

Application No. 115: Clamping unit for saw blades

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How to adjust saw blades without special tools

I recently bought cheap circular saw blades on the Internet. Unfortunately, I had to enlarge the dimension between the axes on all those blades to serve my purpose.

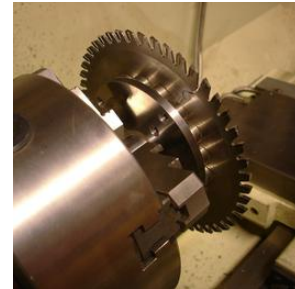
Since wood and metal turning is my hobby, I had the idea to use your super magnets to clamp the saw blades into the turning lathe. This way, I could abstain from making a complicated tool.

Instead of a complicated counterplate, I used a simple round metal disk that normally is used for screwing on wooden objects and then clamping the whole thing into a three-jaw chuck.

On this disk I placed 18 of your ring magnets R-15-06-06-N (www.supermagnete.de/eng/R-15-06-06-N) at regular intervals.

I roughly pre-centred the saw blade that needed turning with the machine and then I advanced it towards the magnets: Snatch! Then I moved the chisel very close to the idle saw blade and administered the fine alignment by eye with a small log.

You cannot set up a very high rotation speed for the turning, but it worked fine!



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