



## Water gun

extruder **extrudr.com**

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### Summary

have fun with the water gun

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This water gun consists of 3 parts. The piston and the cylinder must be printed with a rigid material (PCTG/PETG) and need to be printed in place because these are interlocking.

The sealing should be printed beforehand out of a flexible material (TPU Medium, TPU Semisoft). We got the best result by scaling up the seal 1%. If the seal is too big the resistance to insert the sealing is too high and if the seal is too small the water gun isn't working properly.

After the seal is printed, the rest must be printed, but you have to add a pause at a z-height of 152.4mm or Layer number 762 if you print all layers with 0.2mm layer height.

When the print is paused insert the lubricated seal carefully and resume the print. After the print is finished try to unlock the piston.

If the seal isn't tight enough submerge the gun totally under water for reloading. Have fun with printing and playing in the pool.

## Model files



handle\_r06\_vsealing.3mf



c\_sealing.3mf



body\_r06\_vsealing.3mf

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