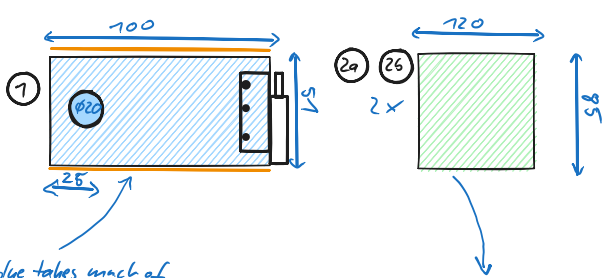


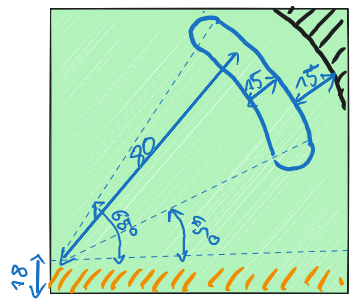
18mm
12mm
blue

tripod mount



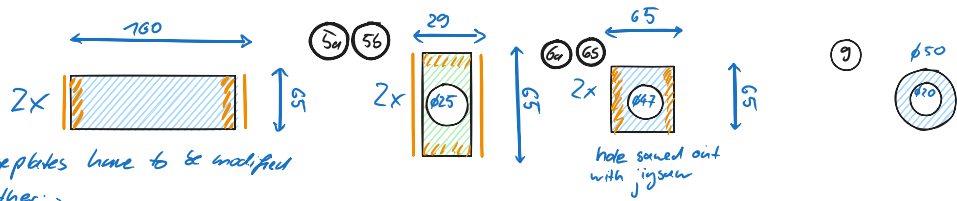
because here the glue takes much of the load, it makes sense to reinforce this joint with dovetail pins

the angles correspond to my latitude $50 \pm 10^\circ$.
For different angles, the side lengths have to be adjusted.
The angles here are also not the same as the platform angles because the hinge is on its bottom not in the center.



pre drill it a couple of times ($\phi 15$ bit), then clean up with a file

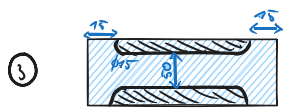
polar axis



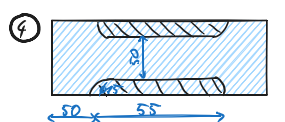
these plates have to be modified further:

lower:

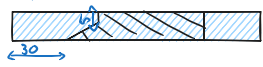
upper



drill out the corners, then remove the part in between with the jig saw. Fine tune with a file



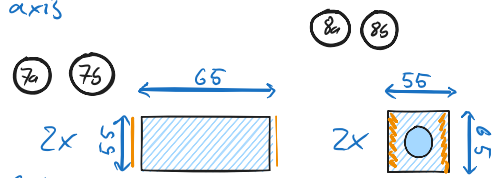
I made the profile on this part quite complicated. This is not really required



drill a $\phi 10$ hole, then slowly thread in one of the $\phi 12$ rods to form a thread in the wood. Use the nuts to secure against each other to drive the part. Oil helps.

Depending on the hinge, a curved with a round file might be required

declination axis



one of these parts requires a 6mm hole for the brace

drill $\sim 70\text{mm } \phi 30$, then drill through $\phi 35$

