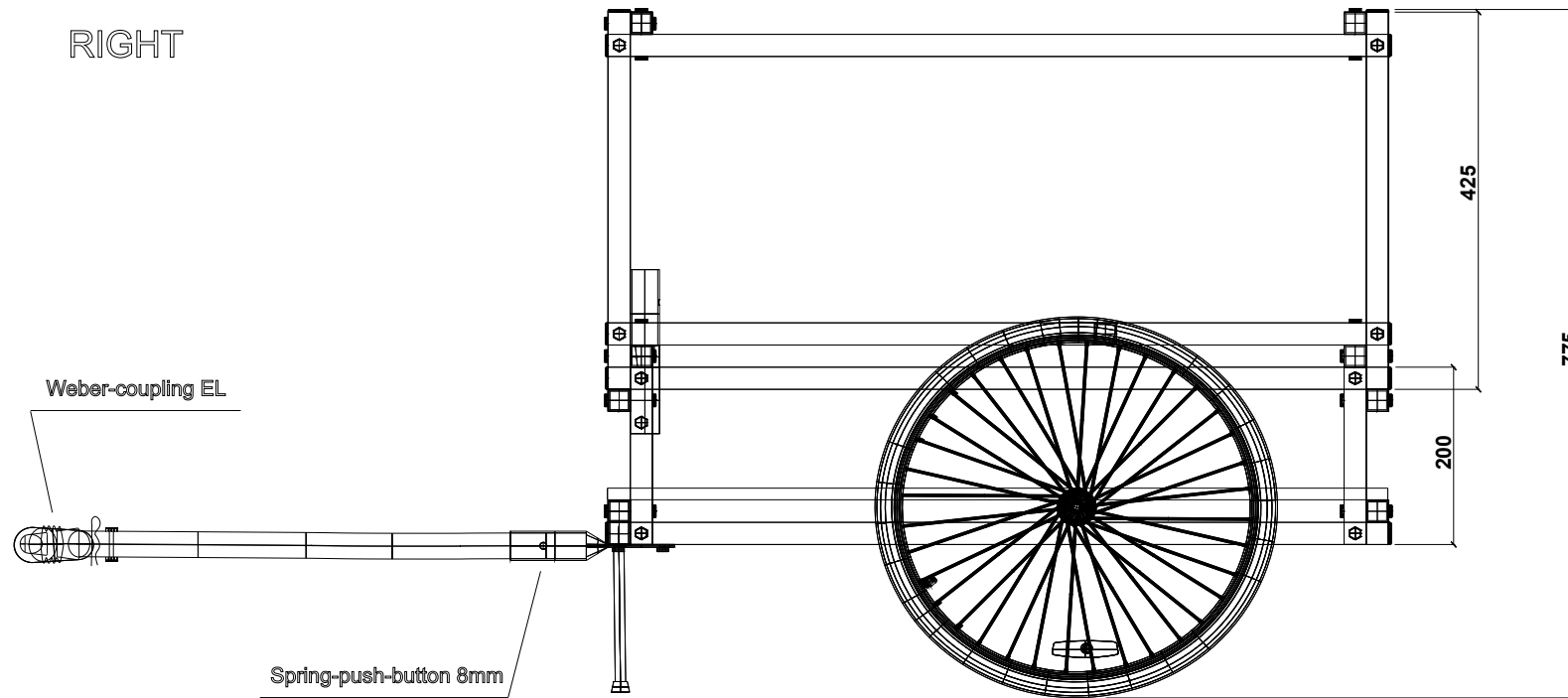


RIGHT



FRONT

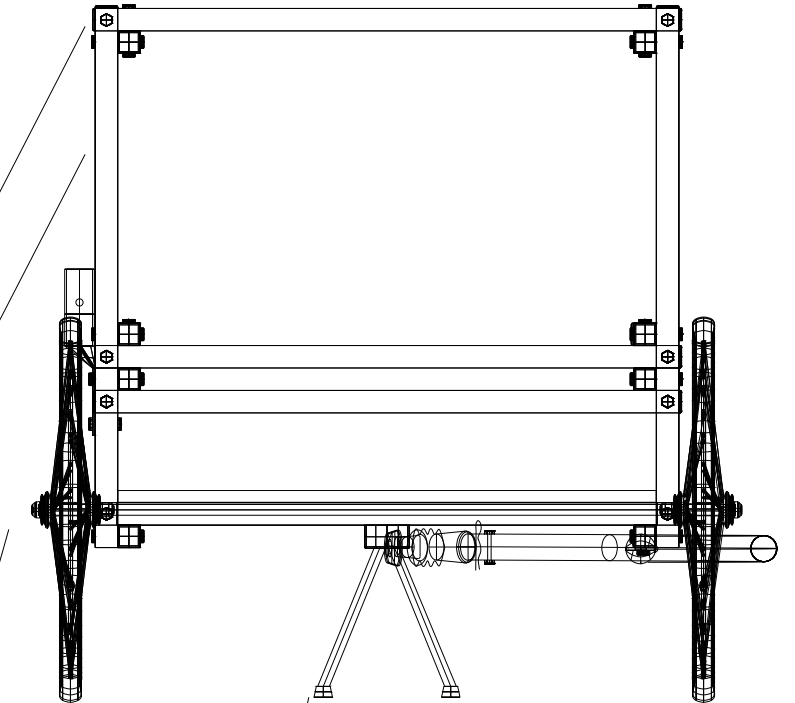
Aluminum square plastic caps (25mmx25mm)

Aluminum square bar (25mmx25mm)

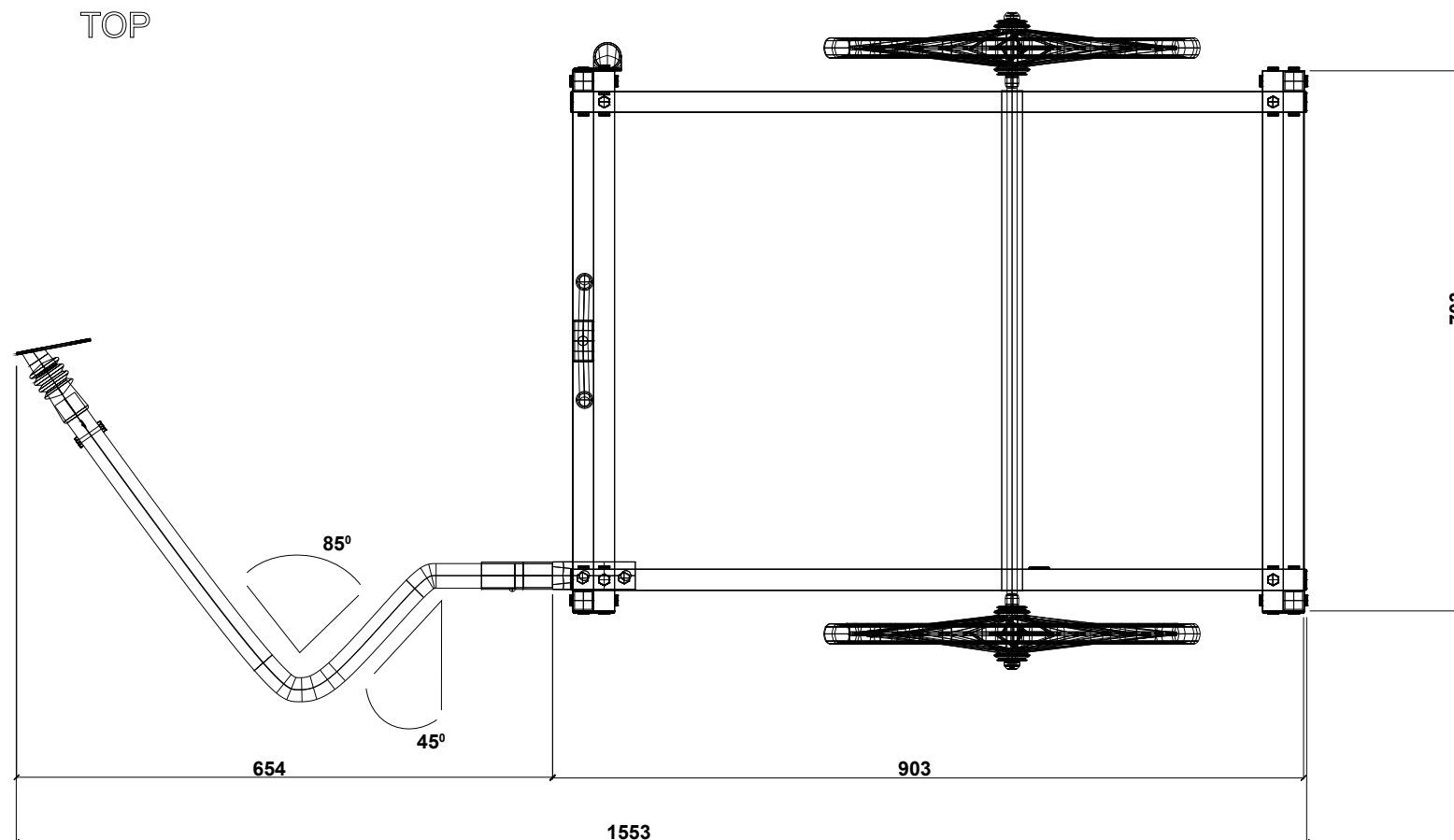
Thru axle 12mm aluminum

Wheel 20" x 2.40 Super Moto X (axle system 12/20)

Double bicycle stand



TOP



LILLE LYS is a bicycle trailer based on the XYZ assembling system. It has been developed to respond to community need for moving materials of the Free University of Bolzano, in collaboration with the unibz material bank and récupérathèque, MaMa (Material Matters!), as well as the students' association Lampele. In fact, the trailer is designed either for a usage within the University and outside, in the streets of city, and it is compatible with every bike! The design behind LILLE LYS is open-source, easy to assemble or disassemble, replicate or repair: it is mostly made of squared aluminium bars and other part that can be easily found or acquired second-hand! One key feature is the usage of just two types of HEXAGONAL SCREW. By using mostly aluminum as main material and because almost nothing in LILLE LYS is welded, the trailer ensures durability and sustainability. The design allows for an easy disassembly, promoting reuse and repair. Additionally, the trailer provides students with the opportunity to carry out various materials, standard euroboxes (300x400mm) and other atypical objects in an environmentally friendly way. The final goal is to promote the bicycle trailer as a practical tool for sustainable transport and the creation of community-driven initiatives!



Free University of Bozen Bolzano
Human Traction WS 24/25
LILLE LYS

Francesco Desimine & Hannes Simon Decker
scale: 1/10 units: mm

unibz  lille lys
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