



Diesel Injection Pump Plunger and Barrel

F FlipFlap

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updated 26. 3. 2022 | published 26. 3. 2022

Summary

This is a model of a Plunger and Barrel of an inline diesel injection Pump.

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This is a shortened Barrel and Plunger for an inline Diesel injection Pump. The Barrel is stationary and the Plunger can be rotated to adjust the injected amount of fuel.

This is - of course - non functional. The dimensions are copied off of an actual Barrel and Plunger ... except for the tolerances. If you print it in 100% size, the play will be 0.1mm which is too tight for most printers. I would recommend printing it at 200% to make the play 0.2mm and use two different colors to indicate the moving and stationary part.

Enjoy.

Of course there are Plungers with two cammed edges to control the injection timing, but this is the most common style of Plunger.

Model files



plungerstumpf.3mf



zylinder.3mf

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