



NASA Wrench

 ChoiceCityMoto

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Summary

Wrench made in space.



1.85 hrs



2 pcs



0.30 mm



0.40 mm



PET



33 g



Prusa
MK3/S/S+

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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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