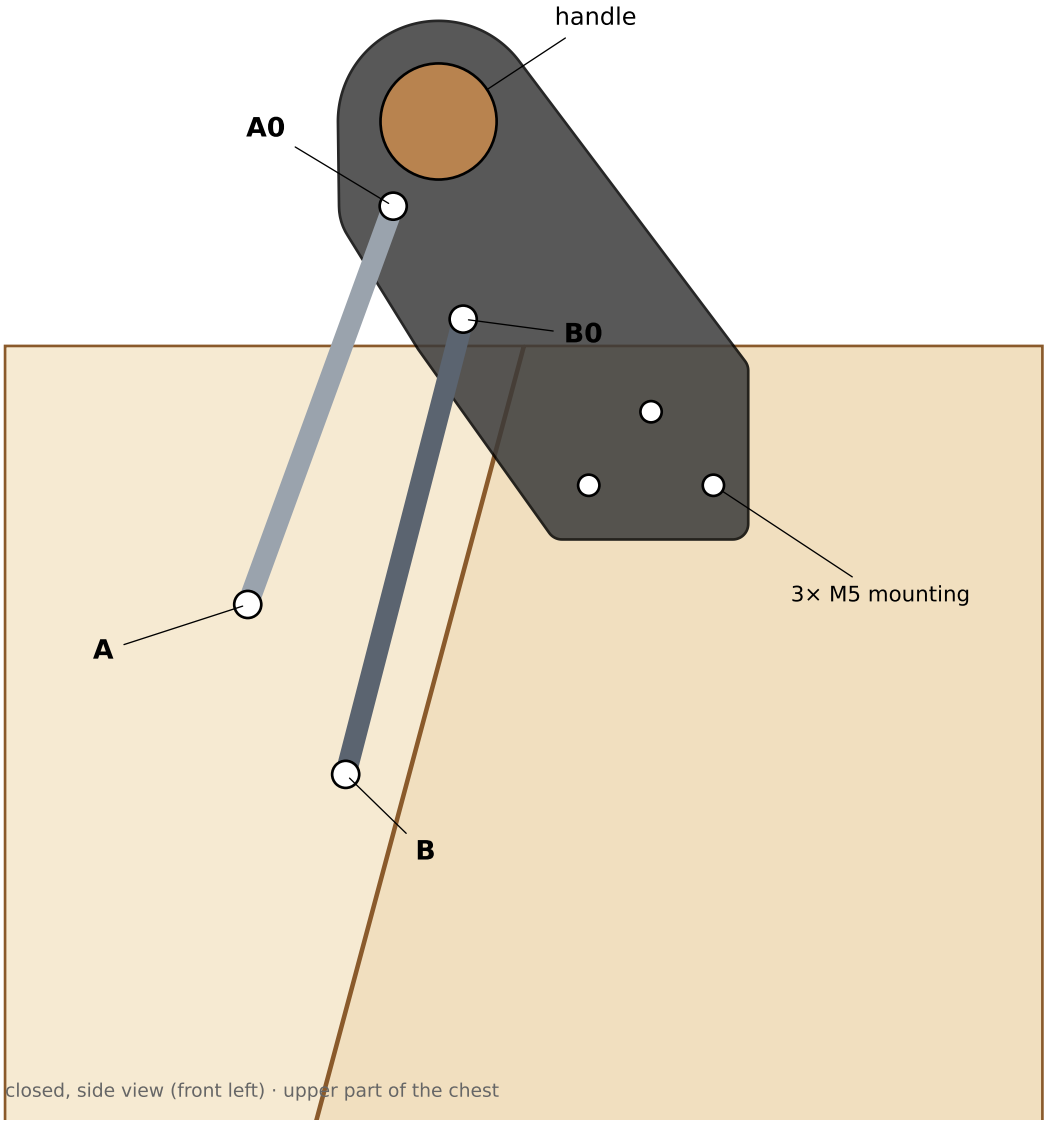
Tool chest – hinge: pivot overview (left side, right side mirrored)



link A (inner, light)	connects A0 (handle plate) to A (lid)
link B (outer, dark)	connects B0 (handle plate) to B (lid)

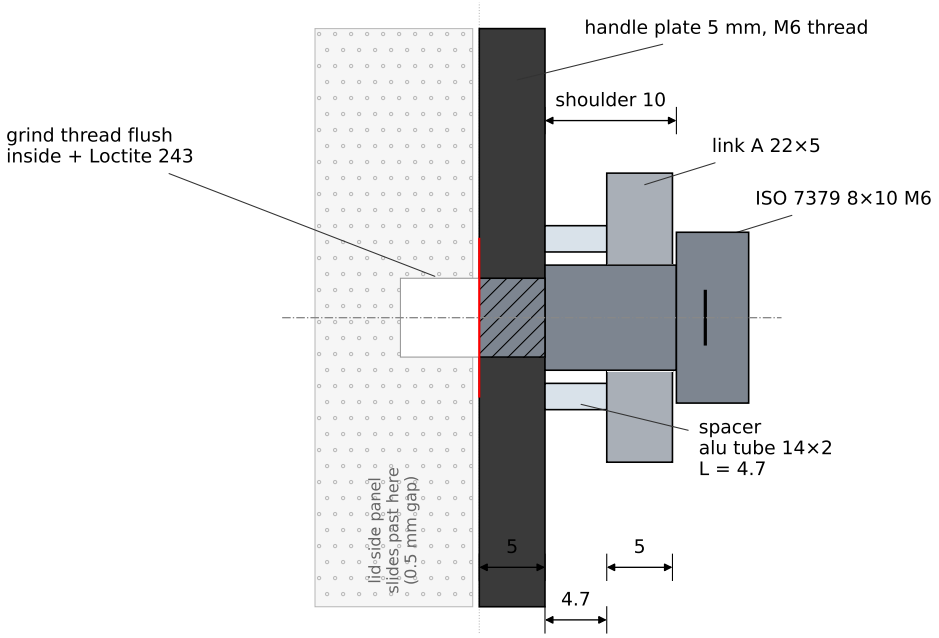
Layers from body side panel outer face (mm):

handle plate	0 … 5
link A	9,7 … 14,7
heads A0 / A	up to 21
link B	24,2 … 29,2
heads B0 / B	up to 35.5

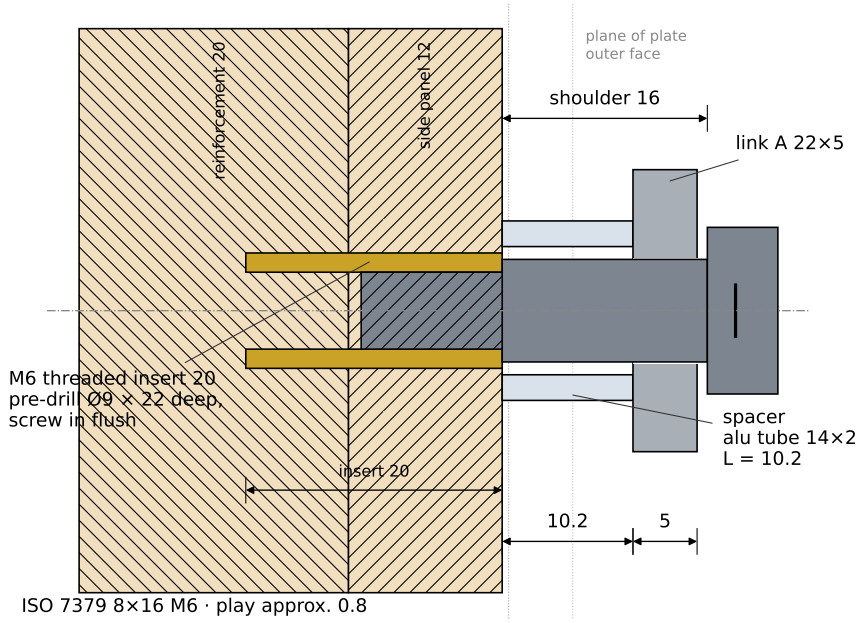
Gesamtbreite	≈ 544 over links, ≈ 557 over screw heads
Drehpunkt	screw · spacer · fixing
A0 (plate, link A)	ISO 7379 8×10 M6 · spacer 4.7 · tapped plate
A (lid, link A)	ISO 7379 8×16 M6 · spacer 10.2 · insert M6×20
B0 (plate, link B)	ISO 7379 8×25 M6 · spacer 19.2 · tapped plate
B (lid, link B)	ISO 7379 8×30 M6 · spacer 24.7 · insert M6×20
handle	countersunk M6×25 · insert M6×20 in dowel
plate mounting	M5 button head: 2× M5×40 + T-nut, upper hole M5×45 + nut + washer
Spacers	alu tube 14×2 (ID 10), cut square and deburr. 4 per side, 8 total.
Spiel	Link must turn freely with 0.3–0.8 mm play. If it binds: shorten spacer 0.2 mm. Too loose: add a thin M8 washer.

Sections through the pivots (axis horizontal · left = inside, right = outside · mm, not to scale)

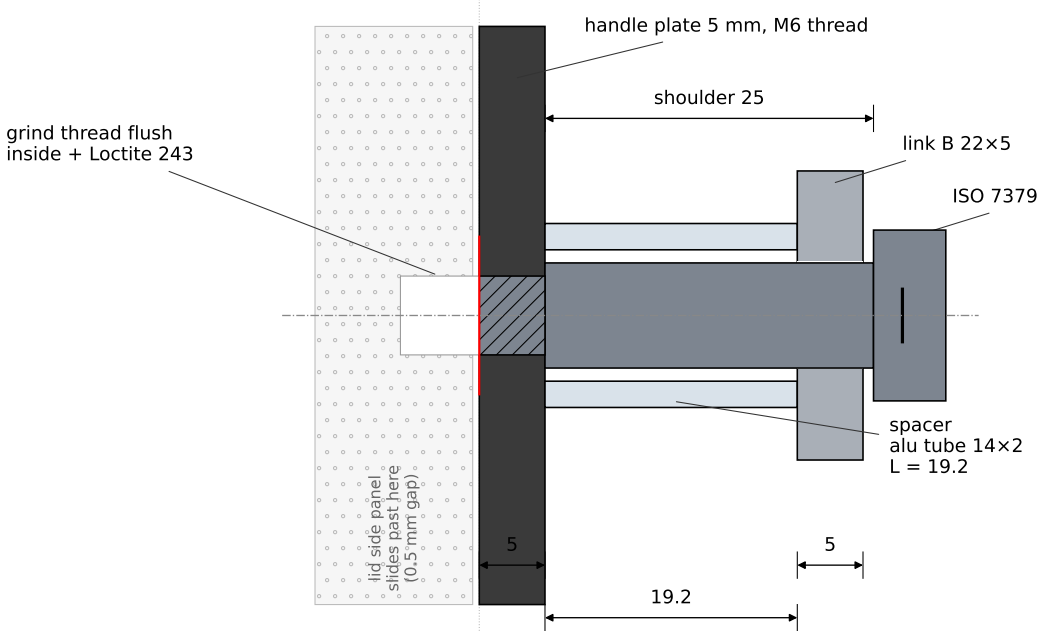
A0 – fixed pivot link A (handle plate)



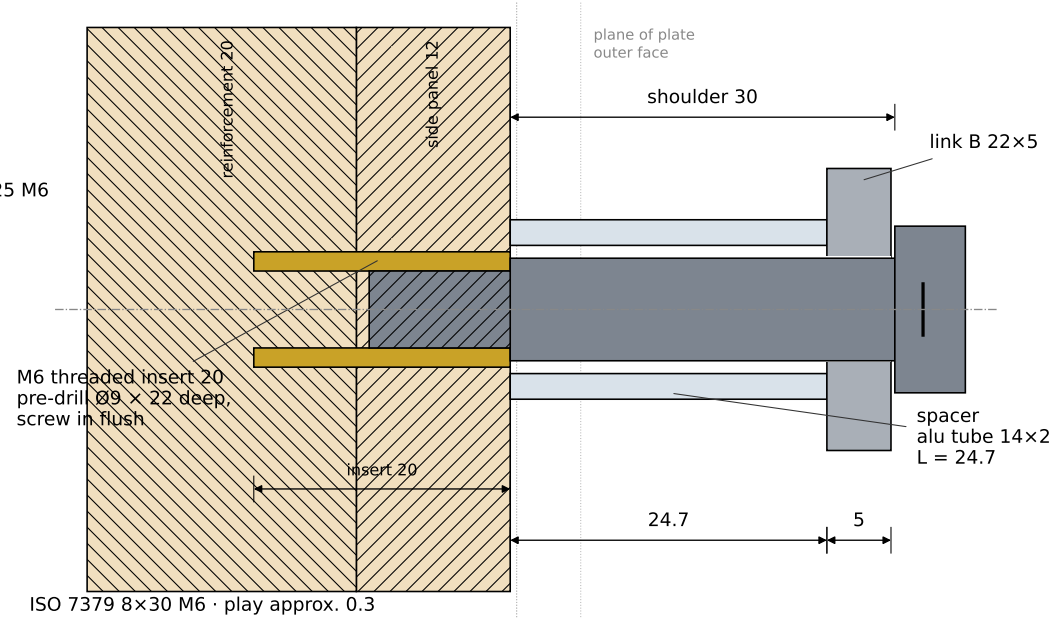
A – lid pivot link A



B0 – fixed pivot link B (handle plate)



B – lid pivot link B



Sections: handle mounting and plate mounting

Handle – countersunk screw into the dowel

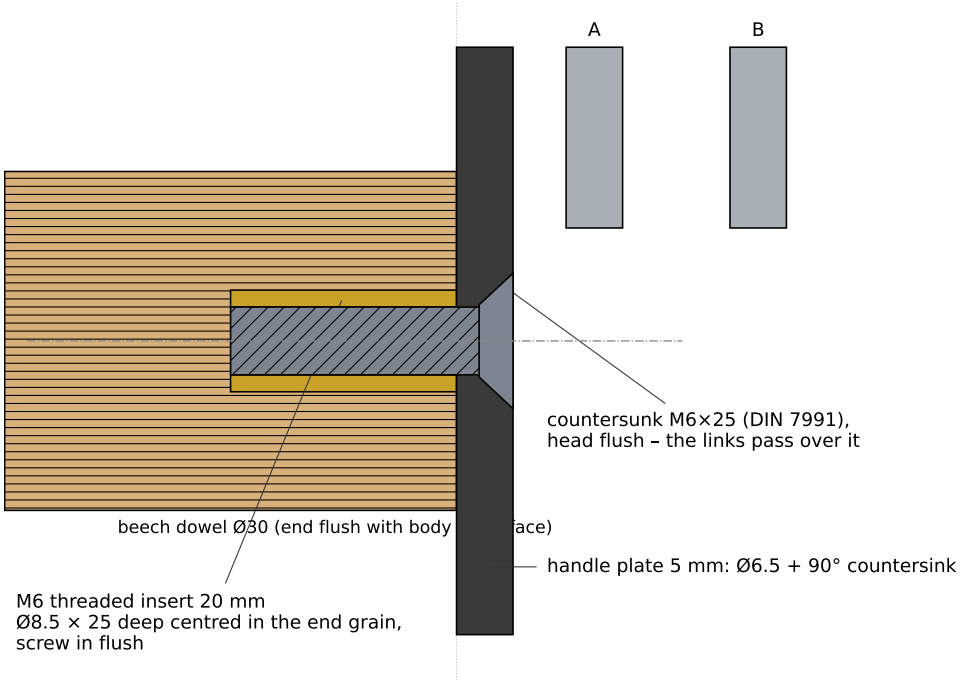
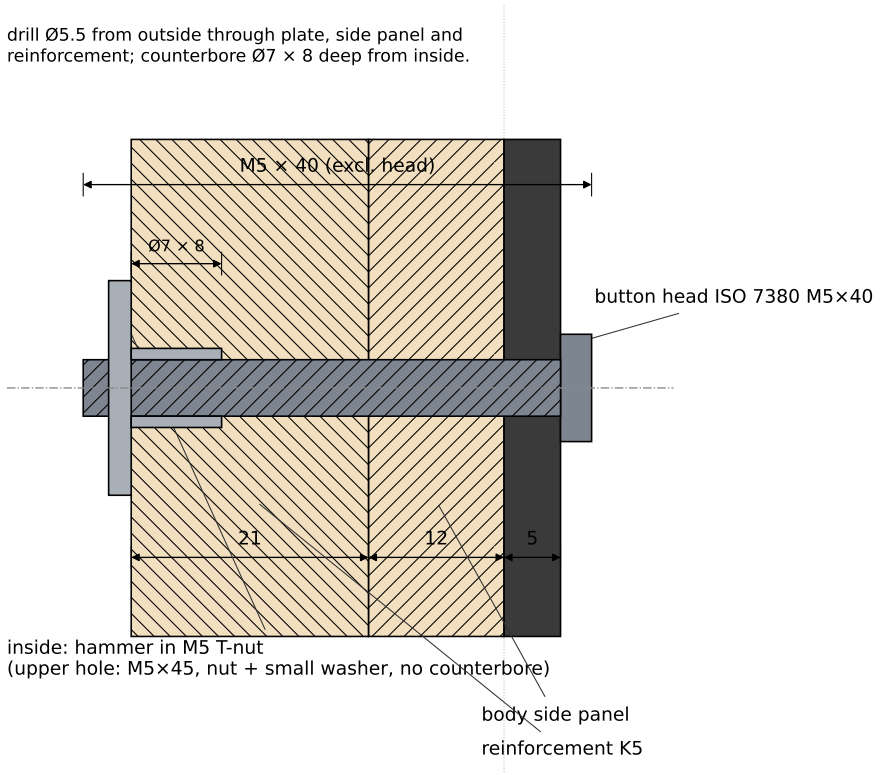


Plate mounting – 3× M5 through side panel and reinforcement



Threaded inserts M6×20: pre-drill Ø9 × 22 deep square to the face (drill press / drilling block; test in scrap first), drop of glue, drive in with a hex key (or M6 bolt + jam nut) until flush or max. 0.5 mm below. The shoulder screw bears on the insert/wood – a proud insert changes the spacer length.
T-nuts M5: set into the Ø7 counterbore from inside, hammer flush or pull in with the M5 screw from outside.