



eco Schleifstifte Remix - sanding pens



kjs

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Summary

added wider and narrower pens and a larger bracket for all sizes

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Somehow I never got around ordering sanding pens despite the fact that I needed them on a regular basis. Perhaps the sanding paper glued on popsicle sticks worked well enough for the short moment of 20+ years.... But then I stumbled over the design from Jack.

I opted for the version where one has to mark the grit with a pen. This original file is included for convenience. As I also wanted a version for 5mm and 13mm belts I simply cut the original into pieces and stitched them together. For storage I butchered the bracket for 6 pens of each size.

The first pens I printed with 0.1mm resolution and 25% cubic infill with double lines. Print time therefore was ~1/1.5/2:20h. The bracket was printed with 0.3mm resolution and took around 2:25h.

At a cost of 5/7/10 cents per piece with my cheap but good filaments it is worth the print time! For the 13mm version a readily available 13mm (1/2") belt can be used where one would cut off 230mm long pieces.

With the print parameters for the pens I have to play a bit more. Looks like 0.15mm layer height with adaptive layers is yielding good results too and it saves a lot of print time. Almost half of the 0.1mm version.

Shown here are only a few samples of each size but the rest is currently in the printer.

Important: only sanding papers with good quality paper backing can be used as the cheap ones fail at the tip. The best results I have with cloth backed sanding sheets.

This remix is based on



eco Schleifstift compliant

by Jack

Model files



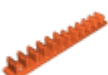
sander5mm.stl



sander8mm.stl



sander13mm.stl



sander68magazin2.stl



sander6813magazin2.stl

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