

Motor-Achsen



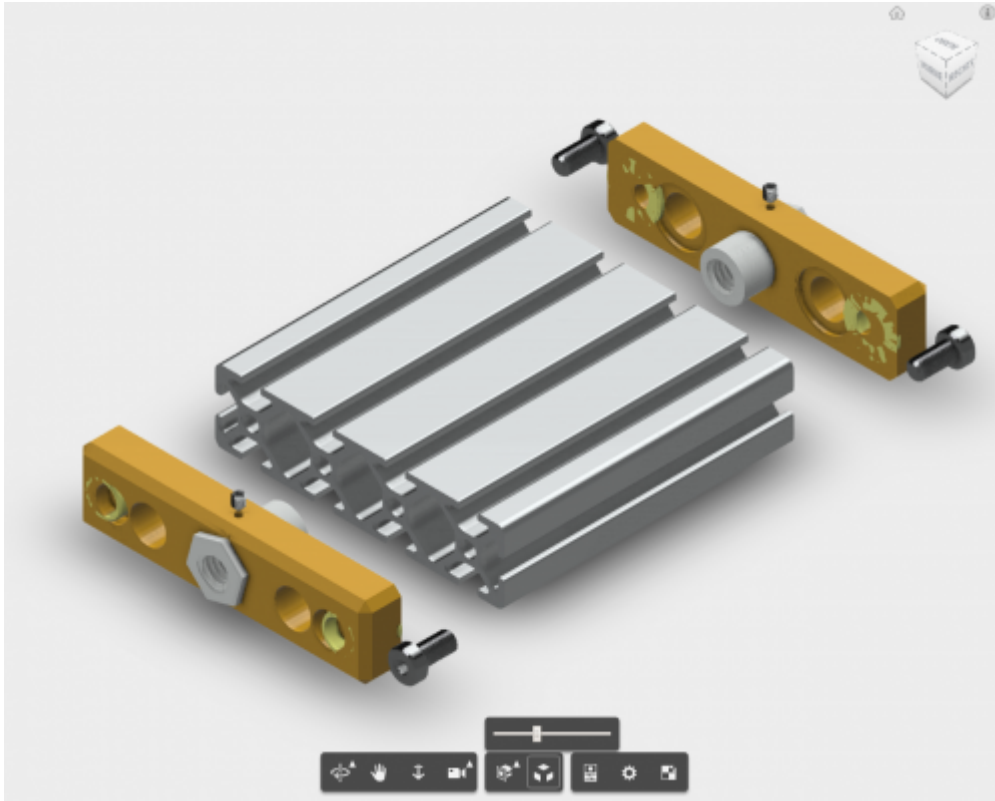
- Alu-Schienen
- Trapezgewindespindel
- Stepper-Motor
- Coupling
- Schlitten

Parts list

- Alu-extrusions
 - 3 x Profil_5_80x20_L=80
- 3D-printed parts
 - 4 x mcs_endkappe_kreuzschlitten_80x20
 - 1 x mcs_endkappe_schlitten_80x20
 - 3 x mcs_motorhalter_nema17_80x56
- Screws (DIN 7984)
 - 20 x *M5x10mm* (DIN 7984)
 - 12 x *M3x6mm* (DIN 912)
 - 6 x Madenschraube DIN 914 M3 x 4 mm
- Nuts (DIN 7984)
 - 6 x Mutter tr8
- Igus
 - 12 x Gleitlager JFM_0810_10_1
- Sonstiges
 - 3 x NEMA 17 Stepper motor
 - 3 x Wellenkupplung

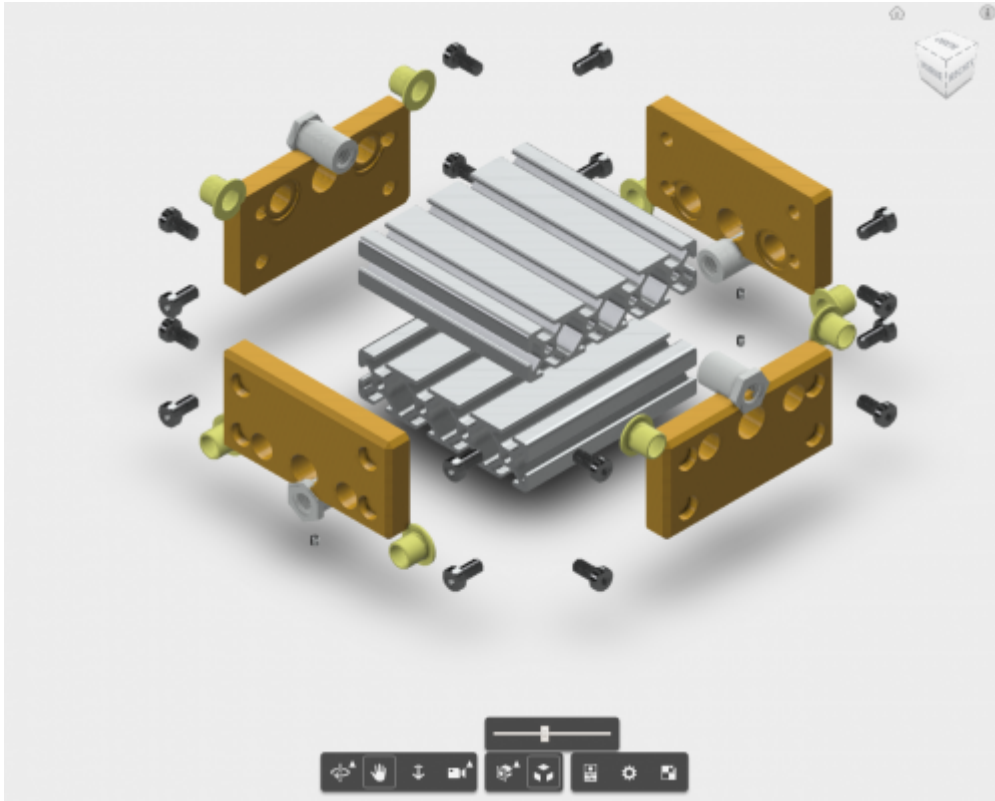
Assembly

Schlitten



1. Put two Gleitlager into the second-biggest holes of each endkappe_schlitten so that their rim fits into the depressions in the endkappe
2. Add to each endkappe_schlitten a Mutter tr8 into the middle hole from the other side. Add Madenschrauben to the tr8 Muttern but don't tighten them yet
3. Attach the endkappe_schlitten to one Profil with 4 M5x10 screws so that the rims of the Gleitlager are covered by the Profil.

Kreuzschlitten



1. Put two Gleitlager into the second-biggest holes of each endkappe_kreuzschlitten so that their rim fits into the depressions in the endkappe
2. Add to each endkappe_kreuzschlitten a Mutter tr8 into the middle hole from the other side. Add Madenschrauben to the tr8 Muttern but don't tighten them yet
3. Attach two endkappe_kreuzschlitten to each of the Profile with 8 M5x10 screws so that the rims of the Gleitlager are covered by the Profil.
4. Attach the now u-shaped two Profile to each other so that they hug each other with their u-shape and fix them with 8 more M5x10 screws

Motor assembly

1. Attach one mcs_motorhalter to each NEMA17 stepper with M3x6 screws