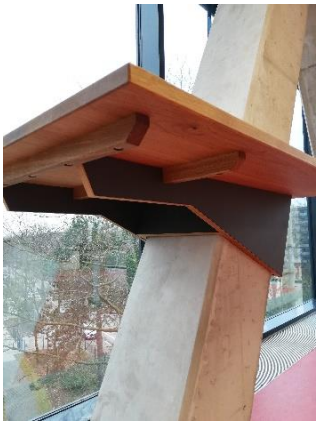
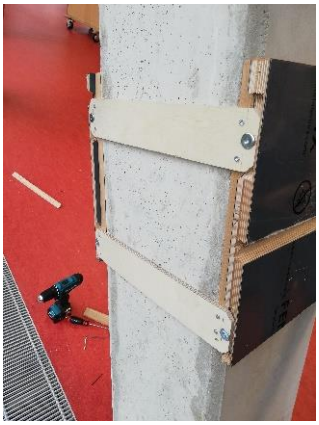
Sliding workplaces for the B-building



Our Class, the FH21, had the task to build 19 tables to create more space to work for the classes in the B-building. The tables had to be clamped, not drilled in the concrete pillars, so that they can be adjusted at any height.

This clamping construction was a challenge for us, as well in the planning as in the mounting process. It consists of four threaded rods with sleeve nuts, two tension plates and four triangular strips. When the sleeve nuts are fastened, the triangular strips are pressed against the chamfers of the pillars. This construction is hidden in a sleeve, to which the tabletop is connected to.



The tables are made out of solid oak and multiply laminated with grey HPL. The table top, with an attachment piece and screwed ride ledges, as well as the triangular strips consist of solid oak. The parts of the sleeve are made out of laminated multiply with solid oak edges and the tension panels are made out of raw multiply.

We did the planning in our regular "Lernfeld 2"-lessons and the manufacturing in two weeks, where we worked only on this project. Our task was to use conventional machines, so we had to build jigs before we started building the tables. For these jigs and also for some other difficult parts, we were allowed, to use the CNC center.

After the manufacturing, we mounted the tables to the concrete pillars in the B-building. This was not so easy, because the pillars have different sizes and angles, so that we had to adjust the sleeve a lot.

All in all, we are happy with the result of our project. Even though if it was stressful at some points, we worked well together and we always found a solution for occurring problems.