

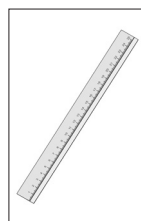
110.741 Pocket-Bowling



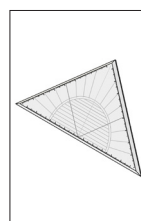
Necessary Tools:



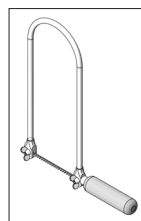
Pencil



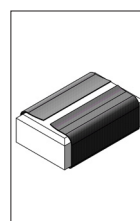
Ruler



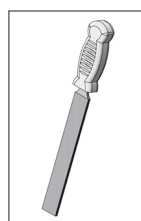
Triangle



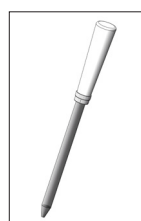
Fretsaw



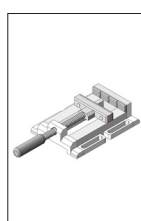
Sandpaper & Block



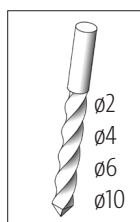
File flat



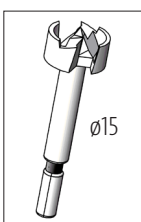
File round



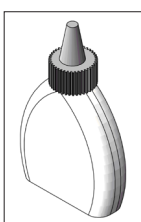
Machine vice



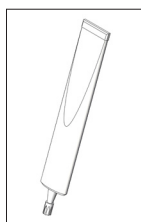
Drills



Forstner bit



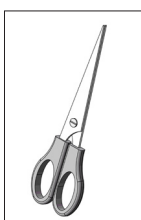
Wood glue



all purpose glue



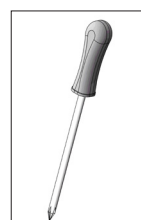
Paints, Acrylic



Scissors



craft knife



screwdriver

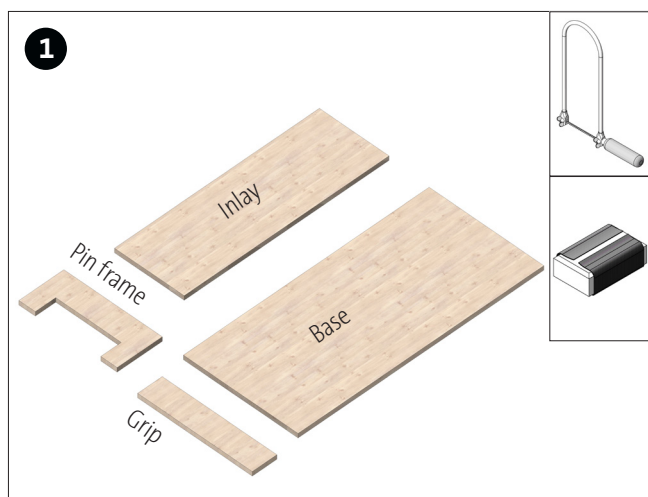
Hinweis

Bei den OPITEC Werkpackungen handelt es sich nach Fertigstellung nicht um Artikel mit Spielzeugcharakter allgemein handelsüblicher Art, sondern um Lehr- und Lernmittel als Unterstützung der pädagogischen Arbeit. Dieser Bausatz darf von Kindern und Jugendlichen nur unter Anleitung und Aufsicht von sachkundigen Erwachsenen gebaut und betrieben werden. Für Kinder unter 36 Monaten nicht geeignet. Erstickungsgefahr!

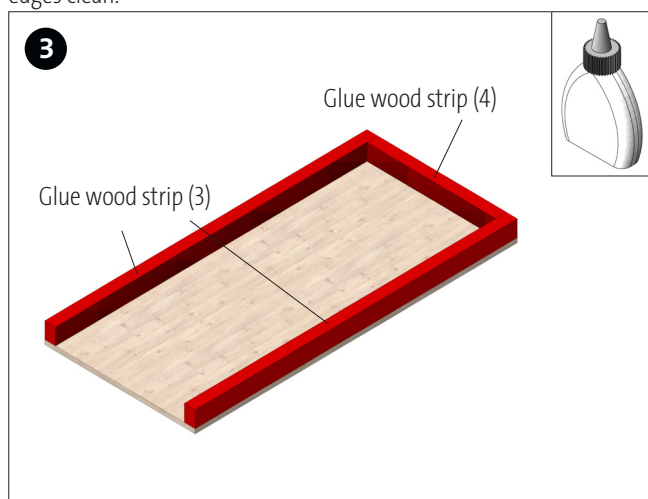
Partlist	number of pieces	Dimensions	Designation	Part no.
Plywood	1	350x260x4	Base, holder, small parts	1
Acrylic sheet	1	250x110x2	Cover, drawer	2
Wood strip	2	300x15x10	Side parts	3
Wood strip	1	150x15x10	Ends	4
Wood strip	2	250x10x10	Drawer sides	5
Wood strip	1	40x40x20	Start block	6
Grey card	1	210x120x1	Underneath part	7
Scews	7	10x3	Screws, cover / startblock	8
Brass tubes	10	25x5	Pins	9
Steel ball	1	ø10	Ball	10

Instructions 110.741

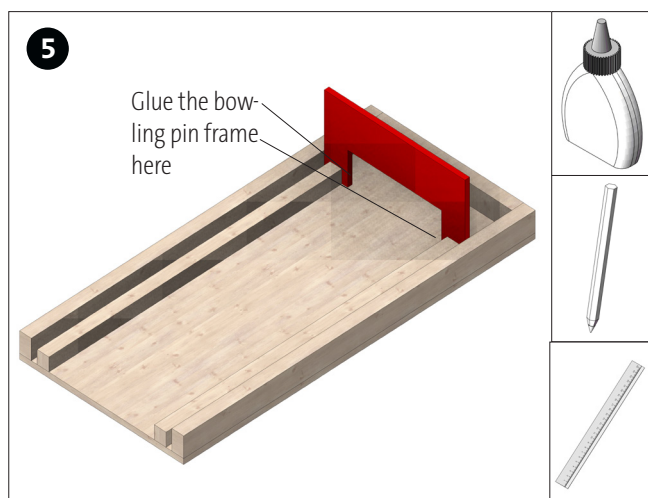
Pocket-Bowling



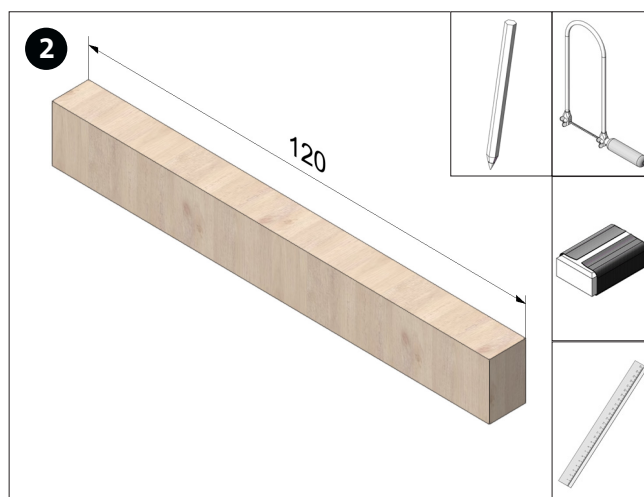
Use the plan on page 5 to mark out the individual parts on the plywood sheet (1) (Base, inlay, handle and frame (1) Sand all the sawn edges clean.



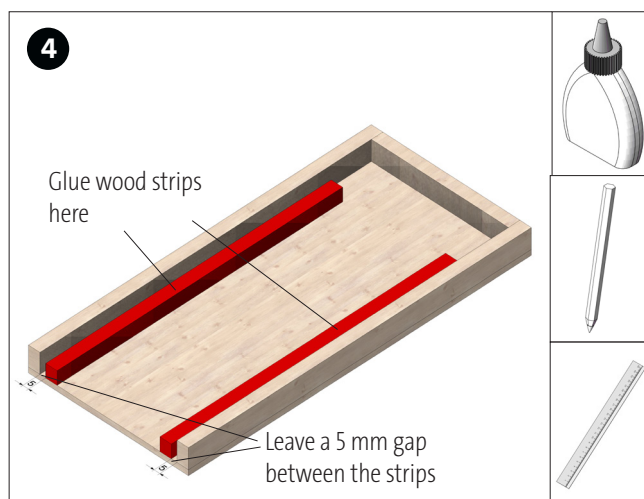
Den Leistenzuschnitt 120x15x10 sowie die beiden Holzleisten (3) 300x15x10 wie abgebildet auf die Grundplatte aufleimen.



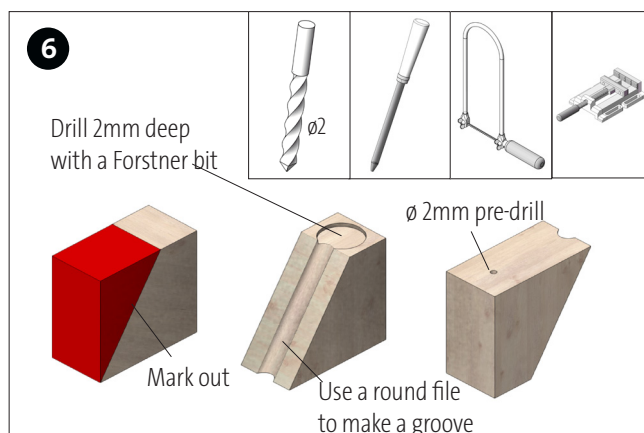
Take the bowling pin frame from Step 1 and glue it inplace as shown. It should be glued across the ends of the innner wood strips (5) and to the base



Saw wood strip (4) 150x15x10 to 120 mm long .



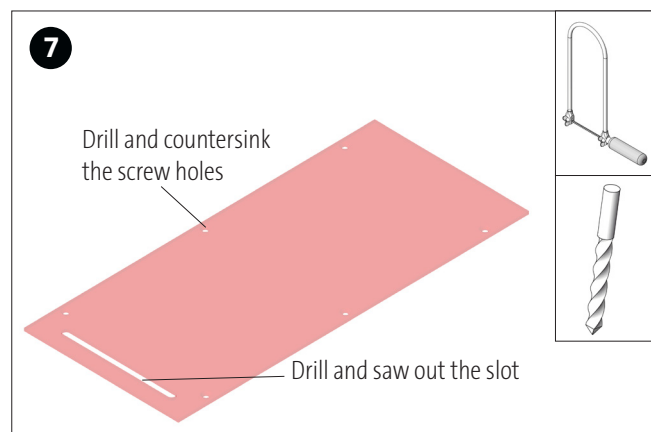
From the side wood strips (3) 300x15x10 measure a gap of 5mm on the inside. Glue the wood strips (5) 250x10x10 along these marks



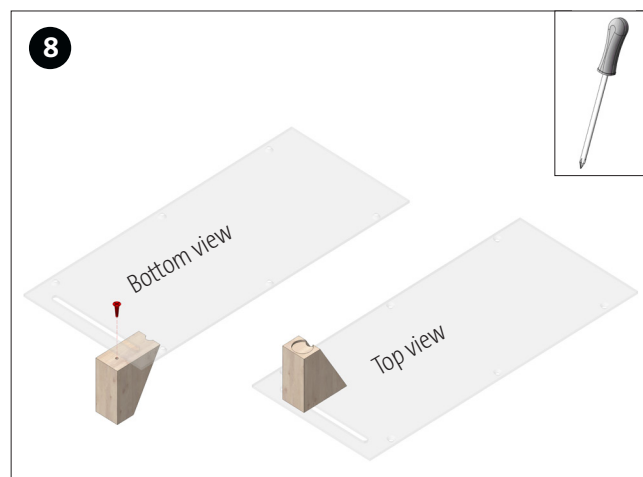
Take the wood strip (6) and make the startblock. Use the plan to mark it out on the 40 x 40mm side. Place the wood in a machine vice or clamp and saw along the line. On the top in the middle use a 15mm Forstner bit to drill a hole 2mm deep. On the sloping side, using a round file , make a groove ca 3mm deep Turn the block over and pre-drill a 2mm hole in the bottom. See pattern on page 5.

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Pocket-Bowling

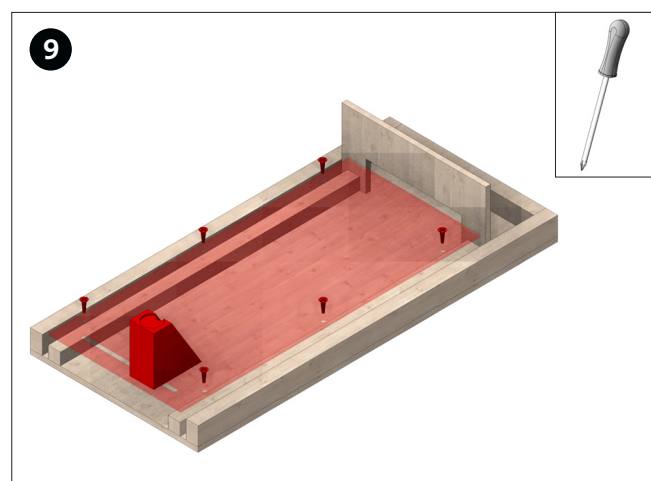


Mark out and drill the holes and the slot, see plan (Page 7) on the acrylic sheet (2). To make the slot, carefully drill a 4mm hole at the ends and saw out the slot with a fretsaw. Drill and countersink the 3mm holes for the screws.

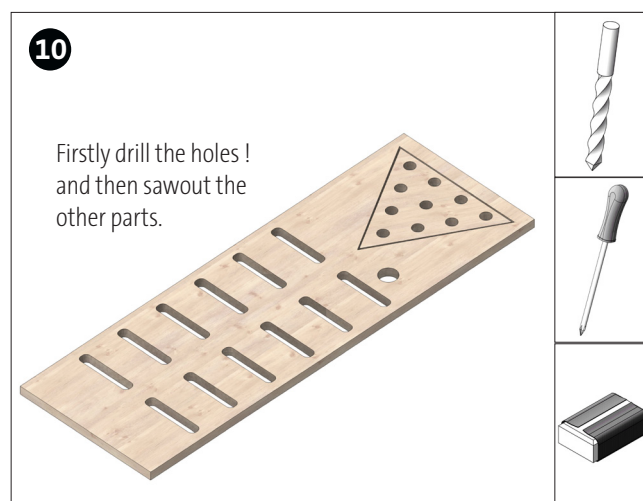


Place the startblock from above over the cut out and fix with a screw from underneath (8) ensure that it can move.

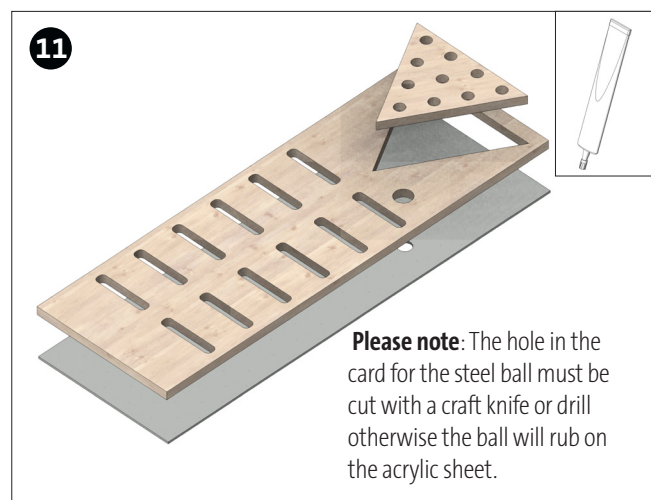
Note: Do not overtighten the screw (8) the startblock must be able to move in the slot!



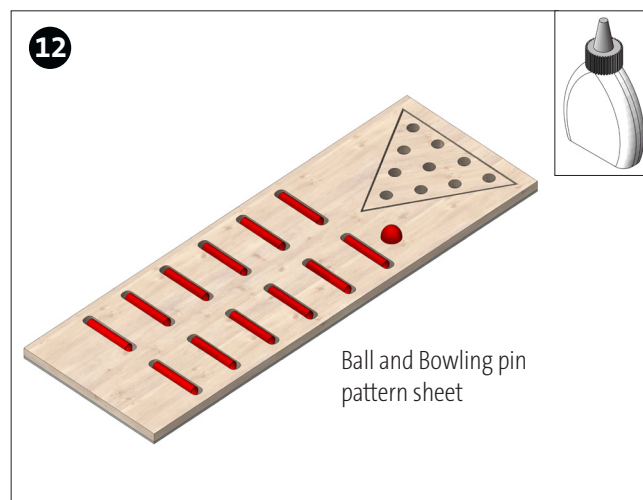
Place the acrylic sheet and startbox on the frame (5) mark out the screw holes and fix the acrylic sheet in position.



On the plywood sheet mark out all the contours and holes as shown on the plan (Page 7). Drill all the holes $\varnothing 6+10+12$ mm and make the slots etc. Carefully sand to finish.

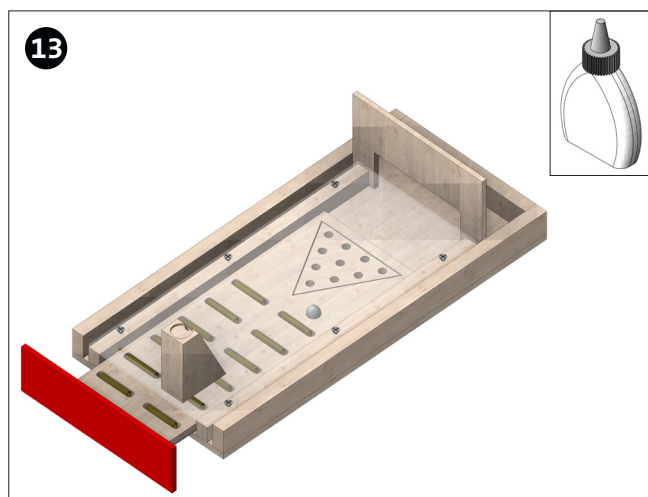


Cut out the grey card (10) according to the plan on page 6 and glue to the underside. Let the glue dry and set the bowling pin pattern



Place the bowling pins (Brass tube 10) and steel ball (10) in the cutouts:

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Pocket-Bowling



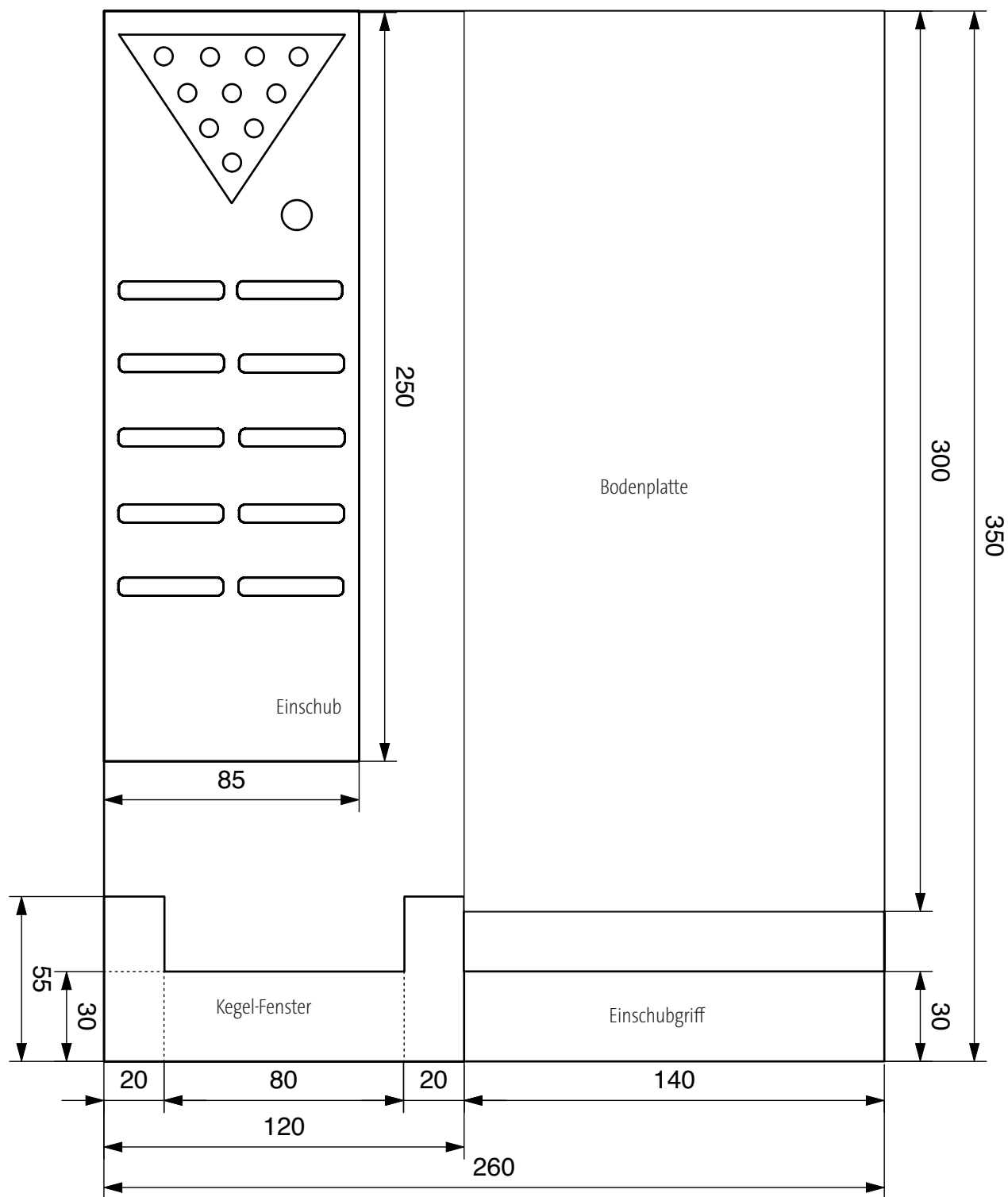
Insert the sliding drawer in place leaving about 2cm proud at the front. Apply glue to the front edge and glue the handle on



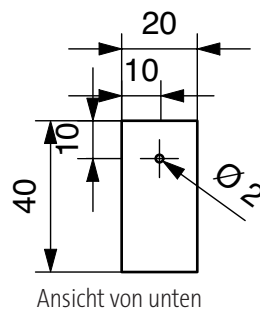
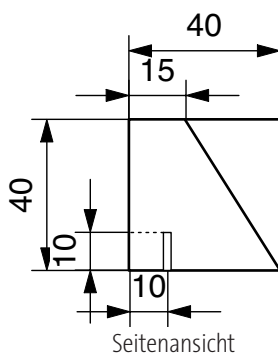
Finished!

GAME RULES:

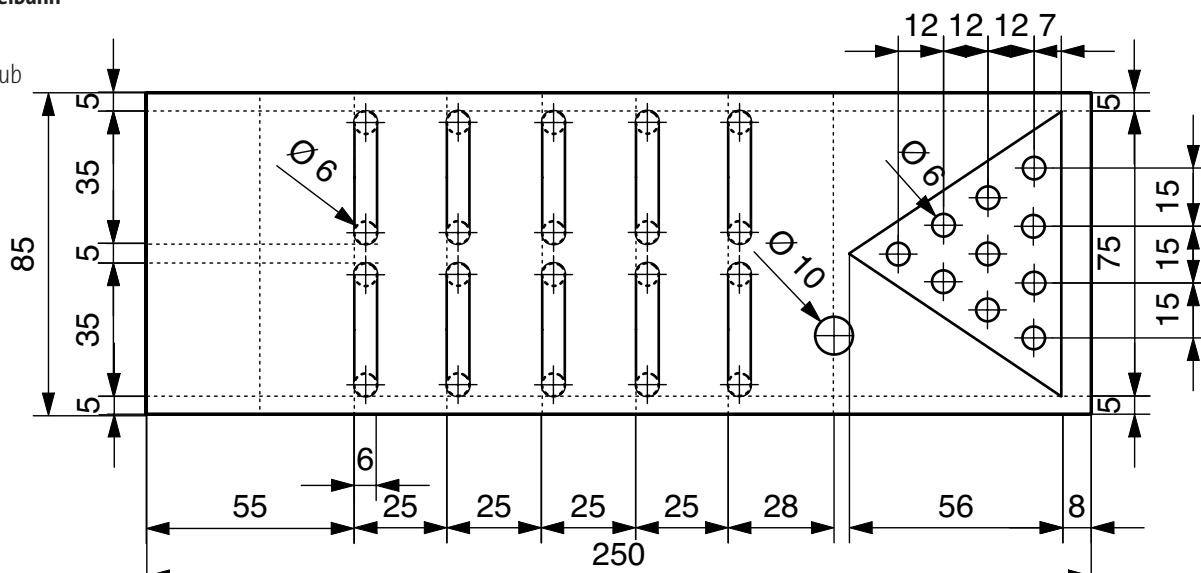
Firstly stand the pins in place using the pattern card
Position the starting block so that the ball will hit the middle of the pins
Let the steel ball run down the block and see how many you have hit
The winner is the one who knocks them all down in the least number of goes



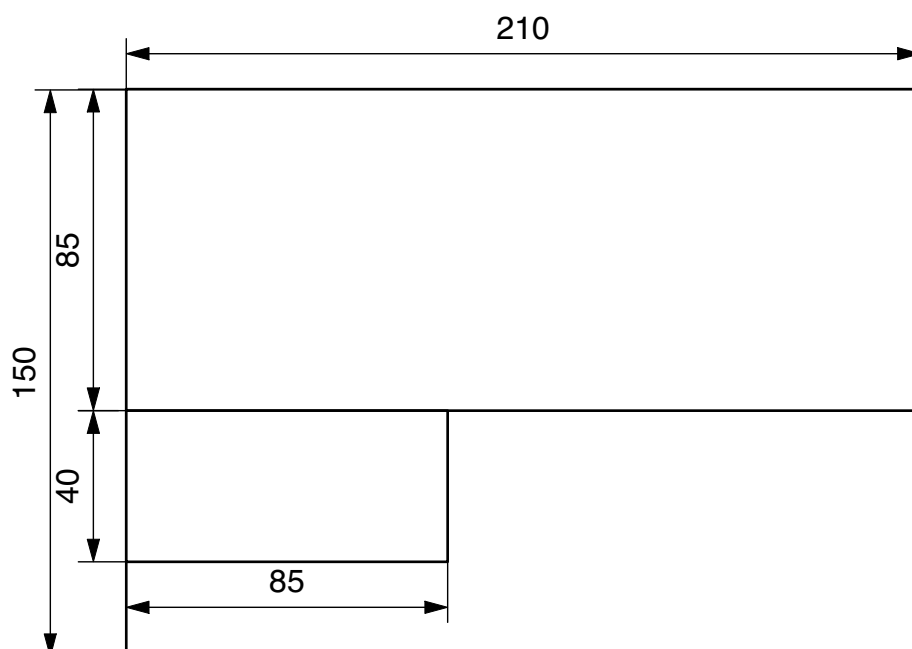
Plan für den Startblock
M 1:2



Plan Einschub
M 1:2



Plan
Graupappe
M 1:2



Plan
Acrylglas
M 1:2

