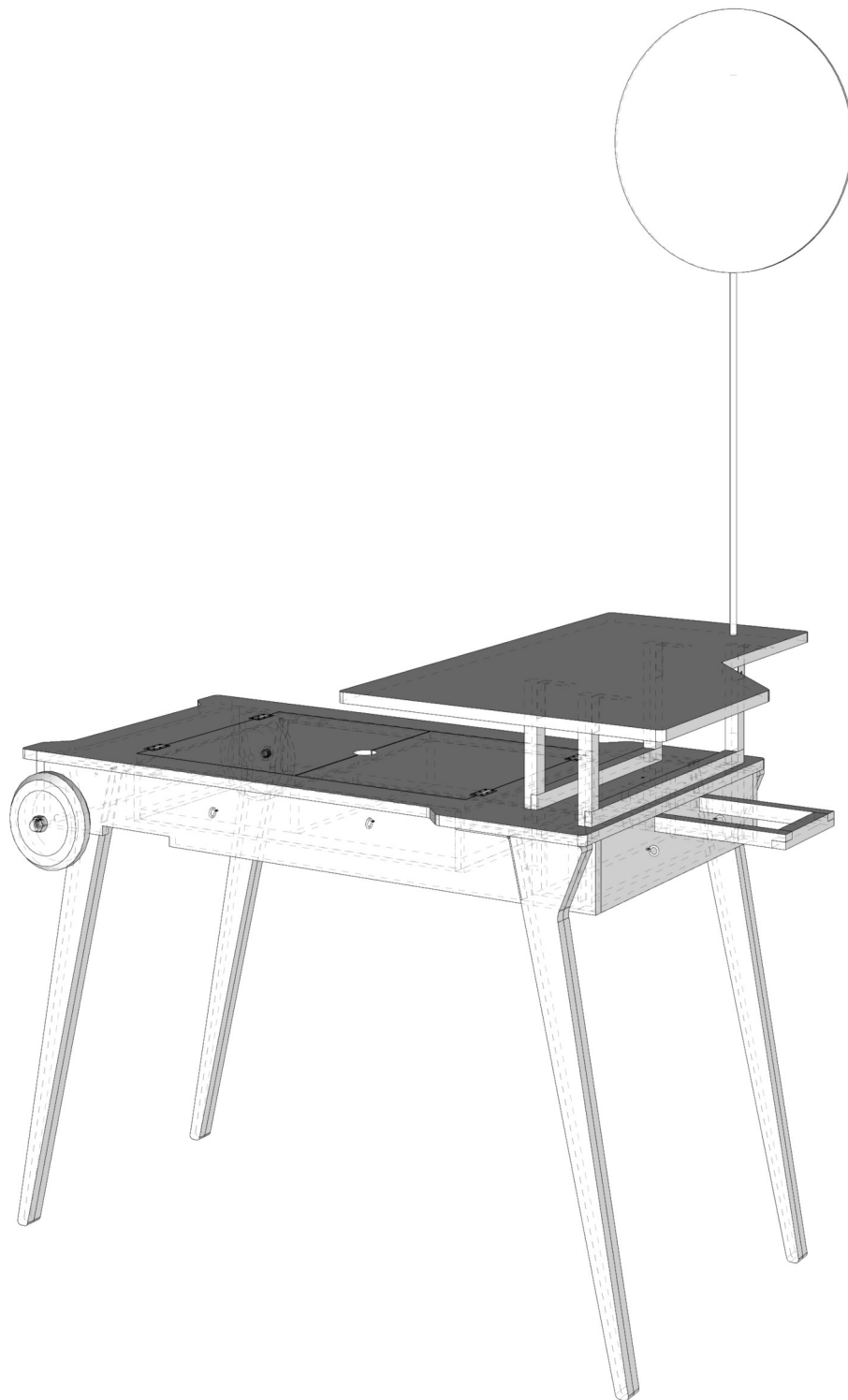




Liste des matériaux

Contreplaqué peuplier 15mm
> Panneau 2500x1220mm > x1

Contreplaqué peuplier 5mm
> Panneau 400x400mm > x1

Charnières métalliques
> 80x20mm > x4
> 40x25mm > x4
> 160x30mm > x4

Pitons à visser
> L16, Ø3 > x6

Roues
> Ø150mm > x2

Visserie
> Ø4x40mm, T20 > x76
> Ø3x12mm, T10 > x48
> Ø3x30mm, T10 > x4
> Ø6x80mm, T30 > x8

Tube en cuivre
> L 1m, Ø10mm > x1

Tube en acier
> L 500mm, Ø10mm > x1

Tige filetée
> L 580, Ø18mm > x1

Rondelle
> Ø10mm > x2

Écrou borgne
> Ø10mm > x2

Tasseau chêne massif
> L 3m, 21x21mm

Tendeur Ø8mm
> L 110mm > x2
> L 75mm > x2

Liste des outils

Perceuse/visseuse

Scie à onglet

Scie à métaux

Scie sauteuse

Adhésif

Colle à bois

Sert-joints

Embout T30, T20 et T10

Foret 3mm

Foret 5mm

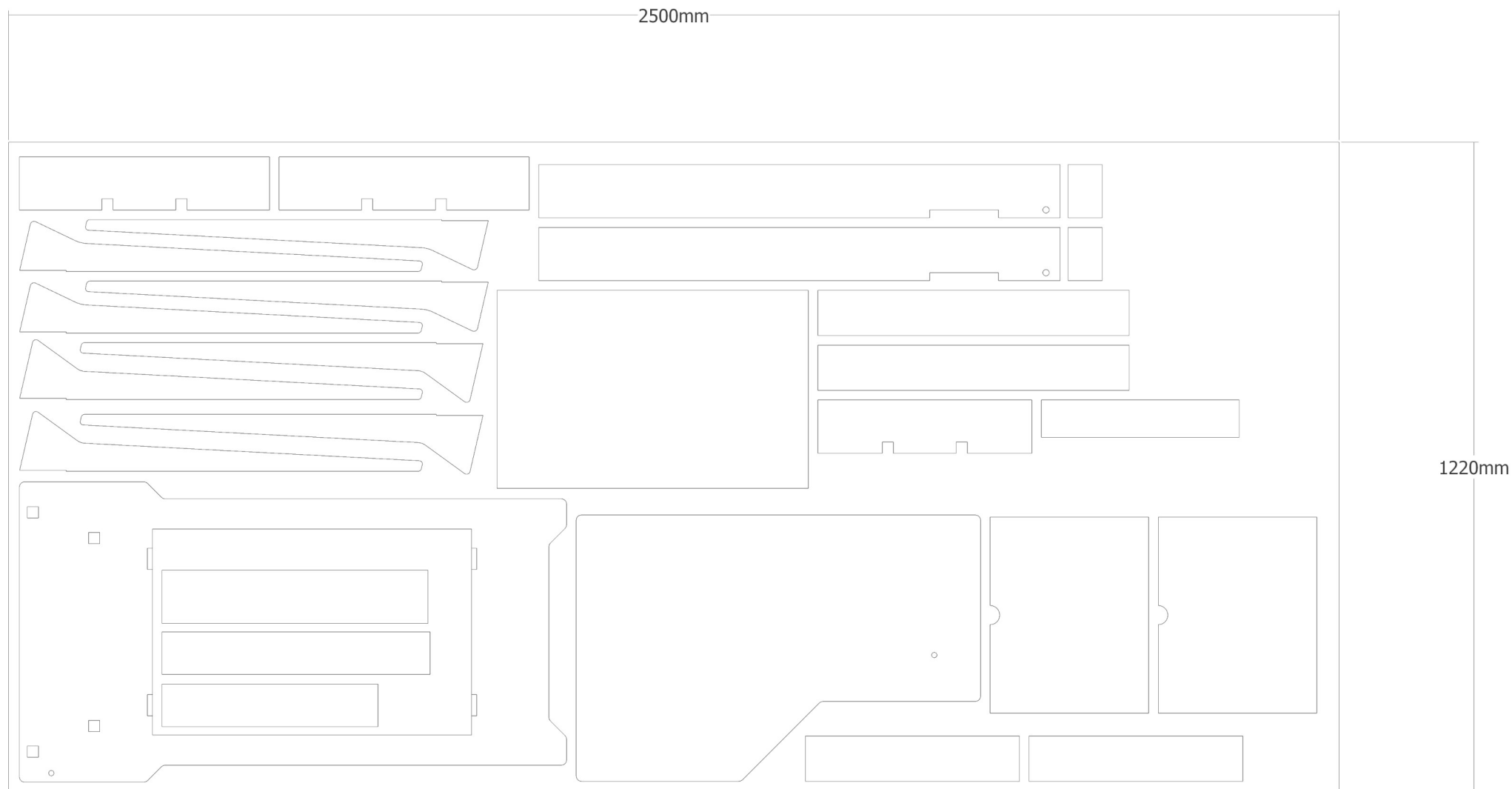
Papier ponce

Fraiseuse CNC
(pour le prototype, nous avons travaillé
avec celle de l'Open Factory de Brest)

Usinage des pièces en cp 15mm

Panneau contreplaqué peuplier 15mm, 2500x1220mm

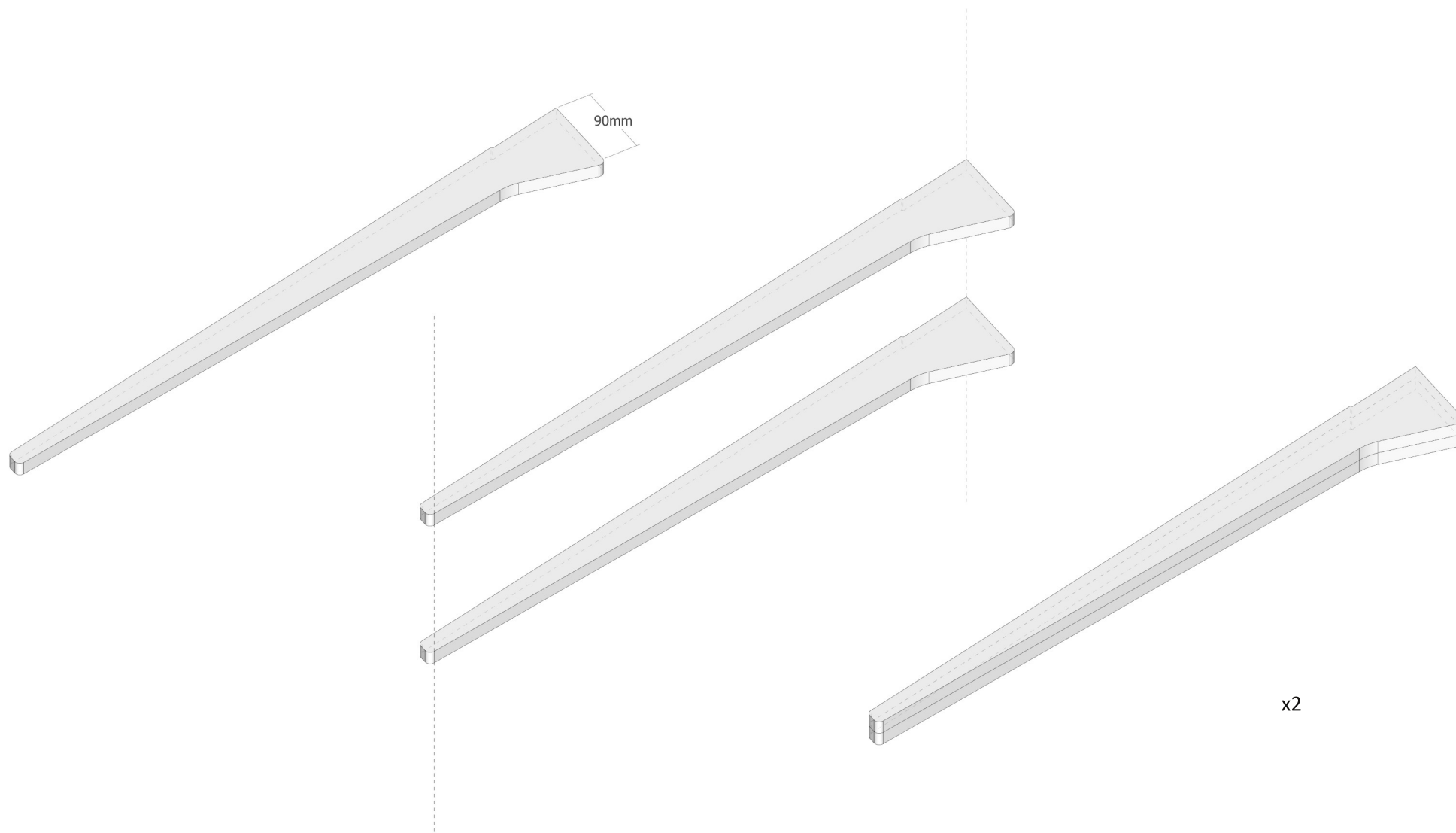
Fraiseuse CNC



Assemblage des pieds 1/2

Colle à bois

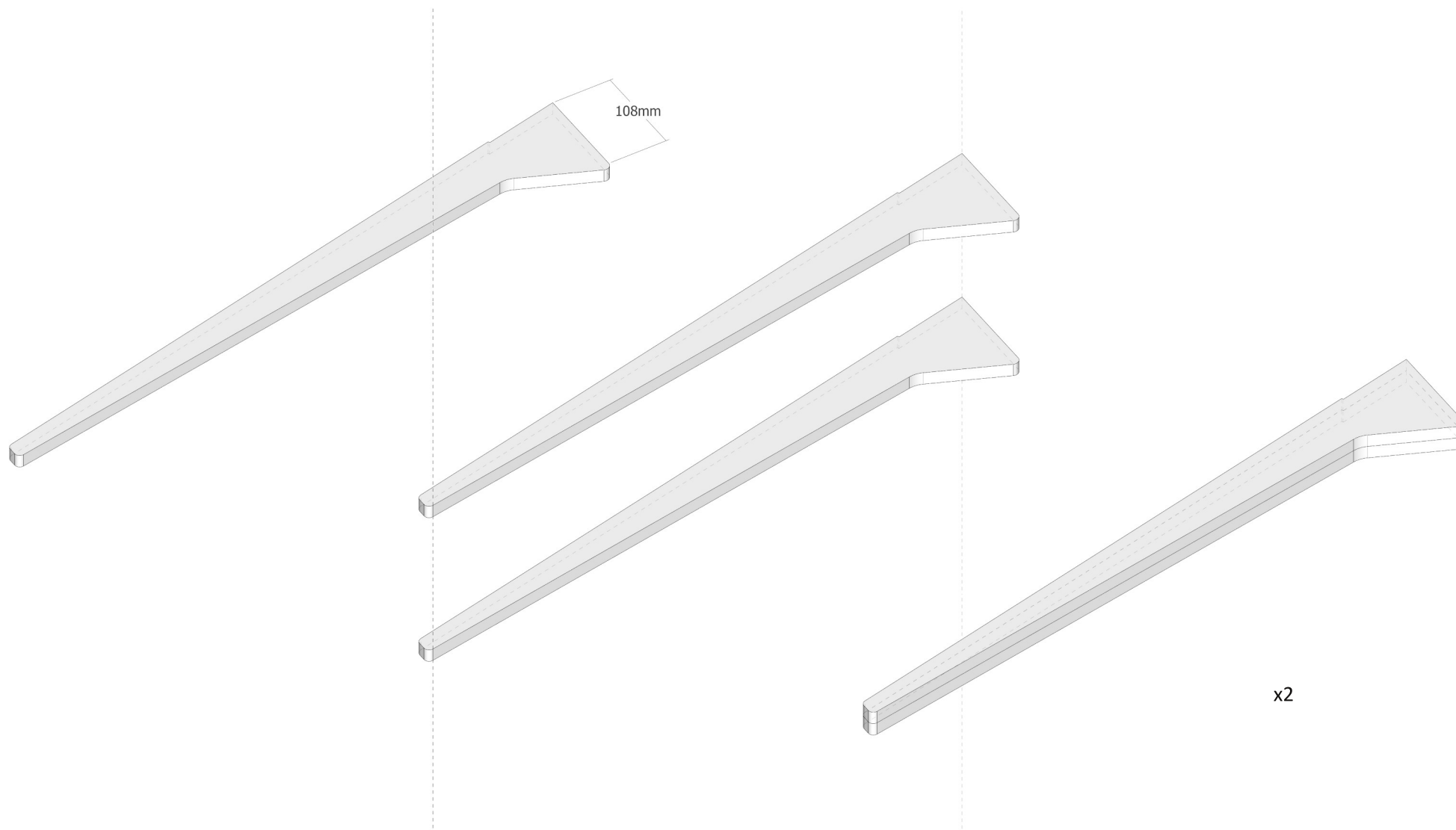
Sert-joins



Assemblage des pieds 2/2

Colle à bois

Sert-joins



Assemblage de la caisse 1/4

Perceuse/visseuse

Forêt 3mm

Colle à bois

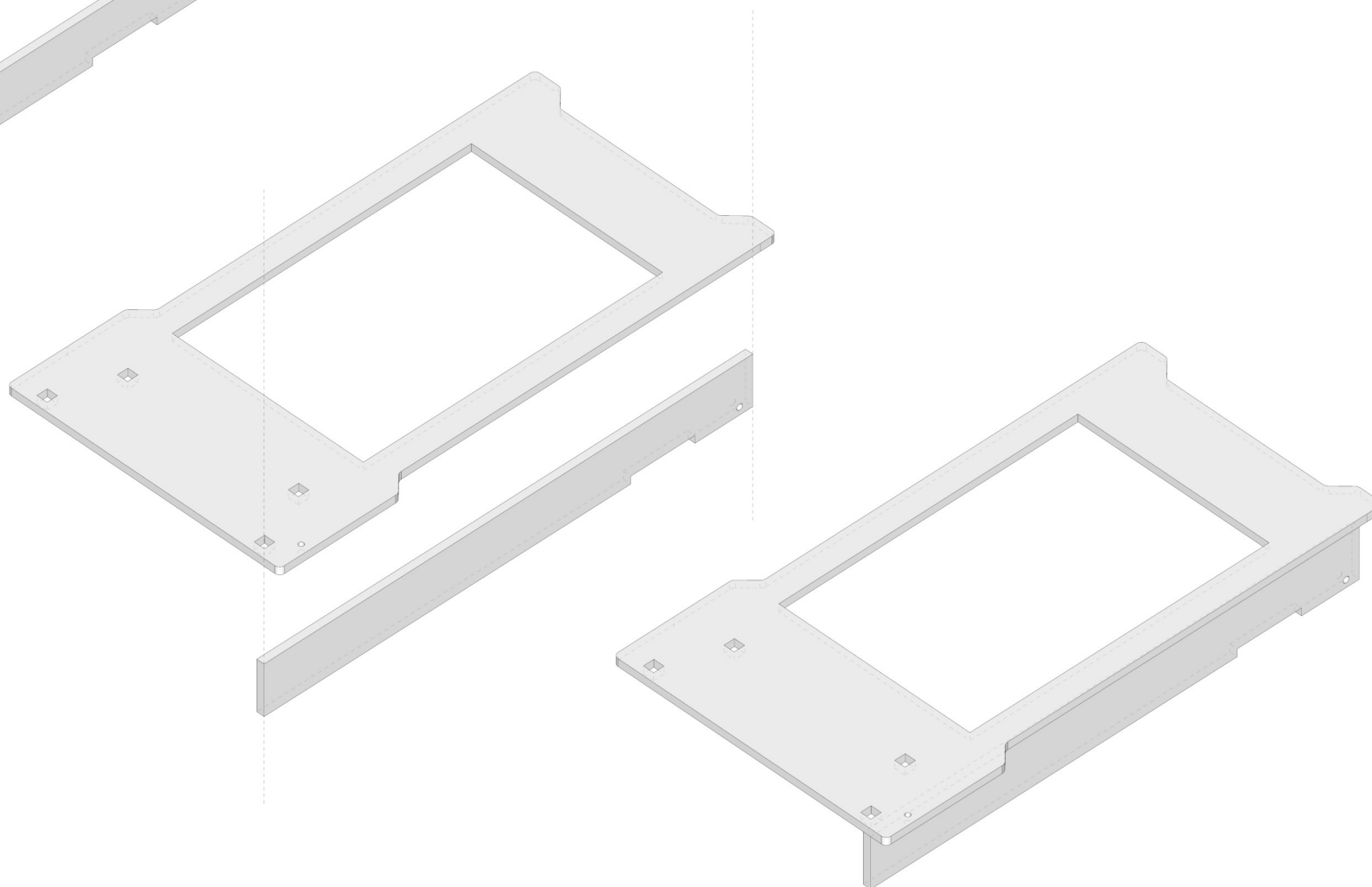
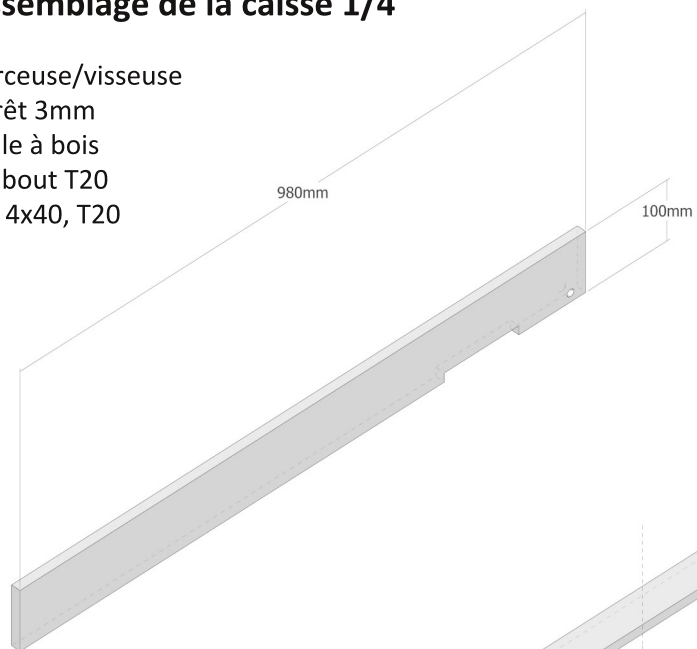
Embout T20

Vis 4x40, T20

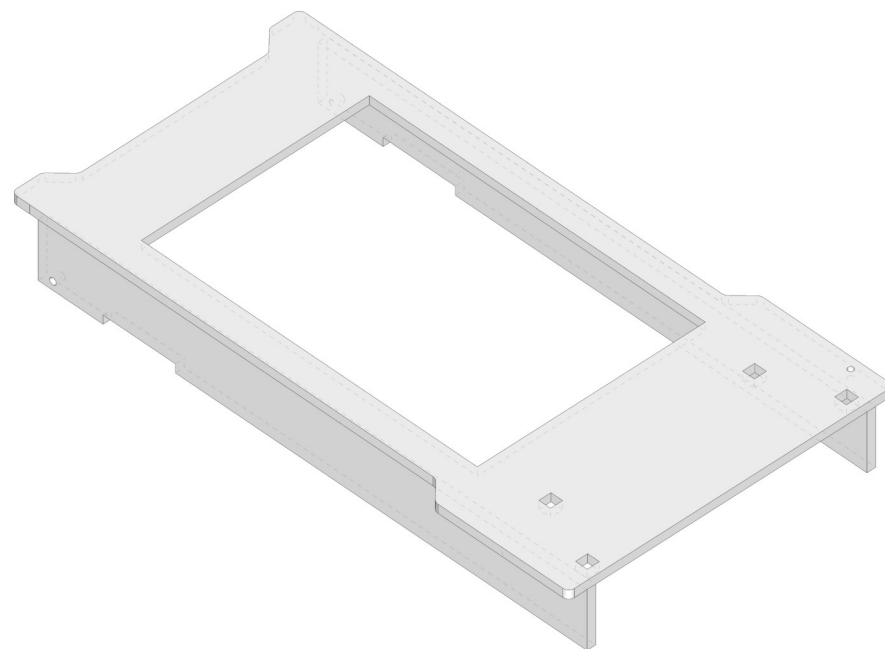
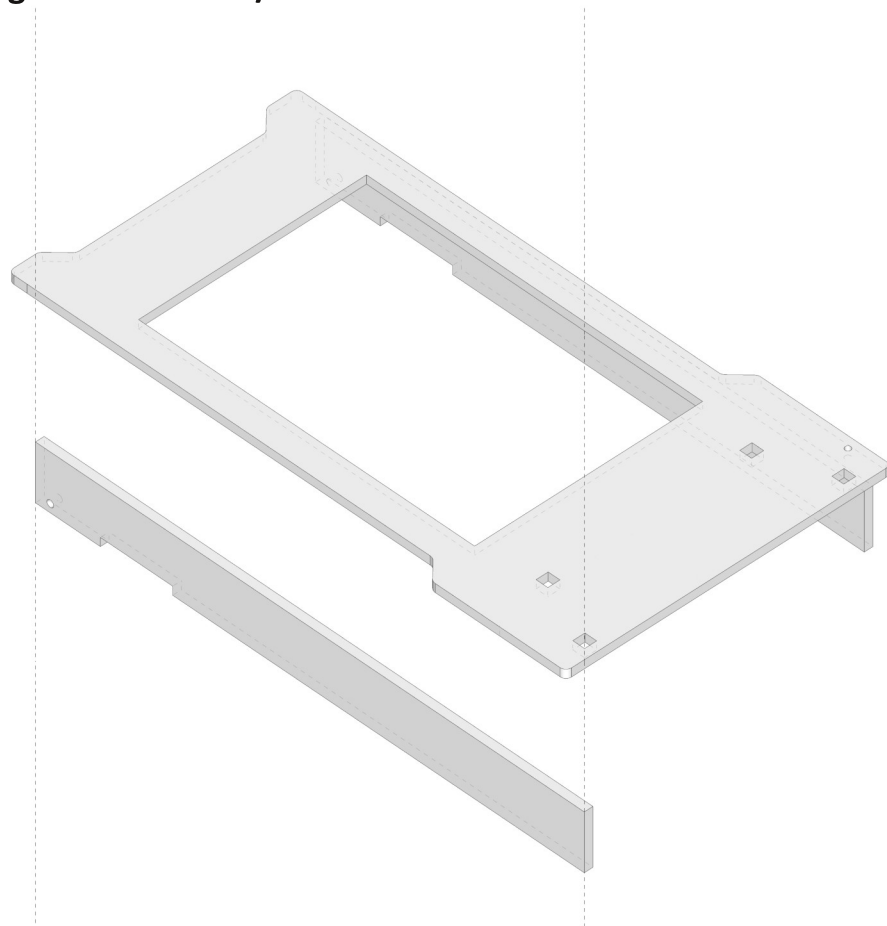
Pré-percez

Collez

Vissez

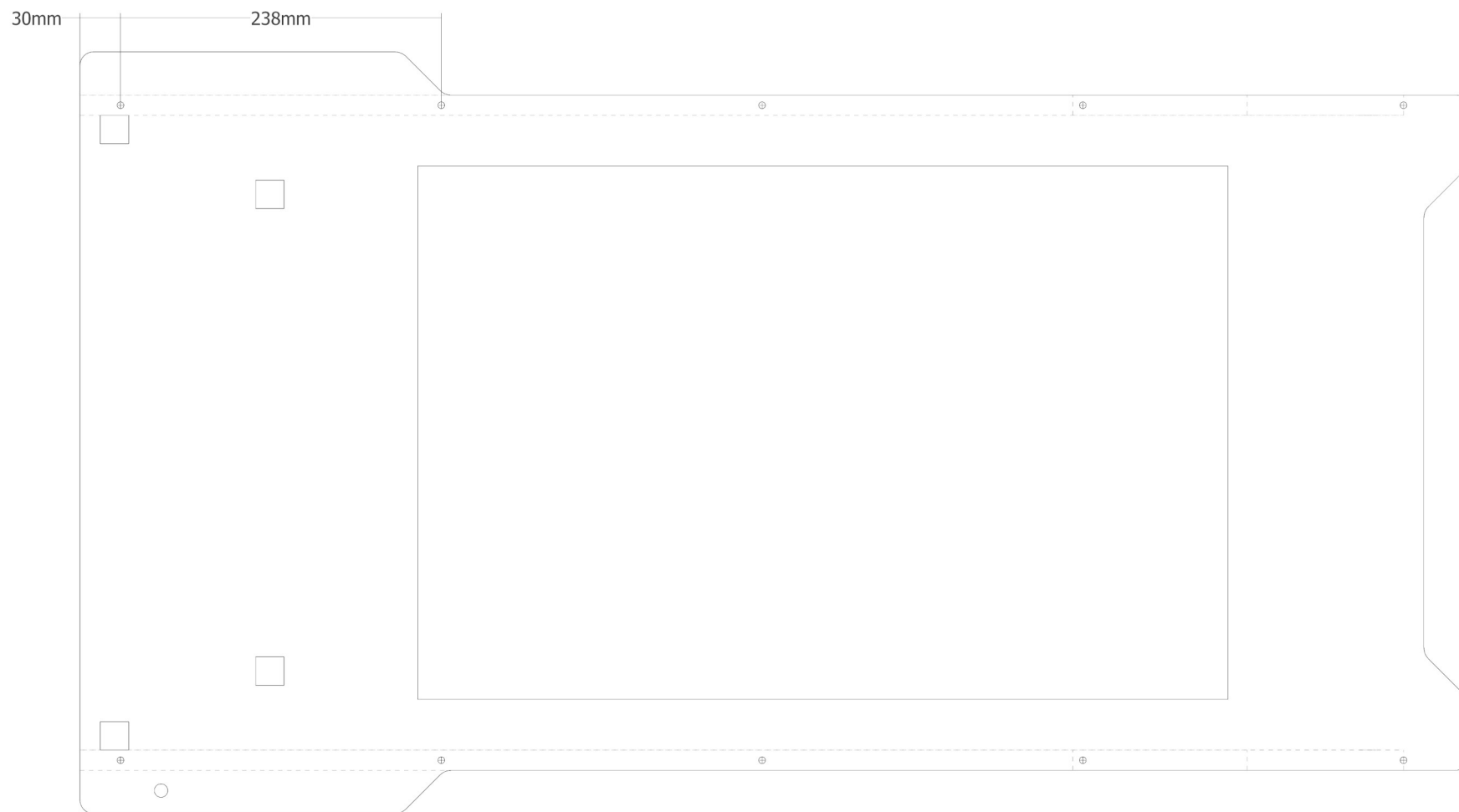


Assemblage de la caisse 2/4

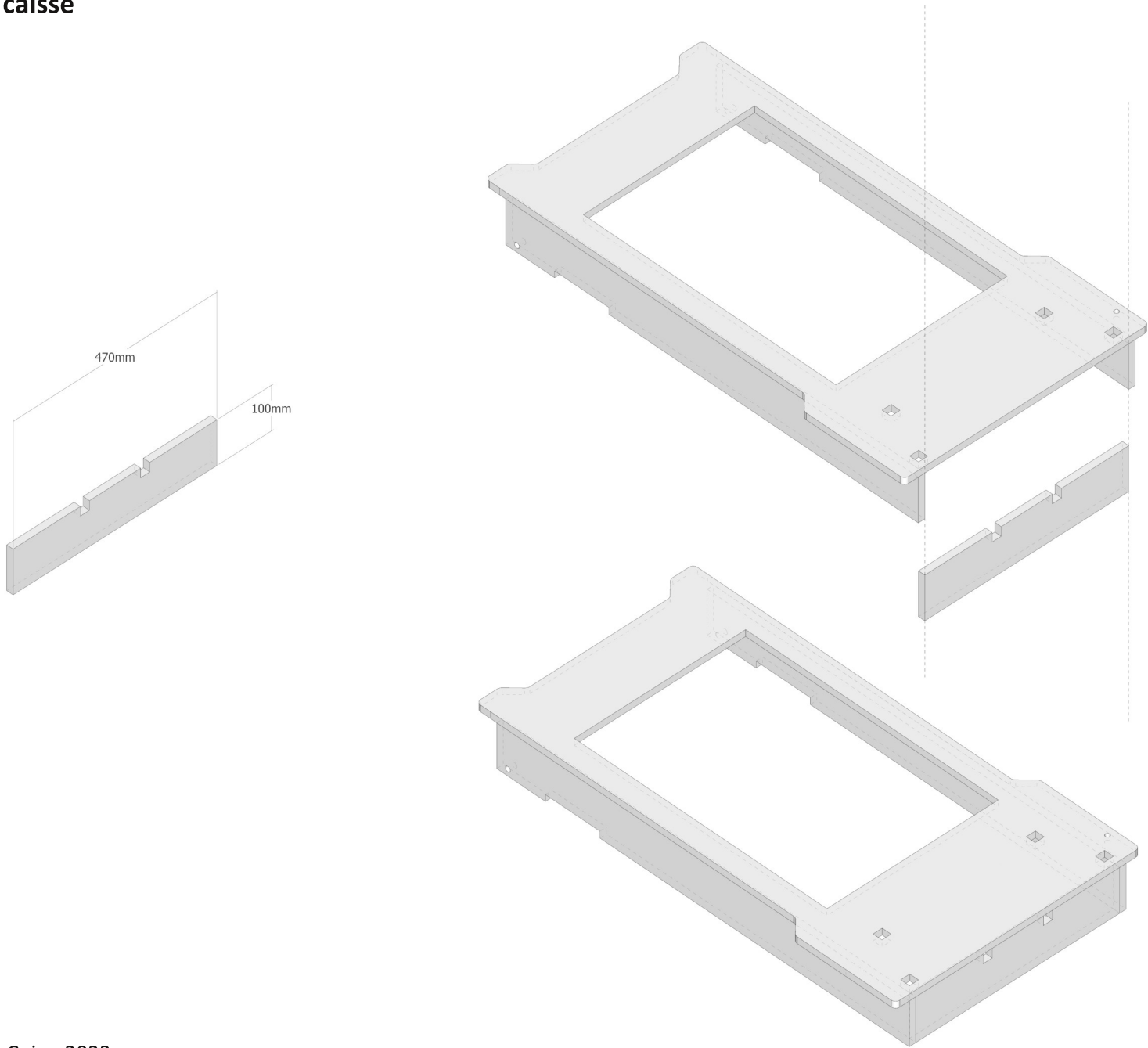


Assemblage de la caisse

Positionnement des vis

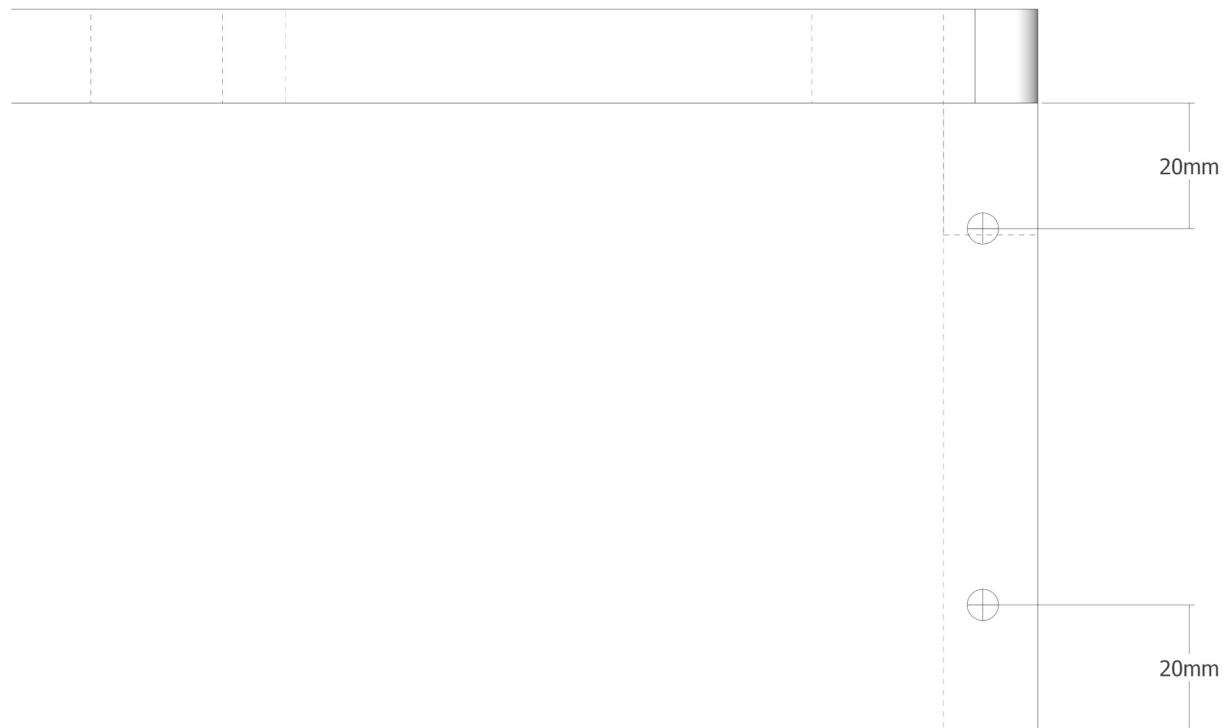


Assemblage de la caisse



Assemblage de la caisse 3/4

Positionnement des vis

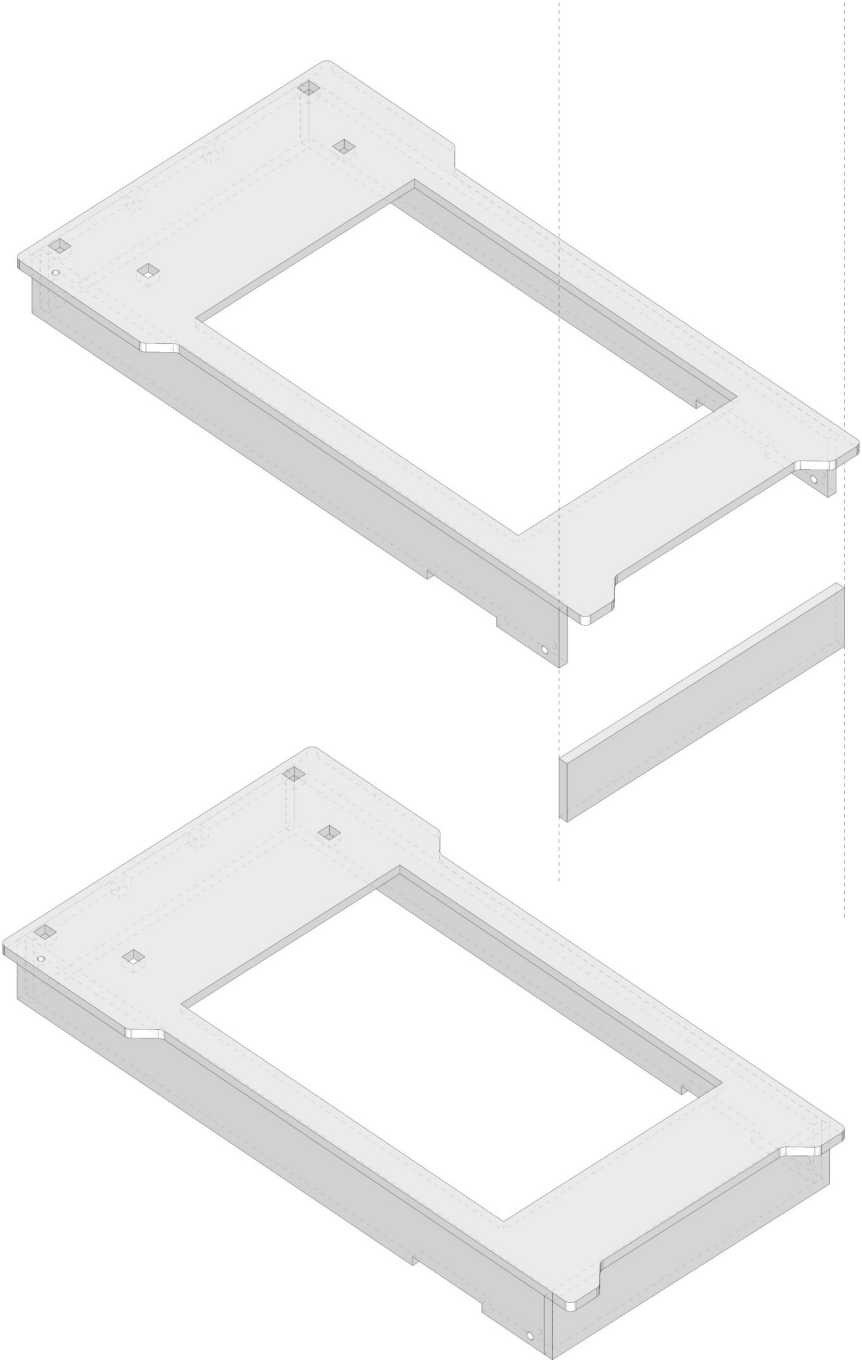
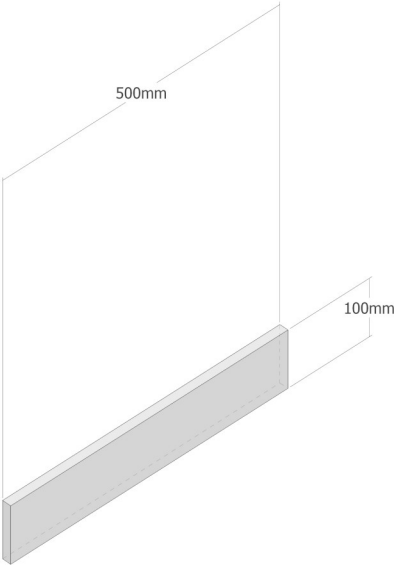


Assemblage de la caisse

Positionnement des vis



Assemblage de la caisse 4/4



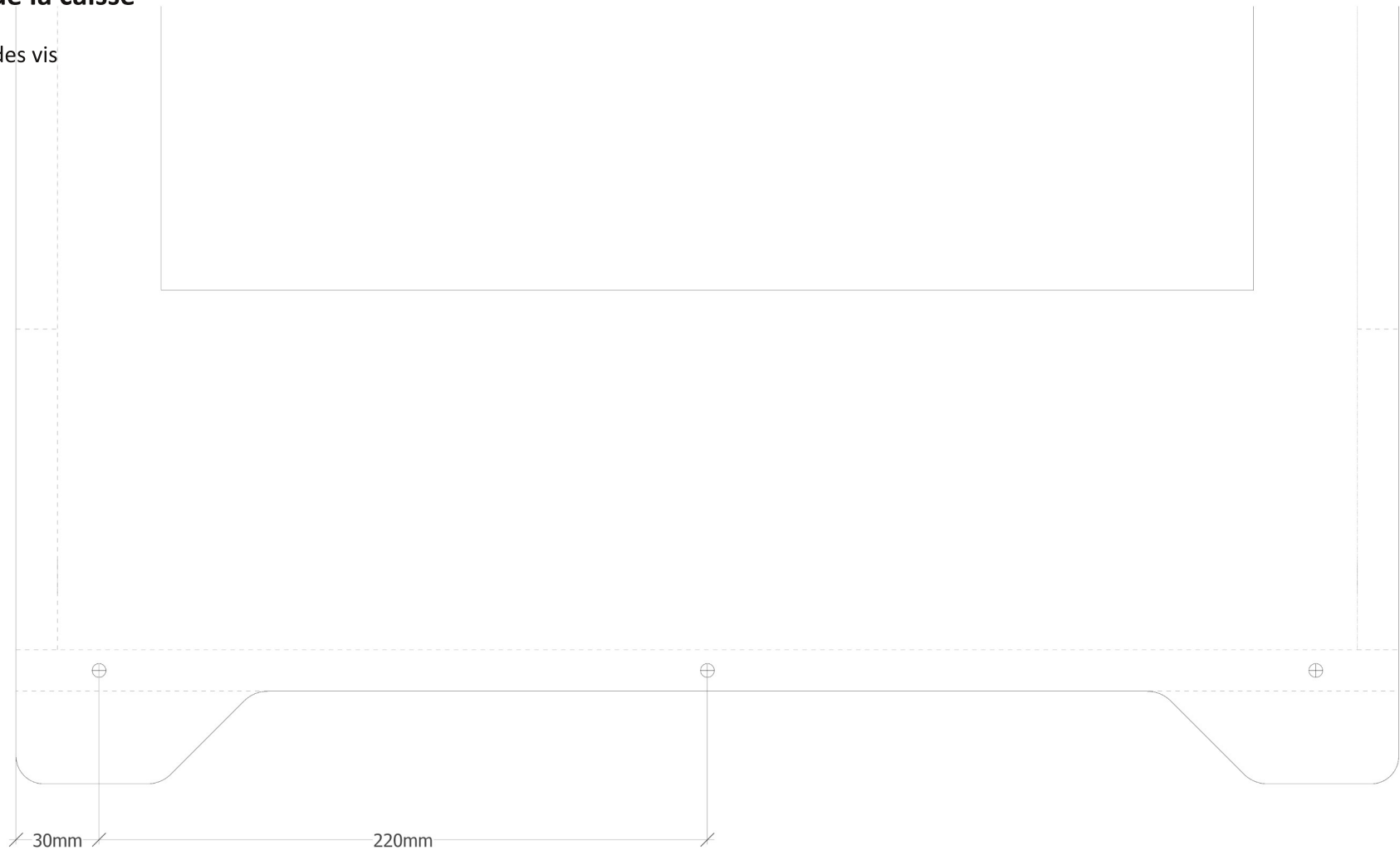
Assemblage de la caisse

Positionnement des vis



Assemblage de la caisse

Positionnement des vis



Assemblage de la structure interne

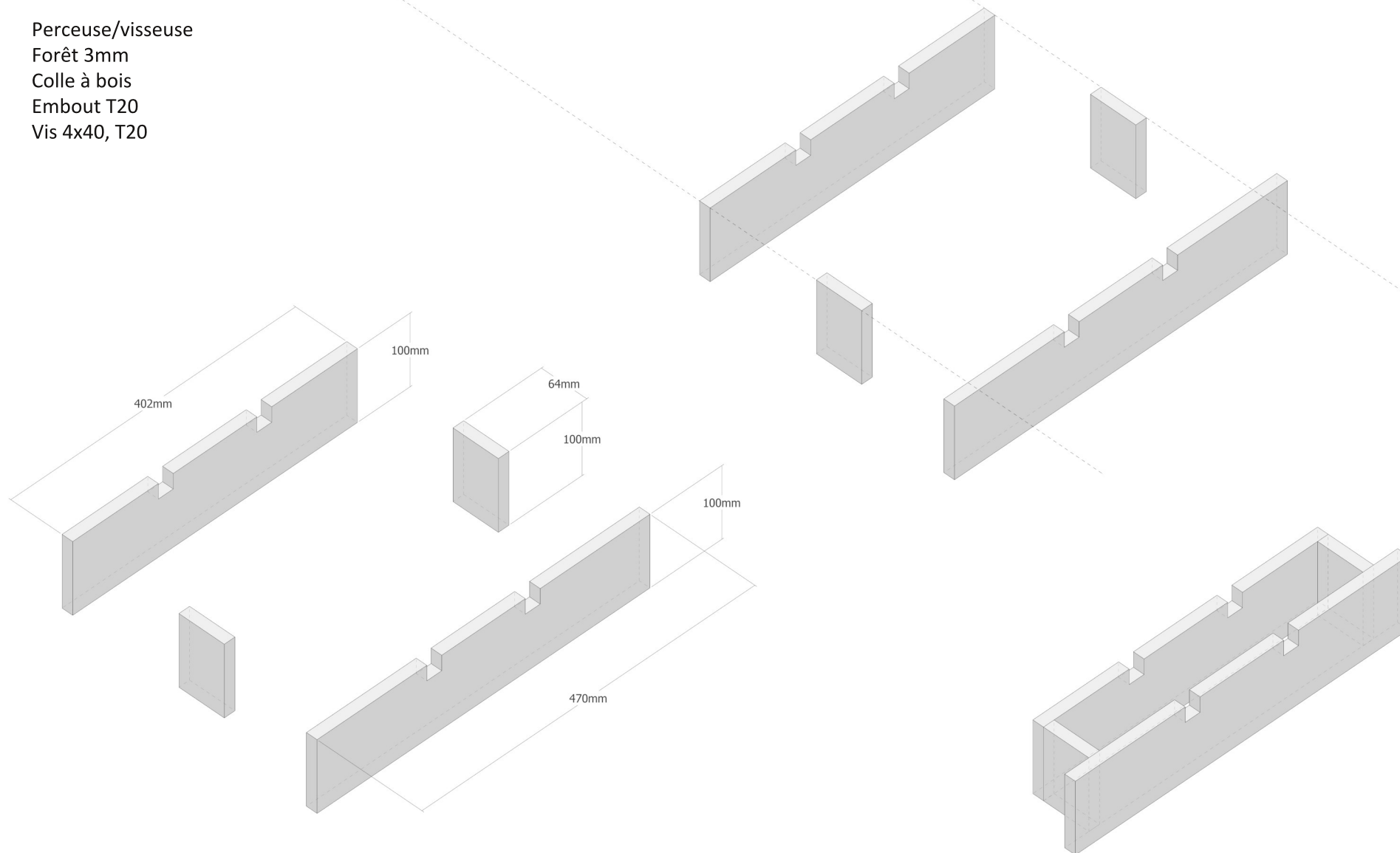
Perceuse/visseuse

Forêt 3mm

Colle à bois

Embout T20

Vis 4x40, T20



Assemblage de la structure interne

Positionnement des vis



Fixation de la structure interne

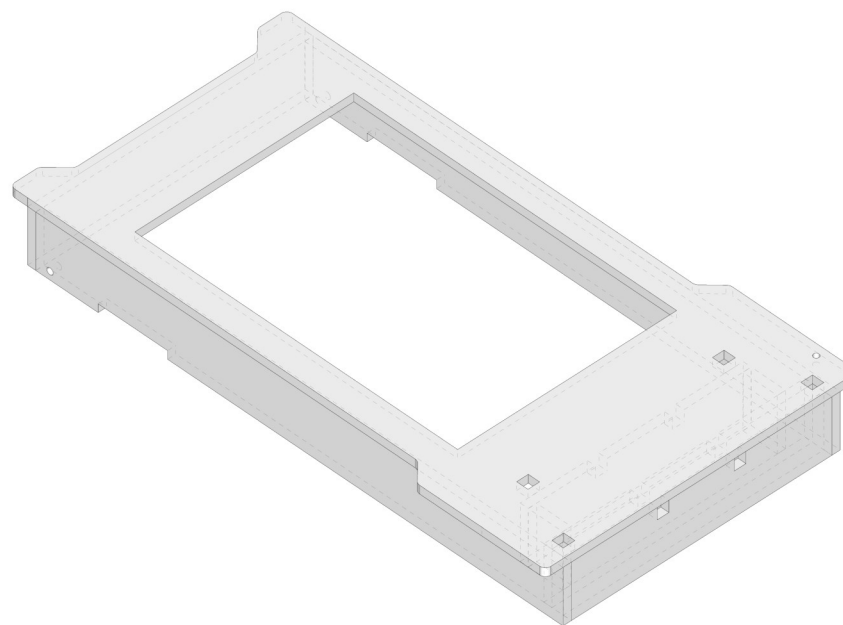
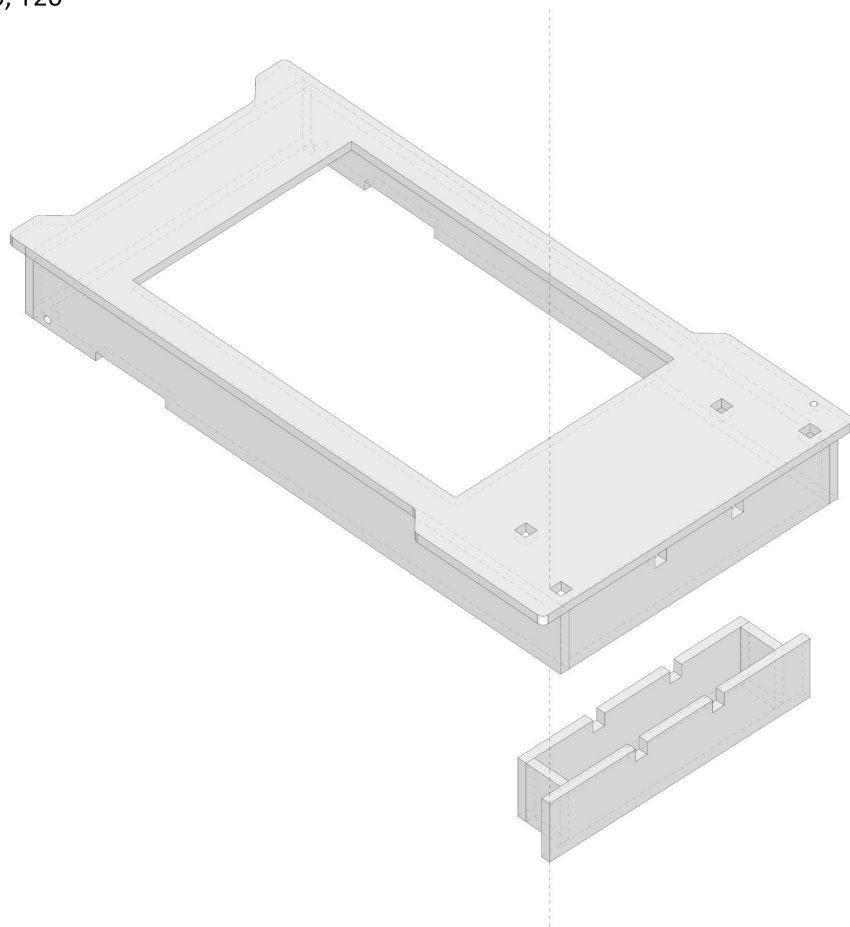
Perceuse/visseuse

Forêt 3mm

Colle à bois

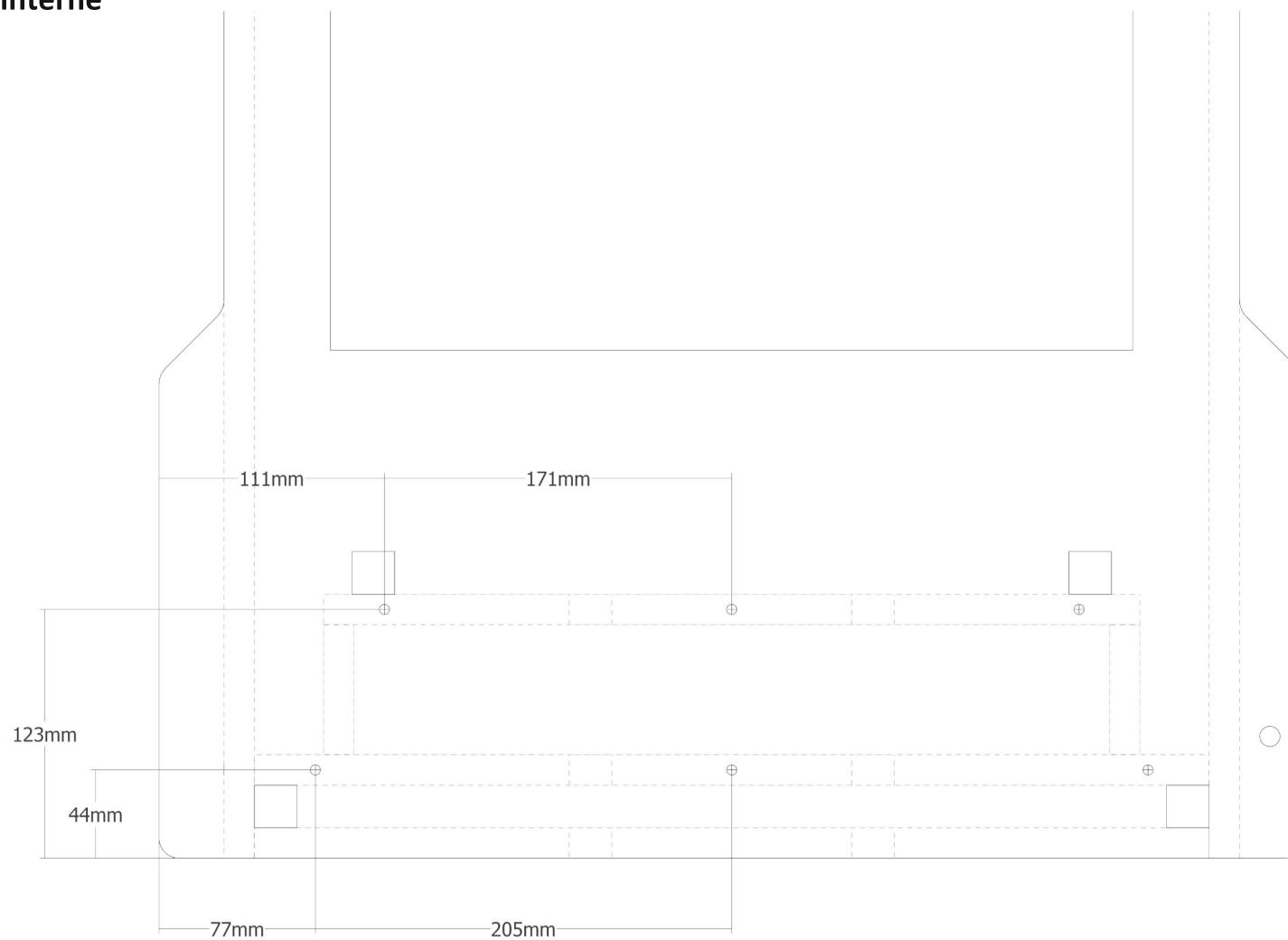
Embout T20

Vis 4x40, T20



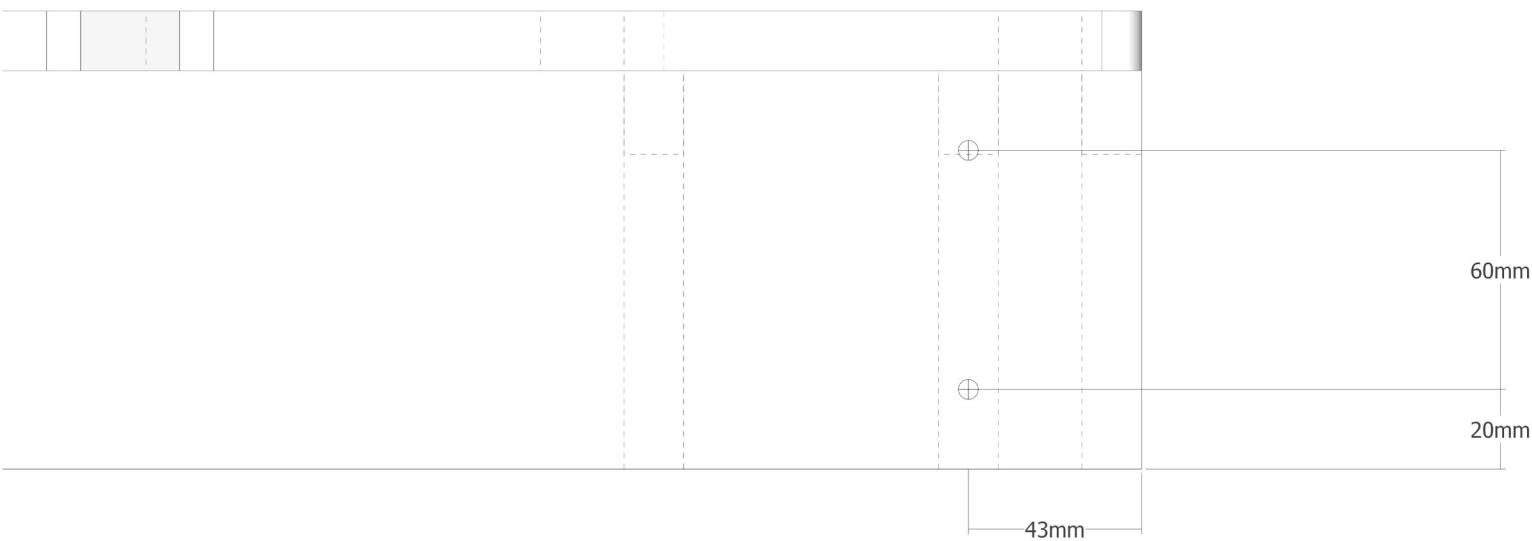
Fixation de la structure interne

Positionnement des vis



Fixation de la structure interne

Positionnement des vis



Assemblage des tiroirs

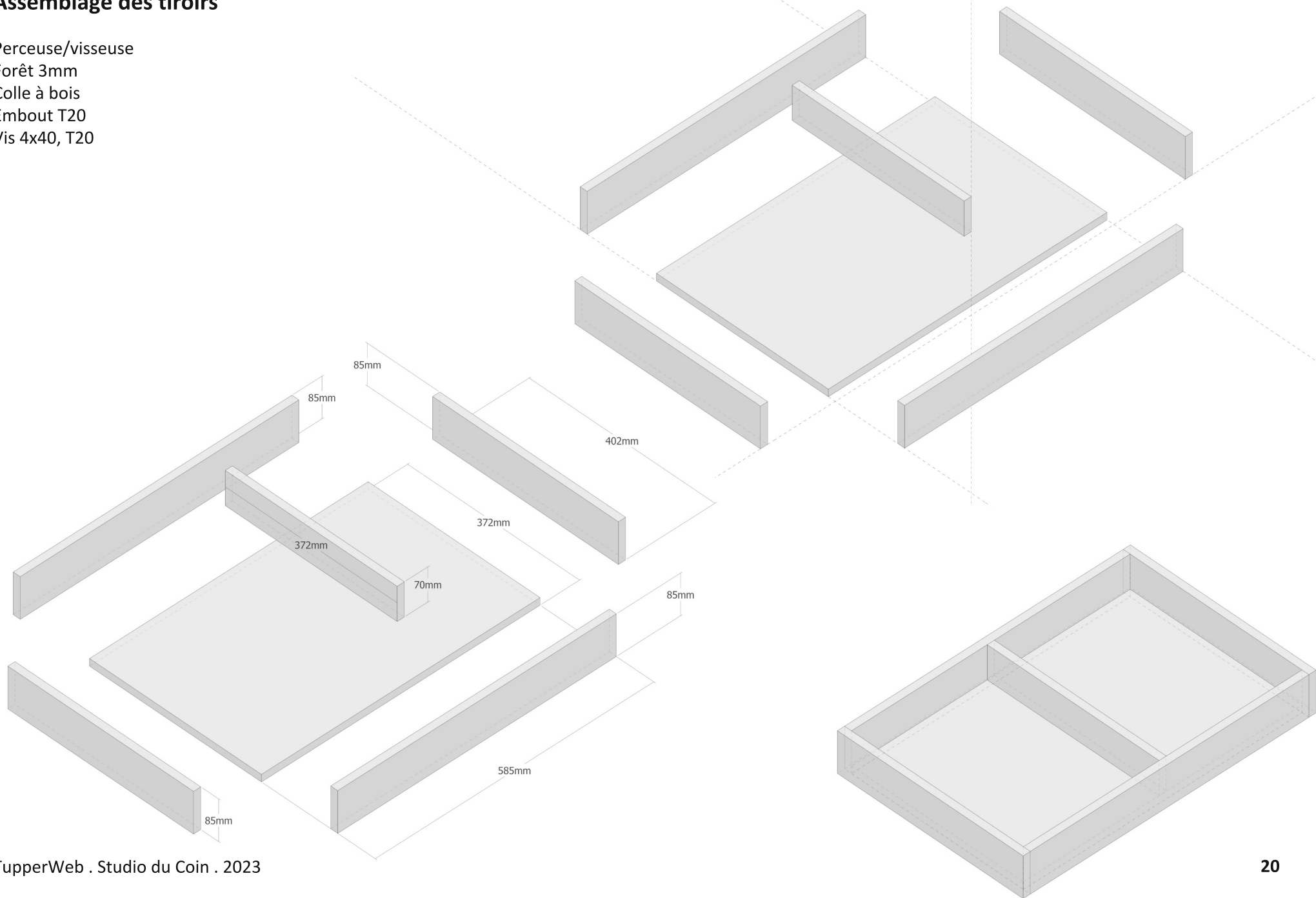
Perceuse/visseuse

Forêt 3mm

Colle à bois

Embout T20

Vis 4x40, T20



Assemblage des tiroirs

Positionnement des vis



Fixation des tiroirs

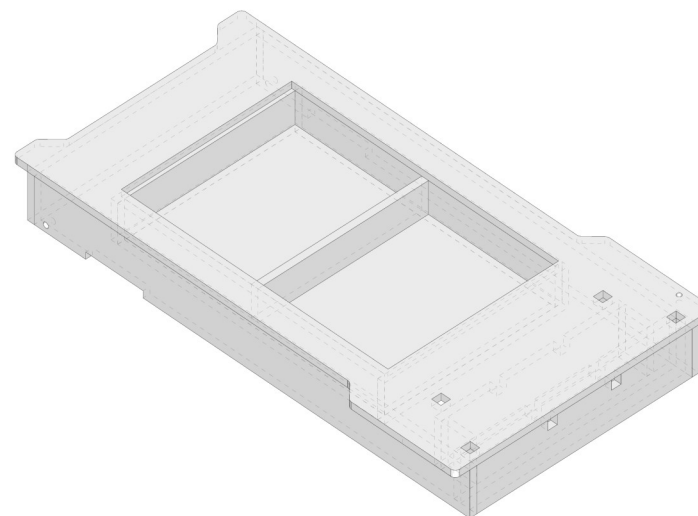
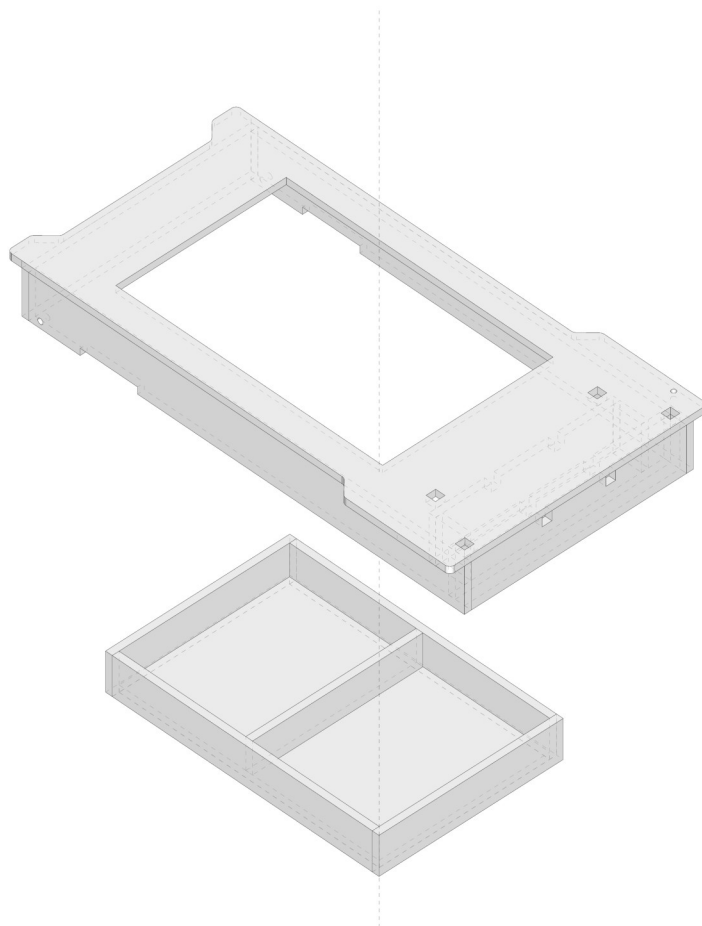
Perceuse/visseuse

Forêt 3mm

Colle à bois

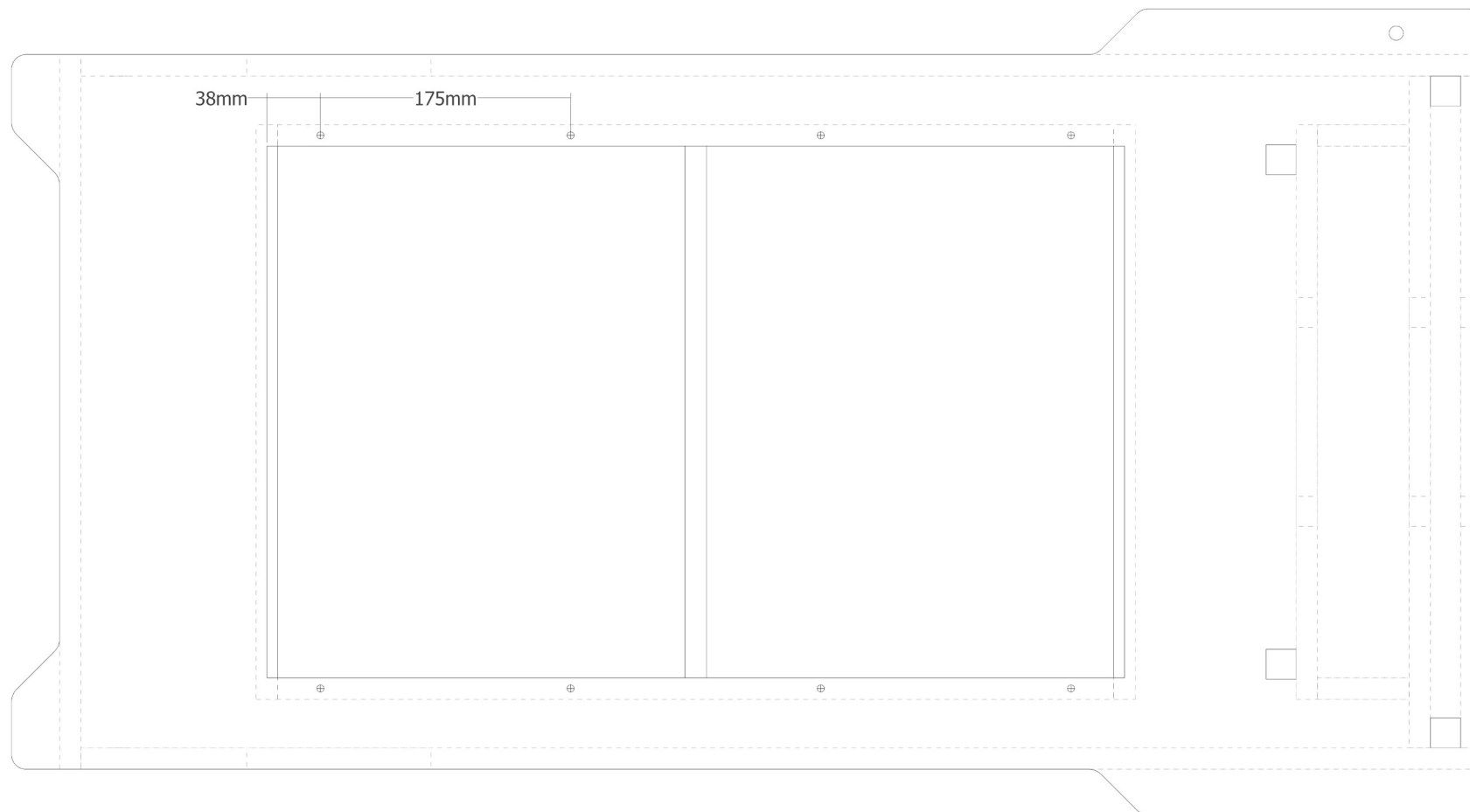
Embout T20

Vis 4x40, T20



Fixation des tiroirs

Positionnement des vis



Assemblage des piétement 1/2

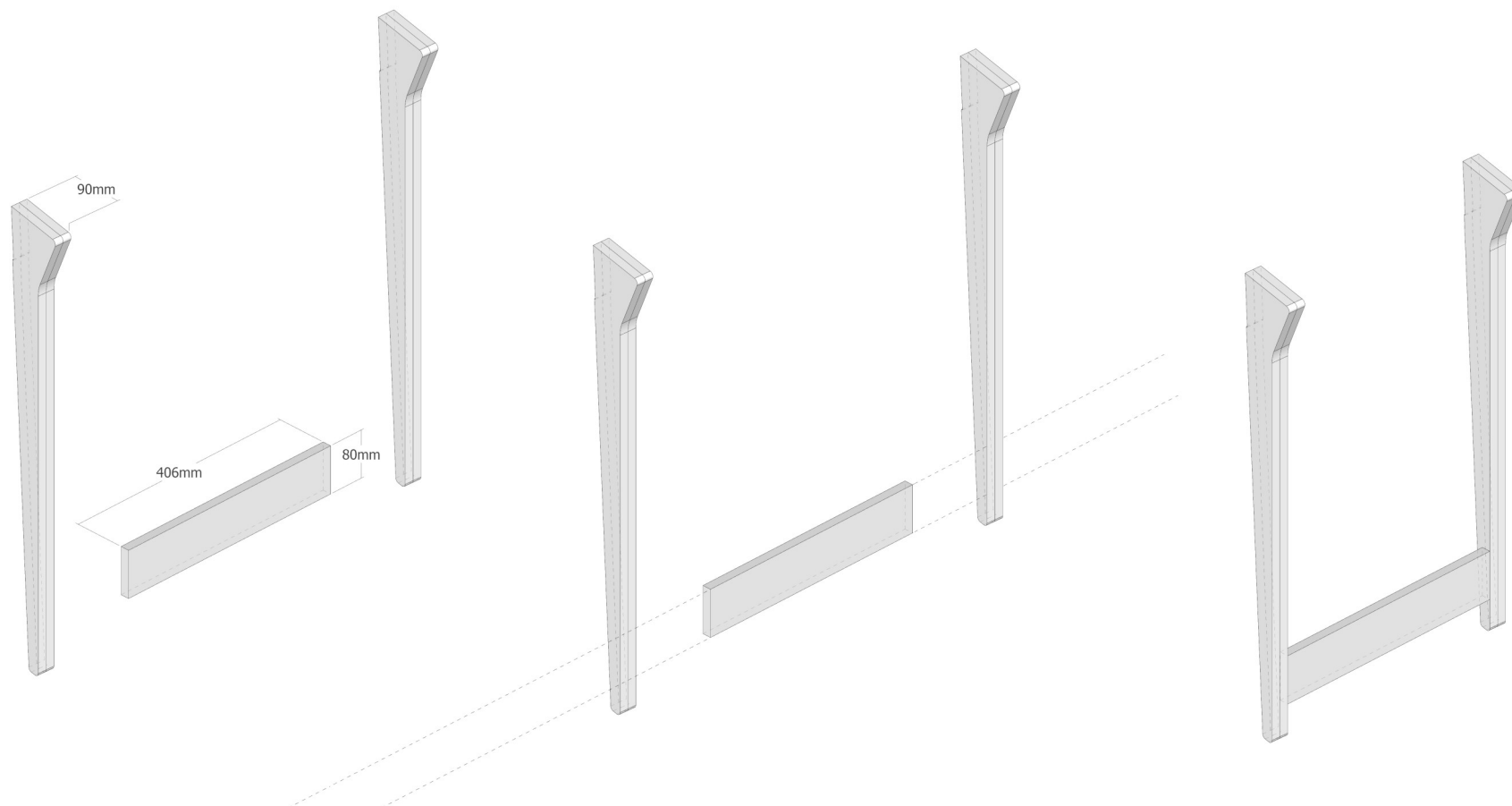
Perceuse/visseuse

Forêt 5mm

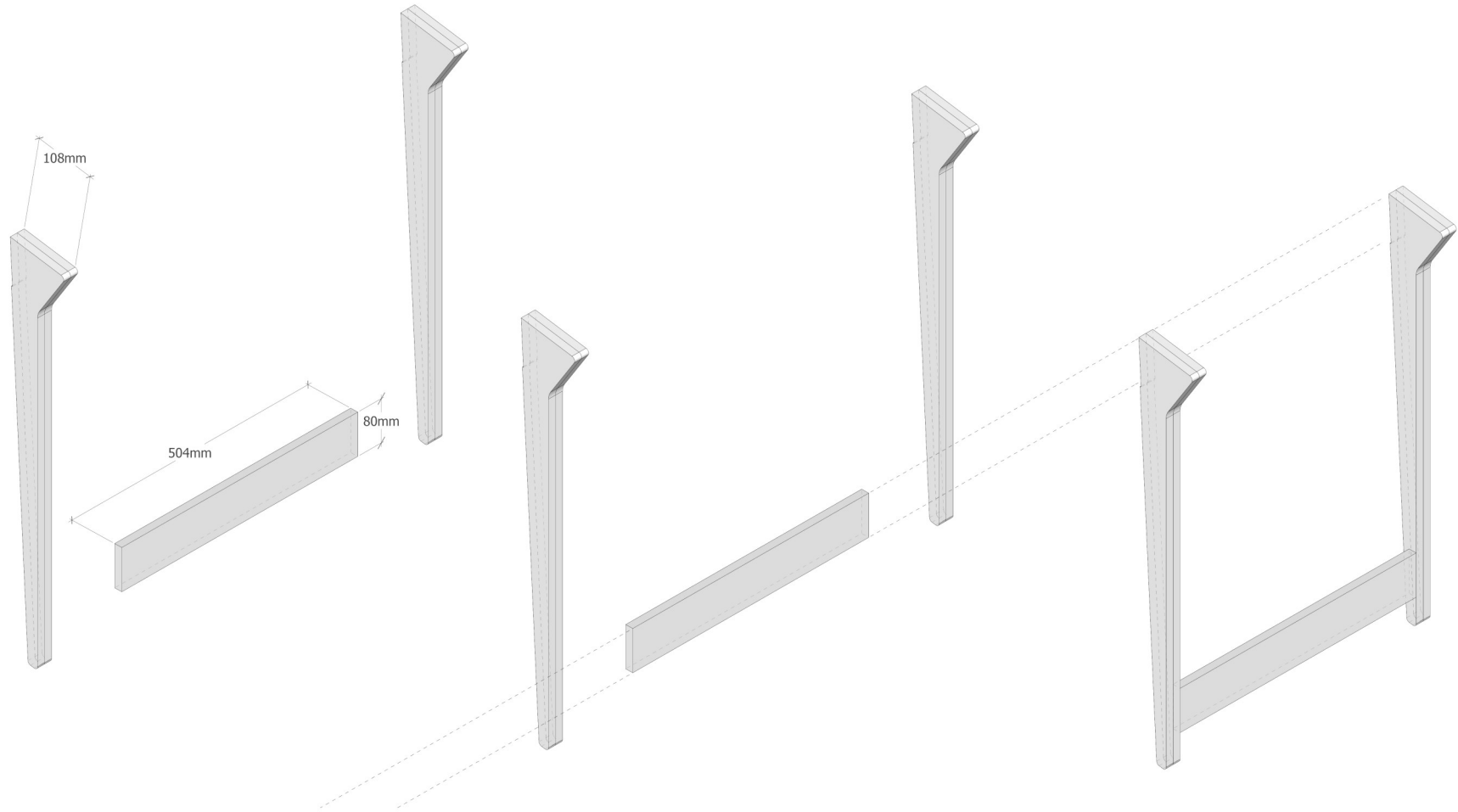
Colle à bois

Embout T30

Vis 6x80, T30

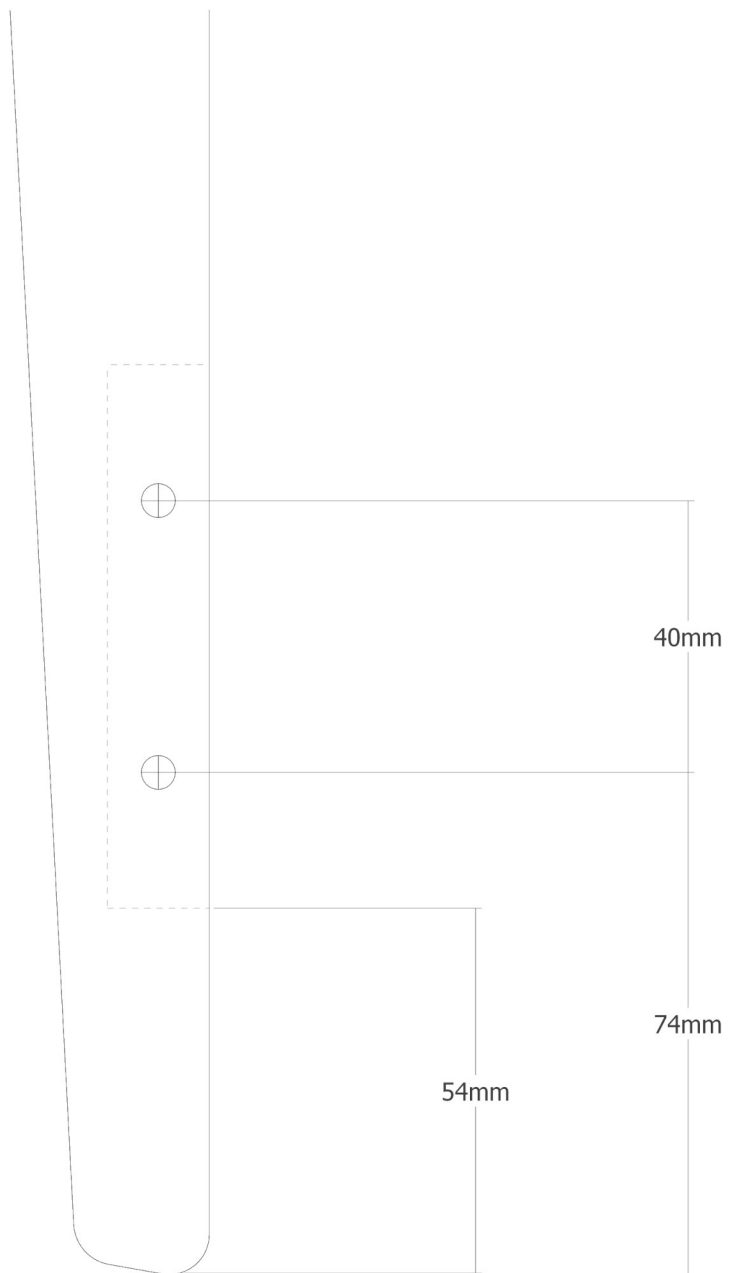


Assemblage des piétement 2/2



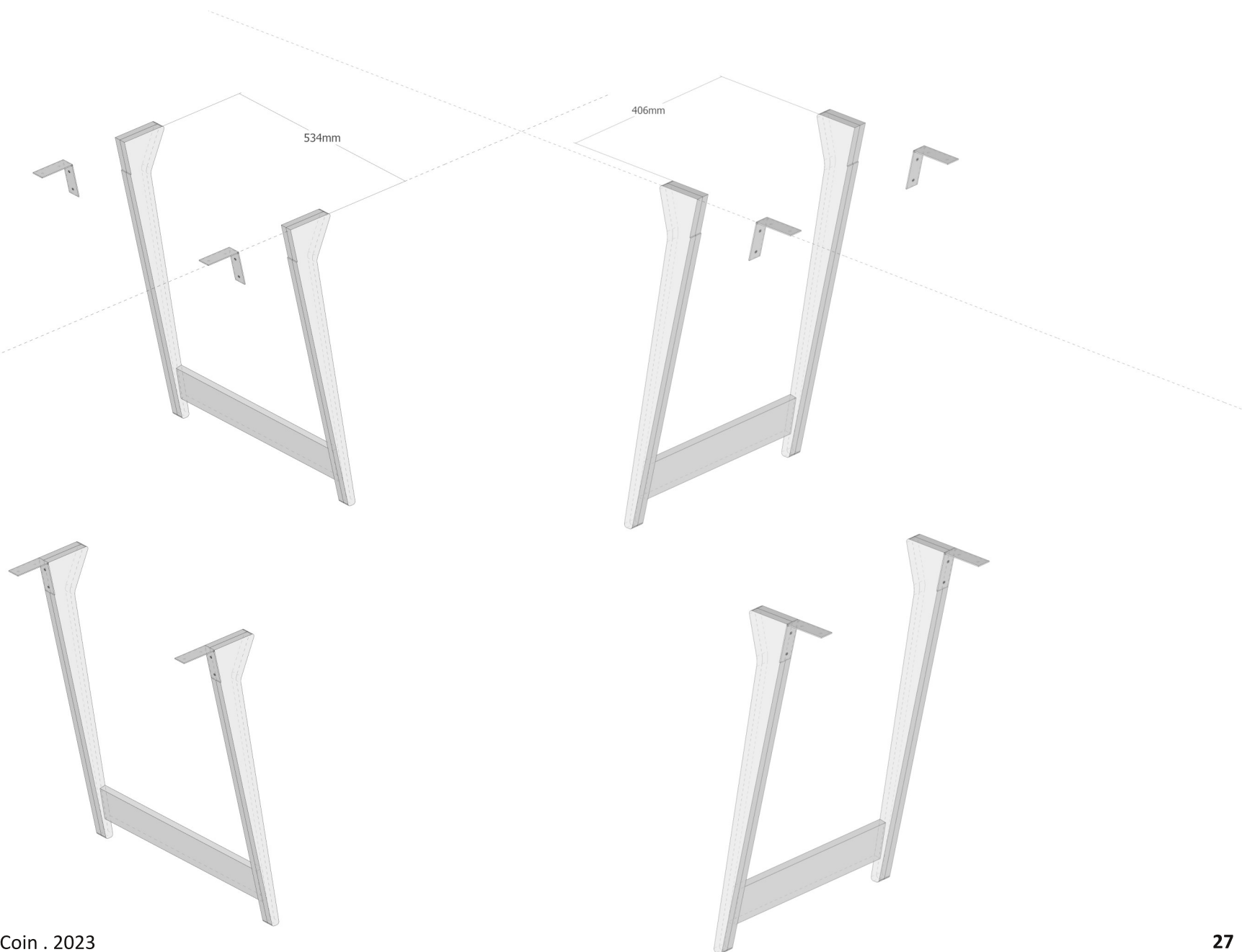
Assemblage des piétements

Positionnement des vis



Fixation des charnières aux piétements

Perceuse/visseuse
Forêt 3mm
Embout T20
Vis 4x40, T20
Charnières 160x30mm



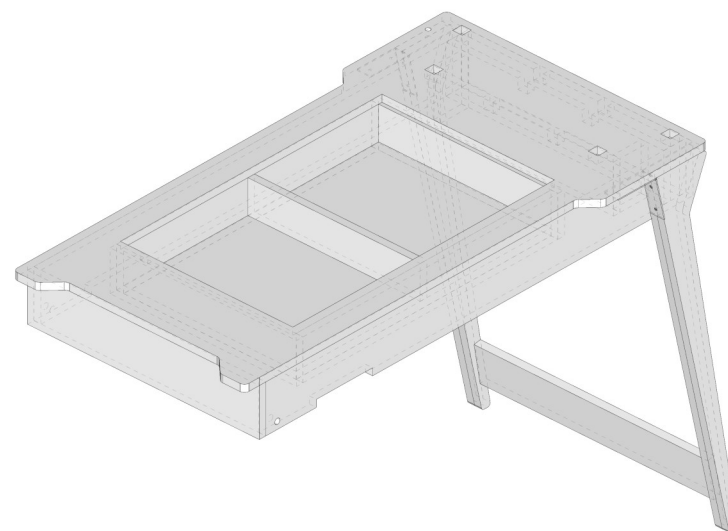
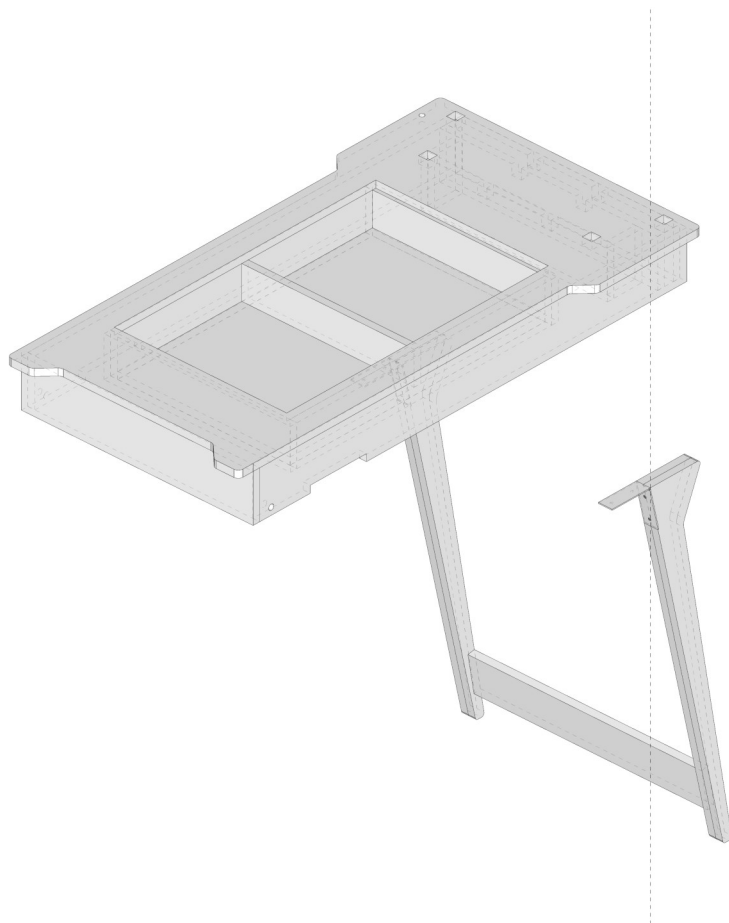
Fixation des piétements à la caisse 1/2

Perceuse/visseuse

Forêt 3mm

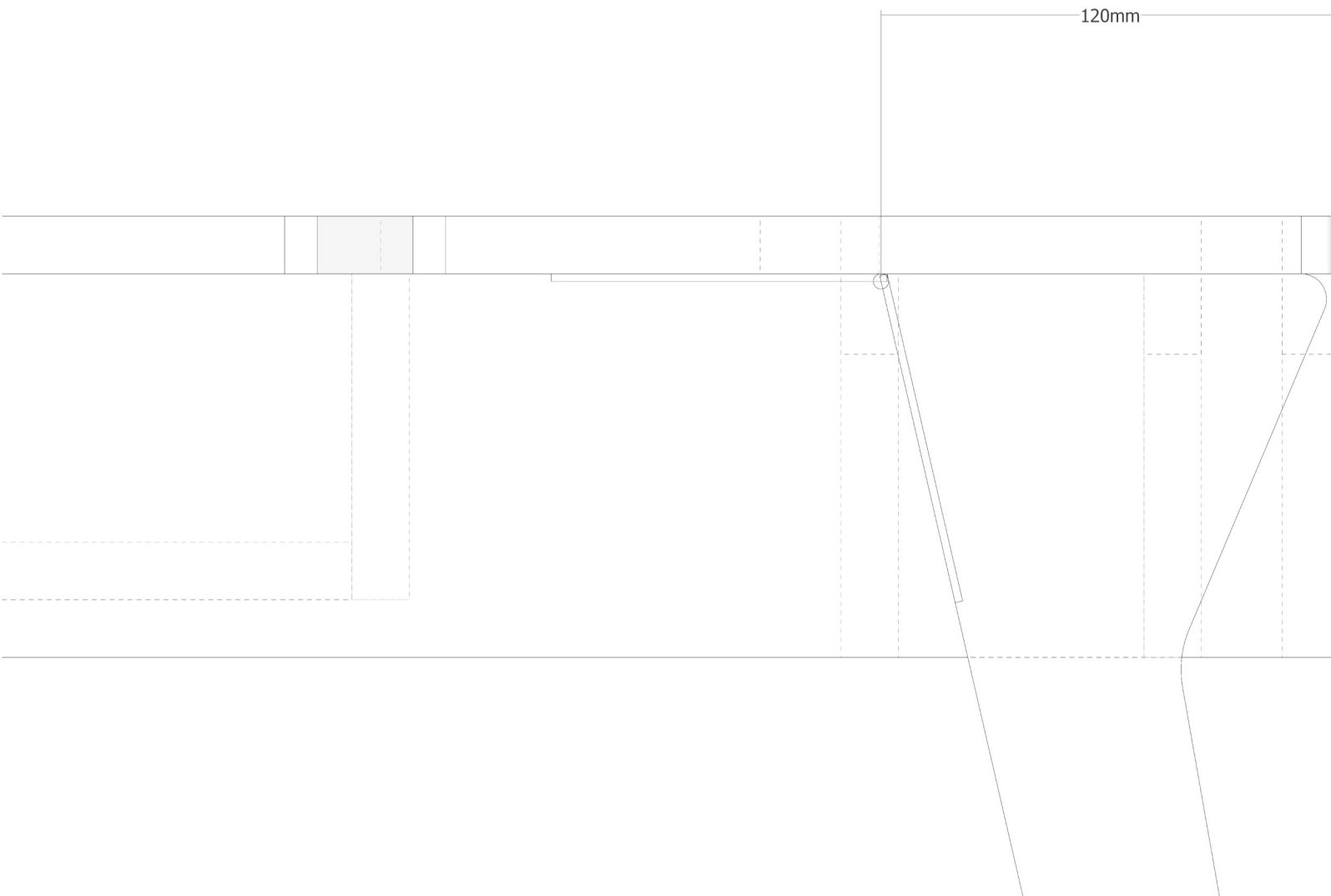
Embout T10

Vis 3x12, T10



Fixation des piétements à la caisse 1/2

Positionnement



Fixation des piétements à la caisse 2/2

Perceuse/visseuse

Forêt 3mm

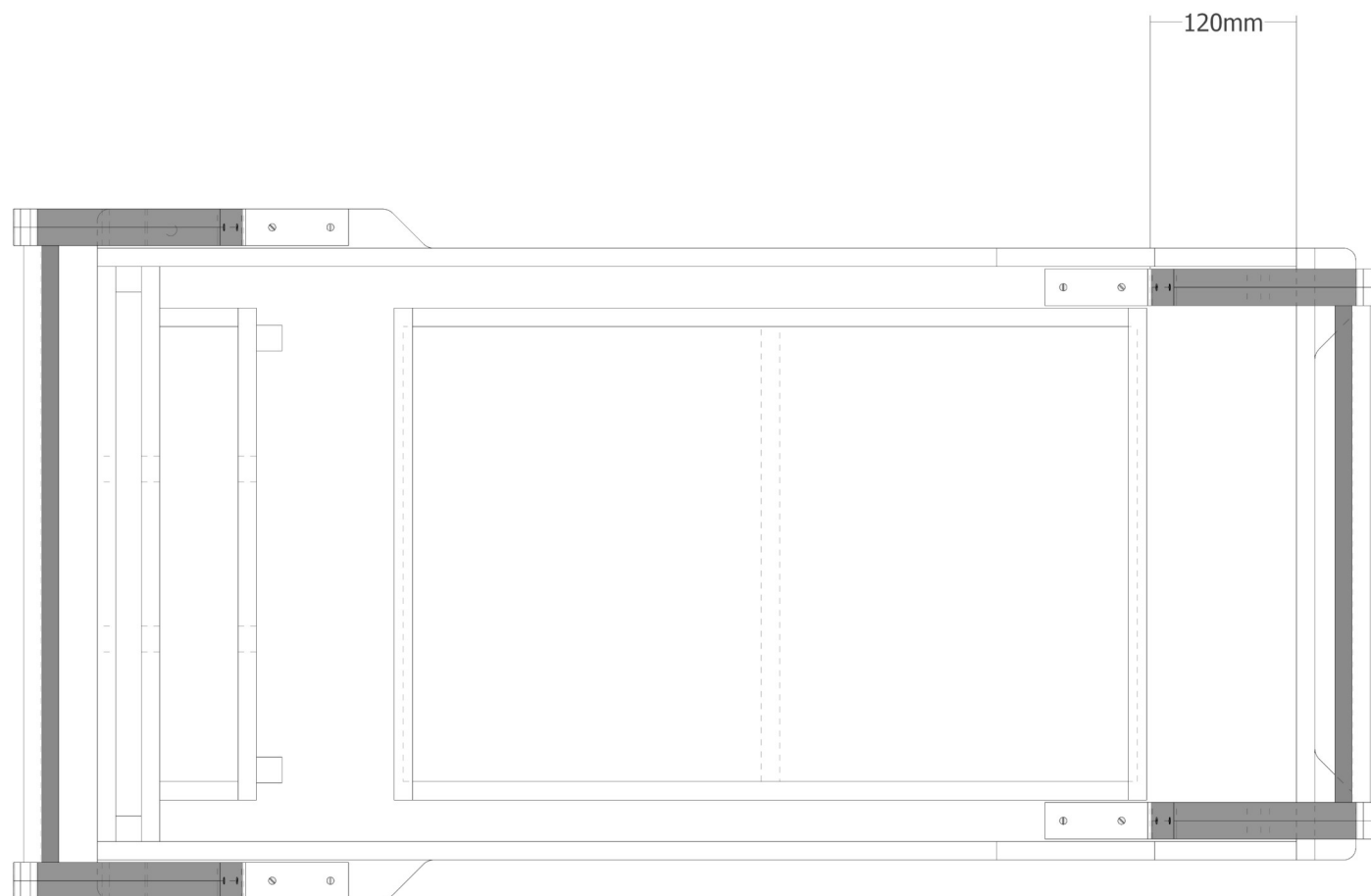
Embout T10

Vis 3x12, T10



Fixation des piétements à la caisse 1/2

Positionnement



Fixation des portes des tiroirs

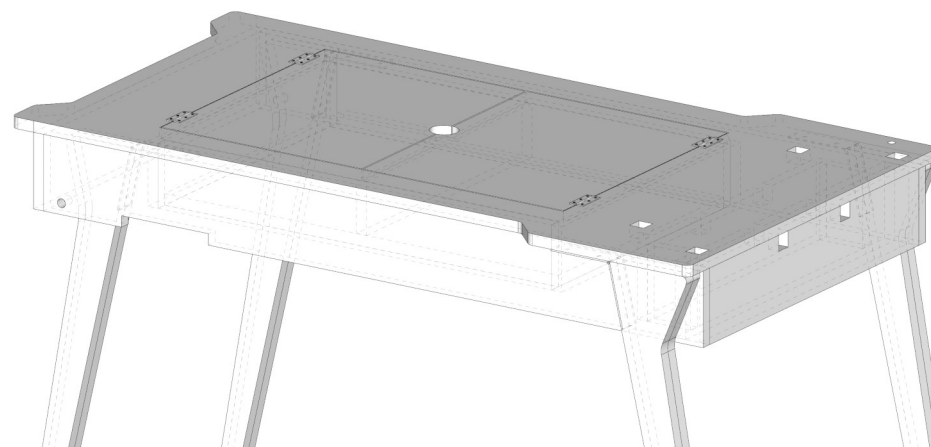
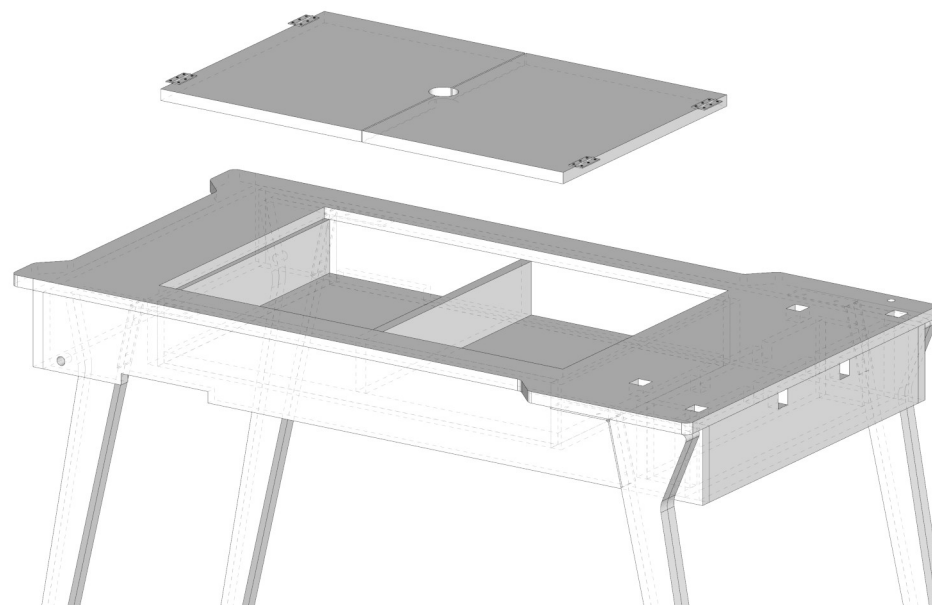
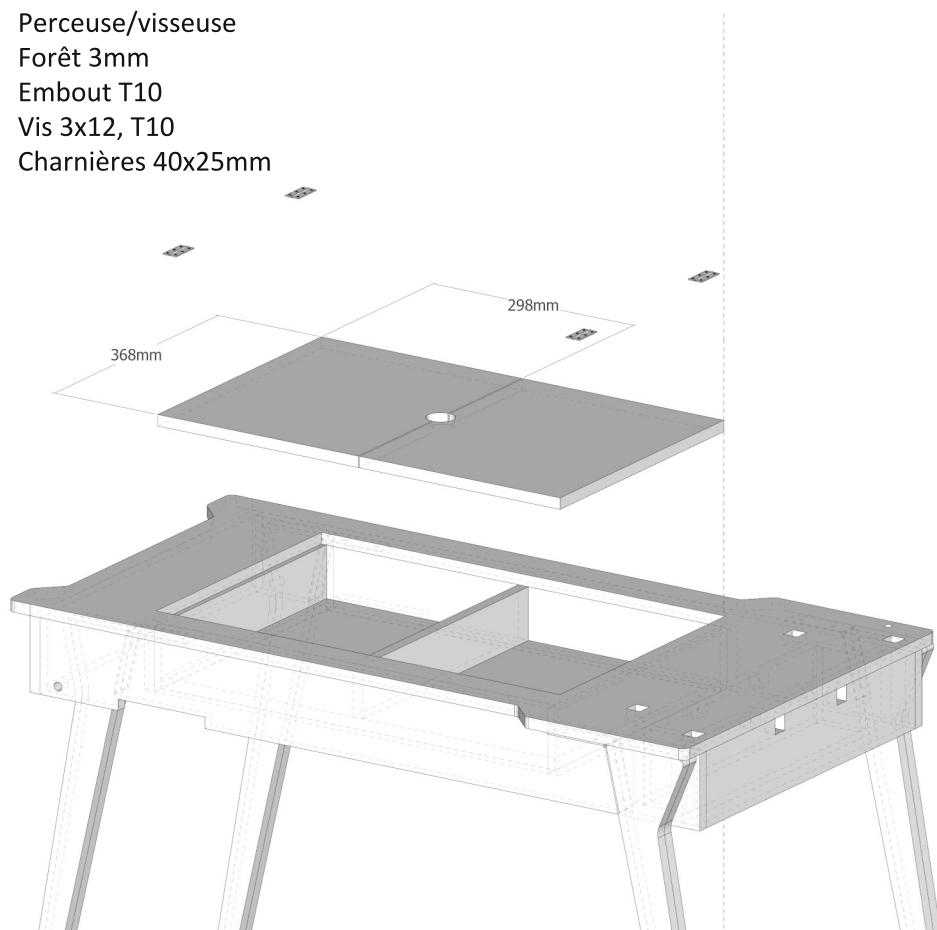
Perceuse/visseuse

Forêt 3mm

Embout T10

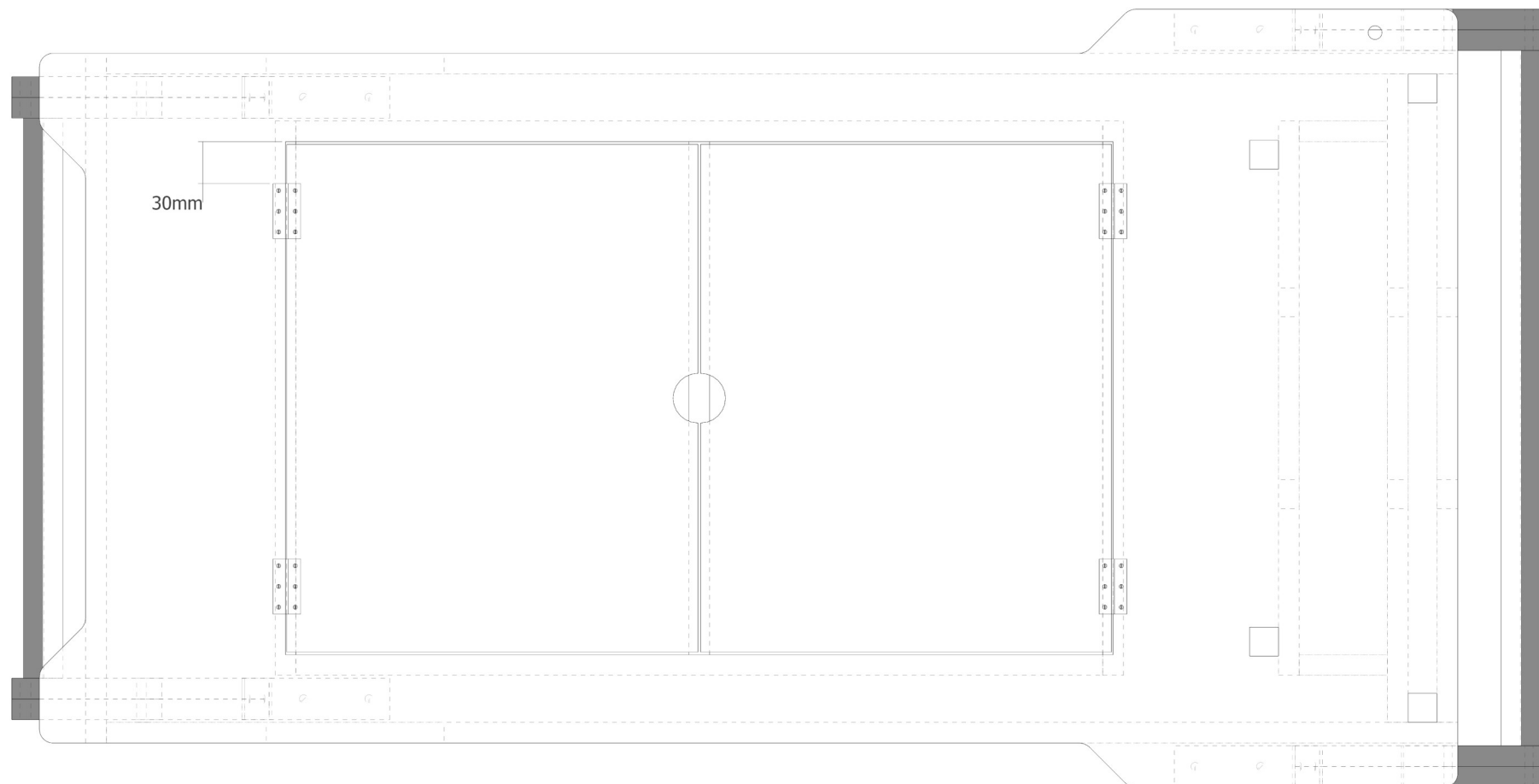
Vis 3x12, T10

Charnières 40x25mm

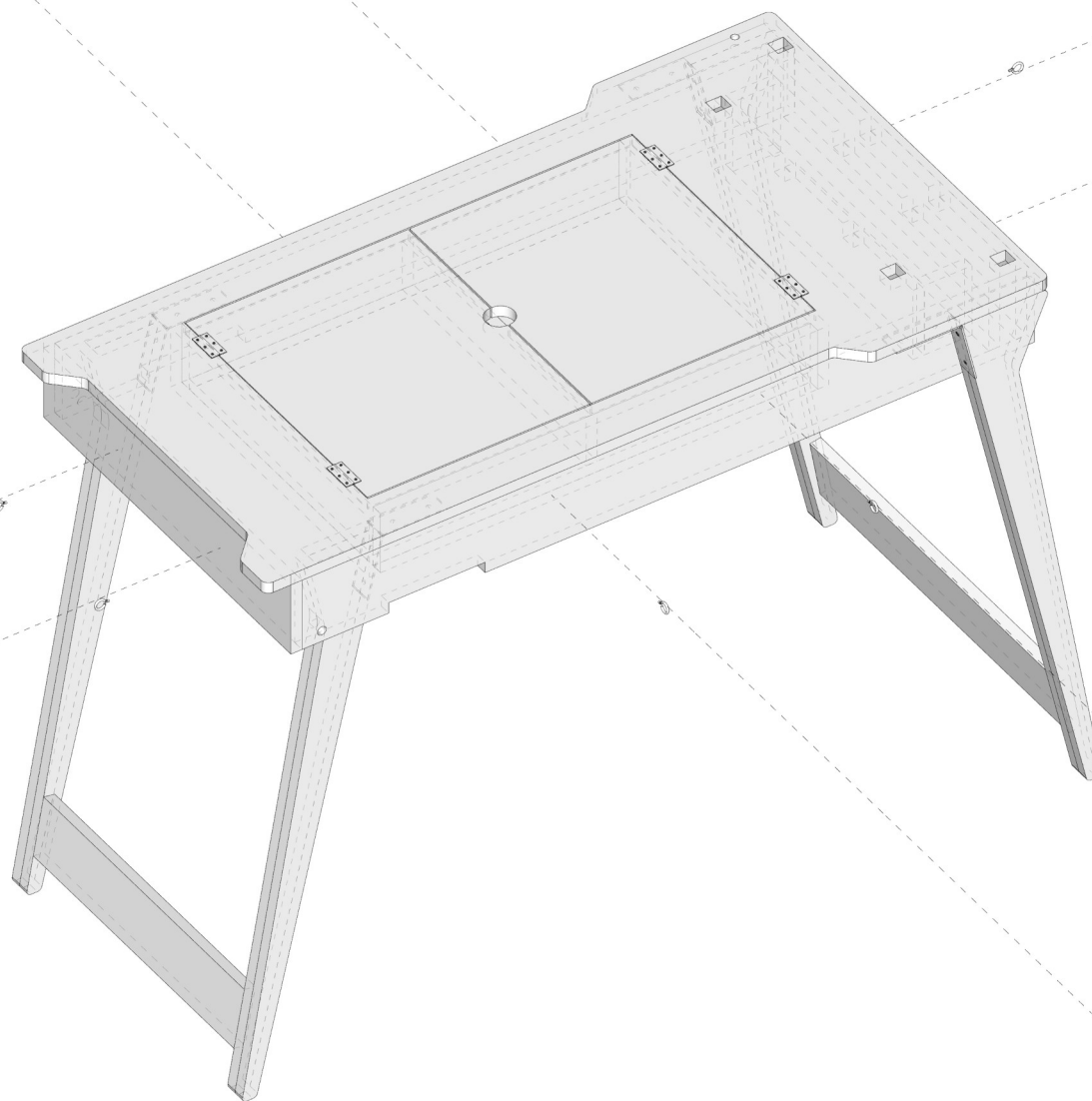


Fixation des portes des tiroirs

Positionnement des charnières



Fixation des pitons à visser

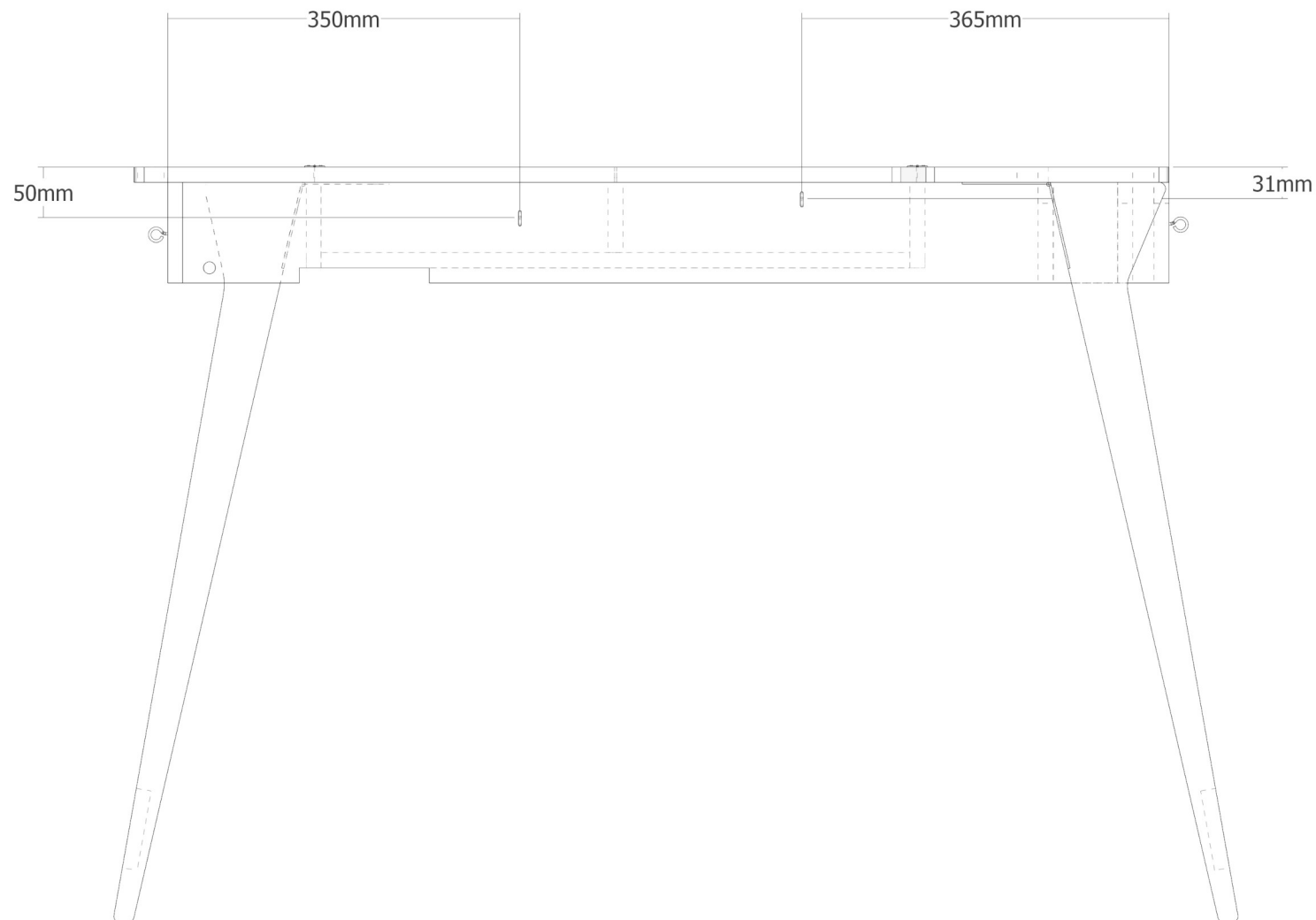


Fixation des pitons à visser



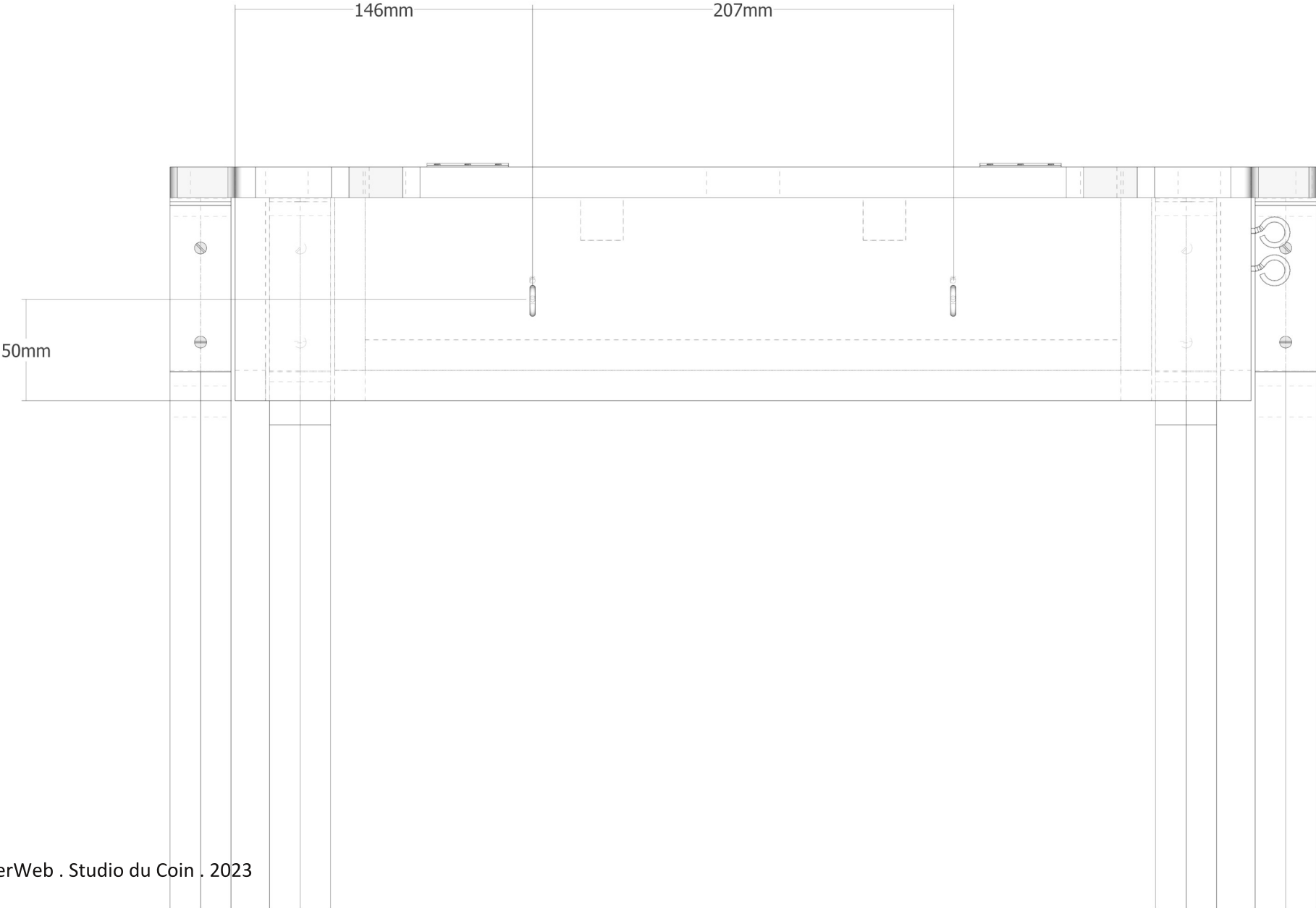
Fixation des pitons à visser

Positionnement des pitons



Fixation des pitons à visser

Positionnement des pitons

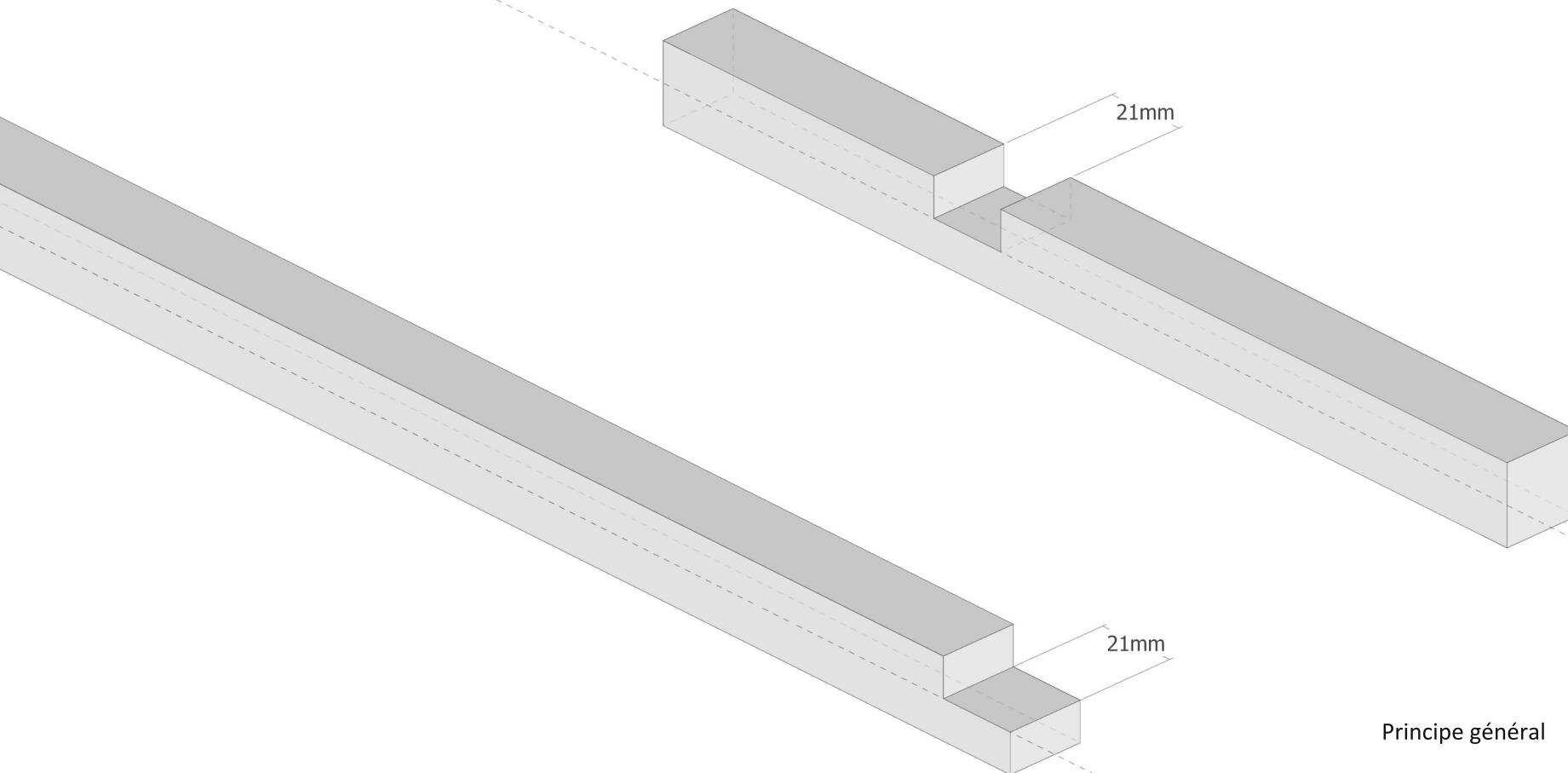


Usinage du chêne massif

Chêne massif 21x21mm

Scie à onglet

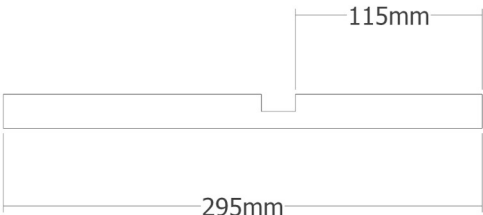
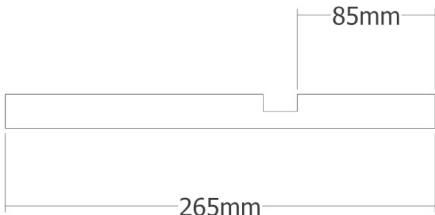
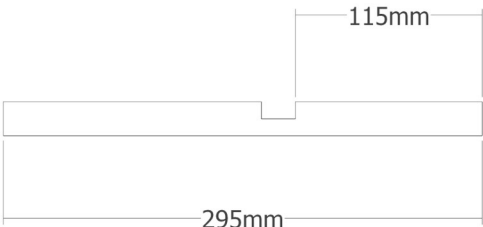
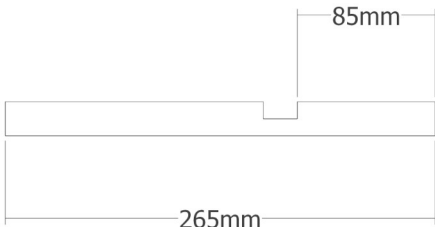
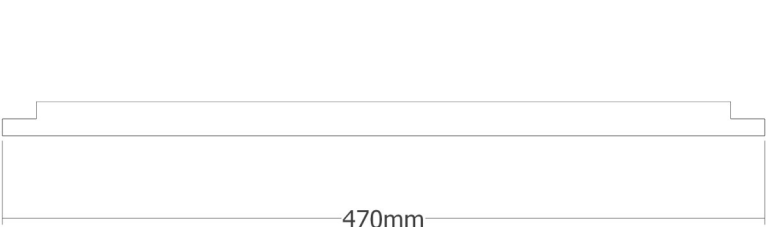
Papier ponce



Principe général

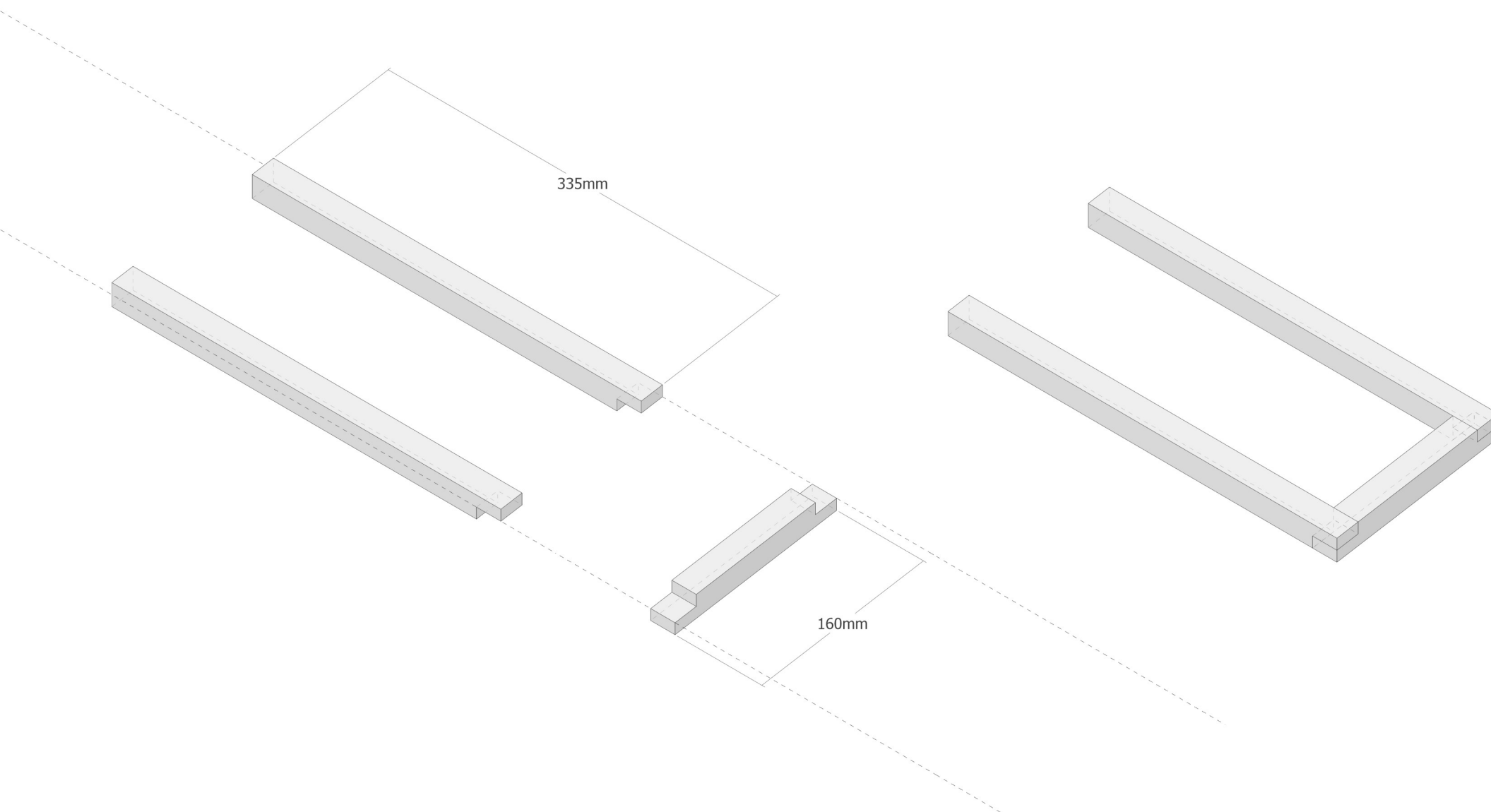
Usinage du chêne massif

Cotations



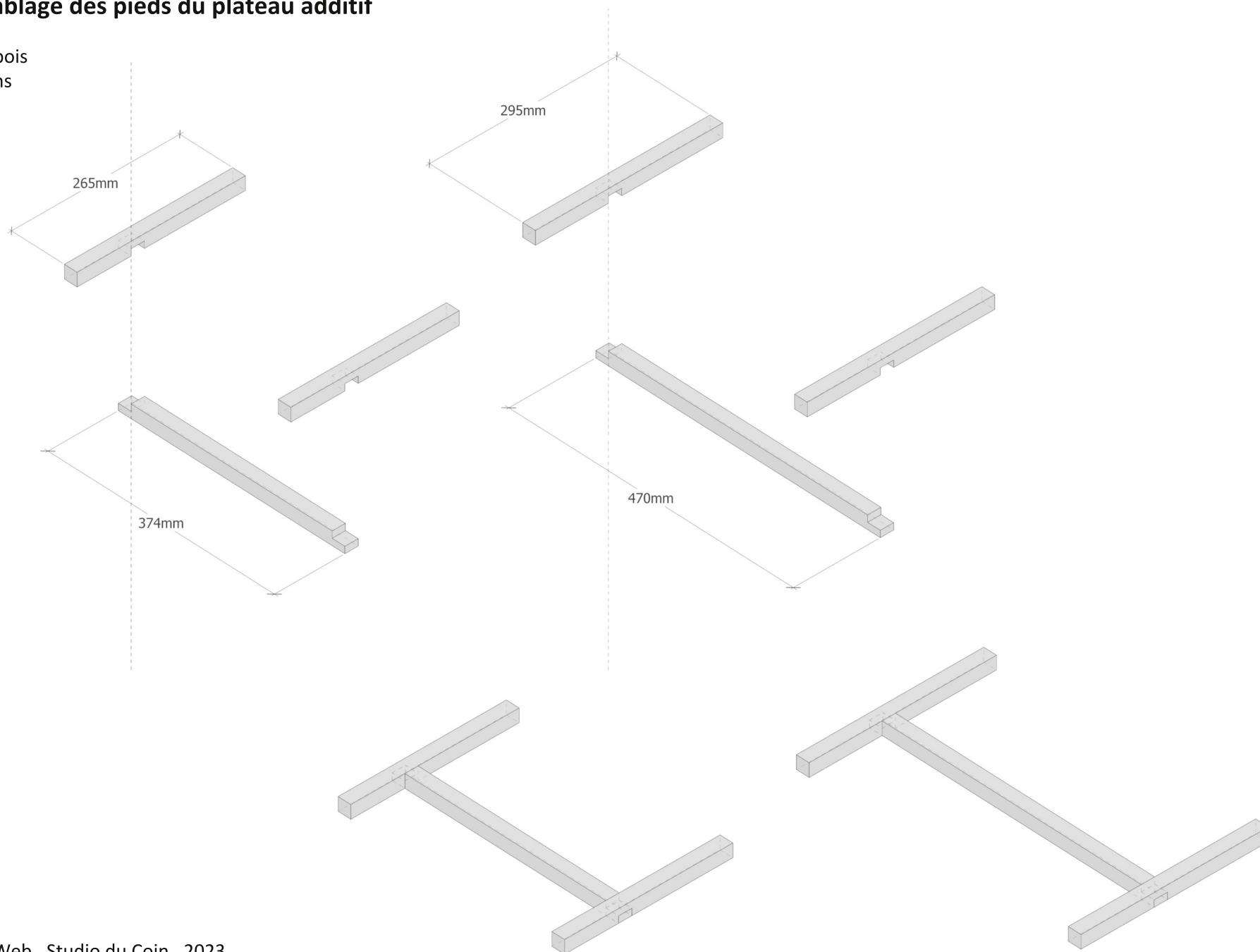
Assemblage de la poignée

Colle à bois
Sert-joins



Assemblage des pieds du plateau additif

Colle à bois
Sert-joins



Fixation de la poignée

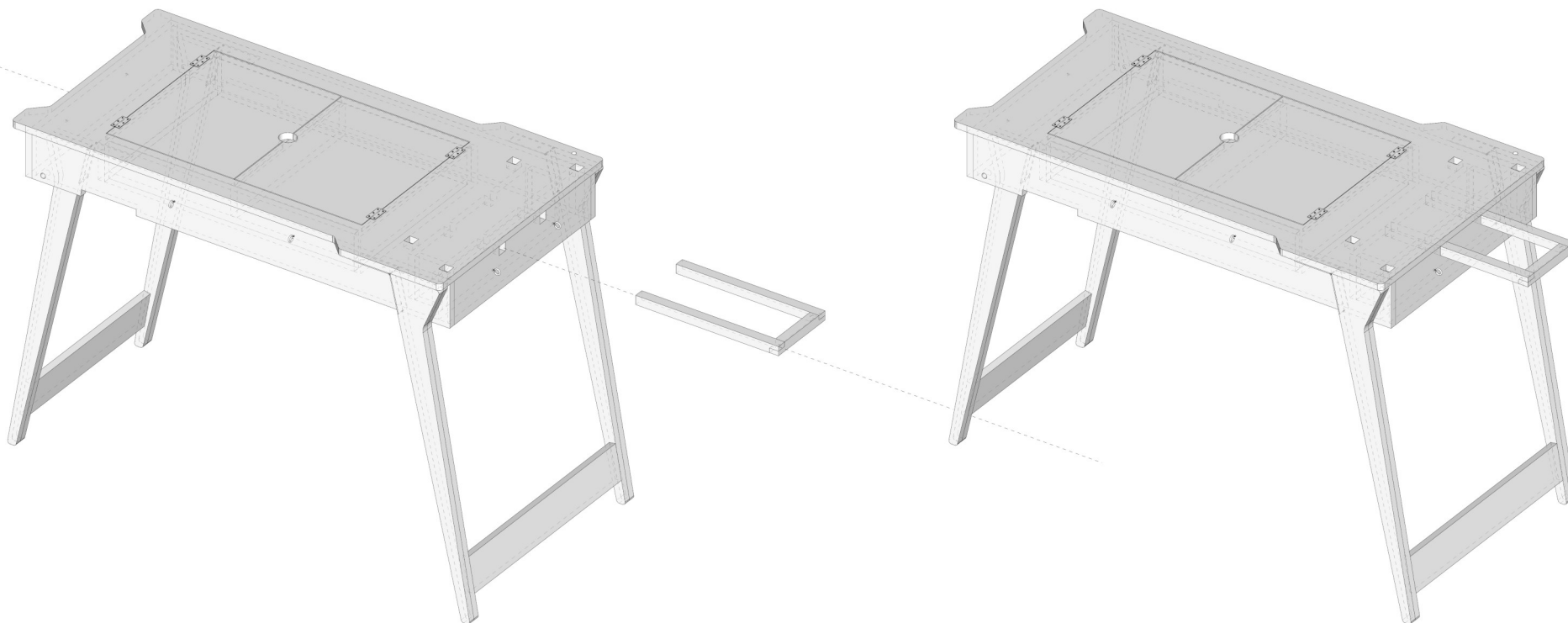
Perceuse/visseuse

Forêt 3mm

Embout T10

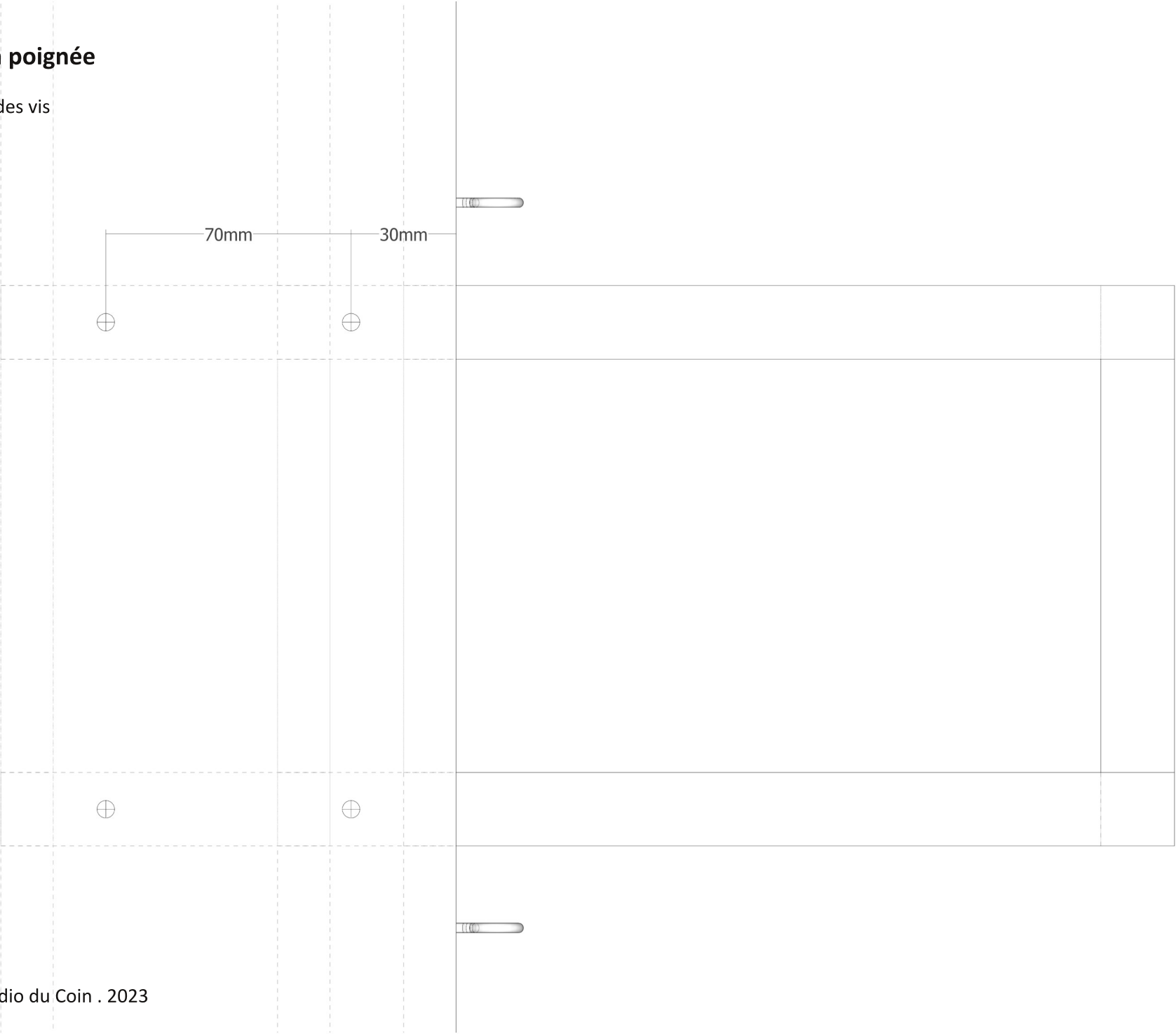
Vis 3x30mm, T10

Colle à bois



Fixation de la poignée

Positionnement des vis



Fixation des charnières aux piétements du plateau additif

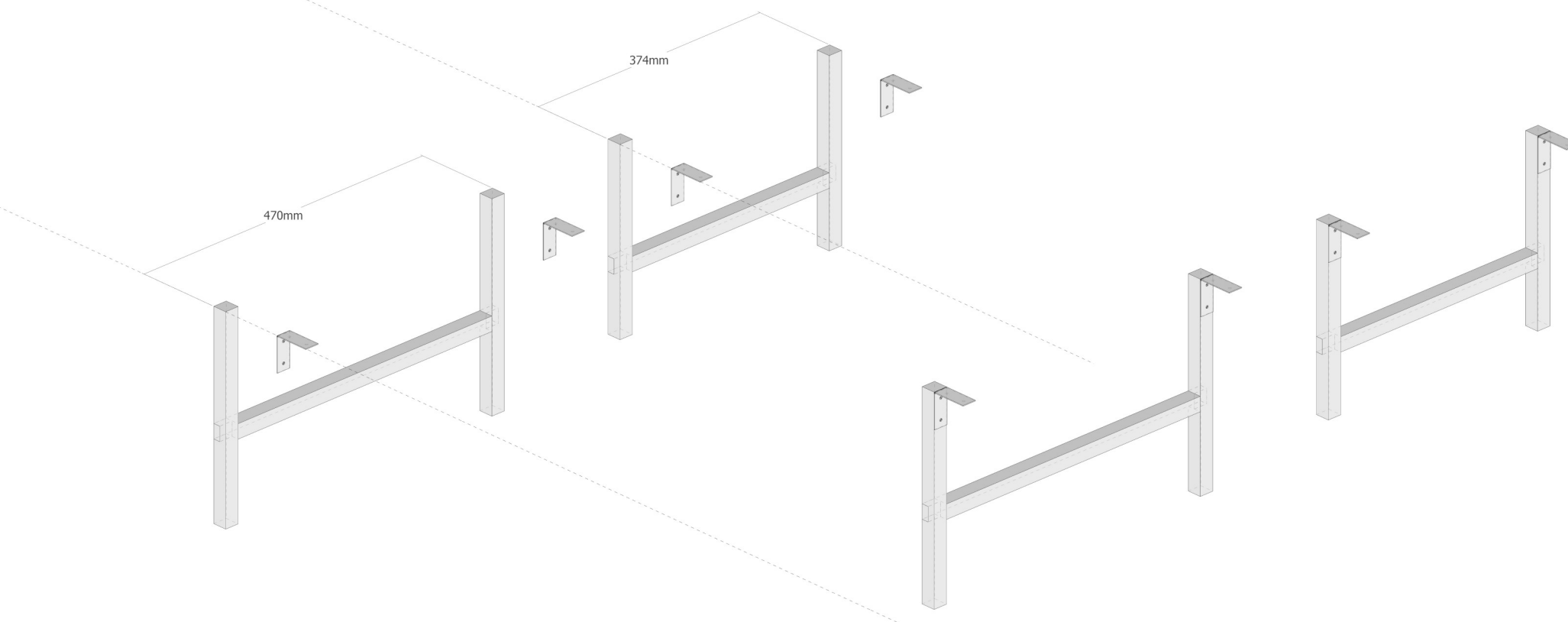
Perceuse/visseuse

Forêt 3mm

Embout T10

Vis 3x12mm, T10

Charnières 80x20mm



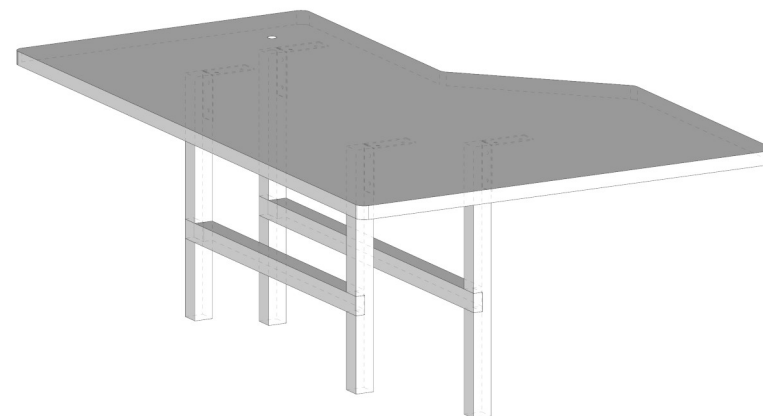
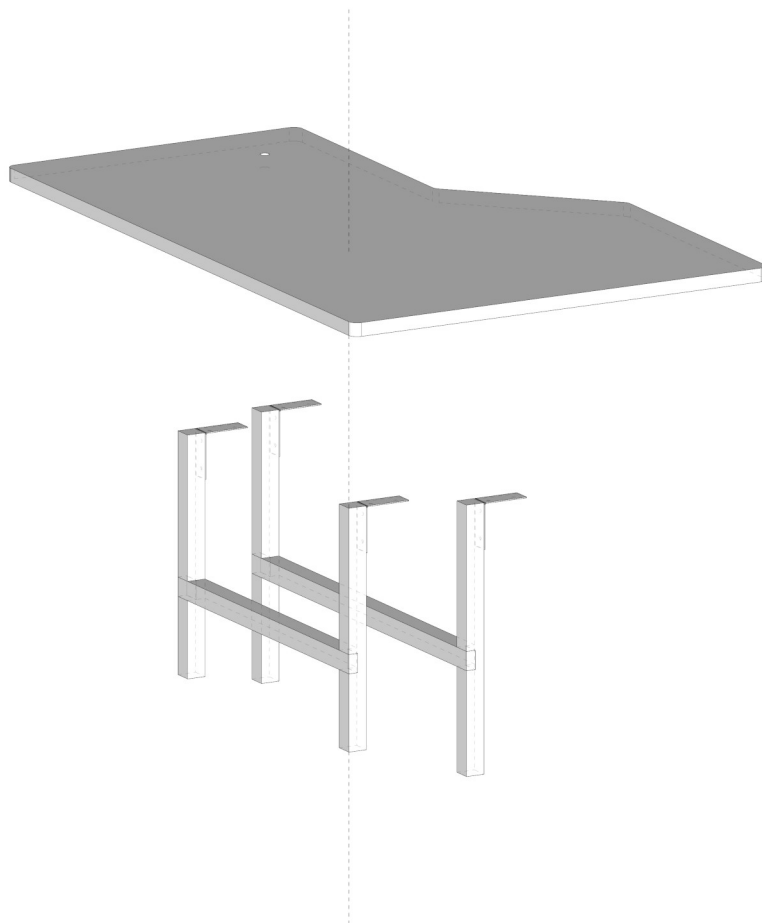
Assemblage du plateau additif

Perceuse/visseuse

Forêt 3mm

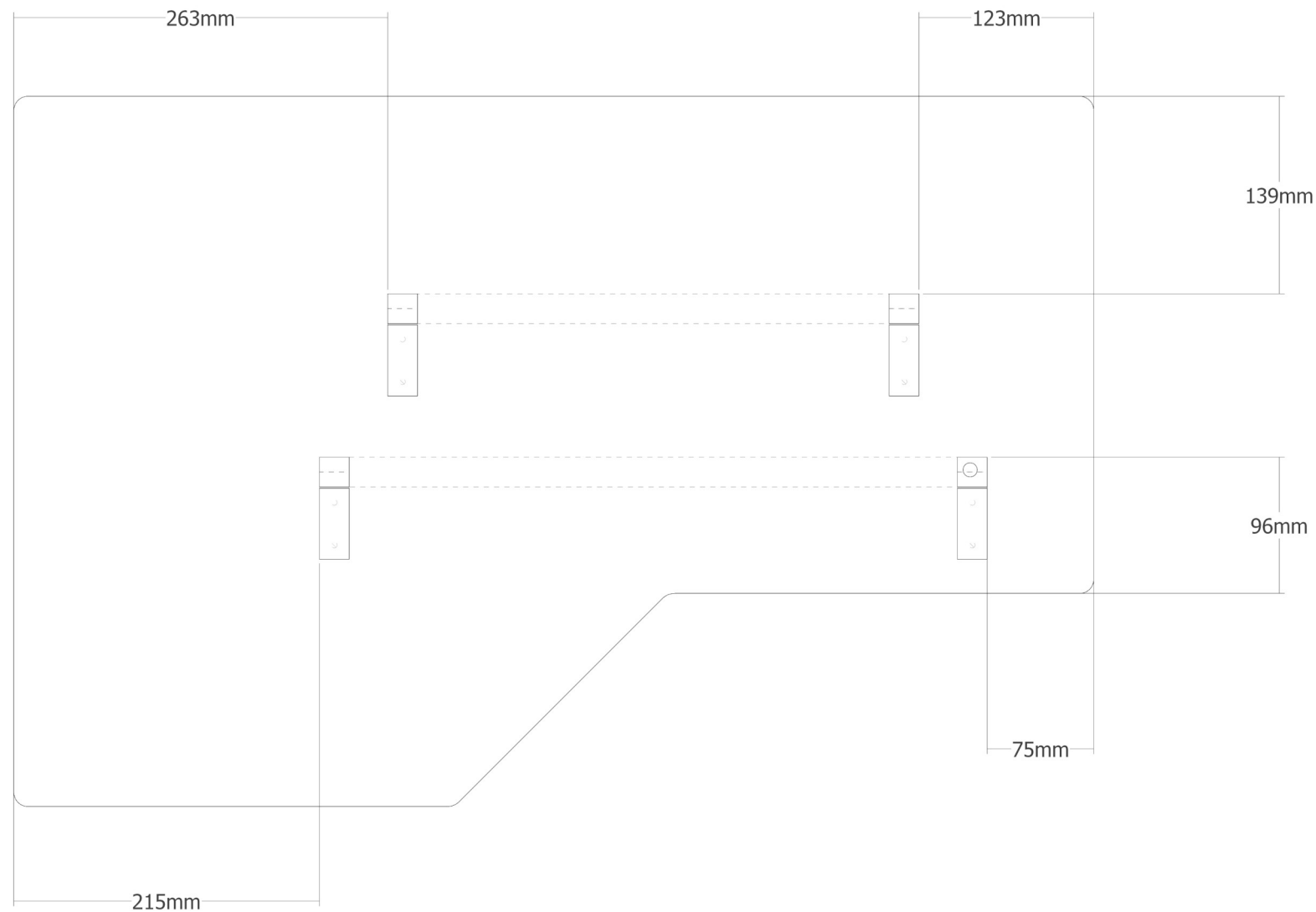
Embout T10

Vis 3x12mm, T10



Assemblage du plateau additif

Positionnement



Fixation des roues 1/3

Tube acier L 500mm, Ø10mm



Fixation des roues 2/3

Tige filetée L 580mm, Ø8mm

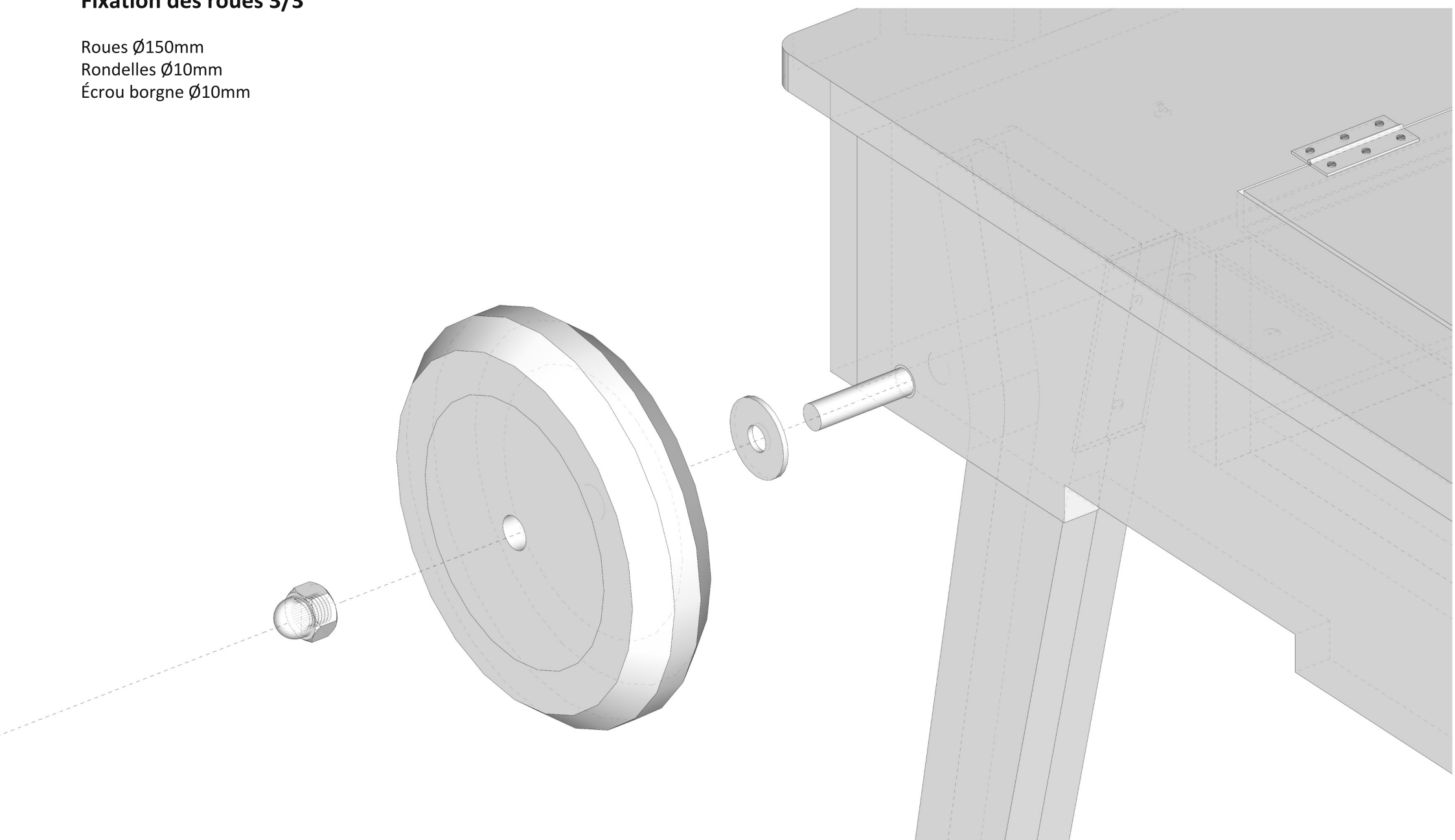


Fixation des roues 3/3

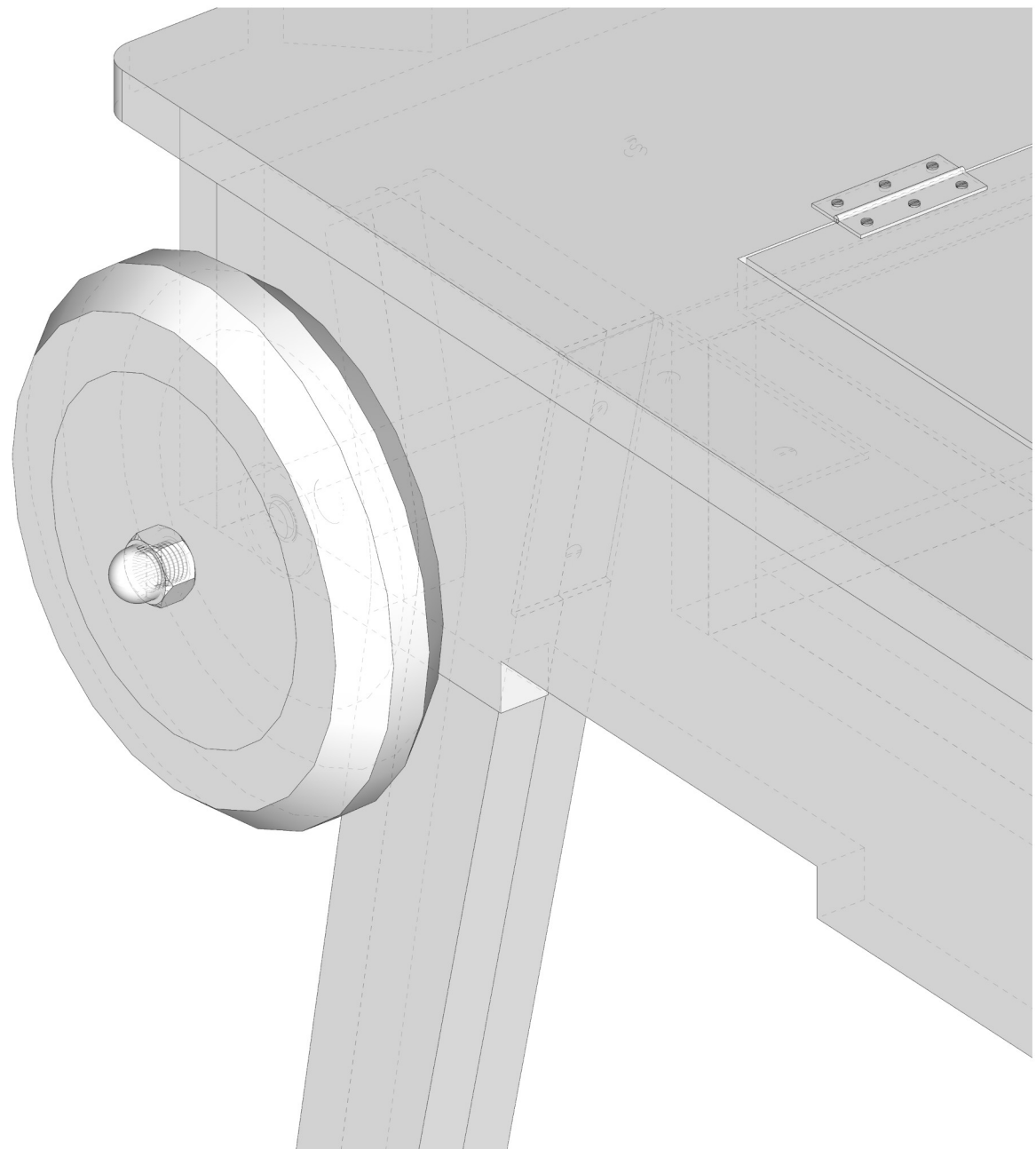
Roues Ø150mm

Rondelles Ø10mm

Écrou borgne Ø10mm



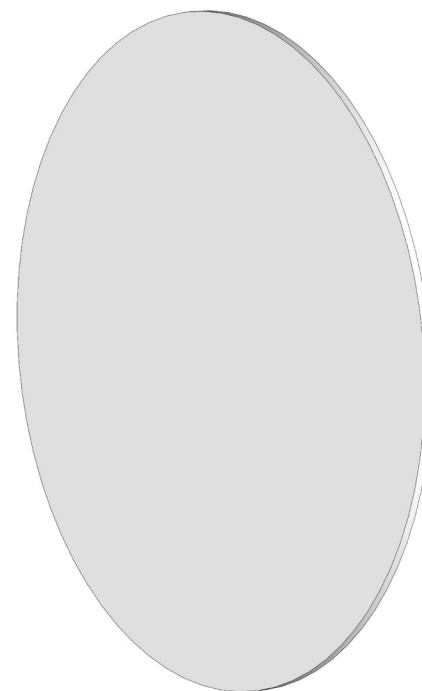
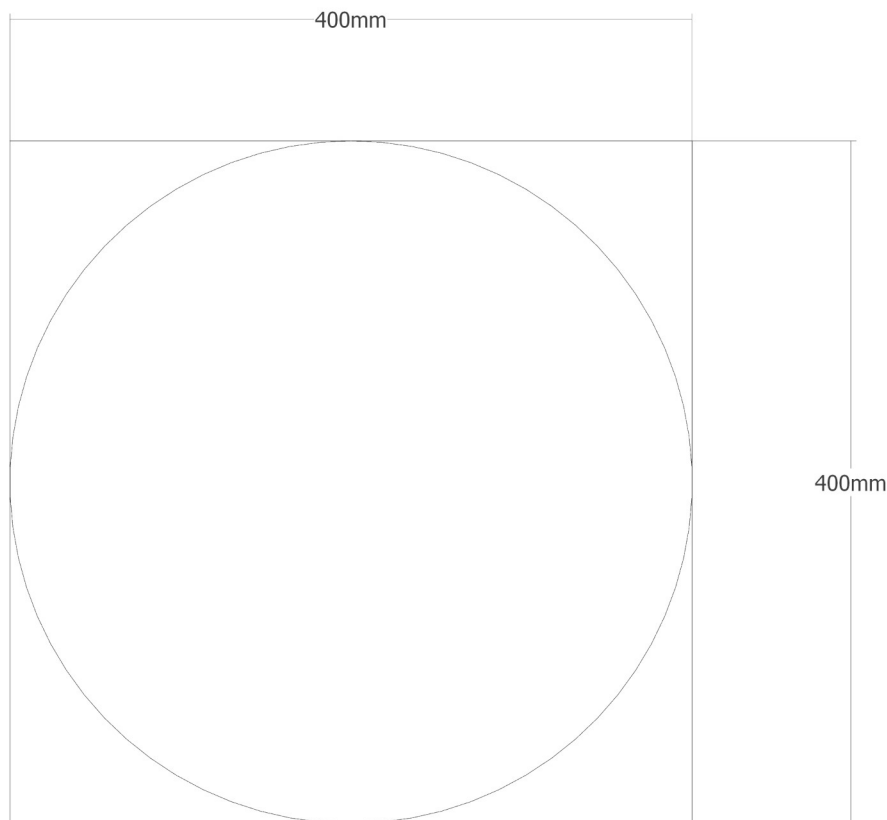
Fixation des roues 3/3



Découpe du panneau

Panneau contreplaqué peuplier 5mm, 400x400mm

Scie sauteuse



Fixation du panneau

Tube de cuivre L 1m, Ø10mm

Adhésif

