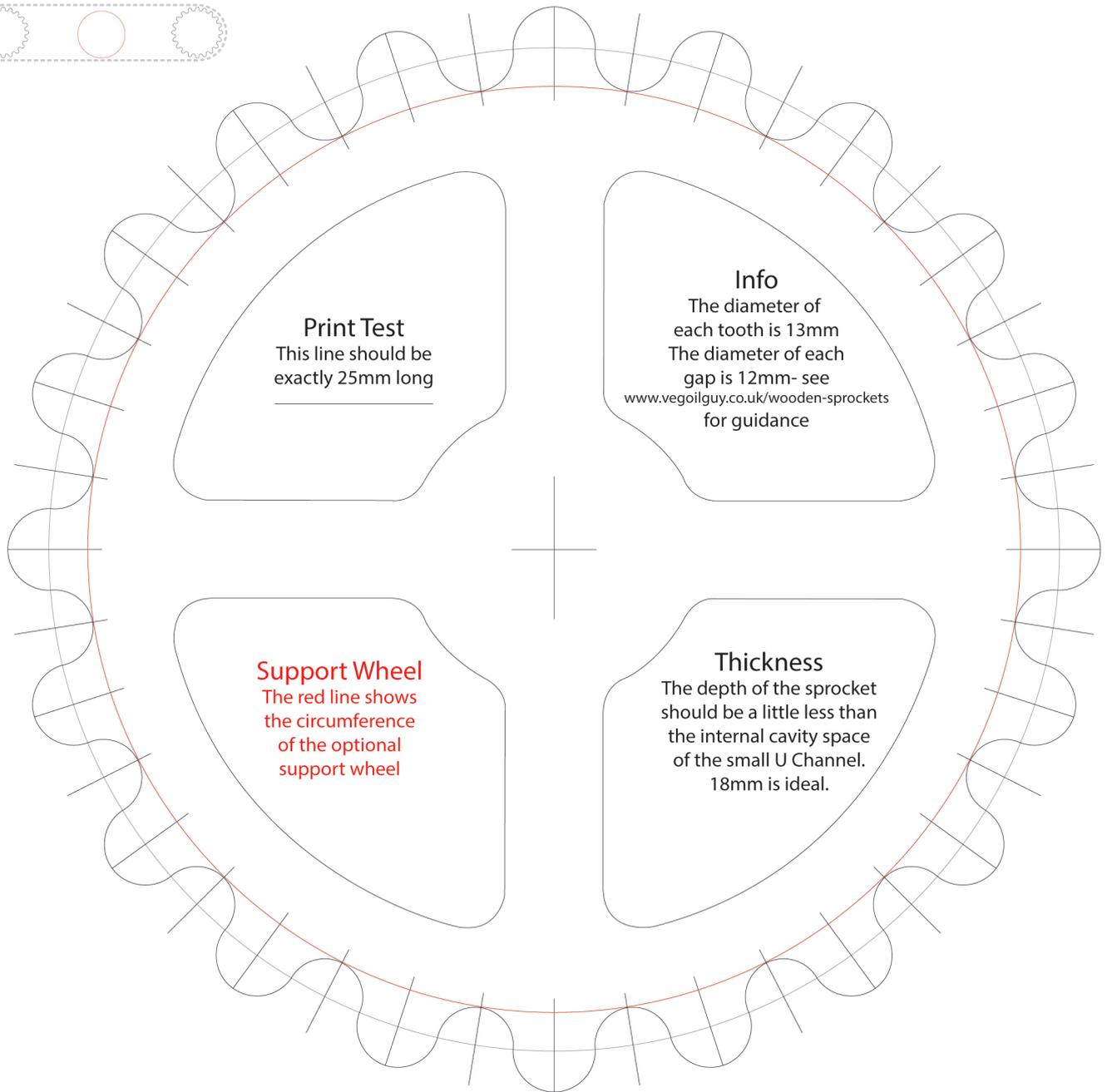


20 TOOTH SPROCKET (METRIC) TEMPLATE By VegOilGuy



Print Test

This line should be exactly 25mm long

Info

The diameter of each tooth is 13mm
The diameter of each gap is 12mm- see www.vegoilguy.co.uk/wooden-sprockets for guidance

Support Wheel

The red line shows the circumference of the optional support wheel

Thickness

The depth of the sprocket should be a little less than the internal cavity space of the small U Channel. 18mm is ideal.

Instructions

1. Print this page and check the Print Test line measurement for print accuracy
2. **Important** - Use a compass and mark on the diameter of your axel at the centre of the sprocket
3. Roughly cut out the sprocket (or support wheel) and secure this with tape to MDF or similar stable material and then make a template for lost foam casting. For assistance see my web page and video at www.vegoilguy.co.uk/wooden-sprockets

Imperial Unit Guys

Sorry guys, I worked mainly in metric in this project and this template is in metric. HOWEVER with you guys in mind I've produced a sprocket template in good old feet and inches. Look out for the Imperial Measurement download on my website.

Important Note:

I drew this sprocket using Adobe Illustrator but originally I used Matthias Wandels' excellent gear program to aid my calculations. If you want to make a sprocket (or gears) with different dimension to mine, I strongly recommend you visit his website and examine this excellent bit of software. You'll also find interesting projects and videos as well. www.woodgears.ca