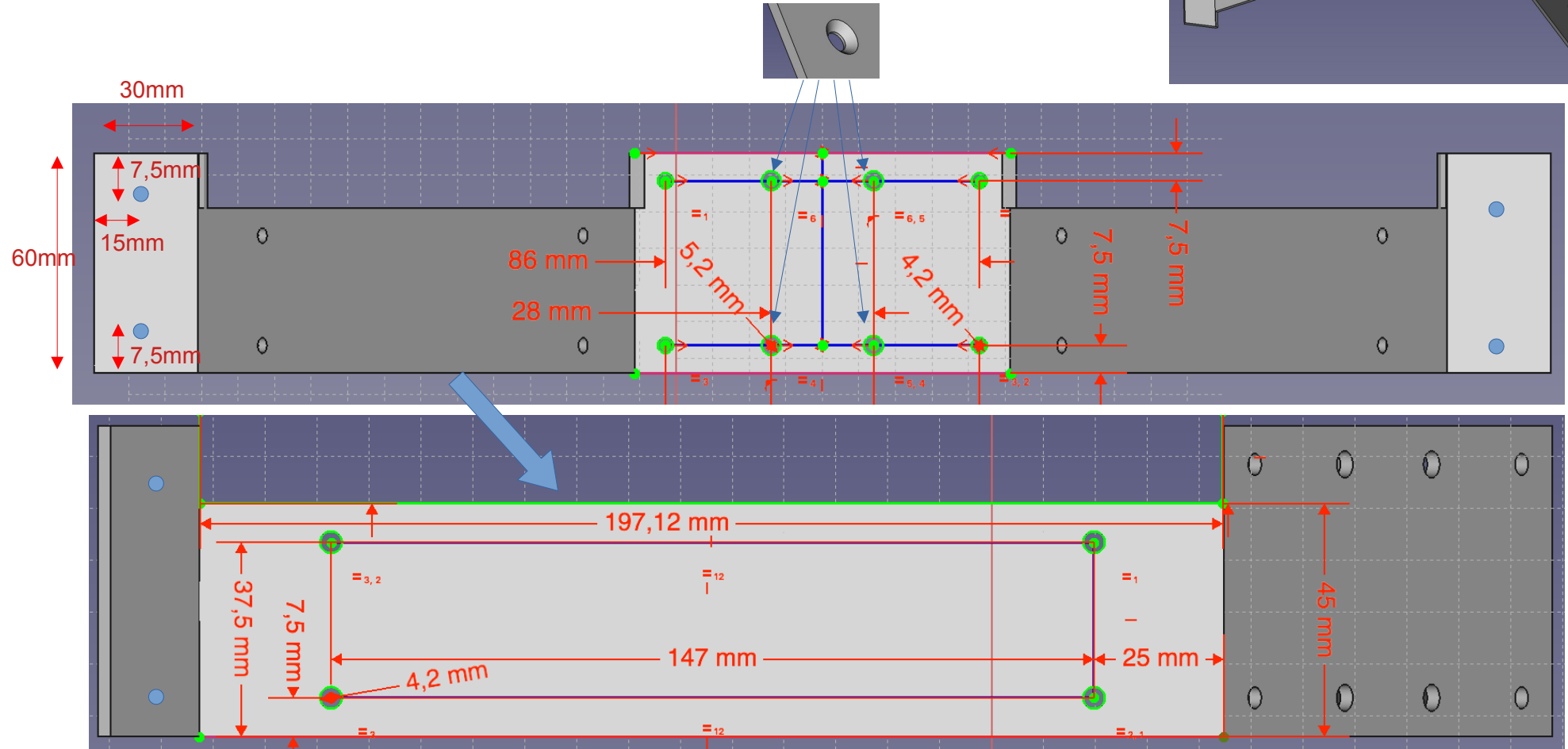
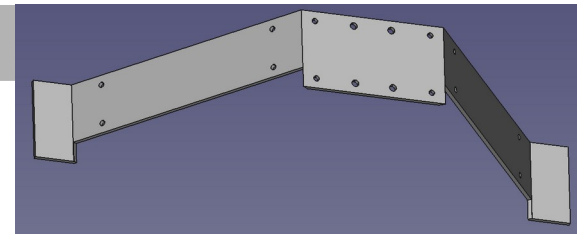


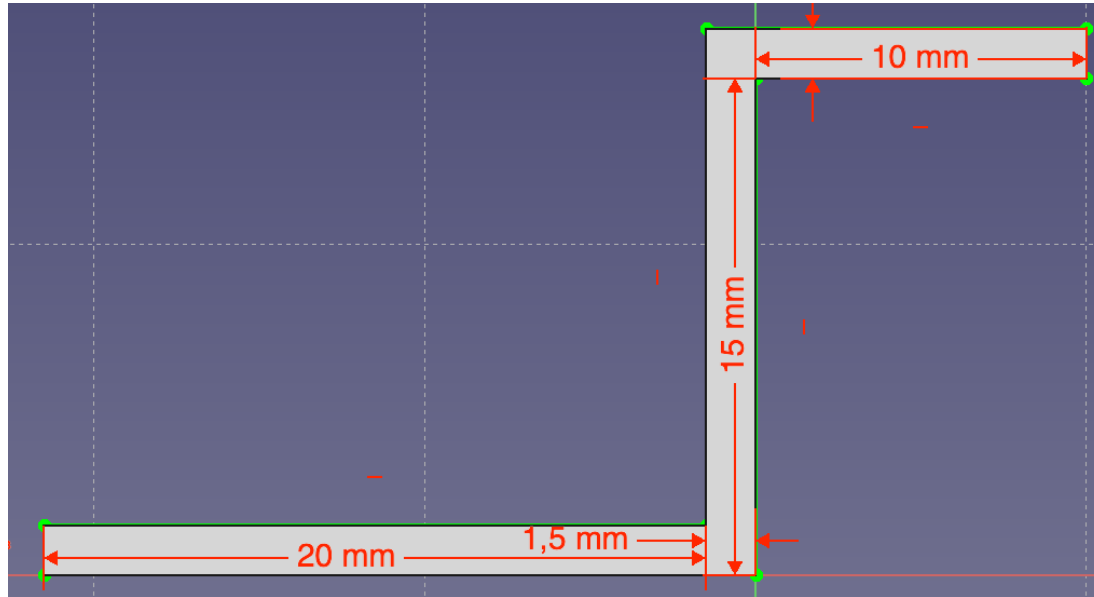
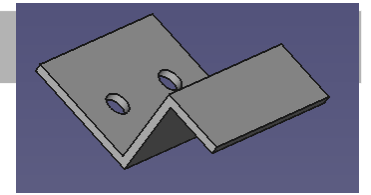
Source: Plastic sheet 3mm
Color: Gray
Units: 1
Assembly: Sides cover Set

NOTES:

Could be done in one long piece (530x60), or split in three:

- Central part (from piece 103x60mm)
- 2 Side parts (from 2 pieces 212x60mm)

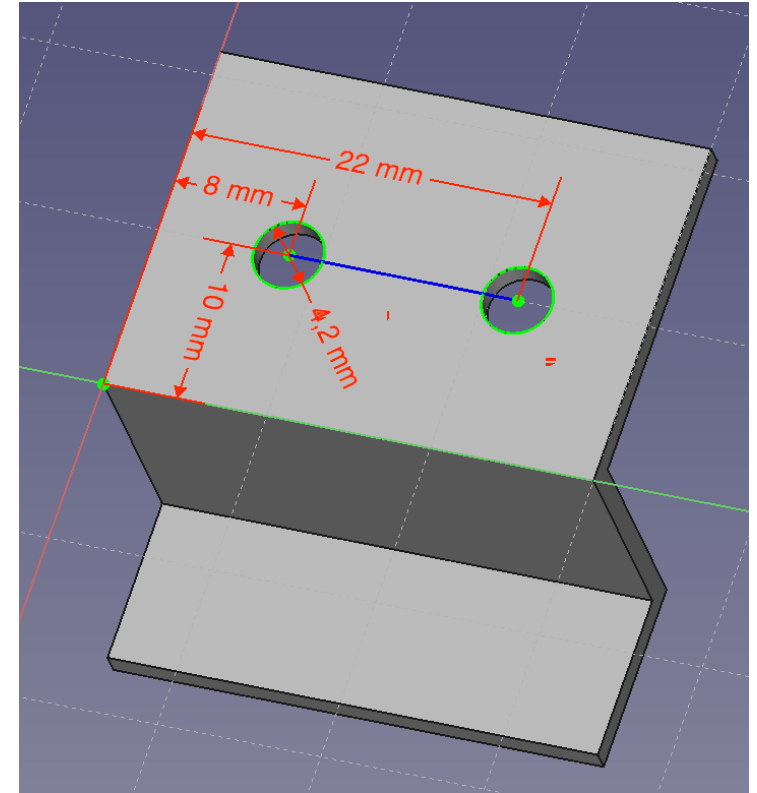


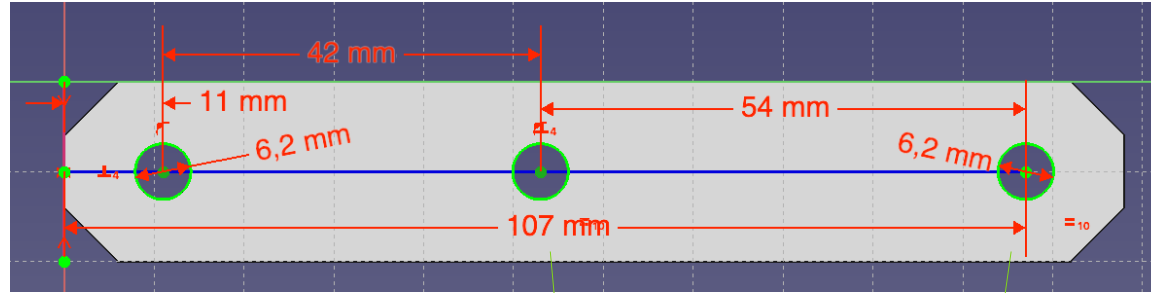


Source: Aluminum sheet 30x1,5mm

Units: 2 + 2

Assembly: Laser beam area – Bottom / Laser beam area – Top

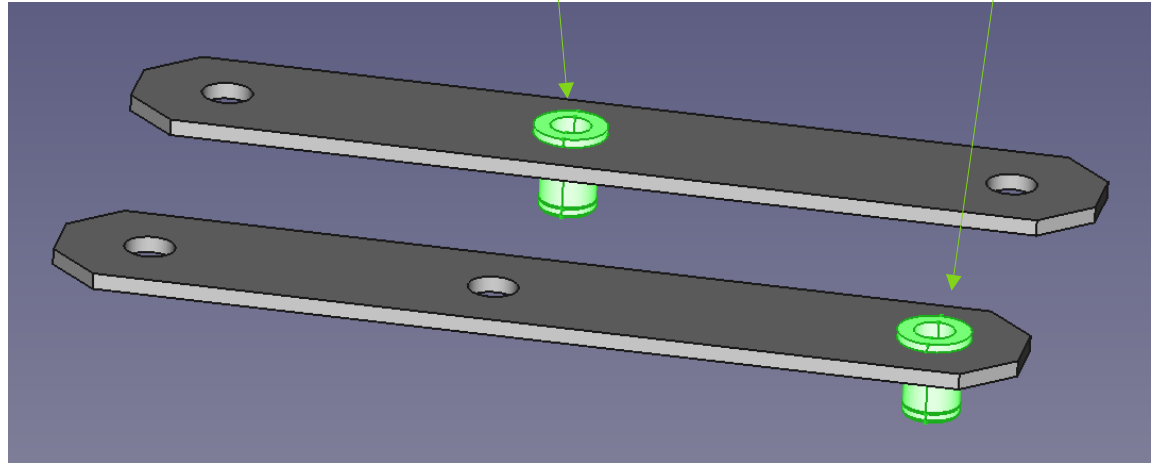




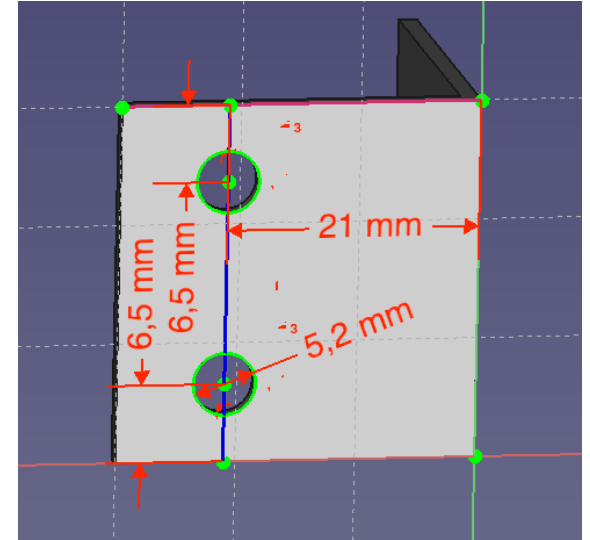
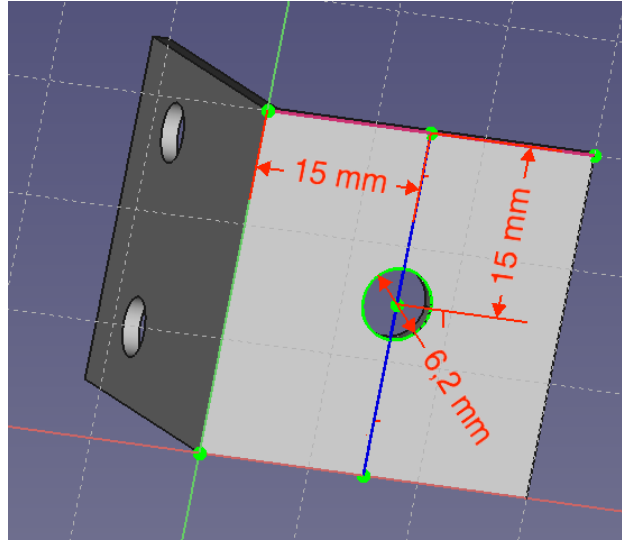
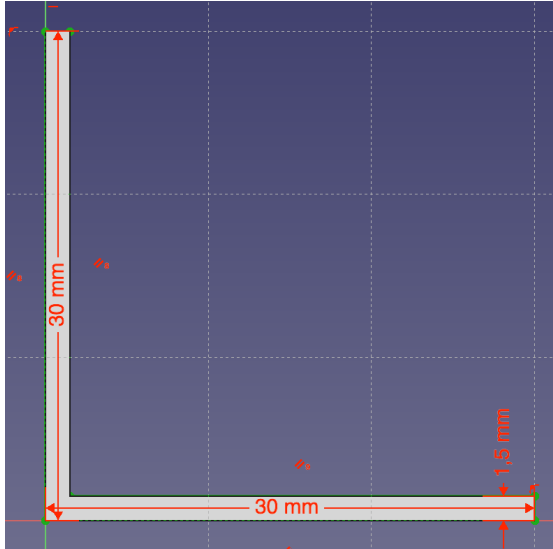
Source: Aluminum sheet 20x118x1,5mm

Units: 2

Assembly: Drives set



Install 2 M5 threaded rivets as shown in the picture.
Each piece has the rivet in a different hole.



Source: Aluminum sheet 30x1,5mm
Units: 2
Assembly: RFID Set



NOTE: Install M4 threaded rivet as shown (note it is in different hole in each piece)

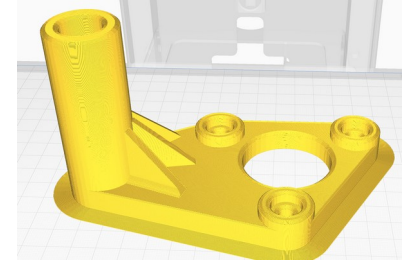
P0290 AGV_Soporte_motor_D

Units: 1, **Printer file:** AGV_Soporte_motor_D_v1.gcode

Material: PLA, **Color:** Gray, **Weight:** 44g, **Printing time:** 2h 33m

Assembly: Motors+Encoders

Source Model: "AGV_Soporte_motor_D" / AGV_Soporte_motor_D_v1.FCStd



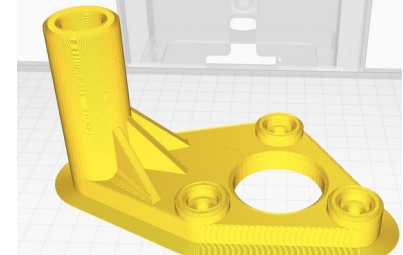
P0295 AGV_Soporte_motor_I

Units: 1, **Printer file:** AGV_Soporte_motor_I_v4.gcode

Material: PLA, **Color:** Gray, **Weight:** 44g, **Printing time:** 2h 33m

Assembly: Motors+Encoders

Source Model: "AGV_Soporte_motor_I" / AGV_Soporte_motor_I_v4.FCStd



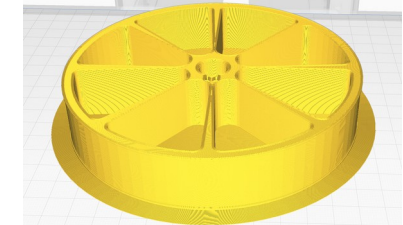
P0300 AGV_Rueda

Units: 2, **Printer file:** AGV_Rueda_v3.gcode

Material: PLA, **Color:** Gray, **Weight:** 44g, **Printing time:** 4h

Assembly: Motors+Encoders

Source Model: "AGV_Rueda" / AGV_Rueda_v3.FCStd



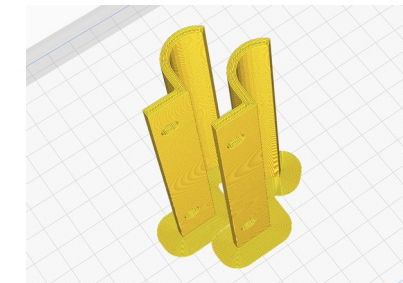
P0260 Axel clamp

Units: 1 + 1, **Printer file:** Axel clamp x2.gcode (*2 units at once*)

Material: PLA, **Color:** Gray, **Weight:** 20g, **Printing time:** 1h 13m

Assembly: Balancing axel set, Clutch set

Source Model: "Axel clamp" / Axel clamp.FCStd



| | |
|-------|------------------------------------|
| P0250 | 16mm axel corner clamp side a long |
| P0255 | 16mm axel corner clamp side b long |

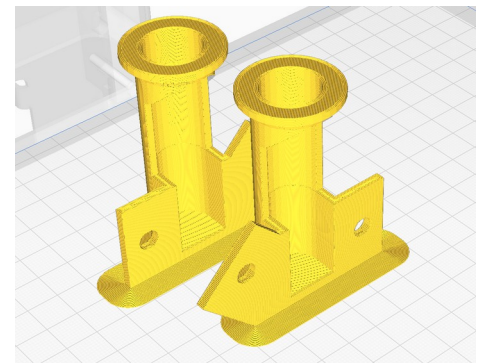
Units: 1a & 1b, **Printer file:** 16mm axel corner clamp side a_b long.gcode (both in one)

Material: PLA, **Color:** Gray, **Weight:** 21g, **Printing time:** 1h 24m

Assembly: Balancing axel set

Source Model: "16mm axel corner clamp side a long" / AGV_Clamp_eje_bal_v3.FCStd

Source Model: "16mm axel corner clamp side b long" / AGV_Clamp_eje_bal_v3.FCStd



| | |
|-------|--------------|
| P0265 | Clutch-cam A |
| P0270 | Clutch-cam B |

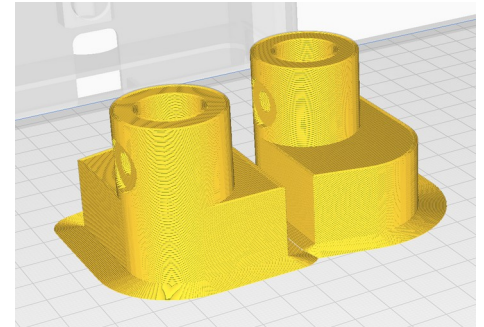
Units: 1A & 1B, **Printer file:** Clutch Cam A and B.gcode (both in one)

Material: PLA, **Color:** Gray, **Weight:** 32g, **Printing time:** 1h 48m

Assembly: Clutch set

Source Model: "Clutch-cam A" / Clutch Cam A and B.FCStd

Source Model: "Clutch-cam B" / Clutch Cam A and B.FCStd



| | |
|-------|---------------------|
| P0275 | Clutch axel cap |
| P0280 | Clutch axel clamp A |
| P0285 | Clutch axel clamp B |

Units: 1 & 1A & 1B, **Printer file:** Clutch axel clamps and cap.gcode (all in one)

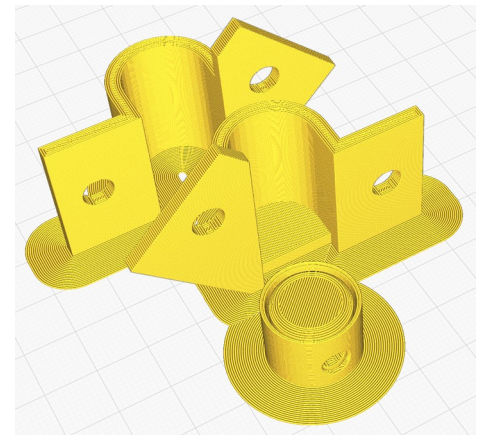
Material: PLA, **Color:** Gray, **Weight:** 14g, **Printing time:** 56m

Assembly: Clutch set

Source Model: "Clutch axel clamp A" / Clutch axel clamps.FCStd

Source Model: "Clutch axel clamp B" / Clutch axel clamps.FCStd

Source Model: "Clutch axel cup" / Clutch axel cup.FCStd



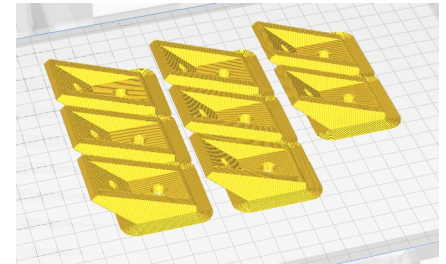
P0011 135 degree bracket

Units: 4 + 4, **Printer file:** 135deg bracket type 002 x8.gcode (x8 parts)

Material: PLA, **Color:** Gray, **Weight:** 63g, **Printing time:** 4h 18m

Assembly: Chassis Top, Chassis Bottom

Source Model: "135 degree bracket type 002" / 135 degree bracket.FCStd



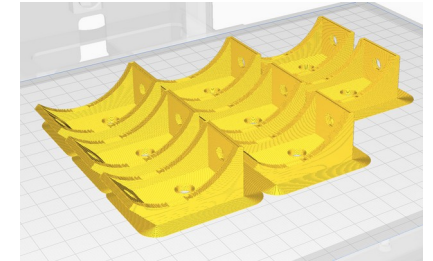
P0016 135deg_small_braket M6 3holes

Units: 4 + 4, **Printer file:** 135deg_small_braket M6 3holes type 002 x8.gcode (x8 parts)

Material: PLA, **Color:** Gray, **Weight:** 60g, **Printing time:** 4h 5m

Assembly: Chassis Top, Chassis Bottom

Source Model: "135deg_small_braket M6 3holes " / 135degree_small_braket v2.FCStd



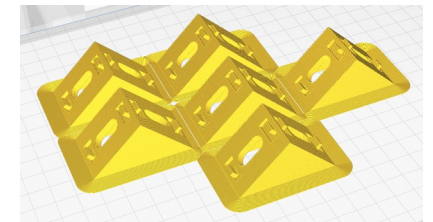
P0021 90 degree bracket

Units: 4 + 2, **Printer file:** 30x30 corner bracket type 002 x6.gcode (x6 parts)

Material: PLA, **Color:** Gray, **Weight:** 48g, **Printing time:** 3h 26m

Assembly: Chassis Middle, Set limit motors Top

Source Model: "30x30 corner bracket type 002" / AGV-Parts v4.FCStd



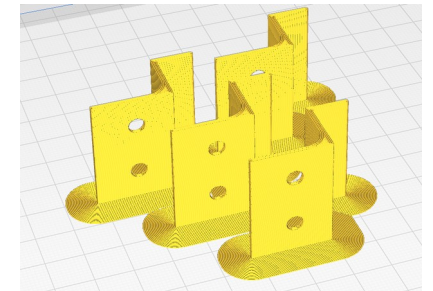
P0411 Bracket front laser

Units: 2 + 2, **Printer file:** Bracket Front Laser type 002 x4.gcode (x4 parts)

Material: PLA, **Color:** Gray, **Weight:** 11g, **Printing time:** 45m

Assembly: Laser beam area – Bottom / Laser beam area – Top

Source Model: "Bracket Front Laser type 002" / AGV-Parts v4.FCStd



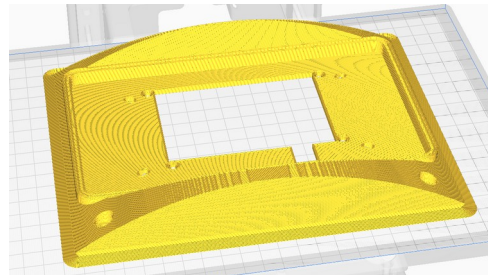
P0315 Back top Cover

Units: 1, **Printer file:** Back top Cover v2.gcode

Material: PLA, **Color:** White, **Weight:** 107g, **Printing time:** 6h 33m

Assembly: Back Cover Set

Source Model: "Back top Cover v2" / AGV-Parts v4.FCStd



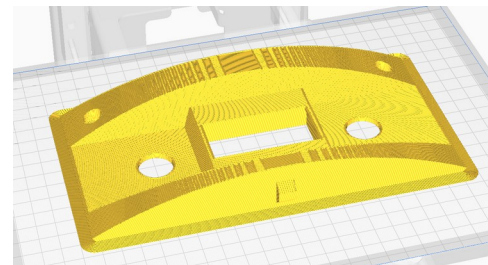
P0320 Back bottom Cover

Units: 1, **Printer file:** Back bottom Cover.gcode

Material: PLA, **Color:** White, **Weight:** 92g, **Printing time:** 5h 23m

Assembly: Back Cover Set

Source Model: "Back bottom Cover" / AGV-Parts v4.FCStd



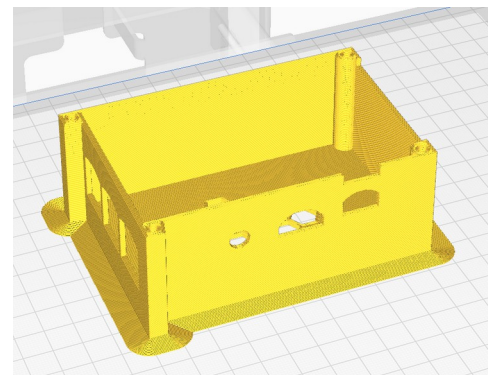
P0316 RPiBox

Units: 2, **Printer file:** RPiBox.gcode

Material: PLA, **Color:** White, **Weight:** 49g, **Printing time:** 3h 12m

Assembly: Back Cover Set

Source Model: "RPiBox" / AGV-Parts v4.FCStd



P0305

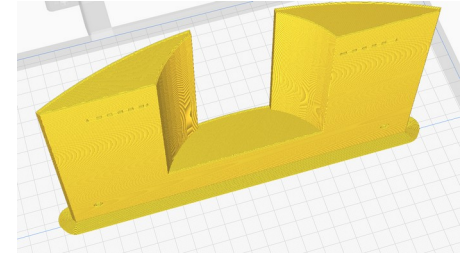
Front Top Cover

Units: 1, **Printer file:** Front Top Cover.gcode

Material: PLA, **Color:** White, **Weight:** 94g, **Printing time:** 5h

Assembly: Front Cover Set

Source Model: "Front Top Cover" / AGV-Parts v4.FCStd



P0310

Front Bottom Cover

Units: 1, **Printer file:** Front Bottom Cover.gcode

Material: PLA, **Color:** White, **Weight:** 96g, **Printing time:** 4h 50m

Assembly: Front Cover Set

Source Model: "Front Bottom Cover" / AGV-Parts v4.FCStd

