

Frame

Parts list

- Alu-extrusions
 - 4 x 400mm (20x40)
 - 4 x 300mm (20x40)
- 3D-printed parts
 - 8 x mcs_l-verbinder_stabil_60x60
 - 4 x mcs_endkappe_40x20
 - 12 x mcs_winkel_stabil_40x20
 - 2 x mcs_wuerfelverbinder_20x20
 - 2 x mcs_endkappe_60x20
- 124 x Screws (DIN 7984)
 - (7 x 8) x *M5x10mm* (for mcs_l-verbinder_stabil_60x60)
 - (2 x 4) x *M5x10mm* (for mcs_endkappe_40x20)
 - (4 x 12) x *M5x8mm* (for mcs_winkel_stabil_40x20)
 - (3 x 2) x *M5x8mm* (for mcs_wuerfelverbinder_20x20)
 - (3 x 2) x *M5x10mm* (for mcs_endkappe_60x20)
- 110 x Slot Nuts (M5 I-Type slot 5)
 - (5 x 8) x *M5 I-Type slot 5* (for mcs_l-verbinder_stabil_60x60)
 - (4 x 12) x *M5 I-Type slot 5* (for mcs_winkel_stabil_40x20)
 - (3 x 2) x *M5 I-Type slot 5* (for mcs_wuerfelverbinder_20x20)

Assembly

Lower Frame

1. Mount corner connectors (mcs_l-verbinder_stabil_60x60) to horizontal extrusions (300mm)
2. connect 2 of the horizontal extrusions with 2 extrusions (400mm) (forms a rectangle)
3. add angle connectors (mcs_winkel_stabil_40x20) to support the new struts
4. connect third horizontal bar to the just build rectangle 120mm from the rear horizontal extrusion using angle connectors (mcs_winkel_stabil_40x20)
5. add end covers (mcs_endkappe_40x20) to the sides of the foremost and hindmost extrusions

Vertical Frame

1. combine 3 extrusion (300mm) to form a „U“-Form using angle connectors (mcs_winkel_stabil_40x20)
2. reinforce using corner connectors (mcs_l-verbinder_stabil_60x60)
3. add end covers (mcs_endkappe_60x20) to the „bottom“ of the „U“

Connect everything

1. connect the vertical frame (invert the „U“) with the lower frame using cube connectors (mcs_wuerfelverbinder_20x20)
2. add angle connectors (mcs_winkel_stabil_40x20) to strengthen the connection between the long struts (400mm) and the vertical frames „legs“
3. add corner connectors (mcs_l-verbinder_stabil_60x60) to finalize

Protokoll Cafe Europa

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