



Dust collection for AEG MF1400KE / Rigid R22002 router



VolkerMueller

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Summary

UPDATE: This design has a bit of an issue ... the dust collector has to draw in air from around the router bit, but...

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UPDATE: This design has a bit of an issue ... the dust collector has to draw in air from around the router bit, but also has to transport away the router motor cooling air, which is blown out at the bottom. So my dust collector was not strong enough to manage that, at least not through the DN40 hose.

So I designed an improved version that separates the dust collection from the cooling air path, which you can find in my designs or via the following link:

<https://www.printables.com/model/134890-improved-dust-collection-for-aeg-mf1400ke-rigid-r2>

When building my router table, I had to modify the dust collection connector on the fixed router base of my AEG MF1400KE router (identical

to Rigid R22002, all made by TTI in China) so the hose comes off at an angle and doesn't interfere with the hole in the router table. This connector just slides into the base and gets held down by the router table insert plate.

The dust collector connection fits a DN40 standard hose and works fine with @MariusHornberger 's clever hose clamp (see my makes).

While being at it, I also designed a cover for the other side of the base that has a hole in it to get to the spindle lock. The cover uses one original screw - and you have to put a countersink screw on the other side if you want to use the height adjustment key through the router base (manufacturer's design flaw).

The cover might also need a bit of filing on the horizontal part if the router catches on there (depends on the casting of your base).

Print Settings

Printer Brand:

Creality

Printer:

Ender 3

Rafts:

No

Supports:

Yes

Resolution:

0,2 mm

Infill:

solid / not required

Filament: any PLA or PETG grey/silver for best camouflage

Category: Parts

Model files



korb_saugseite.stl



korb_knopfseite.stl

[Find source .stl files on Thingiverse.com](#)

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