Printables logo

Soft Tape Measure Spool Remix - Parametric

3D MODEL ONLY

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Summary

Soft Tape Measure Holder

Hobby & Makers > Tools

Tags: spool holder measure sewing tape reel thingiverse

See sizing instructions below Original Tingivese Description

This is a remix on ohmg's tape measure holder. Thank you for providing the STEP file!

My wife's tape measure had a rivet holding on the metal end, so I had to make a notch in it for that. I was also having a hard time with the finger hole because it was providing asymmetrical pressure on the outer piece. This increased the friction and made it hard to spin. At lease that was the case for me. Your mileage may vary.

So I just removed the finger hole and added a cross handle so that it winds up like those old metal wind-up toys

Updates

March 23, 2023

- Included Parametric Fusion 360 File
- Included new sizes
  - heights from 16-20mm in 1mm steps
  - diameters from 45-55mm in 1mm steps

April 13, 2023

- Added the 16X45mm base, which was missing for some reason
- Organized all of the STLs into folders by height and ordered the files within each folder by diameter
- Added note about going below 16mm on the height

May 23, 2023

- Added a 20x60 base per special request.
- **Please leave a comment if there is a special size you need and I will try to get to it when I can. Thanks!**

How to choose the right size

When it comes to getting the right size, you have 2 options. You can use the pre-sized stl files, or to really dial in the size you can open up the f3d file in Fusion 360 and change the parameters to the exact measurements of your tape measure. Either way, follow the procedure below for a great fit:

Step 1 - Measure the width of your tape

Step 2 - Print the winder part

- If you are using the STL files, select the winder (inner) part that is as tall, or slightly taller than your tape measure is wide.
- If you are using the Fusion 360 file, open the parameters panel and set the tape_height to your measurement.
    - **NOTE:** Going below 16mm will start to affect the geometry of the winder. It may still function but it will be missing some faces.
- Print the winder part

Step 3 - Wind your tape and measure the diameter

Once the winder part is printed, wind your tape on it to get an accurate measurement of the overall diameter.

Step 4 - Print the base

- If you are using the STL files, select the base that has the same height as the winder you printed and a diameter that is equal to or slightly larger than your measurement.
- If you are using the Fusion 360 file, set the inside_diameter parameter to your measurement
- Print the base part

Step 4 - Assemble

- carefully snap the parts together
- wind your tape
- enjoy 😀

This remix is based on

None

None

Model files

Original	2 files
base_original.stl	
winder_original.stl	

16mm (height)	12 files
winder_height-16mm.stl	
base_height-16mm_diameter-45mm.stl	
base_height-16mm_diameter-46mm.stl	
base_height-16mm_diameter-47mm.stl	

base_height-16mm_diameter-48mm.stl

base_height-16mm_diameter-49mm.stl

base_height-16mm_diameter-50mm.stl

base_height-16mm_diameter-51mm.stl

base_height-16mm_diameter-52mm.stl

base_height-16mm_diameter-53mm.stl

base_height-16mm_diameter-54mm.stl

base_height-16mm_diameter-55mm.stl

17mm (height) 12 files

winder_height-17mm.stl

base_height-17mm_diameter-45mm.stl

base_height-17mm_diameter-46mm.stl

base_height-17mm_diameter-47mm.stl

base_height-17mm_diameter-48mm.stl

base_height-17mm_diameter-49mm.stl

base_height-17mm_diameter-50mm.stl

base_height-17mm_diameter-51mm.stl

base_height-17mm_diameter-52mm.stl

base_height-17mm_diameter-53mm.stl

base_height-17mm_diameter-54mm.stl

base_height-17mm_diameter-55mm.stl

18mm (height) 13 files

winder_height-18mm.stl

base_height-18mm_diameter-41mm.stl

base_height-18mm_diameter-45mm.stl

base_height-18mm_diameter-46mm.stl

base_height-18mm_diameter-47mm.stl

base_height-18mm_diameter-48mm.stl

base_height-18mm_diameter-49mm.stl

base_height-18mm_diameter-50mm.stl

base_height-18mm_diameter-51mm.stl

base_height-18mm_diameter-52mm.stl

base_height-18mm_diameter-53mm.stl

base_height-18mm_diameter-54mm.stl

base_height-18mm_diameter-55mm.stl

19mm (height)	13 files
winder_height-19mm.stl	
base_height-19mm_diameter-45mm.stl	
base_height-19mm_diameter-46mm.stl	
base_height-19mm_diameter-47mm.stl	
base_height-19mm_diameter-48mm.stl	
base_height-19mm_diameter-49mm.stl	
base_height-19mm_diameter-50mm.stl	
base_height-19mm_diameter-51mm.stl	
base_height-19mm_diameter-52mm.stl	
base_height-19mm_diameter-53mm.stl	
base_height-19mm_diameter-54mm.stl	

base_height-19mm_diameter-55mm.stl

base_height-19mm_diameter-57mm.stl

20mm (height) 15 files

winder_height-20mm.stl

base_height-20mm_diameter-45mm.stl

base_height-20mm_diameter-46mm.stl

base_height-20mm_diameter-47mm.stl

base_height-20mm_diameter-48mm.stl

base_height-20mm_diameter-49mm.stl

base_height-20mm_diameter-50mm.stl

base_height-20mm_diameter-51mm.stl

base_height-20mm_diameter-52mm.stl

base_height-20mm_diameter-53mm.stl
base_height-20mm_diameter-54mm.stl
base_height-20mm_diameter-55mm.stl
base_height-20mm_diameter-60mm.stl
base_height-20mm_diameter-62mm.stl
base_height-20mm_diameter-64mm.stl

tape_measure_spool_parametric-v5.f3d

Fussion 360 File

Find source .stl files on Thingiverse.com

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