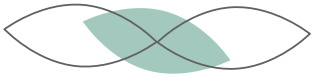
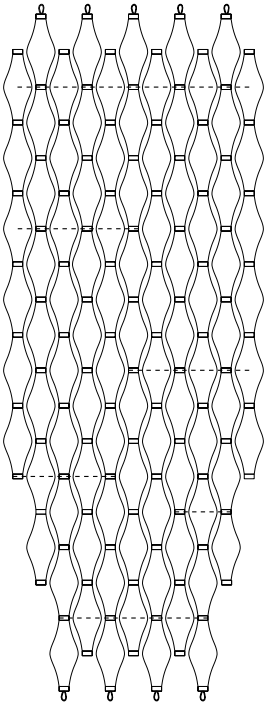
dhal



modul form und design

bachmann miriam
dirnberger maria

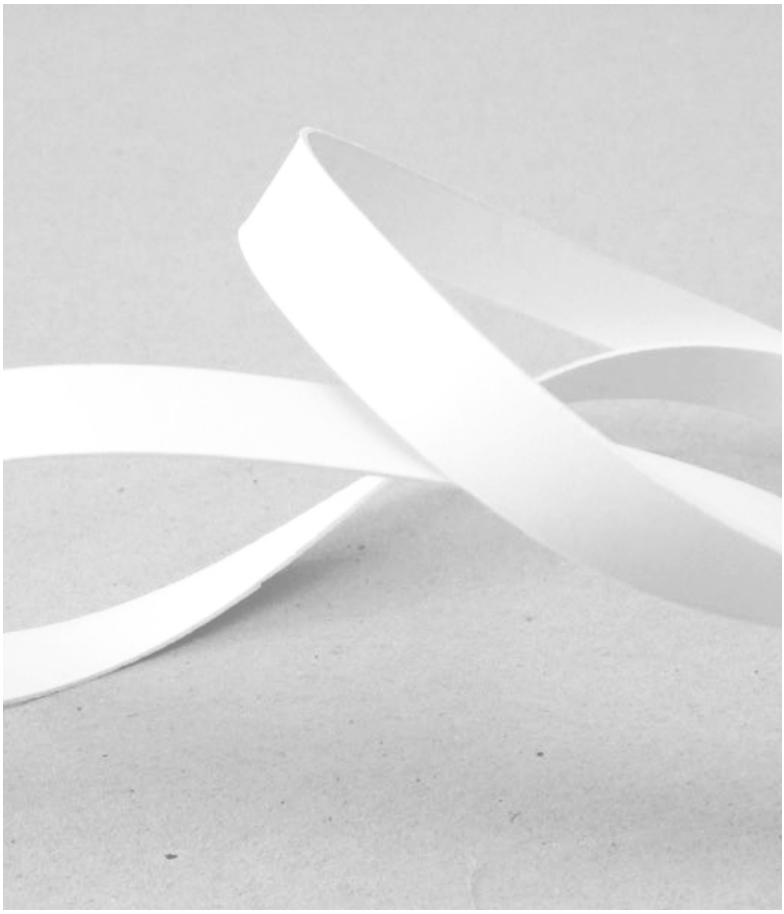
2017



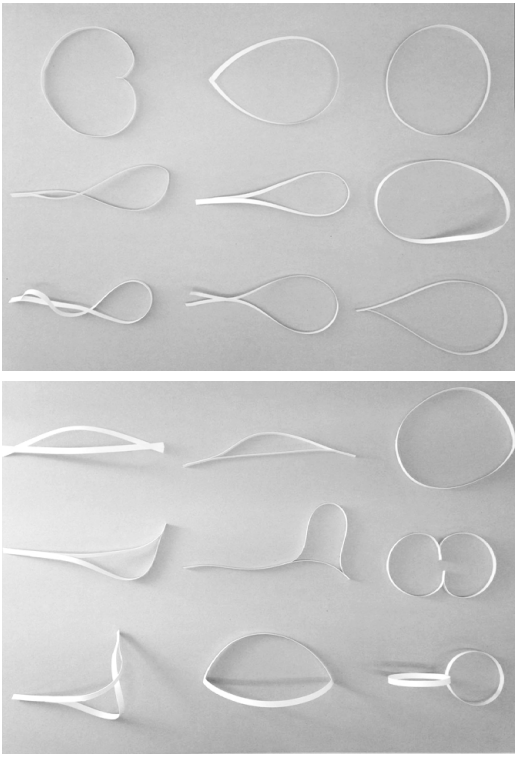
inhalt

formfindung
ausformulierung
umsetzung

formfindung

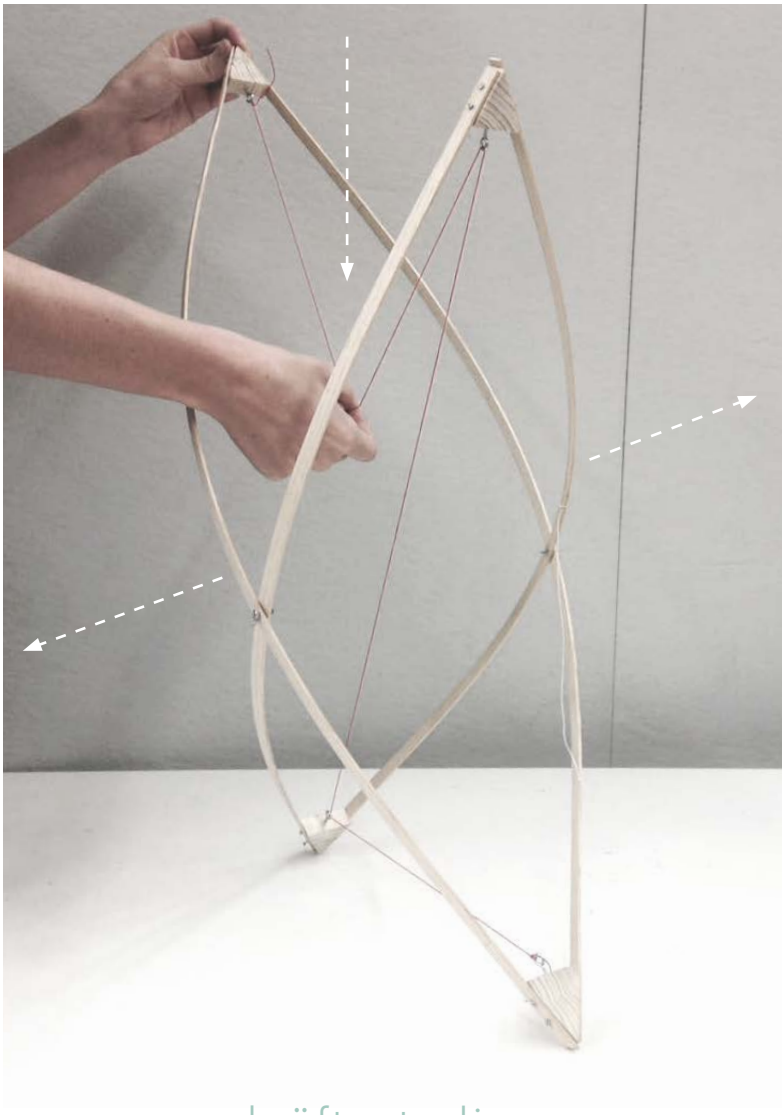


formstudien



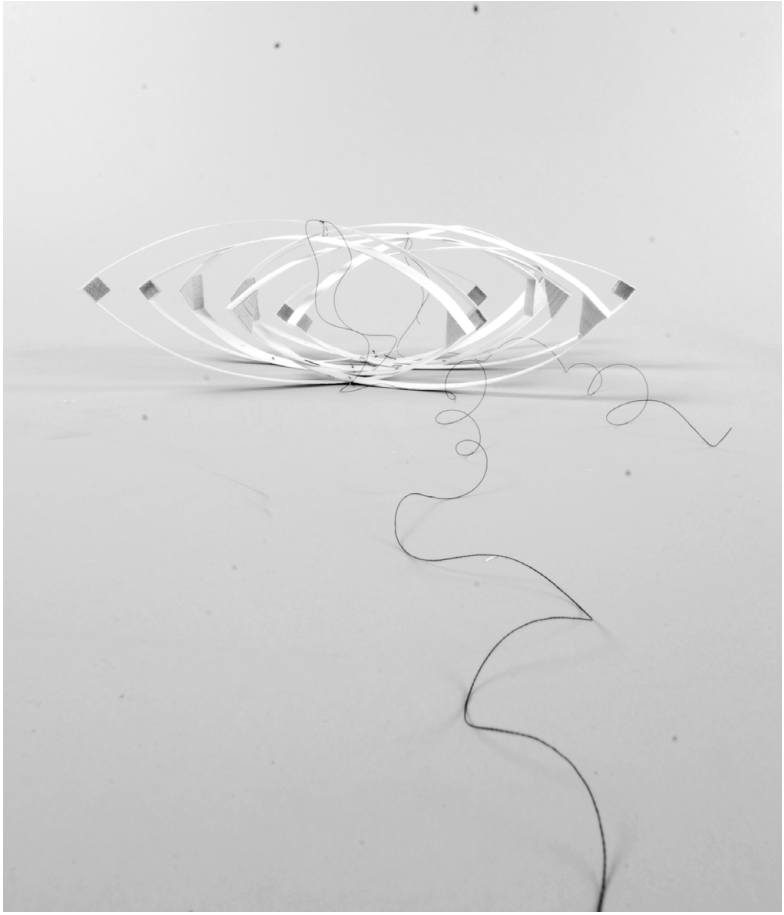
erste versuche mit gebogen / gespannten formen aus papier

große formenvielfalt nur mit einem oder mit zwei papierstreifen



kräftestudien

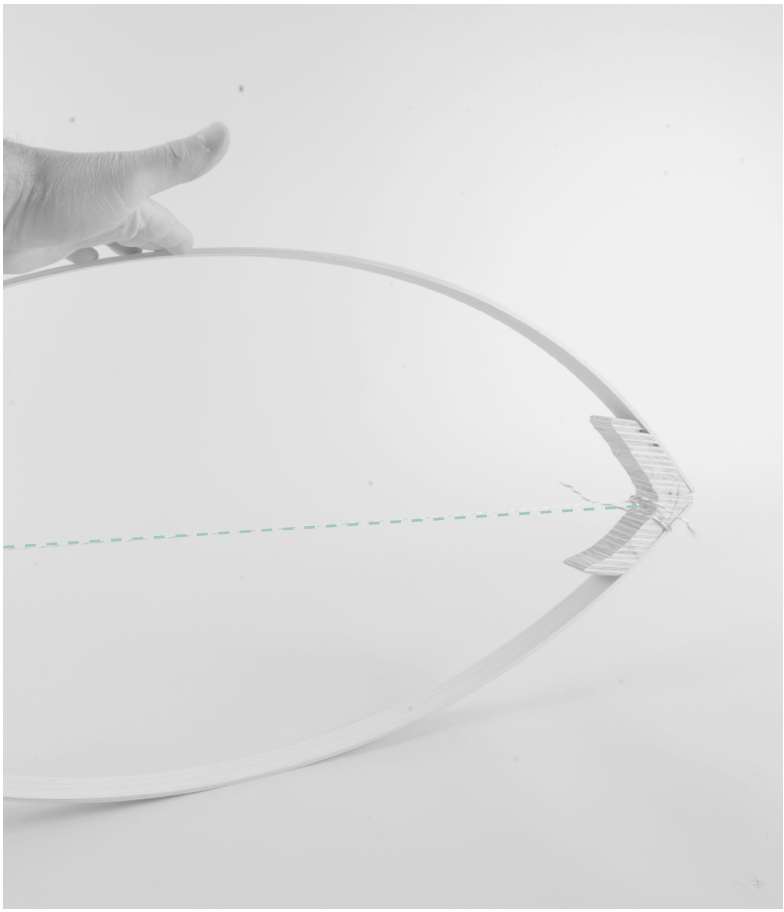
erste studien mit gespannten holz
und kräfteableitung



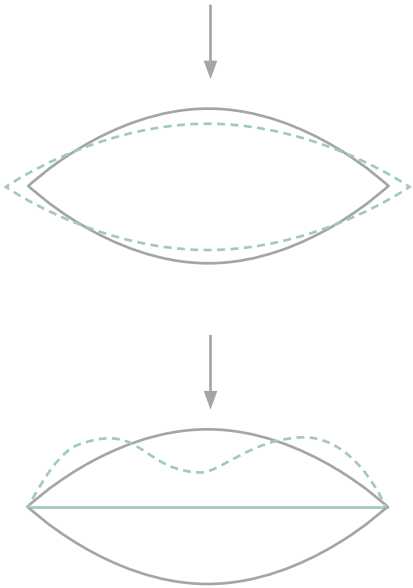
anordnung

parallele anordnung
links: verzahnung

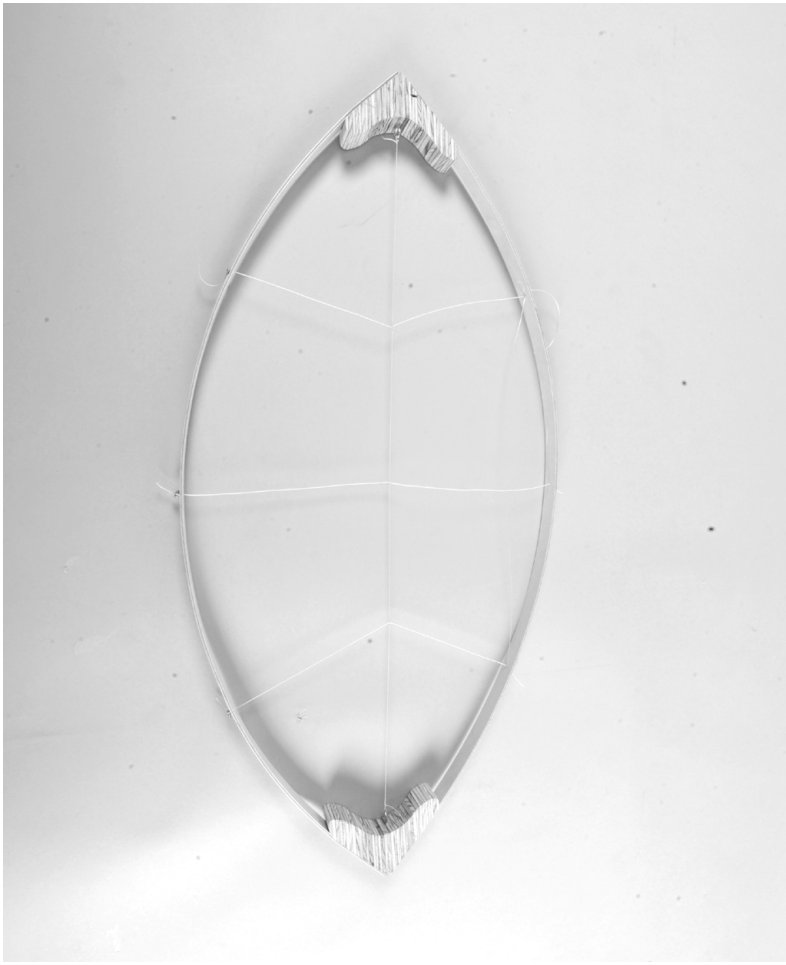
ausformulierung



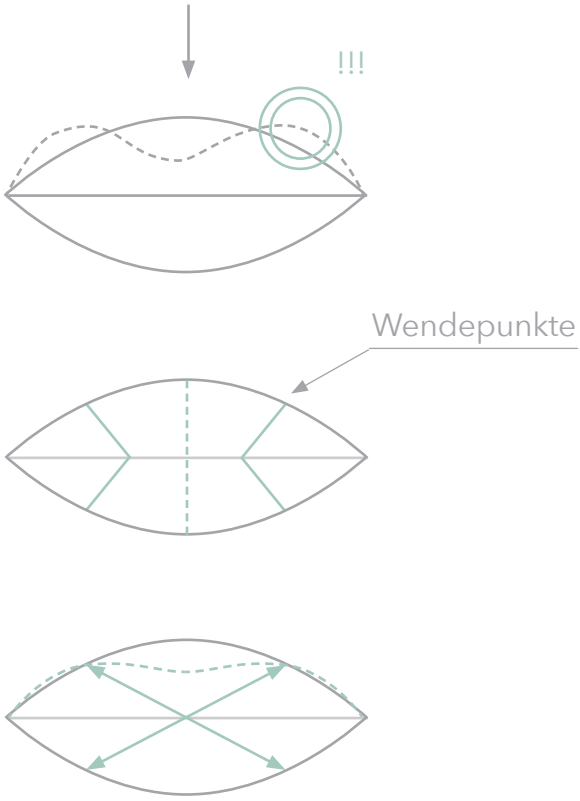
zugseil



stabilisierung durch zugseil
verhindert seitlichen wegbrechen

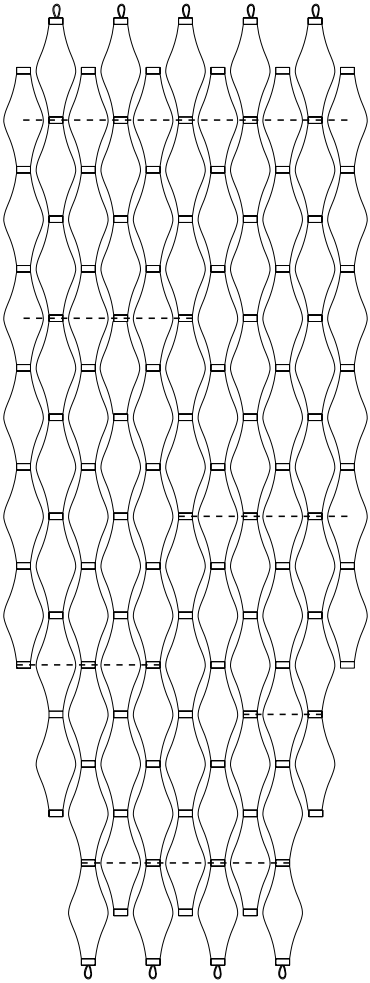


aussteifung

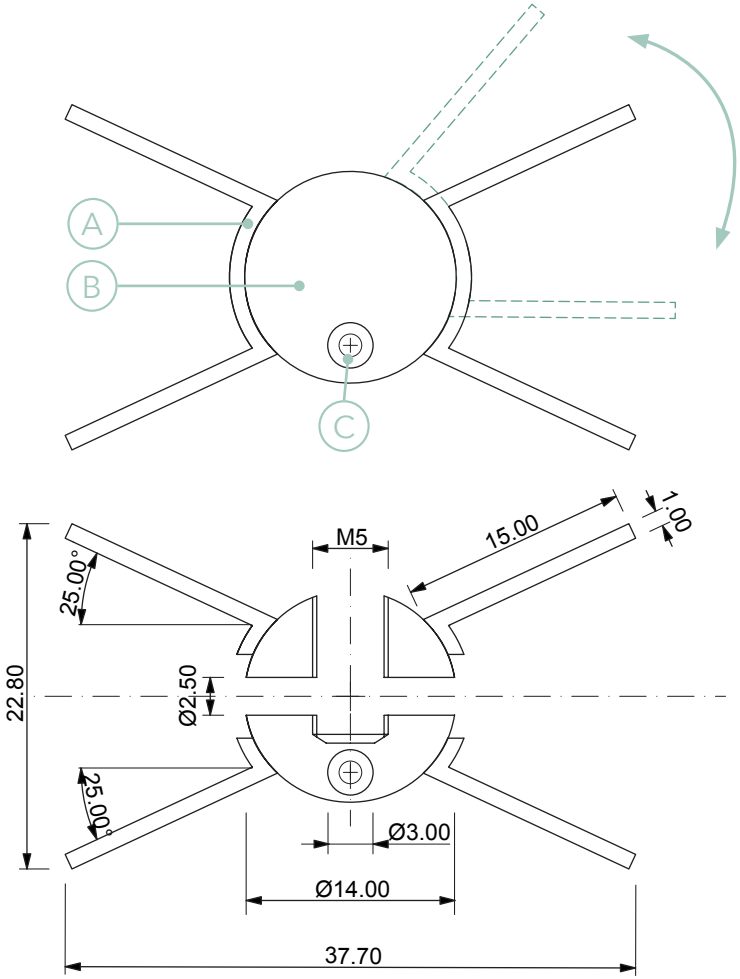


stabilisierung durch zugseil
ausknicken wird duch zusätzlichen
querseilen verhindert

nur noch sanfte verformungen unter
krafteinwirkung



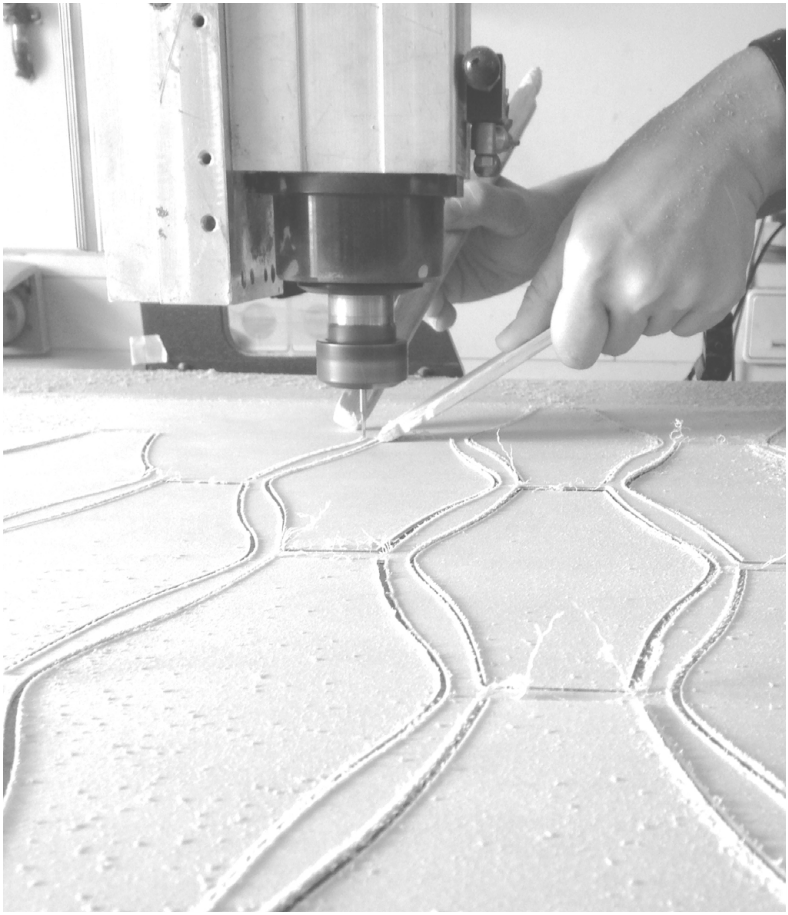
objektaufbau



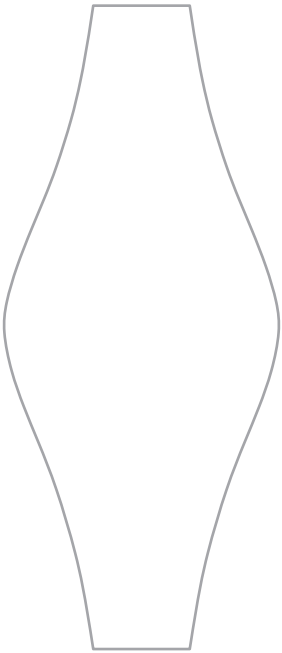
flexibilität auf grund von gelenkigen verbindungselementen

A winkel: stahl geschliffen
rundstück: Aluminium B
C verbindungsstab zw. ketten: Eisen

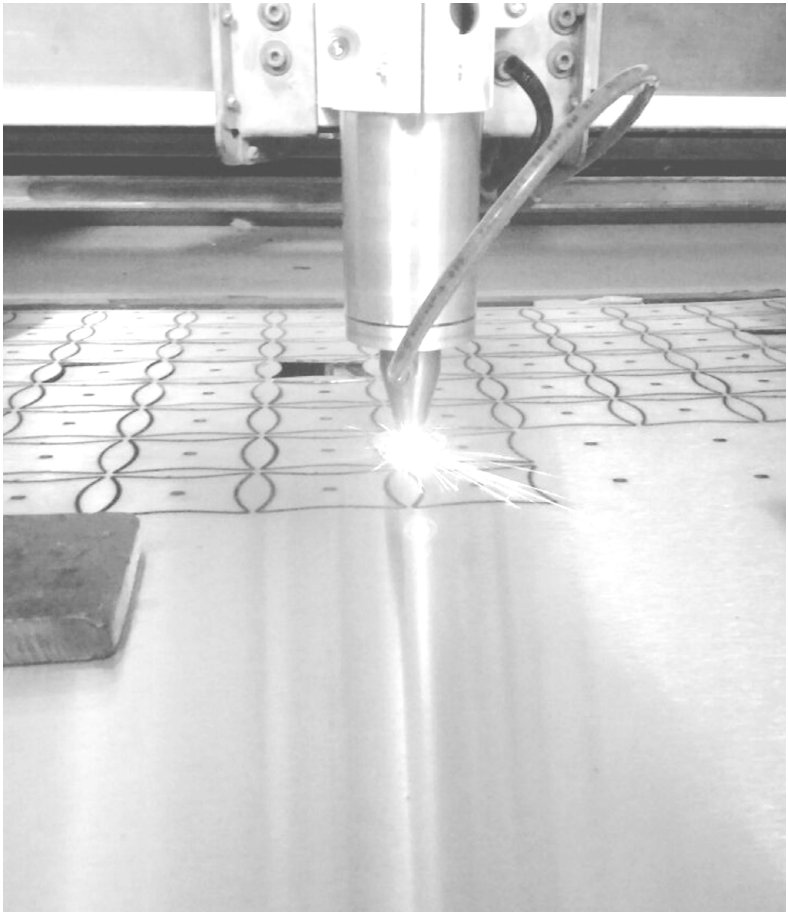
umsetung



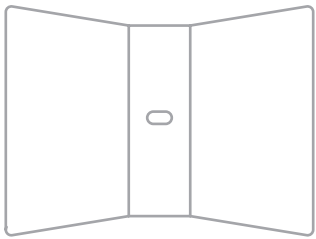
fräsen

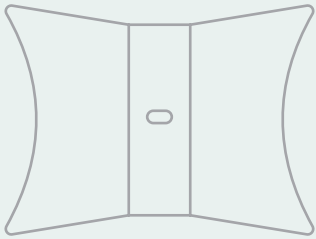


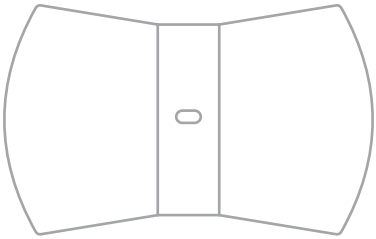
flugzeugsperrholz
546 teile
6 teile pro element



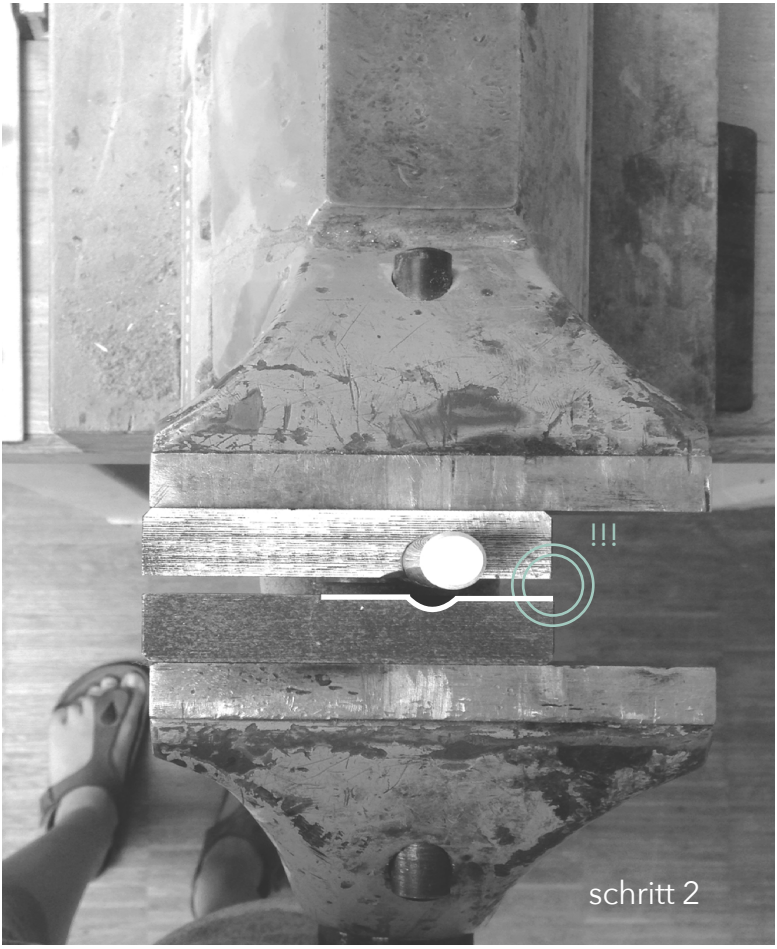
lasern



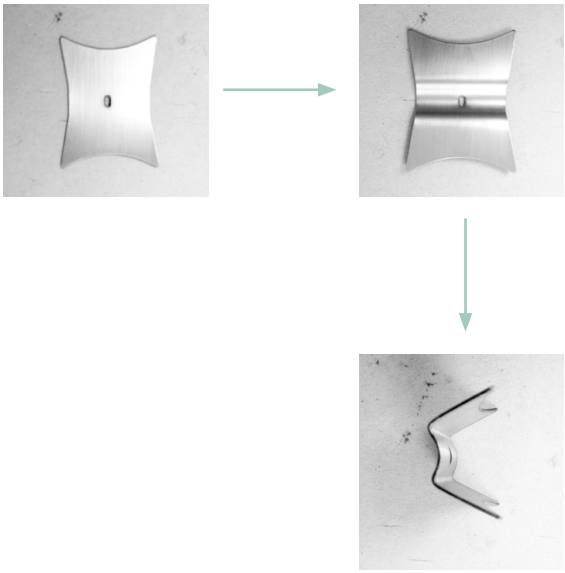




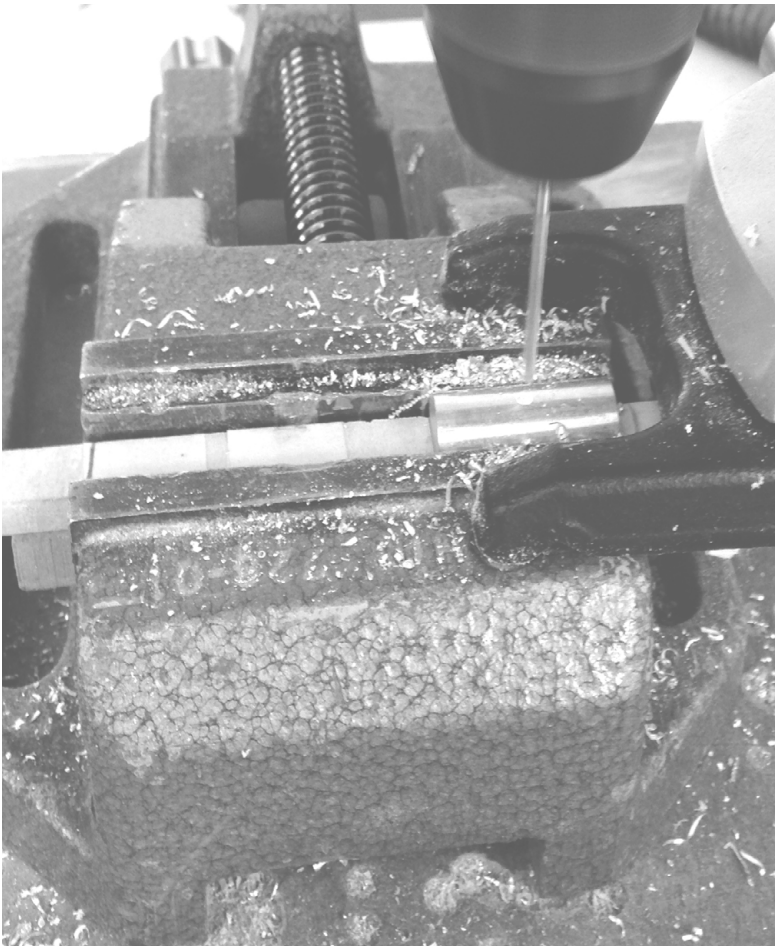
stahl
182 stücke
2 pro element



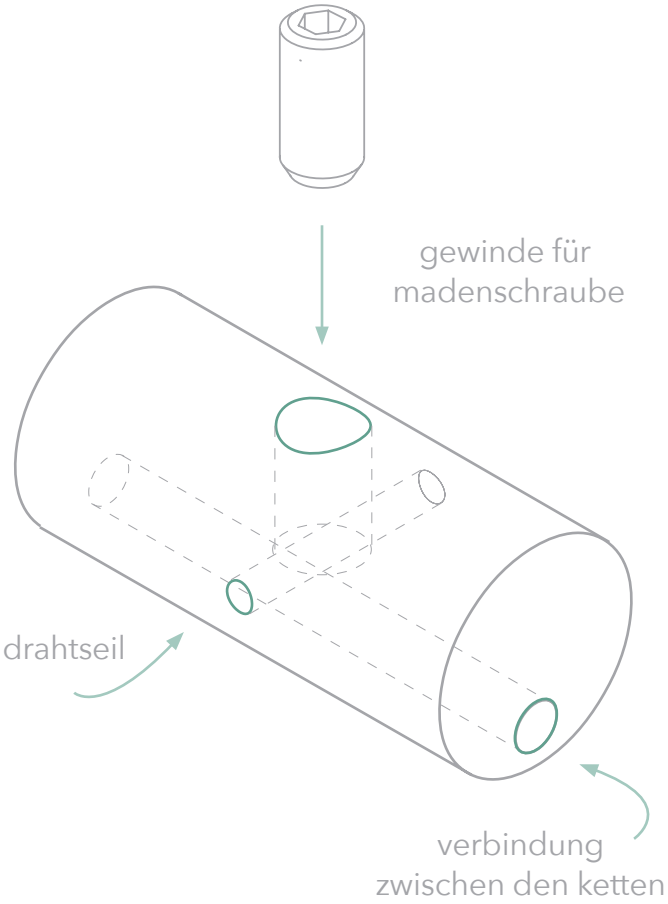
biegen



schritt 1: schleifen
schritt 2: bogen biegen
schritt 3: winkel biegen

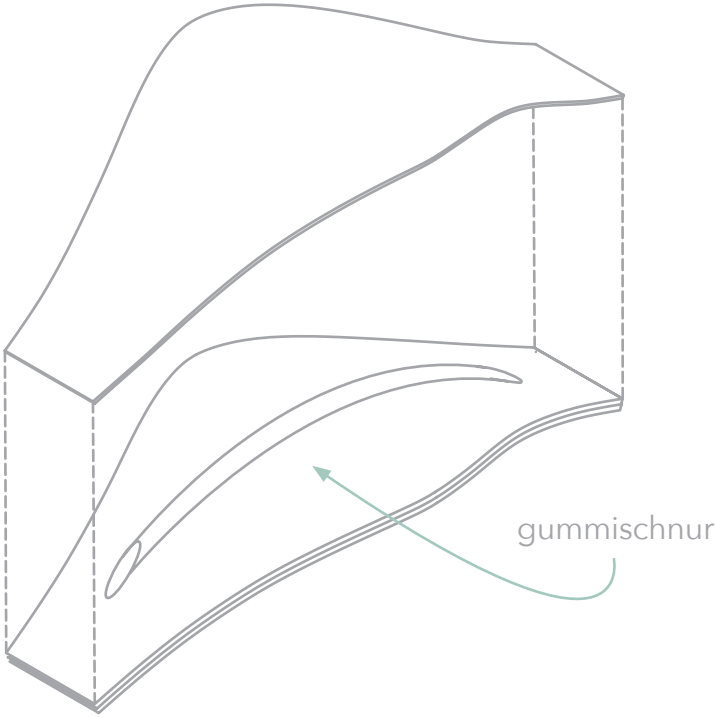
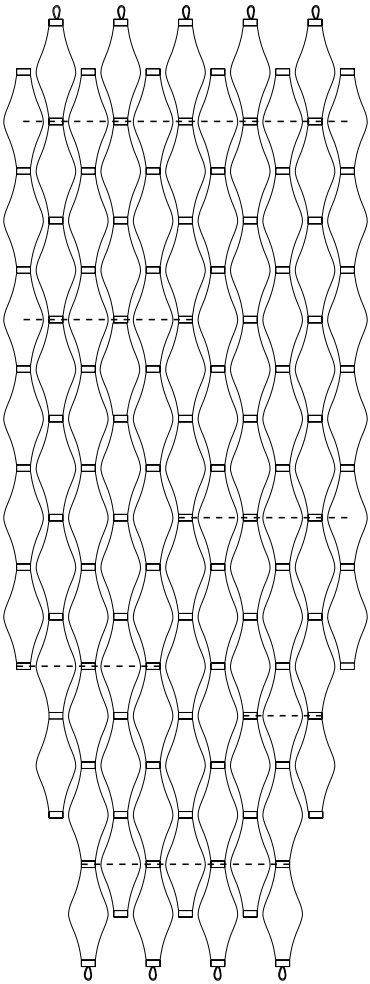
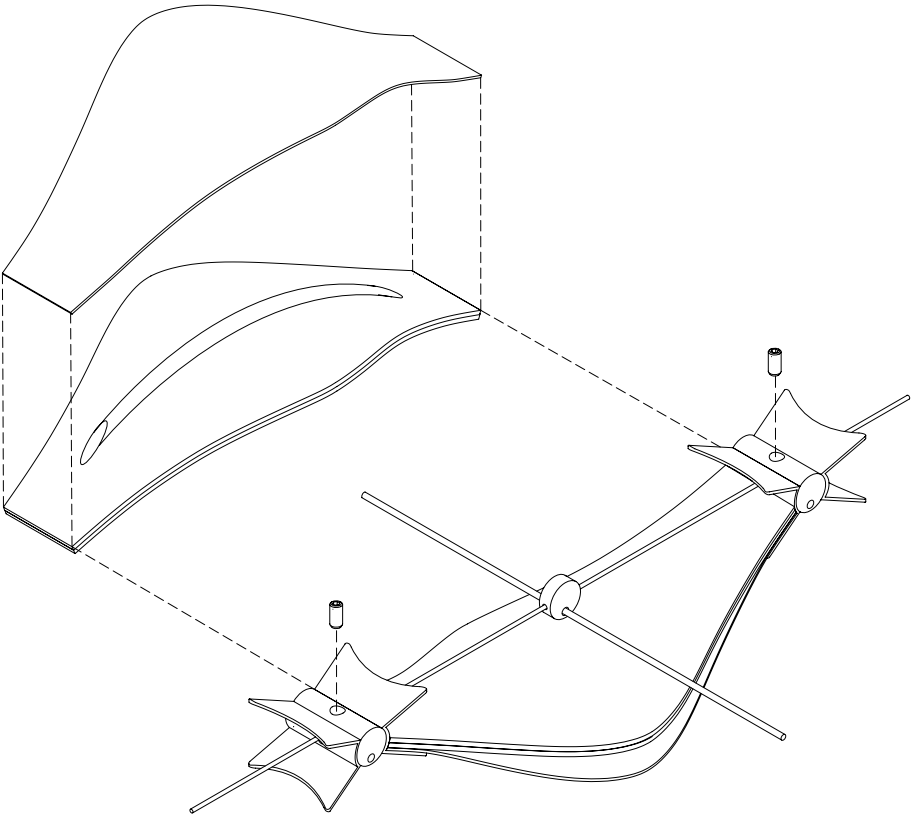


bohren



bohren & gewinde

verleimen



einspannen & warten