



## Bosch GWS 12V-76 guard

F Flixtricks

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### Summary

Optimized hand guard for Bosch 12V electric angle grinder

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This is a 3D-Printed Guard for the Bosch GWS 12V angle grinder. It is much more useful with a smaller guard like this so I designed one (never use without the guard - you don't want to get your little hands caught in there..)

**You have to use a very high performing material to get a useful and safe part.** Disclaimer: I printed two of them to stress- test it. I would suggest for you to do the same and after properly printing + annealing the part try destroying it yourself :)

**Pro-tip:** Use metal cutting discs with carbide or diamond grain - they will not shatter.

Preferably use **PA6-CF** but most importantly from a reputable Brand (3dxtch, Essentium, Spectrum, AddNorth, Polymaker, Prusament etc.)

If you have no enclosure for your printer, try PET-CF. Same principles apply



0.6mm nozzle

max. volumetric Speed ~ 5mm<sup>3</sup>/s

Nozzle cranked to the **max.** eg 300°C (look at the TDS from Manufacturer)

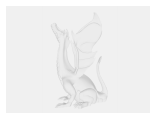
Bed ~80-110°C

**No cooling and no Fans active!!**

Let the chamber heat up to 50°C before starting, if you have an enclosed Printer that is.

After printing let the part cool down a bit, remove and **anneal in 70°C water** for 15min (not longer). Afterwards let dry overnight.

## Model files



**bosch\_gws\_12v\_guard.step**



**bosch\_gws\_12v\_guard.stl**

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