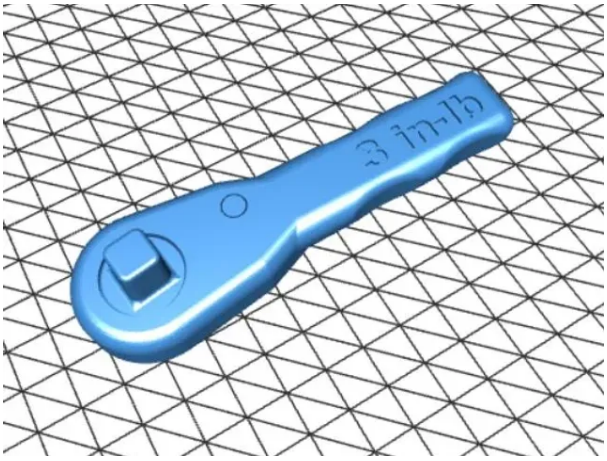


NASA Wrench

ChoiceCityMoto

VIEW IN BROWSER

updated 7. 8. 2026 | published 7. 2. 2022

Summary

Wrench made in space.

1.85 hrs	2 pcs	0.30 mm	0.40 mm	PET	33 g	Prusa MK3/S/S+

Hobby & Makers > Tools

This isn't the first 3D-printed object made in space, but it is the first created to meet the needs of an astronaut. When International Space Station Commander Barry Wilmore needed a wrench, NASA knew just what to do. They "e-mailed" him one. This is the first time an object has been designed on Earth and then transmitted to space for manufacture.

The model was made available from NASA here.

Model files



uplink.stl



uplinkmod.3mf

Print files



uplink_03mm_petg_mk3s_1h51m.gcode

PET 0.40 mm 0.30 mm 1.85 hrs 33 g Prusa MK3/S/S+

sliced original file from NASA



uplinkmod_03mm_petg_mk3s_1h51m.gcode

PET 0.40 mm 0.30 mm 1.85 hrs 33 g Prusa MK3/S/S+

slightly modified to help small ratcheting part stick to the bed

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