



## Printable Bed Scraper With Replacable Blades



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### Summary

A cheap, easily printable bed scraper with changeable to avoid damaging your glass or PEI bed.

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I recently changed all my printers from coated glass to double sided PEI, PEO, PET, PEY (ect.); as I was sick of the coatings wearing off, causing it to loose adhesion. Prints flex off the spring steel beds with ease however brims and skirts can be a little stubborn at times and I'd prefer to avoid touching the bed as I'd prefer to avoid cleaning it between every print. For obvious reasons using the metal scraper I have is a bad idea on beds such as PEI.

There I arrived at a problem, there are many printable scrapers available to be printed but only a few have interchangeable blades and use a "clip" to fit them to the handle. I wanted something that looks a little more elegant and with a more secure, long term solution to mounting.

And so a half hour of CAD and I arrived at this solution.

## Hardware:

- 2 x Counter sink M3 bolts 8-16mm
- 2x M3 insert maximum of 6mm height. Recommended OD of 5mm but you should be able to get away with 5.5 OD also

## Print Settings:

It doesn't really matter it's just a case of how long you want it to last, how “solid” you want it to feel and what you can print with. Bellow are just my recommended settings

- Material - ABS
- Infill - 100%
- Supports - No
- Brim - No

The blades only take about 8g of filament on 100% infill so they're a great way to use up your old filament

## Model files

**handle.stl**



**blade.stl**



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