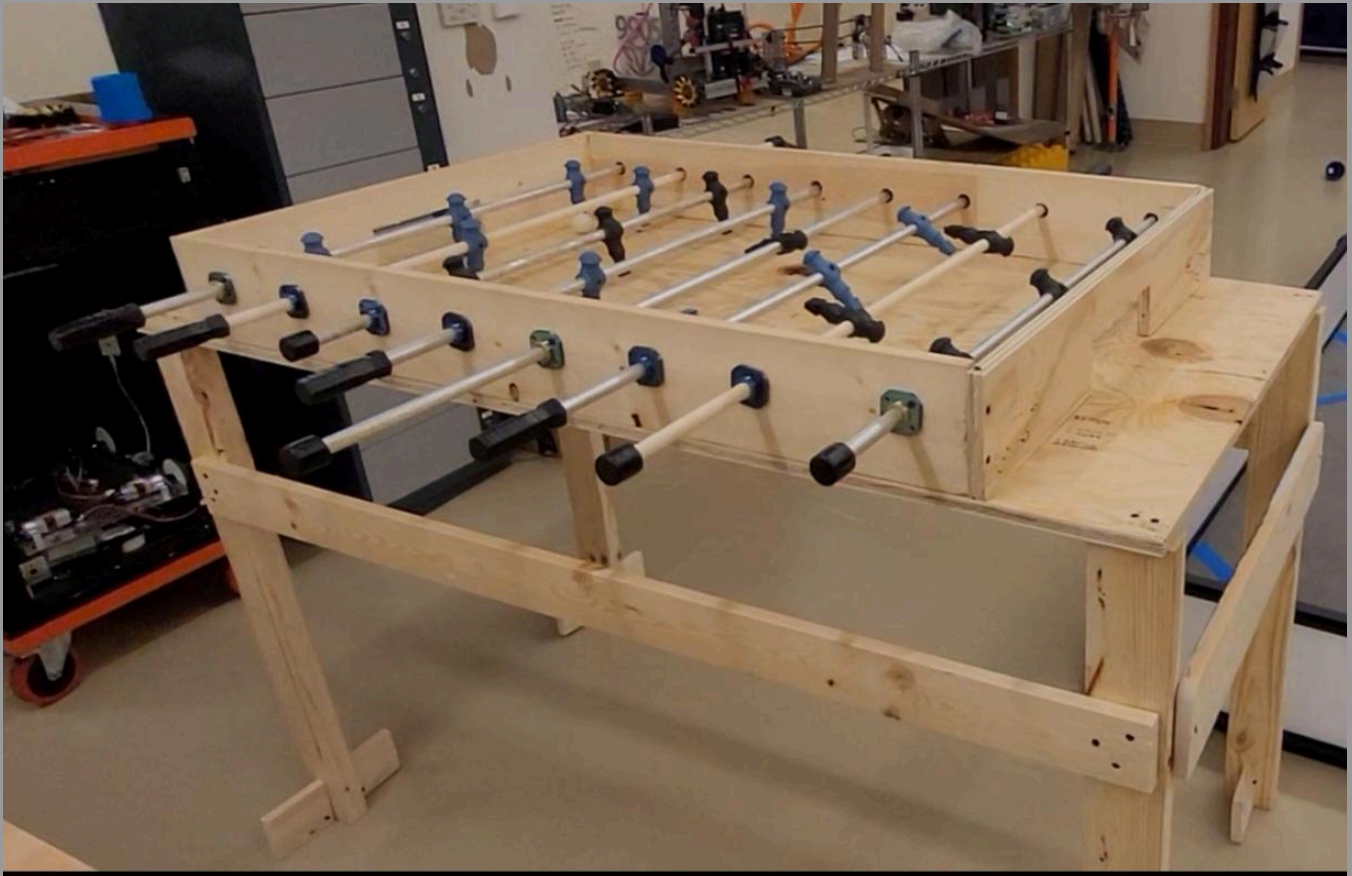


# Building a Foosball Table



By: Tanay Goel

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# Building a Foosball Table

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## Introduction

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Foosball is a popular game that has been enjoyed by people for decades. If you are a fan of foosball and want to build your own foosball table, this technical document will provide you with the necessary information to do so.

## The Problem

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The problem to be addressed is the lack of access to affordable foosball tables for individuals and communities. Commercially available foosball tables can be expensive, making them inaccessible to many people. By providing a detailed guide for building a foosball table, this document aims to help address this issue by enabling people to build their own tables at a lower cost.

## Design

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The design of the foosball table will consist of the following components:

- Tabletop (2 pieces)
- Side walls (4 pieces)
- End walls (2 pieces)
- Goal boxes (2 pieces)
- Plastic or wooden dowels (8 pieces)
- Foosball men and handles (10 pieces each)
- Foosball ball (1)
- Legs (4)
- Leg Braces (4)

The table will be constructed using MDF or plywood sheets, which are affordable and readily available. The table will have dimensions of 60 inches in length, 30 inches in width, and 36 inches in height.

## Construction Summary

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## Step 1: Cut the table parts

- Use a table saw or circular saw to cut the MDF or plywood sheets into the tabletop, side walls, end walls, and goal boxes.

## Step 2: Assemble the table

- Use screws to assemble the table, starting with the tabletop and attaching the side walls, end walls, and goal boxes.

## Step 3: 3d Print all parts

[https://drive.google.com/drive/folders/15YrremudBzd\\_L2rut\\_uQFgsSgbgv2M8e?usp=sharing](https://drive.google.com/drive/folders/15YrremudBzd_L2rut_uQFgsSgbgv2M8e?usp=sharing)

## Step 3: Drill the holes

- Use a drill to make holes for the dowels, foosball men, and handles.

## Step 4: Sand and paint

- Sand the table with 120-grit sandpaper to smooth out any rough edges or surfaces. Follow up with 220-grit sandpaper for a smoother finish. Once sanded, paint the table as desired.

## Step 5: Install the foosball men and handles

- Insert the dowels into the holes and attach the foosball men and handles. Make sure the men are spaced evenly across the table and that the handles are tight and secure.

## Step 6: Add the ball

- Place the foosball ball in the center of the table and you're ready to play!

## Step 7: Program and Build Arduino

- [Code](#)

## Reflection

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Building a foosball table was a challenging yet rewarding experience. The project required basic woodworking skills and tools, and the end result was a functional and enjoyable game table. One challenge was ensuring that the table was level and stable, which required careful measurement and construction. However, this challenge was overcome with the use of clamps and careful sanding.

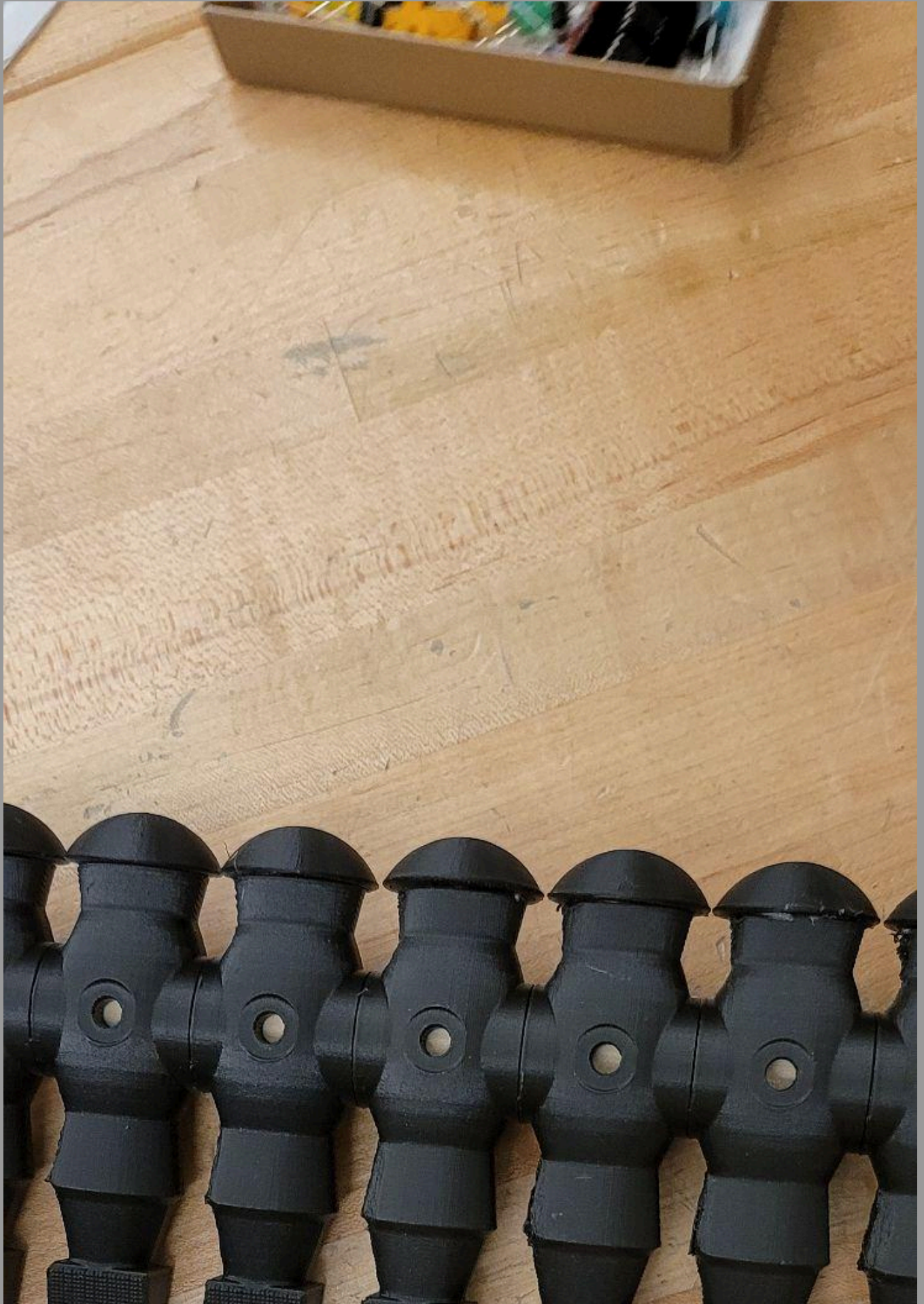
Overall, building a foosball table is a fun and rewarding project that can be enjoyed by anyone who loves the game. By following these step-by-step instructions, anyone can build their own foosball table and enjoy playing this classic game with friends and family.

## Building a Foosball Table



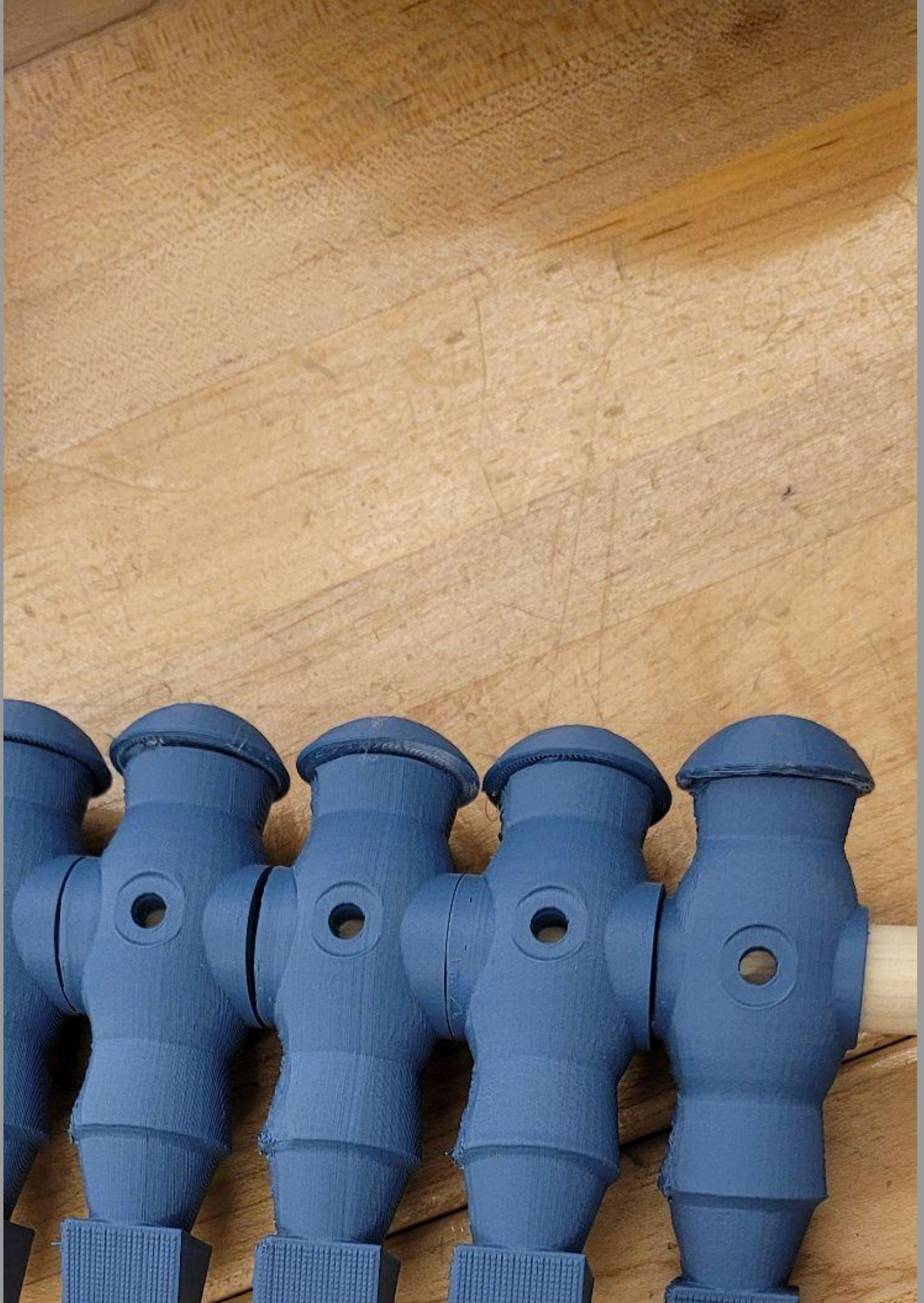


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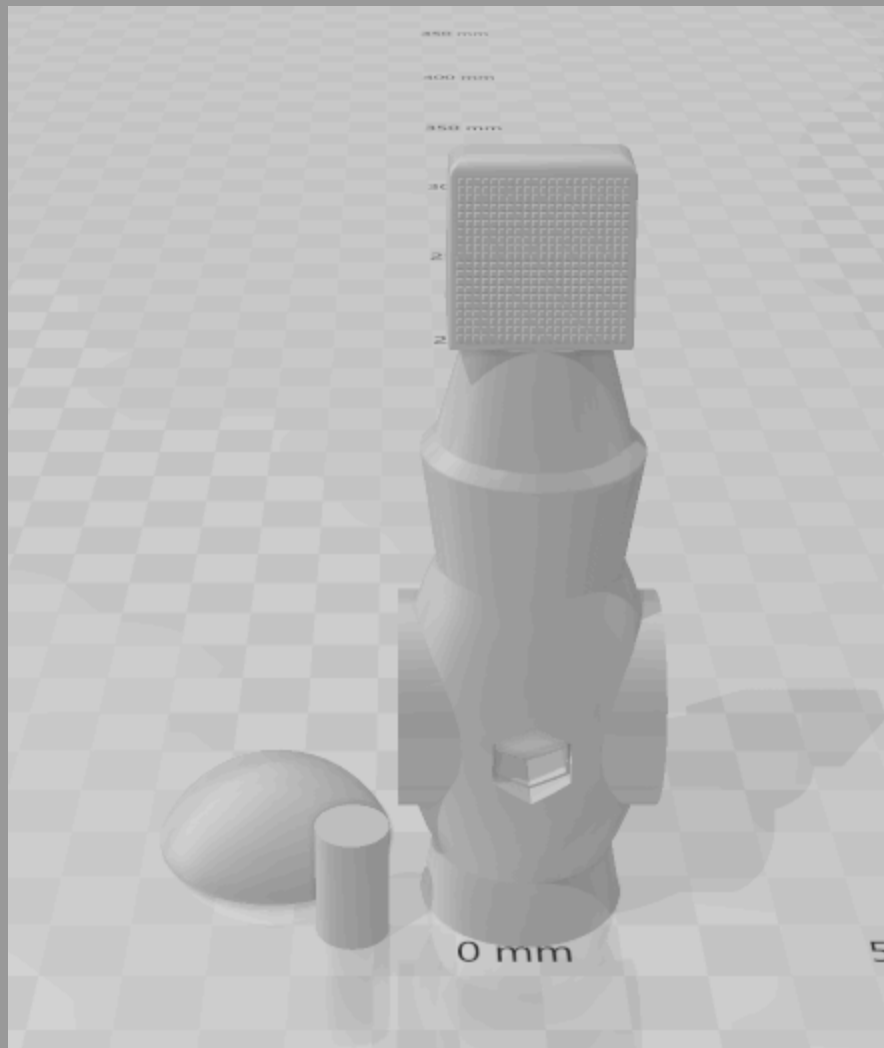


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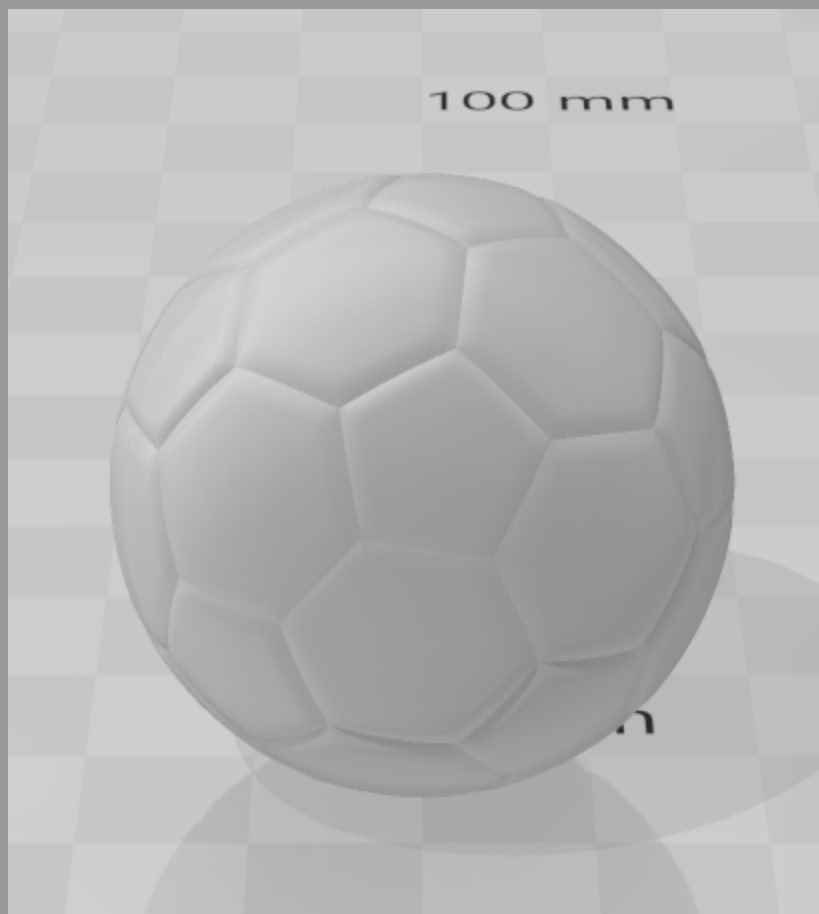


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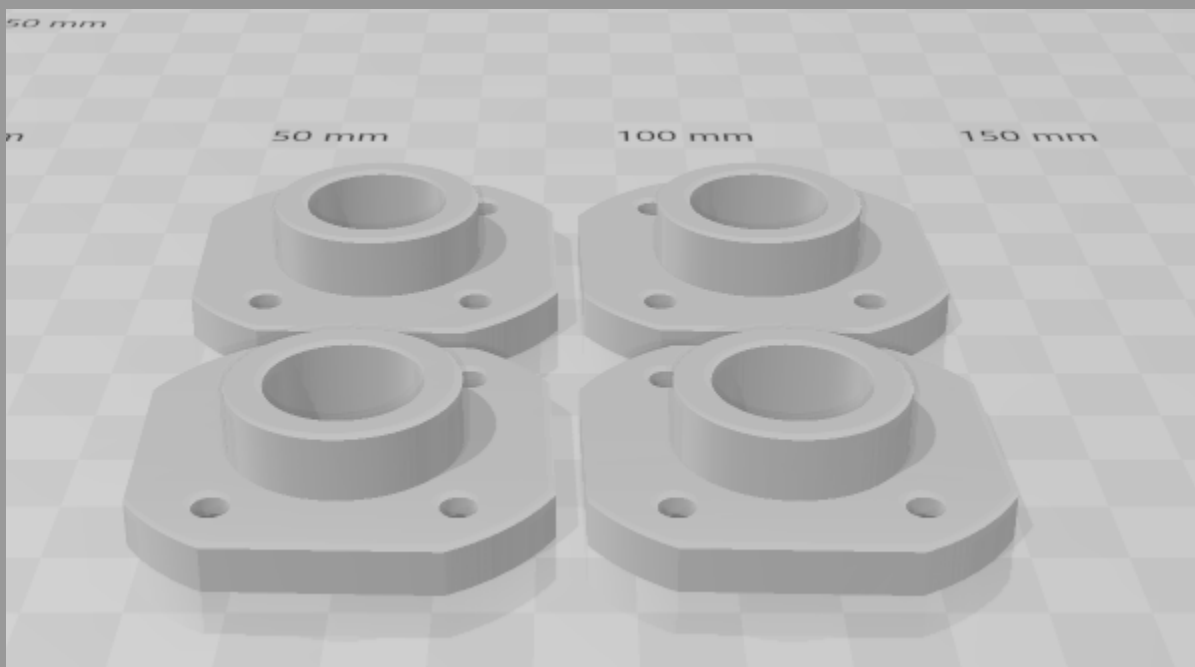
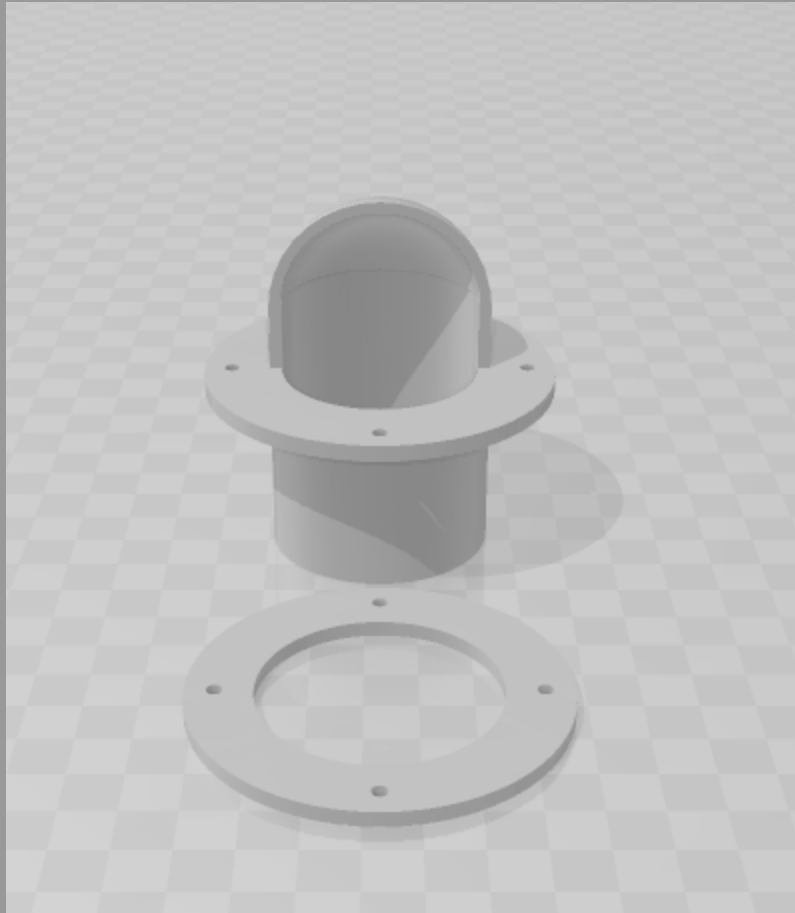




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