



Proxxon cutting disk adaptor



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Summary

Custom nuts for mounting 50x1x10 disks (10mm bore diameters) directly on the spindle of mills/drills such as the 230/E.

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I bought the wrong disks of my Proxxon micromot 230/E, so I made this adaptor.

Print the nut twice (with 0.1mm layer height as the spindle thread pitch is 0.75mm) and use two 12mm wrenches (one flat) to tight them. The nuts have a centering cylinder for the 10mm bore which is just under 1mm high, only one one of the two should go in the hole, since the disks are only 1mm thick.

I printed those in PLA and it works great (ABS is more heat resistant but has weaker mechanical strength). The tightening seems to be enough when working with low pressure (as advised for those disks). If the nuts get loose while working, due to the spinning direction, they should move toward the handle, so the disk should not be able to leave the tool. Use at your own risks nevertheless !

Model files



disk_adaptor.scad



disk_adaptor.stl

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