

Aristocrat -- Arm mounted Nerf crossbow



Octocat

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Summary

It's a 3D printed Nerf crossbow that sits on your arm and uses 3mm paracord to fire when you flick your wrist.

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Tags: [nerf](#) [nerfgun](#) [nerfhomemade](#)

Aristocrat V2 is out! MASSIVE improvement over the V1 in every way. I'm trying to sell the files on Etsy for \$2. You can find that here:
<https://www.etsy.com/shop/OctocatsArtifacts>

This is the Aristocrat. It's an arm mounted Nerf crossbow that uses 3mm paracord to fire when you flick your wrist down. It takes any ammo type, and I had a ton of fun with its design. It's a crazy mash-up of the Slingers from Monster Hunter: World with a slight Hidden Blade aesthetic from Assassin's Creed.

Special print settings:

I print all Nerf stuff with 20% Gyroid infill with 5 walls, just to make sure it's all more durable than it might need to be. That's mostly personal preference, though. You can likely get away with much less with this print. Here is an assembly tutorial I put together:

To assemble, you will need:

- One of every part, and an additional Bow Arm and Bow Arm Pin
- 3mm diameter paracord
- Velcro straps or some other means to strap it to your arm
- String or ribbon etc.
- Scissors

In addition, you may like to have:

- A lighter
- A small hammer-like item for firm tapping
- Tweezers or forceps for tying knots easier
- Sandpaper or a file
- A scrap of filament about as long as your hand

NOTE: I like to call this thing the Aristocrat because, like an actual aristocrat, it seems cool but is functionally worse than anything like it. That being said, it's still SUPER cool and I would absolutely use this.

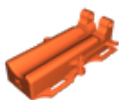
Model files



retaining-arm.stl



release-bar.stl



main-body.stl



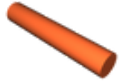
release.stl



bow-arm-locking-pin.stl



bow-arm.stl



retaining-arm-hinge-pin.stl



trigger-ring.stl

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