

3D MODEL ONLY



hikari 103 - Nerf Blaster BCAR with quick release

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Summary

High performance Nerf BCAR with quick release

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Tags: [blaster](#) [nerf](#) [quickrelease](#) [muzzle](#) [lynx](#) [bcar](#)

Explore the "hikari 103" - a high-performance 3D printed BCAR (Barrel Contact Accuracy Rig) model easy to print. This innovative design has 3 rows of bearings, set at progressive angles from 8 degrees, 16 degrees, right up to 32 degrees in the final stage. This layout places your darts in a perfect drill for optimal accuracy.

Adding to its functionality, the "hikari 103" includes a convenient quick release feature, allowing you to easily mount and unmount the BCAR during or prior to matches. This versatility allows for the use of the same BCAR on different blasters, streamlining your game experience.

For enthusiasts seeking a lighter version, we also provides the slim and lightweight version of the "hikari 103 slim" that features the same high performing BCAR core but without the outer thread.

The BCAR also accounts for minimised friction by having a deadzone and optimally distanced bearings. The model offers adjustable settings for

player-specific customizations. Our support can be contacted for special setting requirements.

"hikari 103" settings

- Barrel outer diameter: 15mm and 16mm available
- Bearing angles: 8deg - 16deg - 32deg
- Bearing grip zone: 0.75mm

BOM

- 1x M4x25 thumb screw
- 1x M4x16 barrel nut

For the F694ZZ Version:

- 9x F694zz bearings
- 9x M4x16 hex socket screws

For the F683ZZ Version:


- 9x F683zz bearings
- 9x M3x16 hex socket screws

Printing Settings

- 4 Walls
- 5 Bottom/Top layers
- 15% Infill
- Support only needed for Core (set to "from Printbed only")

To support me, you can also the "hikari" at my [Etsy Shop](#).

Model files

 **F694ZZ** 2 files

hikari-103-15mm-f694zz.step

hikari-103-16mm-f694zz.step



F683ZZ

2 files

hikari-103-15mm-f683zz.step

hikari-103-16mm-f683zz.step



Shrouts

5 files

shrout-113s-hikari-113s.step

shrout-123s-hikari-123s.step

shrout-133s-hikari-133s.step

shrout-143s-hikari-143s.step

shrout-153s-hikari-153s.step

clamp-ring-15mm.step

clamp-lever-15mm.step

clamp-lever-16mm.step

clamp-ring-16mm.step

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