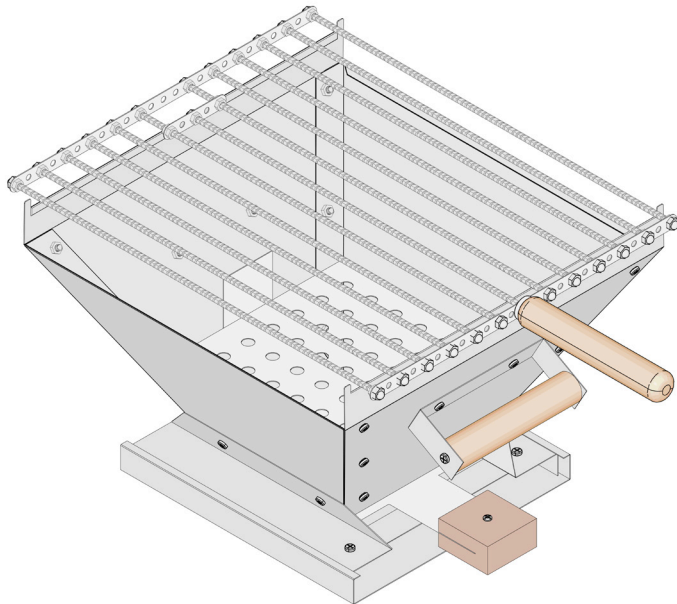
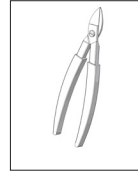


112198 Table Grill



Tools Required:



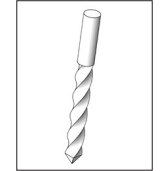
Metal Scissors



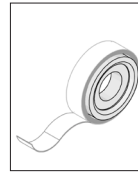
Punch



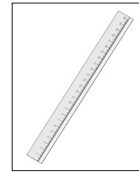
Engineer's Hammer



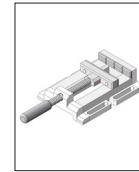
Drill Bits Ø 2, 3.5, 4.5, 6 & 8 mm



Adhesive Tape



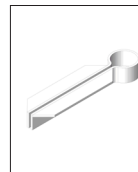
Steel Ruler



Vice



Cross-headed Screwdriver



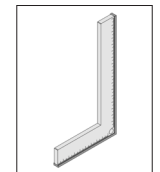
Bending Aid



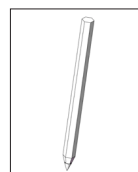
Scriber



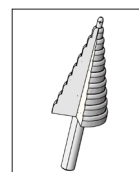
Wrench 7 mm



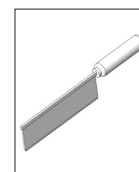
Square



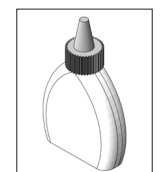
Pencil



Stepped Drill



Dovetail Saw



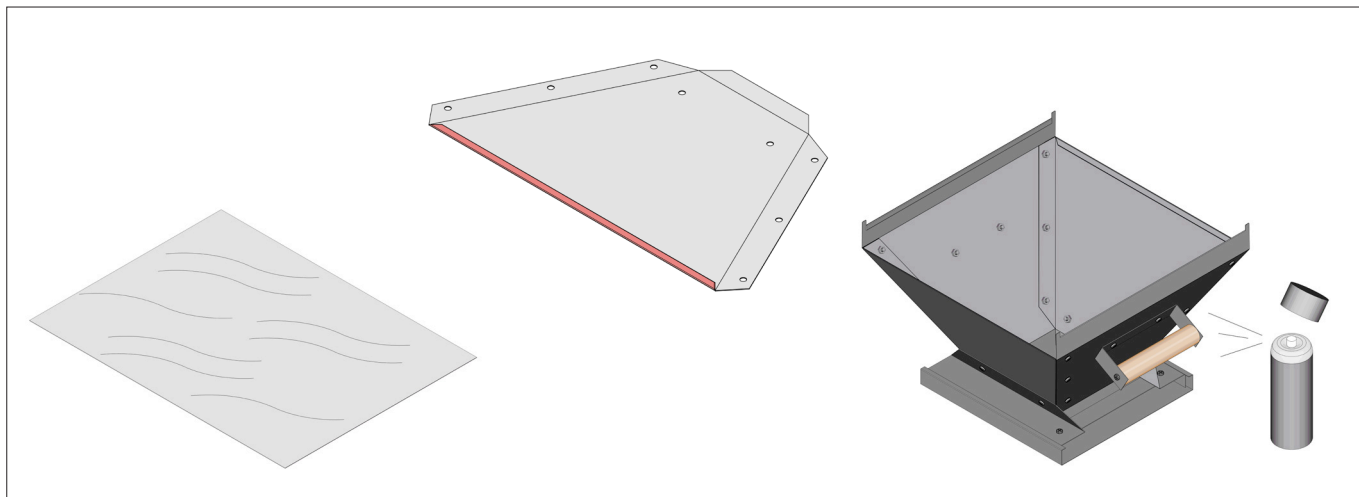
Wood Glue

Please Note:

The OPITEC handicraft packs are not toys in a typical off-the-shelf sense, but rather additional teaching and learning material for educational purposes. This craft pack may only be constructed by children and adolescents under the guidance and supervision of experienced adults. Not suitable for children under 36 months. Danger of suffocation!

Parts List	Quantity	Size (mm)	Description	Part No.:
Black plate	2	0,5 x 200 x 400 mm	Plate parts C, D, E, F, G & H	1
Black plate	2	0,5 x 300 x 400 mm	Side parts A & B	2
Pine bar	1	20 x 40 x 40 mm	Airflow regulator handle	3
Pine round bar	2	20 x 100 mm	Handle	4
Chipboard screw	1	3 x 16 mm	Fixing	5
Cylinder head screws	22	4 x 10 mm	Fixing	6
Pan head cross tapping screws	4	2,9 x 16 mm	Fixing	7
Nuts M4	56	M4	Fixing	8
Cap nut M4	27	M4	Fixing	9
Wooden handle	1	28 x 120 mm	Grill grate handle	10
Flat rod	2	25 holes	Grill grate	11
Flat rod	1	5 holes	Grill grate	12
Threaded Rods	13	M4 x 300 mm	Grill grate	13

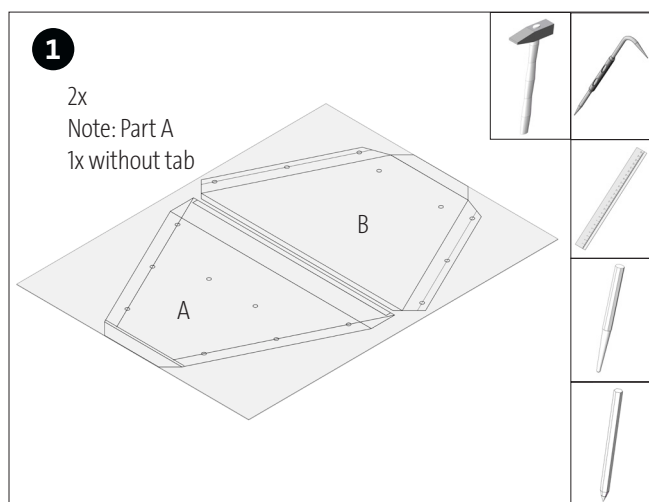
Instructions 112.198
Table Grill



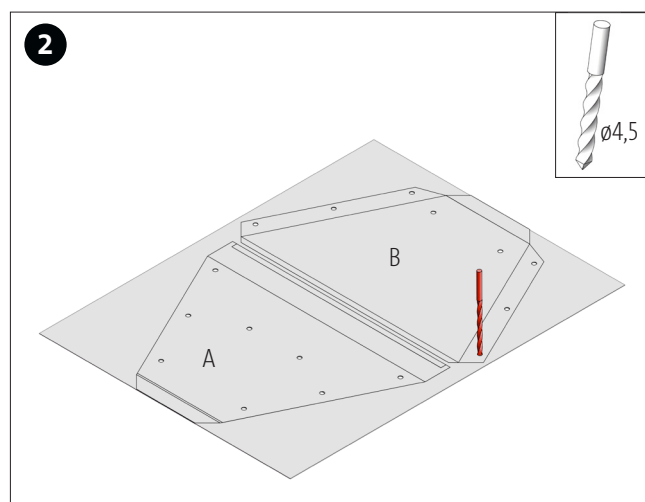
Technical note:

Remove any oil and rust stains from the black plates before processing.

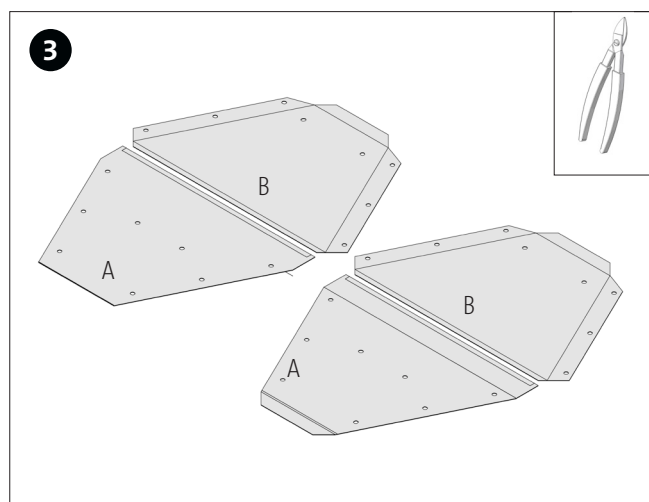
To avoid sharp corners and edges round them off slightly. After assembly, the grill can be sprayed / painted with highly heat-resistant paint (not included) or sealed with oil.



Transfer the pattern sizes for the side parts A & B onto the two black plates (2). **Note:** Use a scribe and a steel ruler to trace the contours and the crimping and folding edges! Mark the holes with a punch.

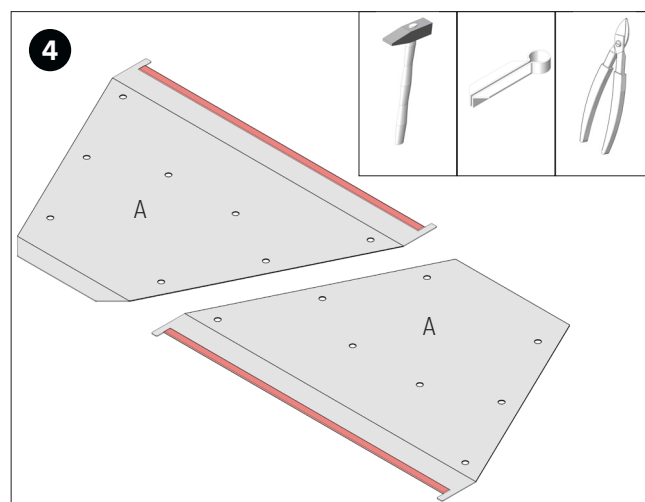


Drill holes Ø 4,5 mm.

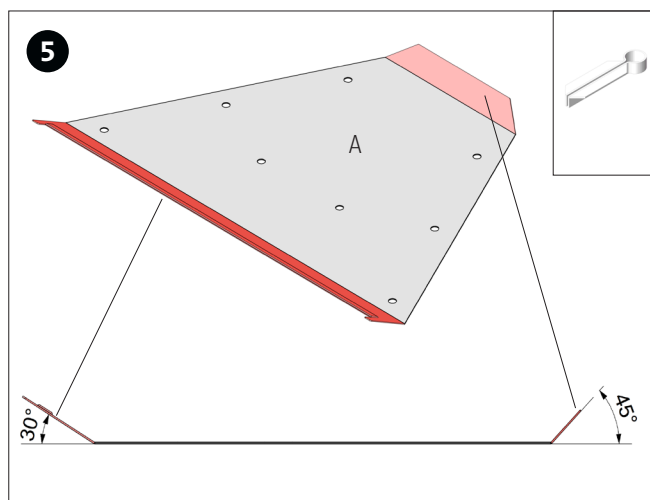


Cut out the parts.

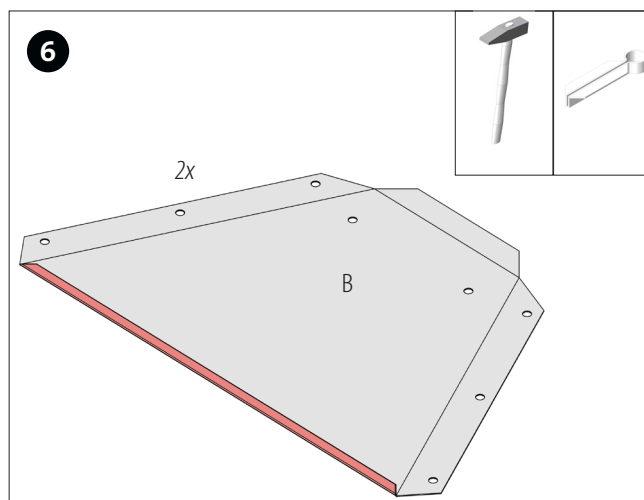
Note: Of the A parts, one part is cut out with a tab and one part without a tab!



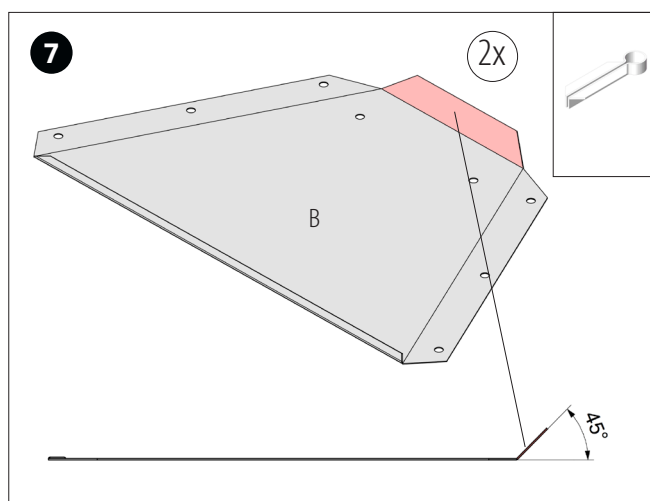
As shown, carve 6 mm into the top edge of the grill plates A, fold and crimp.



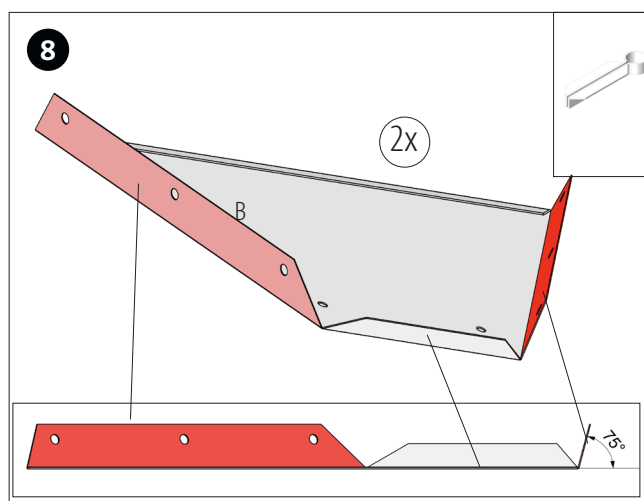
Fold the upper edge of the A parts 30 mm and 30° inwards. Fold the lower edge of one of the grill plates (A) 45° inwards, as shown.



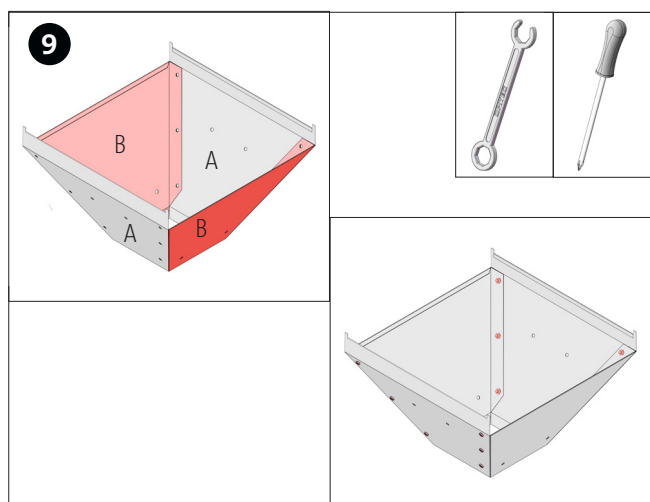
Crimp the parts B at the upper edge (6 mm). (See picture!)



Fold down the lower tab of the B parts by 45°, as shown.

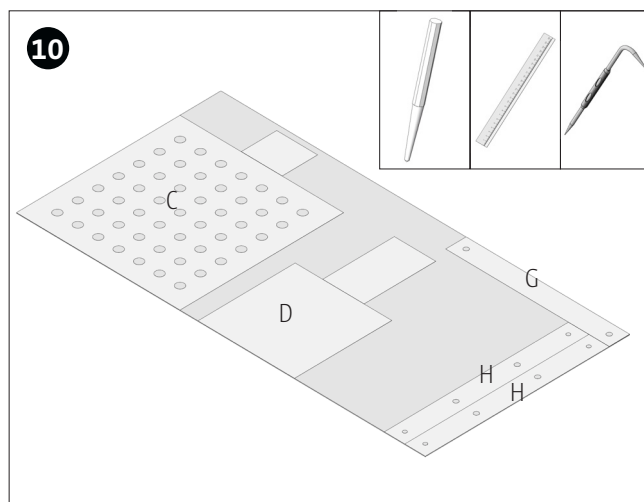


Fold the side tabs of the B parts 75° inwards, as shown.

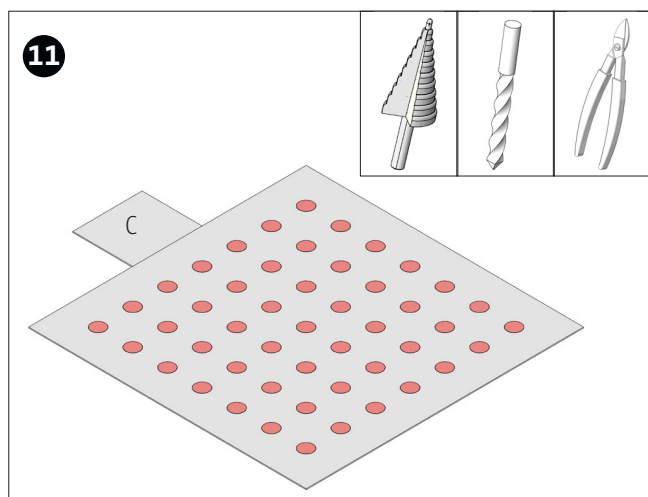


Place the side parts A & B together. Use the cylinder head screws (6) and the nuts (8) to screw them together.

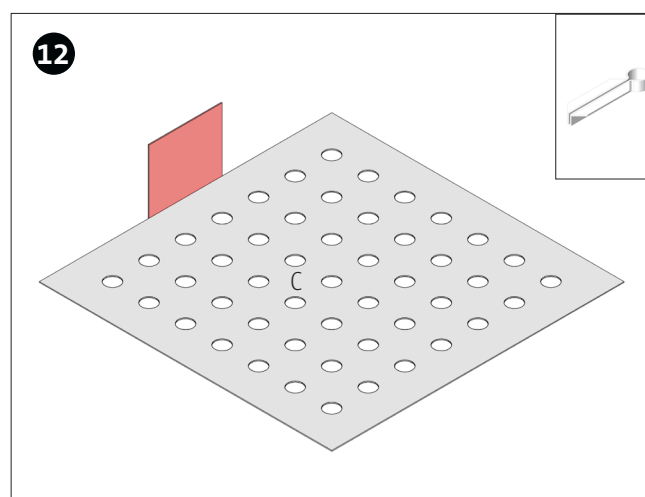
Note: Nuts are screwed inside.



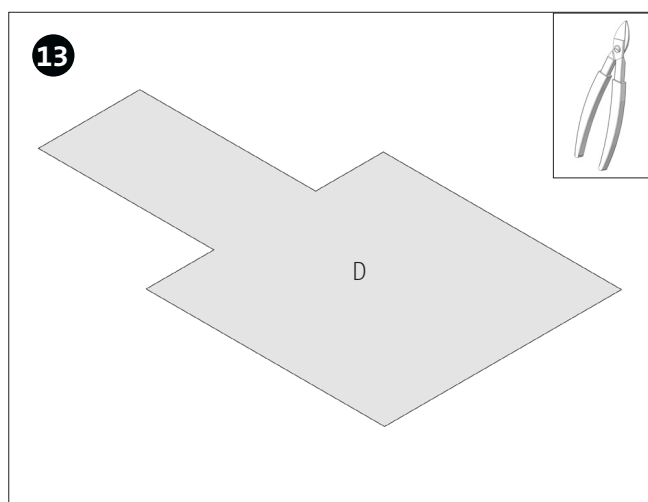
Transfer the pattern C, D, G & H onto the black plate (1). **Note:** Use a scribe and a steel ruler to trace the contours and the crimping and folding edges! Mark the holes with a punch.



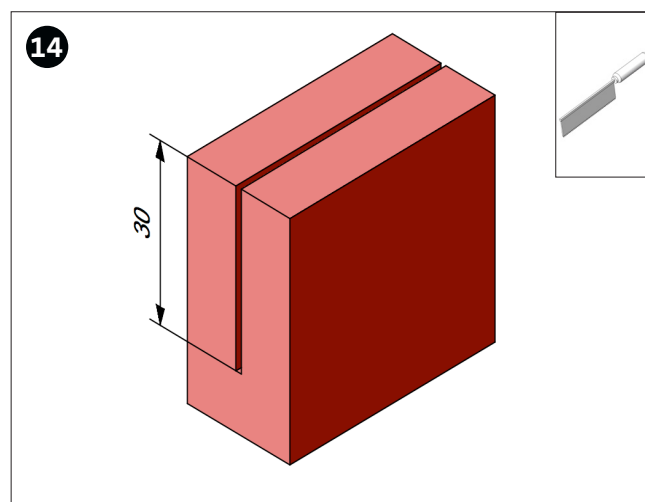
Cut out part C (charcoal plate) and drill the $\varnothing 8$ holes.
Note: we recommend pre-drilling the $\varnothing 4$ mm holes or using a step drill. Deburr the holes cleanly.



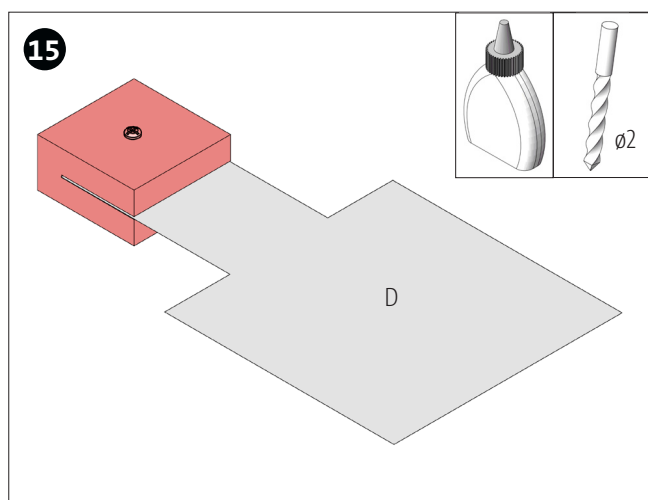
Bend the handle tab by 90° .



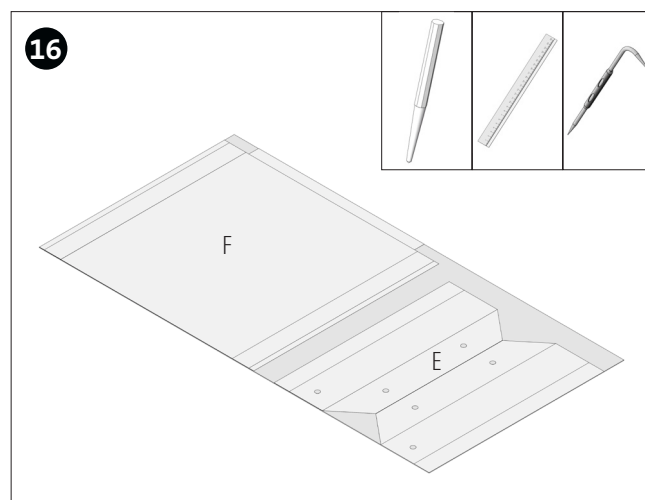
Cut out part D (airflow regulator).



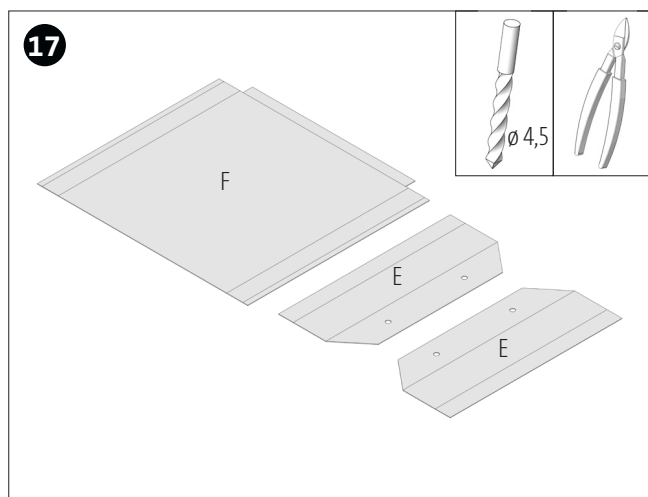
Saw approx. 30 mm in the middle of the pine bar.



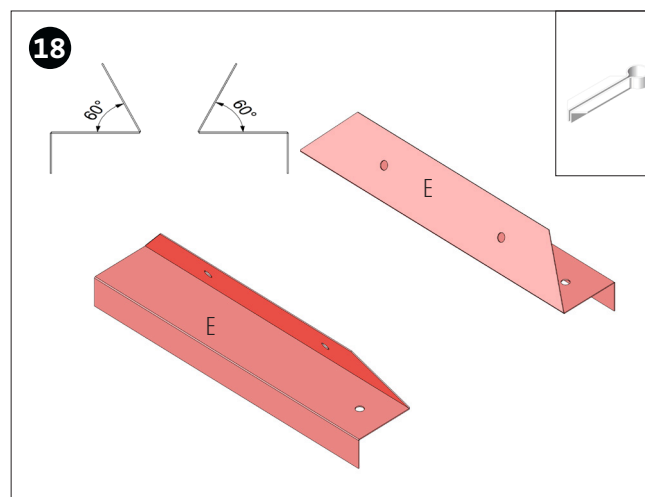
Insert the airflow regulator into the wooden handle (3), as shown. With a drill bit $\varnothing 2$ mm, drill through the first wood layer and the metal plate in the middle. Fasten with the chipboard screws (5). **Note:** Do not drill the wooden handle (3) completely!



Transfer the patterns E & F onto the black plate (2). **Note:** Use a scribe and a steel ruler to trace the contours and the crimping and folding edges! Mark the holes with a punch.

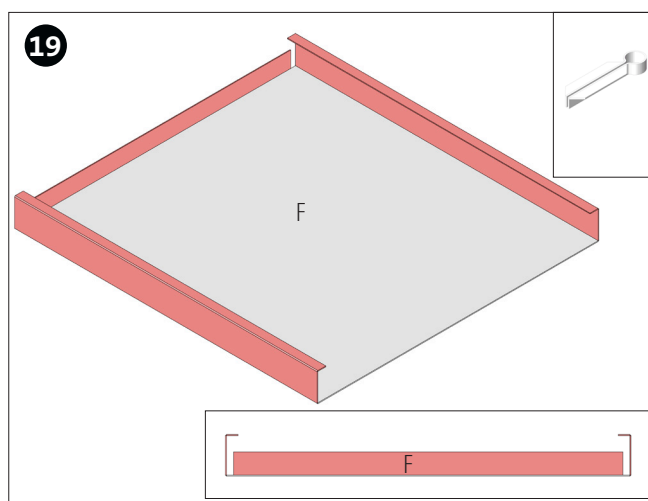


Cut out the E parts (feet) and F (ash box) and drill the $\varnothing 4,5$ holes.

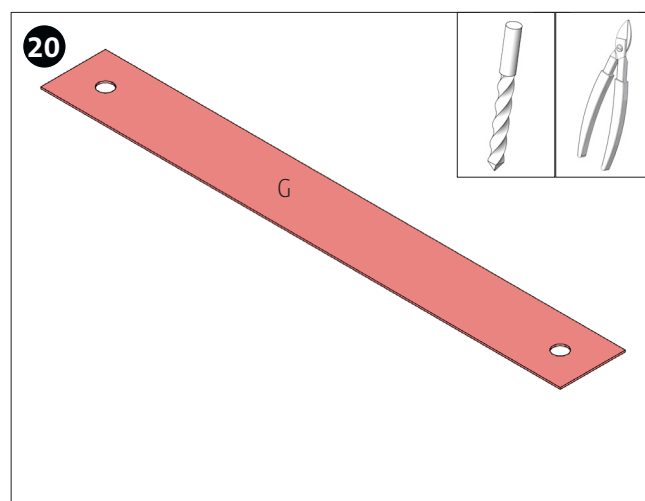


Fold down the E parts (feet), as shown.

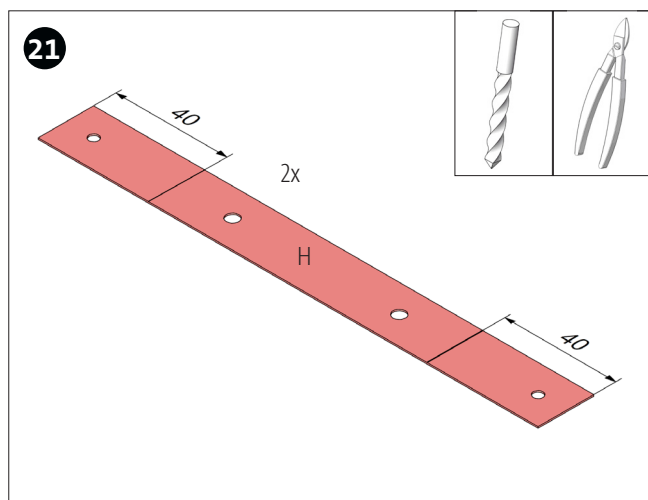
Note: bend one left and one right foot.



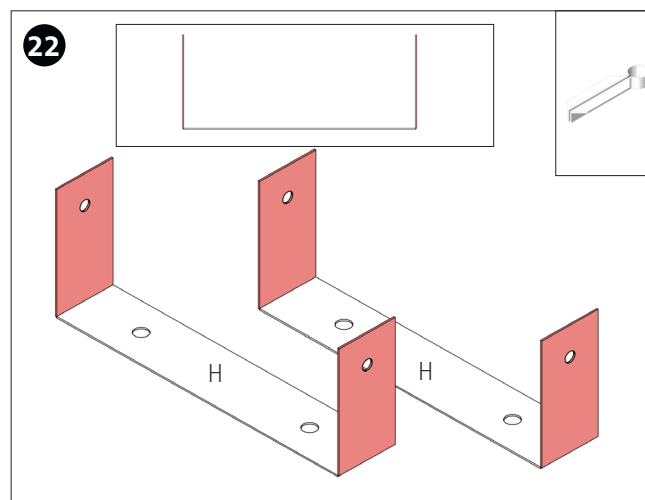
Bend part F (ash box) by 90°, as shown.



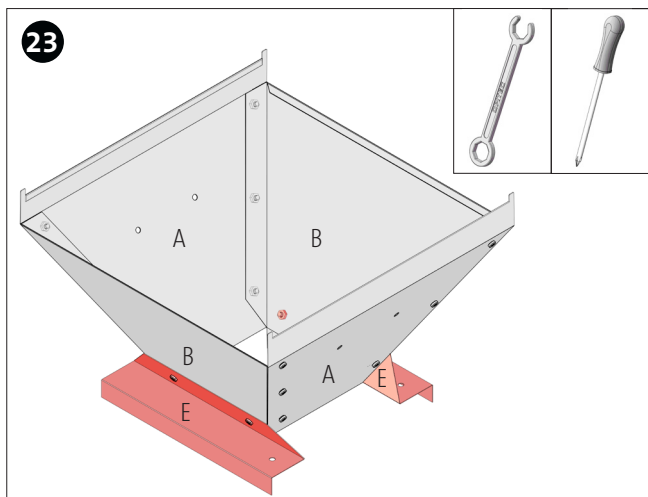
Cut out part G (support strips) and drill $\varnothing 4,5$ holes.



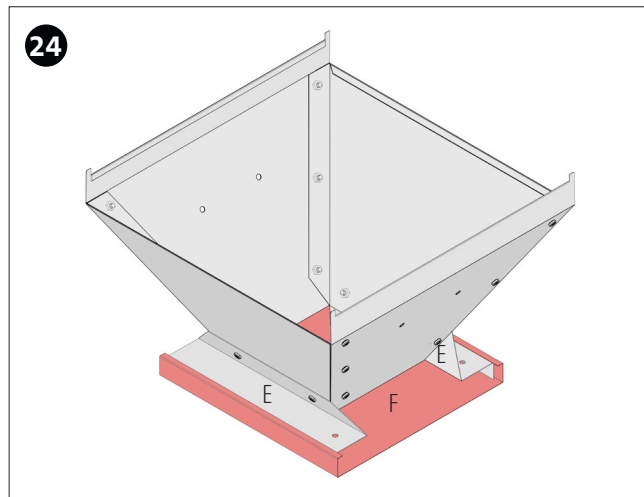
Cut out part H (handle plate), mark the bending edges and drill $\varnothing 4,5$ holes.



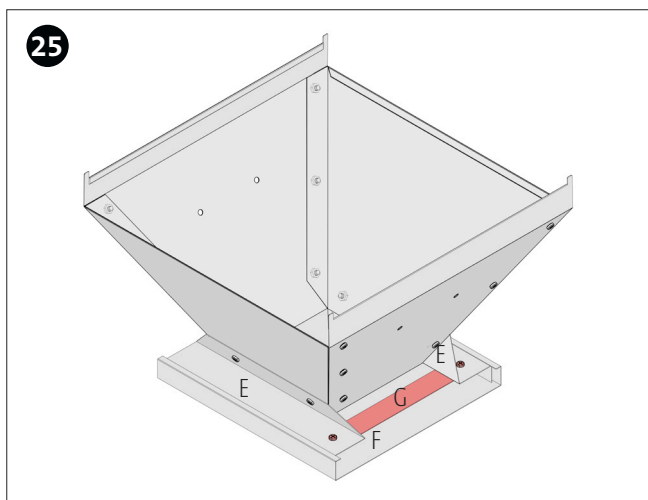
Bend the H parts (handle plates) as shown.



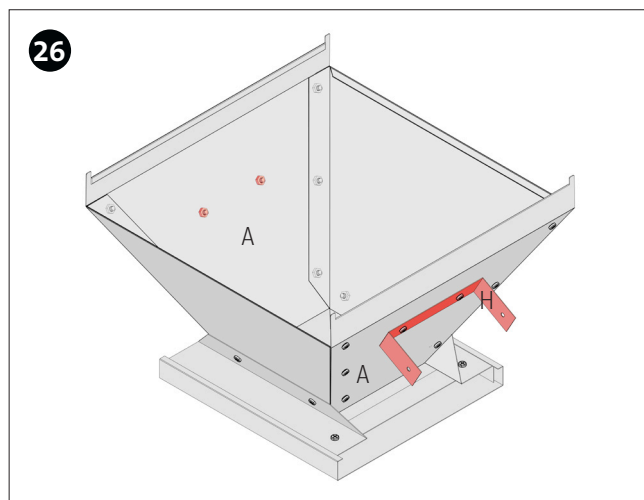
Fasten the E parts (feet) to the side parts B, using the cylinder head screws (6) and nuts (8).



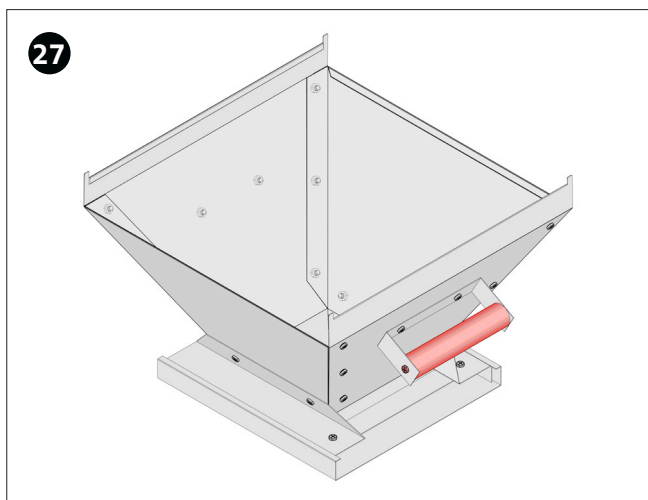
Slide part F (ash box) onto the feet (part E).



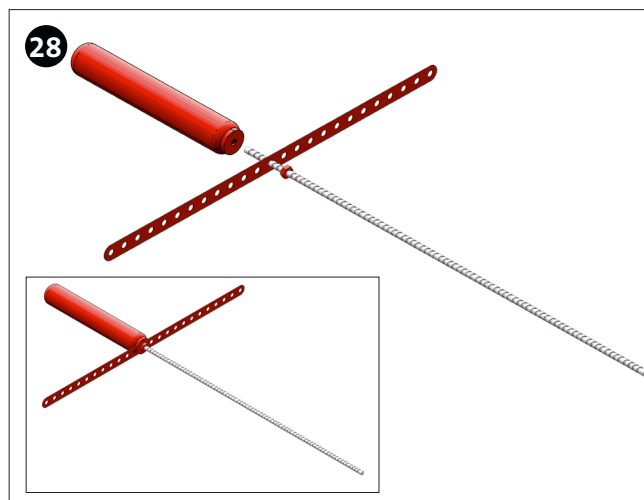
As shown, fasten the handle strip (part G) to the feet (E) using the cylinder head screws (6) and the nuts (8).



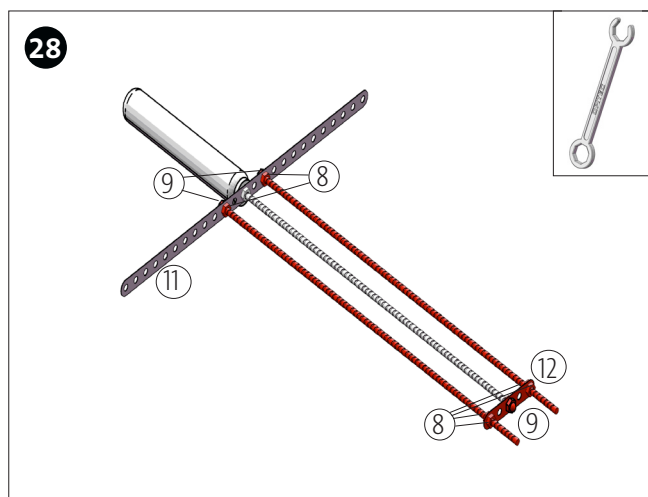
Fasten the H parts (handle plates) on the side parts (A) using the cylinder head screws (6) and the nuts (8).



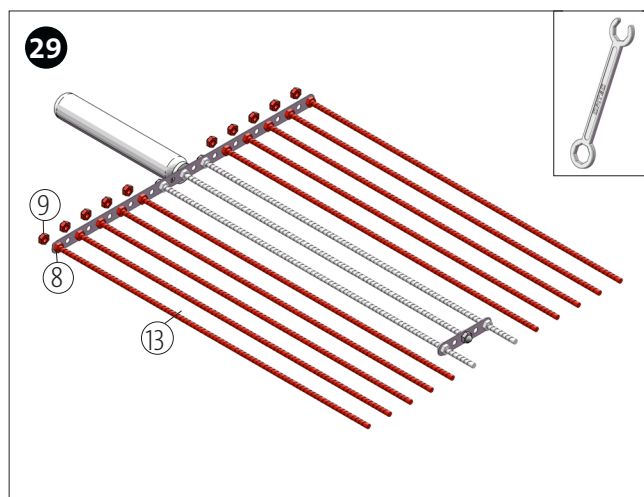
As shown, fasten the pine round bar (4) to the handle plates (H) using the pan head cross tapping screws (7).



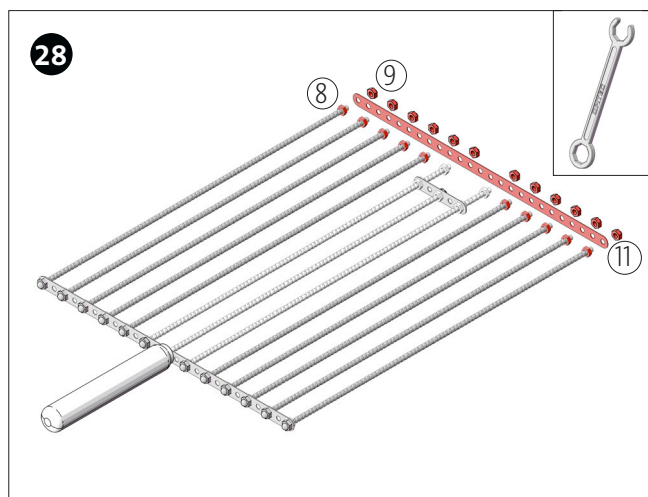
As shown, screw a M4 nut (8) approx. 40 mm onto a threaded rod (13). Additionally, place a flat bar (11) in the middle of the threaded rod and fasten it with the wooden handle (10).



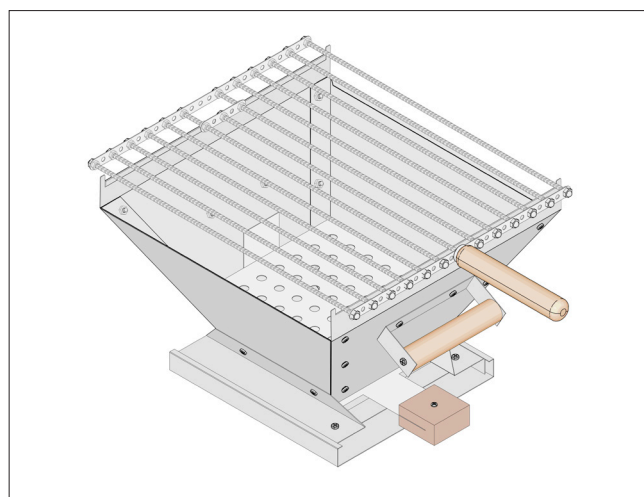
As shown, fasten 2 threaded rods (13) with two nuts (8) and two cap nuts (9) to the flat bar (11). Screw a nut (8) onto each of the threaded rods. Then attach the flat bar (12). Fix it in the middle with a cap nut (9) and screw a nut (8) onto each of the other two threaded rods.



As shown, fasten the remaining threaded rods (13) with a nut (8) and a cap nut (9) each in the free holes of the flat rod (11).

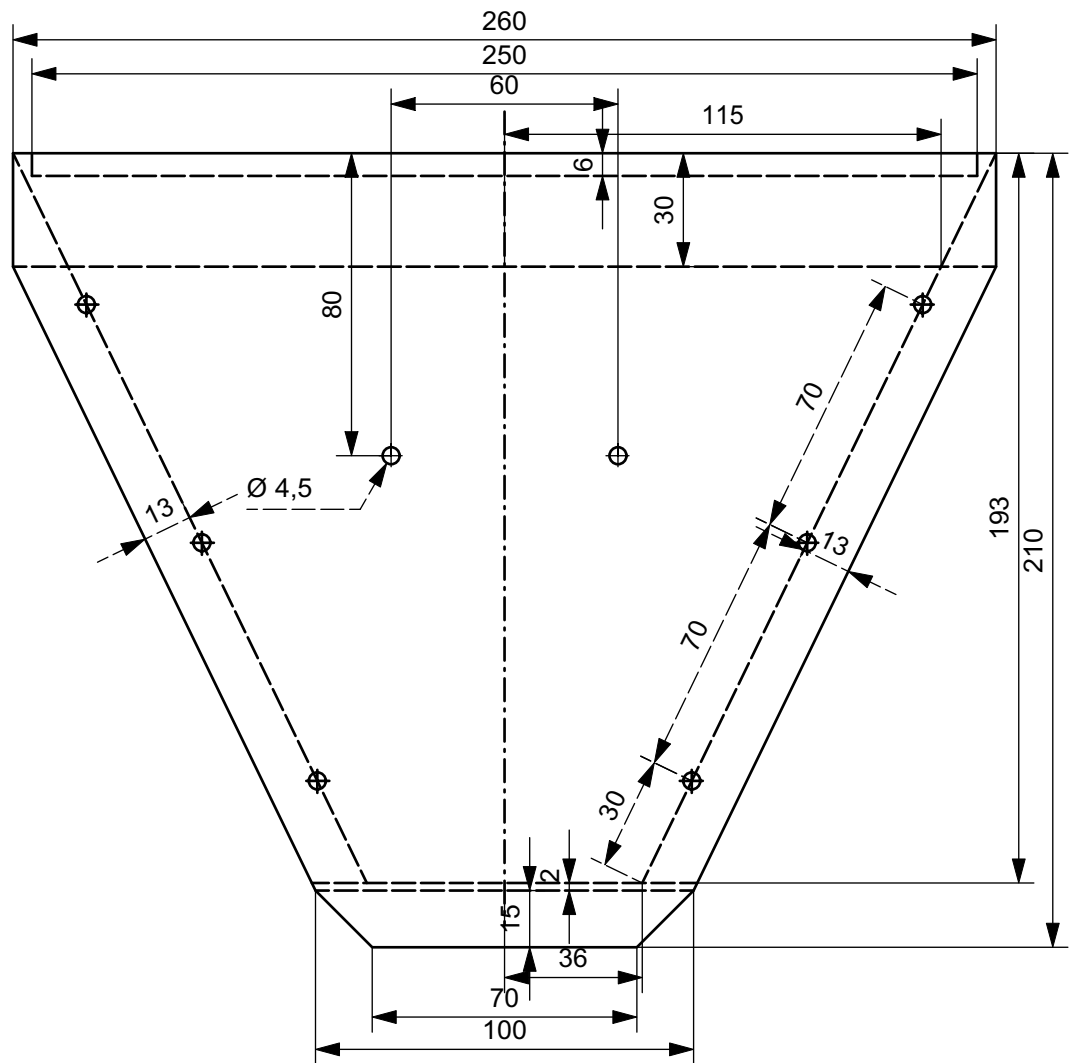


Then, screw one nut (8) each. Attach the second flat bar (11) and fix it with a cap nut (9).

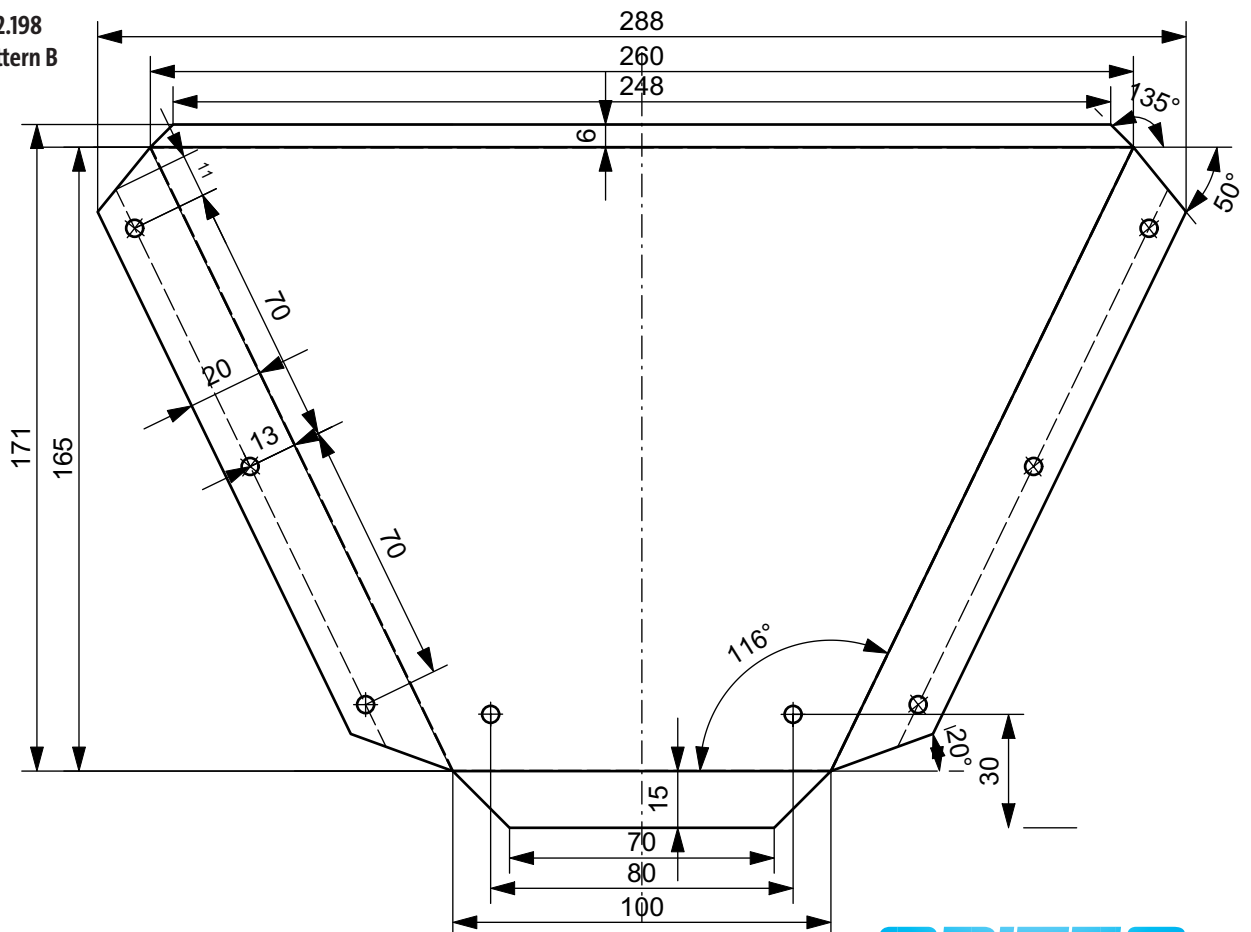


Done!

Instructions 112.198
Table Grill - Pattern A
Scale 1:2



Instructions 112.198
Table Grill - Pattern B
Scale 1:2



Instructions 112.198
Table Grill - Pattern C
Scale 1:1

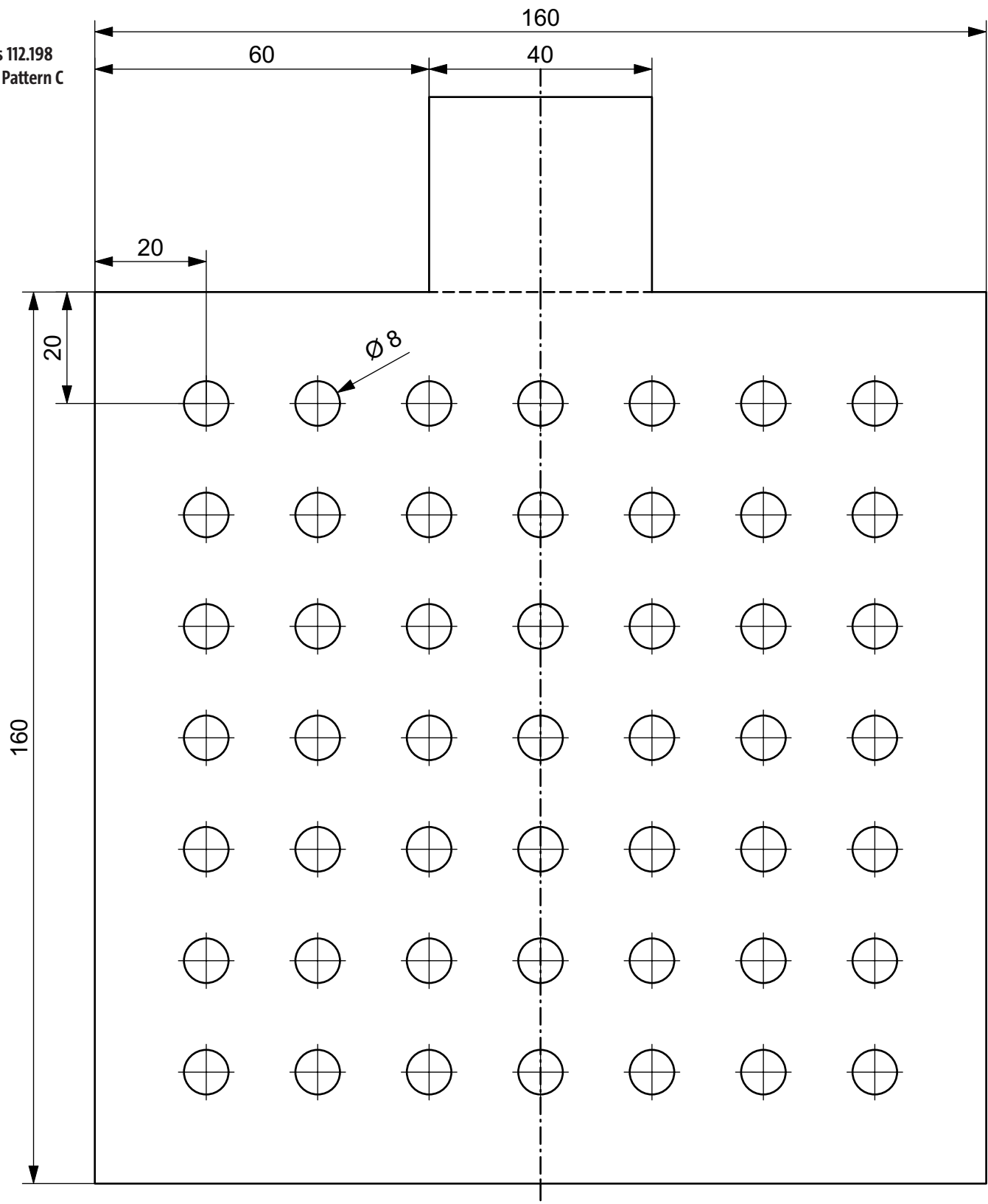
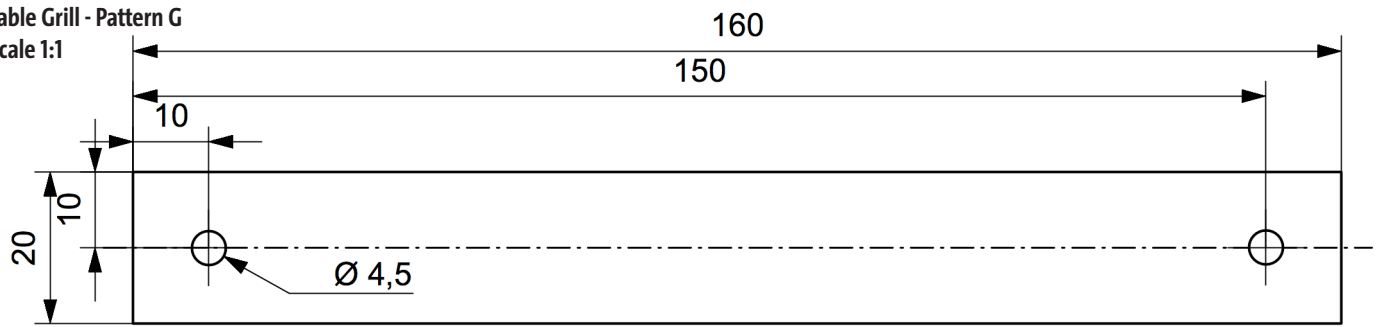


Table Grill - Pattern G
Scale 1:1



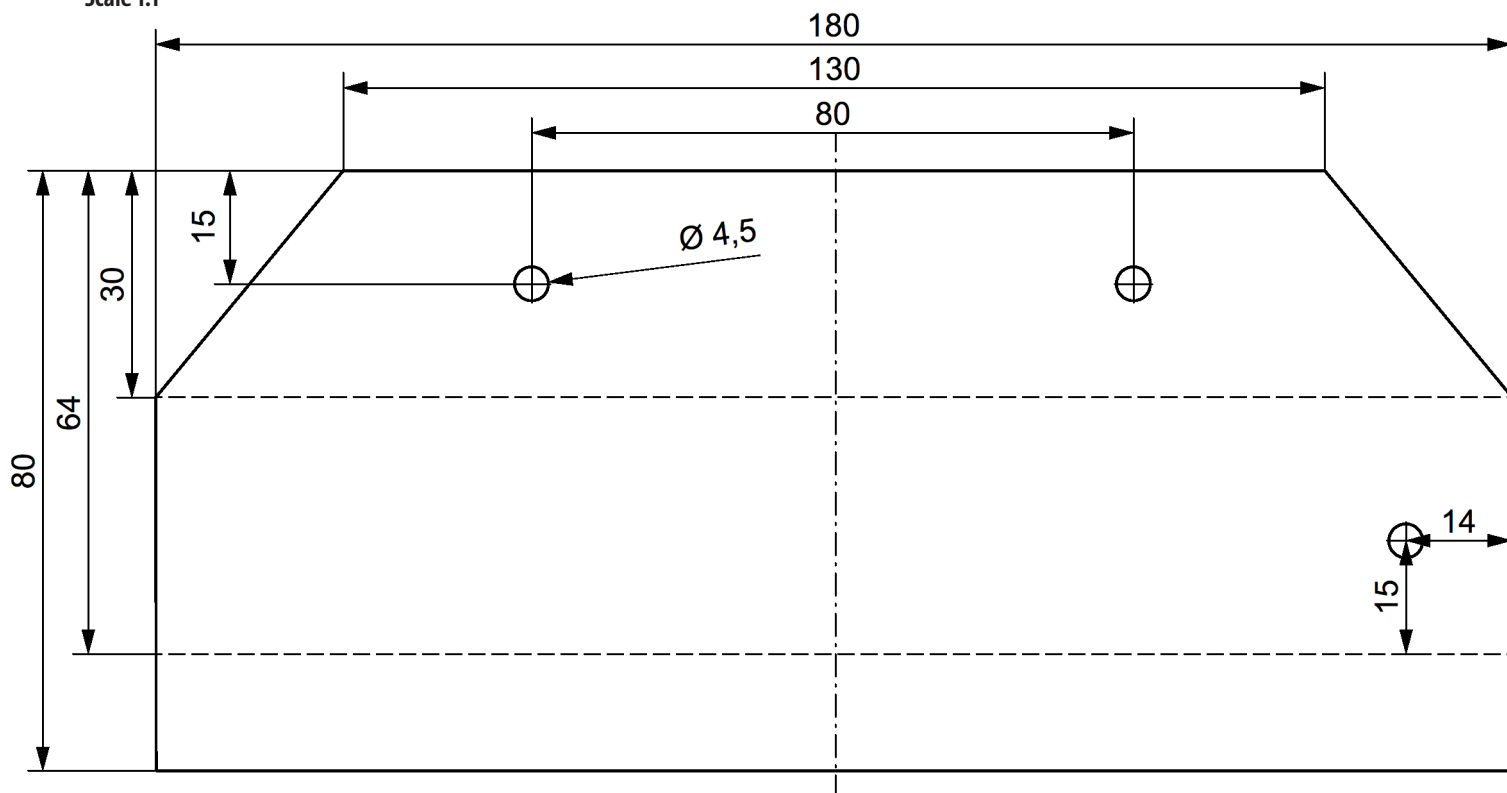
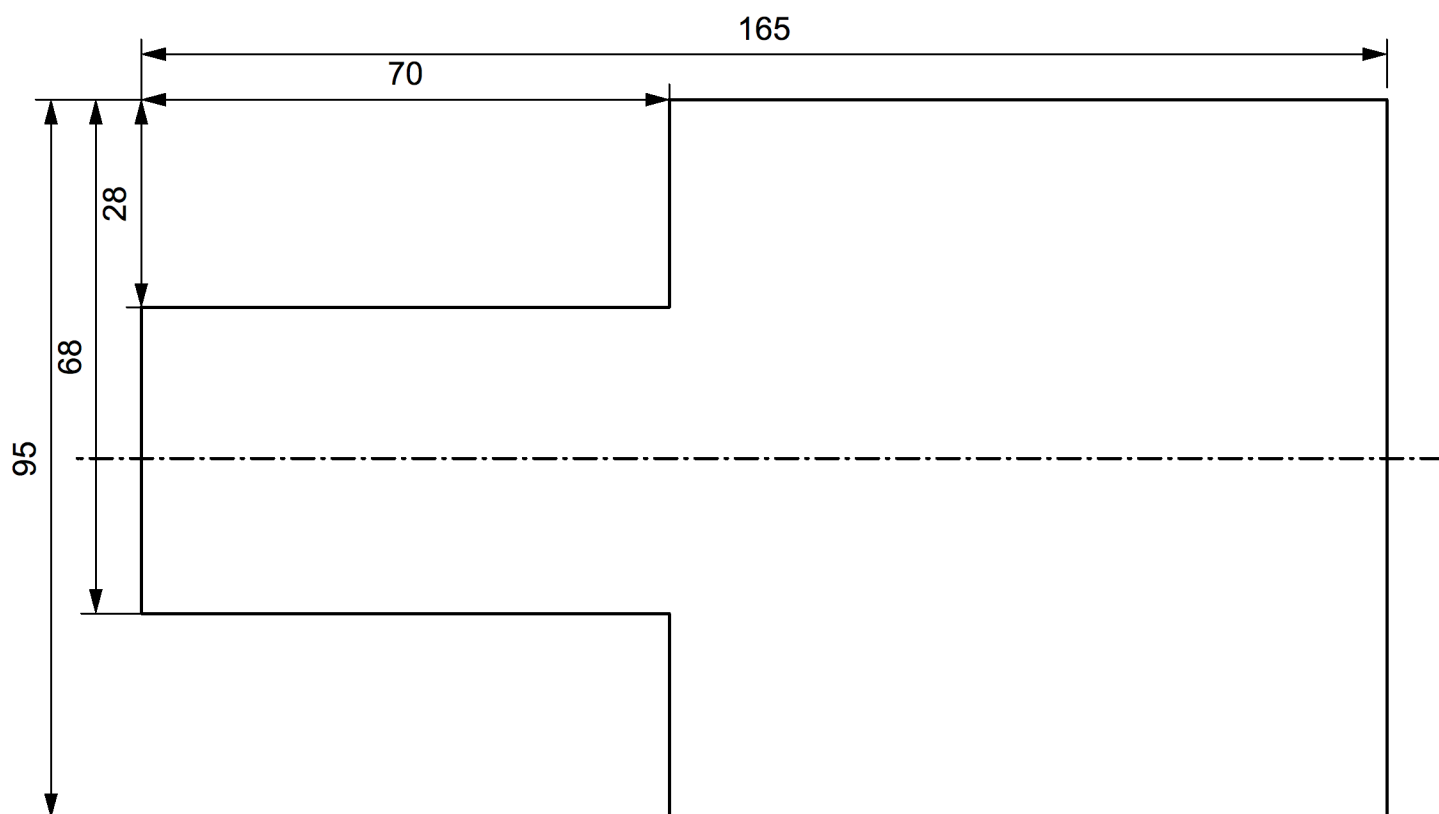


Table Grill - Pattern H
Scale 1:1

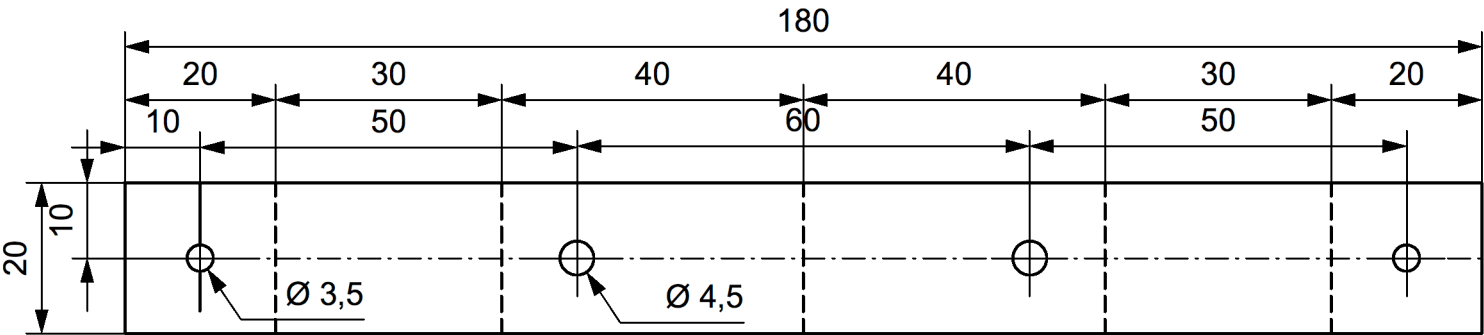


Table Grill - Pattern F
Scale 1:2

