



Drill gear pump



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Summary

gear pump with gardena connection to pump water

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I design the model in FreeCAD. It was tried pumping water but oil should work too. The pump needs to be primed.

Material used

- Gaskets are printed in TPU
- Gears are printed in PETG
- Casing and Lid printed in PLA

You need

- 4x 608 Ball bearings (d=8mm D=22mm width=7mm)
- 16 Threaded insert M3
- 16 M3x12mm
- 2x 8mm Shaft min. length 60mm
- some sort of lubricant (Silicon Spray, grease)

Short Video

Model files

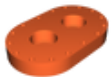


STL

7 files



casing.stl



lid.stl



gear.stl



gear2.stl



shaft-seal.stl



gardena-gasket.stl



gasket.stl



STEP

7 files



shaft-seal.step



gardena_gasket.step



gasket.step



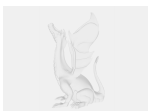
casing.step



lid.step



gear.step



gear2.step



FreeCAD

7 files



gardena_gasket.fcstd



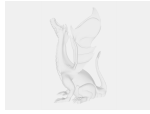
gasket.fcstd



shaft-seal.fcstd



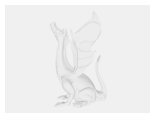
gear2.fcstd



casing.fcstd



lid.fcstd



gear.fcstd

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