

BMC A series Cam bearing insertion/removal tool

 **Phil Gardiner**

[VIEW IN BROWSER](#)

updated 9. 7. 2023 | published 9. 7. 2023

Summary

I wanted to make this tool to change cam bearings in an A series engine. It just had to survive one extract and insert.



9.51 hrs



1 pcs



0.30 mm



0.40 mm



PET



250 g



Prusa
MK3/S/S+

[Hobby & Makers](#) > [Automotive](#)

The original design is based on a drawing presented on the MGA guru website. It is suggested that this too be made from a soft aluminum and as I don't have a lathe I wondered if a tool set made from PETG would do just as well.

To get a good fit I ran a few samples of 5mm thickness and adjusted the model to make sure I had a good fit into both the bearings and the bore in the block. The models here produced perfect results for me on my printer.

Model files



cam-bearing-tool-a-guide.stl



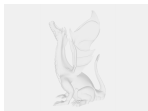
cam-bearing-tool-a-guide.sldprt



cam-bearing-tool-a1.stl



cam-bearing-tool-complete.3mf



cam-bearing-tool-b-guide.sldprt



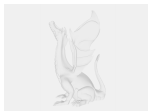
cam-bearing-tool-b-guide.stl



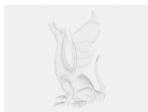
cam-bearing-tool-b.stl



cam-bearing-tool-a.sldprt



cam-bearing-tool-c-guide.sldprt



cam-bearing-tool-c.sldprt



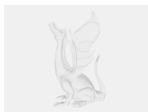
cam-bearing-tool-a1.sldprt



cam-bearing-tool-c.stl



cam-bearing-tool-c-guide.stl



cam-bearing-tool-b.sldprt



cam-bearing-tool-complete.3mf

Print files



cam-bearing-tool-complete_03mm_petg_mk3s_9h31m.gcode

🌀 PET 📏 0.40 mm 📏 0.30 mm ⌚ 9.51 hrs ⚖️ 250 g 🖨️ Prusa MK3/S/S+

License ©

This work is licensed under a
[Creative Commons \(4.0 International License\)](#)



Attribution-ShareAlike

- ✗ | Sharing without ATTRIBUTION
- ✓ | Remix Culture allowed

- ✓ | Commercial Use
- ✓ | Free Cultural Works
- ✓ | Meets Open Definition