



String Spinner



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Summary

3D printable string spinner with 3 colorful disc designs and handles. Twist the string, pull and watch it spin!

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Tags: [toy](#) [spinner](#) [string](#) [colormix](#)

String Spinner - 3 Designs | Handle Included

A simple and fun **3D printable string spinner** based on a classic spinning toy.

The set includes **3 different spinner disc designs** and a specially designed **handle** that makes the spinner more comfortable to use. Just add a piece of string and the toy is ready to assemble.

No batteries, electronics or complicated mechanisms — the spinner is powered entirely by the **twisting and untwisting of the string**.

How does it work?

The principle is very simple.

The string passes through the **two holes in the center of the spinner disc**. When the string becomes twisted, it stores energy.

Pulling the handles apart causes the twisted string to **unwind rapidly**, making the disc spin at high speed. As the disc continues rotating, the string twists again in the opposite direction.

By repeatedly pulling and relaxing the string, the spinner can keep rotating back and forth.

The colorful patterns create a fun **visual effect while spinning**, with each of the three discs producing a different appearance.

3 Spinner Designs

The set includes **3 different disc designs**:

- Multi-ring geometric pattern
- Radial color pattern
- Swirl / pinwheel pattern

Choose your favorite or print all three and compare their spinning effects.

Handle Included

A dedicated **3D printable handle** is included.

Instead of holding the string directly with your fingers, the handles provide a more comfortable and secure grip.

The **groove in the center of the handle** is designed as the attachment point for the string. Hold the handles firmly in your hands while operating the spinner.

Additional Material

You will need:

String: maximum **Ø2 mm**

Length: approximately **140 cm**

Pass the string through the **two center holes of the spinner disc**, then attach the ends to the handles.

Make sure the string is securely attached before using the spinner.

Printing

The spinner and handles are designed to be completely **3D printable**.

You can print the individual sections of the discs in different filament colors to create your own combinations.

Bright, contrasting colors are especially effective because the colors visually blend and change while the disc is spinning.

⚠️ **Safety**

Before use, always check that the **string is securely attached** and that the printed parts are not damaged.

Use the spinner in an open area and keep it away from the face, fragile objects and other people while it is spinning.

Simple mechanical fun

Twist the string. Pull the handles. Watch it spin.

A simple mechanism turns twisted string into fast rotational motion — with **3 different discs to choose from** and no batteries required.

Design & Creation Disclosure

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Model files

rainbow_spinner_handle.stl





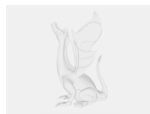
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rainbow_spinner_v3.stl



rainbow_spinner.f3d



rainbow_spinner_v1.3mf



rainbow_spinner_v2.3mf



rainbow_spinner_v3.3mf

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