



Sanding block for belt sander belts



kjs

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Summary

Sanding blocks for 75x533 and 75x457mm sanding belts

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Sanding belts are of much better quality than the usual sanding papers. That's why I have build sanding blocks from wood and purchased a commercial model. Now I wanted more of them to have a block for all grits I usually use. However, I didn't want to spend another 20+€ for a commercial one from Milescraft nor spend the time to build one from plywood again.

The design was straight forward as I had the required dimensions from the previous designs and it took less than 45mins. However, print time is around 20h but with the very good but cheap PLA I use they only cost me around 3.60€ per piece.

The STL files contain designs for 75x533mm and 75x457mm belts but I only build and tested the ones for 75x533mm as these are the only ones I use and have.

Print orientation is as they are shown in the STL-files. Support: rear from bed only, front everywhere and eccenter none. Infill: 10% cubic with double line except for eccenter where I used 40% cubic with double line. The design is for a pretty tight fit. Any residue from the supports has to be scraped/filed off!

Yes, the first part turned out pretty colorful as I ran out of filament. As I want two blocks anyhow I will just print the second one in the correct colors and fit them together so they turn out in uniform color.....

A slightly more detailed project report in German language can be found here: <https://www.die-heimwerker.net/t70f18-Bandschleifkloetze.html#msg19821>

Print Settings

Printer brand:

Anycubic

Printer:

i3 Mega S

Supports:

Yes, see text

Resolution:

0,3mm

Infill:

see text

Filament material:

PLA (PETG or ABS/ASA might be better)

2022-04-04: Someone printed the 457mm Version and confirmed that I got the dimensions right.

Model files



manual-belt-sander-front-533.stl



manual-belt-sander-front-457.stl



manual-belt-sander-rear-533.stl



manual-belt-sander-eccenter.stl



manual-belt-sander-rear-457.stl

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