

Clicky Rotate Counter



BaGooN

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Summary

This is a 2-digit counter that counts from 00 to 99

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This 2-digit counter boasts a stylish design! It features a wheel with a satisfying click. Each number comes to a stop with a click. and easy snap on assembly.

Assembly:

0. print a total of 5 parts: 'Case_M', 'Case_F', 'Spring', 'Wheel_A', and 'Wheel_B'. Choose either the Standard or Reversed case, and select either Normal or Soft for the spring.

1. Put the wheel onto the 'case_M' part and check its rotation. If it feels stiff, use sandpaper or apply a small amount of grease to the inside of the wheel. (When you choose the reversed design case the wheel numbers must be placed downward.)



2. Put the spring onto the 'case_M' part.



3. Snap-on the opposite side of the case.



Notes:

- **Recommended layer height: 0.15 - 0.20mm**, In my case with slicer, layer heights above 0.28mm, the spring, wheel clearance lost are do not function.

- When printing with PLA, be cautious when using low adhesion filaments such as matte PLA or silk PLA, as they may be more prone to breakage during the assembly process.

Update:

[06/01/2024]

I have fine-tuned the chamfer of Case_M.stl, changed it to v1.21, and compatibility with other parts has been preserved.

[04/01/2024]

I have released a case with reversed front and back designs, as a result, the existing case has undergone minor adjustments and is now v1.2.

[03/01/2024]

v1.2 files - I adjusted the spring and wheel to enhance the clicking sensation and reduce play.

[02/01/2024]

Bugfix - In the initial release, the number "6" on "Wheel_A.stl" was upside down. I have addressed this issue and released the corrected version, "Wheel_A_v1.1".

Model files



case_m_v121.stl

☐ standard design case



case_f_v12.stl

☐ standard design case



wheel_a_v12.stl



wheel_b_v12.stl



spring_soft_v12.stl

☐ for children, for fidget toy use



spring_normal_v12.stl



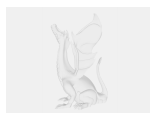
reversedcase_f_v12.stl

☐ Reversed front and back design case



simplecase_m_v121.stl

☐ Reversed front and back design case



clickyrotatecounter_v12.step

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