



Maxxeshop3D
product sheet

Ball bearing disassembly / assembly tool

Fast-print fixture for 22 mm bearing service

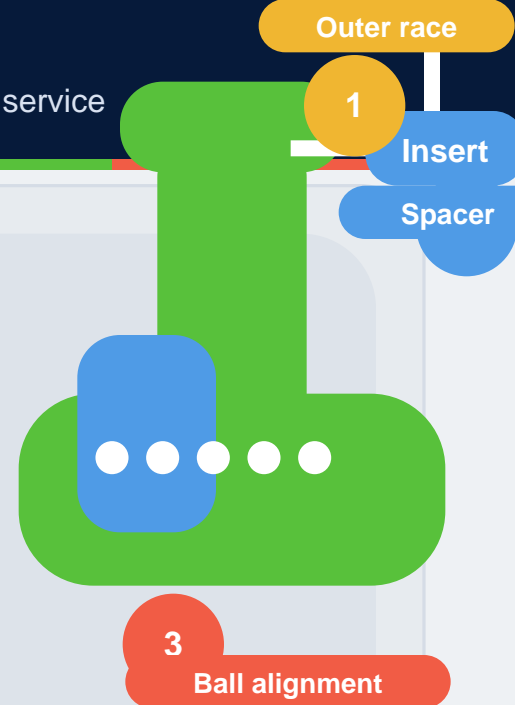
PRODUCT OVERVIEW

A quick, low-filament tool for bearing service

Designed to simplify the removal and reinstallation of balls in 22 mm bearings. The fixture supports the center race, gives the outer race a little movement, and includes a spacer that helps position the balls at the correct height.

22 mm fit

Fast print



Key details

BEARING SIZE
22 mm
target

PRINT TIME
about 20
min

FILAMENT USE
0.99 m

FILES
.stl + .3mf

HIGHLIGHTS

- Holds the center bearing piece securely while leaving wiggle room on the outer piece to help add or remove balls.
- Includes a correctly spaced insert that helps place the balls into the grooves of both the inner and outer bearing pieces.
- The flat handle area is suitable for customization or light utility changes in the included 3mf file.



Maxxeshop3D Files and usage notes

product sheet

Maxxeshop3D edition

INCLUDED FILES

Ready-made print files

bearingtool.stl

bearingtool.3mf

The 3mf file keeps the editable layout available for handle customization or small functional tweaks.

USE AND FIT

Suggested use

- Use the fixture with 22 mm ball bearings.
- Seat the center piece firmly in the tool while allowing slight movement in the outer ring.
- Use the spacer to keep the balls at the height needed to drop into both grooves.
- Assembly and disassembly are intended to be quick, with minimal fuss.

ATTRIBUTION AND LICENSE

Source credits

Designer: PCDC

License

Creative Commons 4.0 -
Attribution-NonCommercial
Sharing without attribution: No
Remix culture allowed: Yes
Commercial use: No

What the tool does

Supports faster bearing ball removal and reinstallation with a centered hold, controlled outer-ring movement, and a dedicated spacing aid.

Quick workflow

- 1 Place the bearing parts in the fixture so the center piece is held securely.
- 2 Use the spacer to align the balls to the groove height needed for installation or removal.
- 3 Complete the assembly or disassembly and repeat as needed.