🕒 TOPO Clock – 3D Printed Minimalist Desk Clock

A sculptural, modern clock inspired by topographic contours. Its layered surface plays with light and shadow, turning a functional timepiece into minimalist decor.

The clock is designed to be hanged on the wall or there is a printable stand, so you can place it on the shelf.

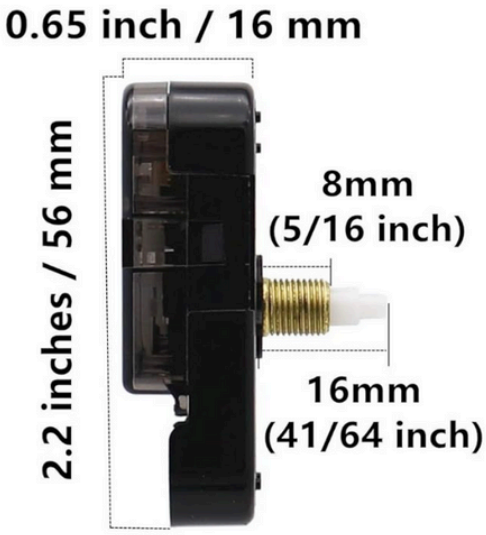
It uses a standard clock mechanism with 16-20 mm long shaft. (16 mm is the minimum and optimal length).

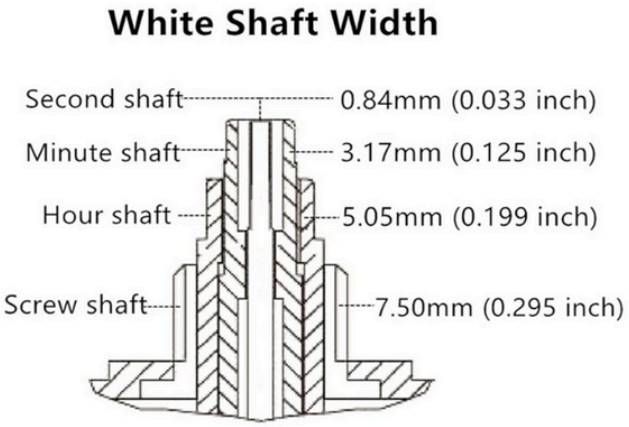
Link for the mechanism:

USA: https://amzn.to/45yRVJn

EU: https://amzn.to/4mMCbJF









📦 Parts List

- **Body A – front frame**

- **Body B – back frame**
- **Clock face topology – textured plate**
- **Stand – base support**
- **Back cover – rear panel**
- **Hour hand**
- **Minute hand**
- **Hour markers ×4**

Hardware:

- **Clock mechanism**
- **Superglue**

🖨️ Print Settings

- **Nozzle diameter: 0.4 mm**
- **Layer height: 0.24 mm**
- **Top shell layers: 4**
- **Bottom shell layers: 3**
- **Infill (per part):**
  - **Clock face → 12% (5 top shells)**
  - **Body B → 7%**
  - **Stand → 12% (USE 0.16 mm layer height for optimal results)**
  - **Body A → 6%**
  - **Back cover, hands, hour markers → solid walls only**
- **Supports: ❌ Off**

⚙️ Assembly Instructions

1. **Print all parts.**
2. **Join Body A and Body B with superglue.**
3. **Attach the topology faceplate to the body with superglue.**
   - **⚠️ Align the grooves at the bottom of the clock face with the lines on the body surface.**
4. **Glue in the 4 hour markers.**
5. **Insert the clock mechanism through the central hole → Clock mechanism link**
   - **🔹 *Optional:* Apply a small amount of superglue to the front surface before inserting, to secure the mechanism. Make sure it is oriented correctly.**
6. **Attach the hands: Snap the hour hand on first (pointing to 12), then snap on the minute hand (also aligned to 12).**
7. **Close the back cover to finish.**

🔧 Troubleshooting

- **If the hour or minute hand feels too tight, scale the part up in your slicer by 0.5–1% and reprint.**

💬 Questions or Feedback?

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🧠 Join the Community:

https://discord.gg/SagnAaCgHF