XL printable parts

Prusa Research

updated 22. 1. 2025 | published 22. 1. 2025

Summary

Original Prusa XL printable parts

3D Printers > Other Printer Parts & Upgrades

All printable parts for your Original Prusa XL. The parts are divided into folders based on subassemblies.

Print instructions

- ATTENTION: Two materials (PETG and Polycarbonate) are recommended for the printable parts. Read the following list carefully.
- Download the latest PrusaSlicer
- For **0.6 nozzle**
  - Parts from **PC Blend Carbon Fiber**
    - print settings**: 0.25mm QUALITY, 4 perimeters, 30% Grid infill
    - list of parts:
      - x-carriage
      - y-carriage-left-base
      - y-carriage-left-top
      - y-carriage-right-top
      - y-carriage-right-base
      - entry-fs-insert
      - fan-shroud
      - dock-cable-router-parking-plate-cap

- dock-cable-router-parking-plate-support
  - Parts from **PETG**
    - print settings**: 0.25mm QUALITY, 15% Grid infill
    - list of parts:
      - all the parts except the ones mentioned above
- For **0.4 nozzle**
  - Parts from **PC Blend Carbon Fiber**
    - print settings**: 0.20mm STRUCTURAL, 4 perimeters, 30% Grid infill
    - list of parts:
      - x-carriage
      - y-carriage-left-base
      - y-carriage-left-top
      - y-carriage-right-top
      - y-carriage-right-base
      - entry-fs-insert
      - fan-shroud
      - dock-cable-router-parking-plate-cap
      - dock-cable-router-parking-plate-support
  - Parts from **PETG**
    - print settings**: 0.20mm STRUCTURAL, 15% Grid infill
    - list of parts:
      - all the parts except the ones mentioned above

** Note that print settings are recommended, but you can experiment with your own.

Model files

📁 **Frame Bottom**	6 files

frame-rear-cover.stl

🗒 Print 2 pcs | IS ready

frame-rear-cover.stp

🗒 STEP

frame-front-cover.stl

🗎 Print 2 pcs | IS ready

frame-front-cover.stp

🗎 STEP

frame-rear-cover-insert.stl

🗎 Print 2 pcs | IS ready

frame-rear-cover-insert.stp

🗎 STEP

📁 **Core XY**   37 files

belt-clamp.stl

🗎 Print 2 pcs | IS ready | Material: PCCF

belt-clamp.stp

🗎 STEP

corexy-tensioner.stl

🗎 Print 2 pcs | IS ready

corexy-tensioner-r3.stl

🗎 Print 2 pcs | IS ready, Compatible with the new O-rings: https://prusa.io/ring

corexy-tensioner.stp

🗎 STEP

corexy-front-right.stl
🗋 Print 1 pc | IS ready

---

corexy-front-right.stp
🗋 STEP

---

corexy-front-left.stl
🗋 Print 1 pc | IS ready

---

corexy-front-left.stp
🗋 STEP

---

corexy-back-right-top.stl
🗋 Print 1 pc | IS ready

---

corexy-back-right-top-r6.stl
🗋 Print 1 pc | Material: PCCF | IS ready, Compatible with the new O-rings: https://prusa.io/ring

---

corexy-back-right-top.stp
🗋 STEP

---

corexy-back-left-top.stl
🗋 Print 1 pc | IS ready

---

corexy-back-left-top-r5.stl
🗋 Print 1 pc | Material: PCCF | IS ready, Compatible with the new O-rings: https://prusa.io/ring

---

corexy-back-left-top.stp
🗋 STEP

corexy-back-left.stl

Print 1 pc | IS ready

corexy-back-left-r4.stl

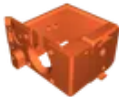Print 1 pc | Material: PCCF | IS ready, Compatible with the new O-rings: https://prusa.io/ring
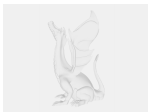
corexy-back-left.stp

STEP
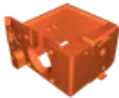
corexy-back-right.stl

Print 1 pc | IS ready

corexy-back-right-r5.stl

Print 1 pc | Material: PCCF | IS ready, Compatible with the new O-rings: https://prusa.io/ring

corexy-back-right.stp

STEP

x-carriage-cover.stl

Print 1 pc | IS ready

x-carriage-cover.stp

STEP

x-carriage.stl

Print 1 pc | Material: PCCF| IS ready

x-carriage.stp

STEP

y-carriage-left-base.stl

Print 1 pc | Material: PCCF | IS ready

y-carriage-left-base-r6.stl

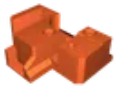Print 1 pc | Material: PCCF | IS ready, Compatible with the new O-rings: https://prusa.io/ring

y-carriage-left-base.stp

STEP

y-carriage-left-top.stl

Print 1 pc | Material: PCCF | IS ready

y-carriage-left-top-f3.stl

Print 1 pc | Material: PCCF | IS ready, Compatible with the new O-rings: https://prusa.io/ring

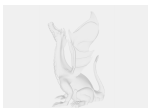### y-carriage-left-top.stp

STEP

y-carriage-right-top.stl

Print 1 pc | Material: PCCF | IS ready

y-carriage-right-top-r6.stl

Print 1 pc | Material: PCCF | IS ready, Compatible with the new O-rings: https://prusa.io/ring

y-carriage-right-top.stp

STEP

y-carriage-right-base.stl

Print 1 pc | Material: PCCF | IS ready

y-carriage-right-base-r6.stl

Print 1 pc | Material: PCCF | IS ready, Compatible with the new O-rings: https://prusa.io/ring

y-carriage-right-base.stp

STEP

Z-Axis
4 files

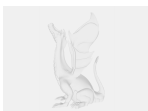### z-motor-cable-bottom-cover.stl

Print 2 pcs | IS ready

z-motor-cable-bottom-cover.stp

STEP

z-axis-bearing-housing.stl

Print 2 pcs | IS ready

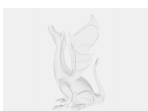### z-axis-bearing-housing.stp

STEP

Nextruder
35 files

cable-clip-click.stl

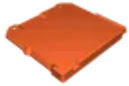Print 5 pcs | IS ready

cable-clip-click.stp

STEP

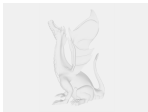**dock-cable-router_single_tool_adapter.stl**

Print 1 pc | IS ready

dock-cable-router_single_tool_adapter.stp

STEP

dwarf-cover-back.stl

Print 1 pc | IS ready

dwarf-cover-back.stp

STEP

dwarf-cover-door.stl

Print 1 pc | IS ready

dwarf-cover-door.stp

STEP

dwarf-cover-connector.stl

Print 1 pc | IS ready

dwarf-cover-connector.stp

STEP

dock-cable-router.stl

Print 1 pc | Version A

dock-cable-router.stl

Print 1 pc | IS ready | Version B

dock-cable-router_r.stp

STEP | Version B

extruder-front-case.stl

Print 1 pc | 4 holes

extruder-front-case.stl

Print 1 pc | IS ready | 3 holes

extruder-front-case.stp

STEP | 3 holes

extruder-main-plate-xl.stl

Print 1 pc | IS ready

extruder-main-plate-xl.stp

STEP

extruder-spacer.stl

Print 1 pc

fan-cover.stl

Print 1 pc | IS ready

fan-cover.stp

STEP

fan-shroud.stl

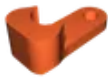Print 1 pc | IS ready | Material: PCCF

fan-shroud.stp
STEP

idler-nut.stl
Print 1 pc | IS ready | Material: PCCF

idler-nut.stp
STEP

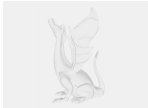### idler-swivel.stl
Print 2 pcs | Material: PCCF

idler-swivel.stp
STEP

idler-lever-a.stl
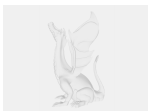Print 1 pc | IS ready | Material: PCCF

idler-lever-a.stp
STEP

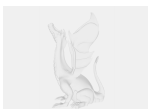### idler-lever-b.stl
Print 1 pc | IS ready | Material: PCCF
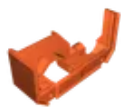
idler-lever-b.stp
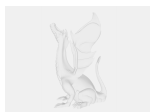STEP

sandwitch-board-support.stl
Print 1 pc | IS ready

sandwitch-board-support.stp
STEP

dwarf-cover-base.stl

📄 Print 1 pc | IS ready

dwarf-cover-base.stp

📄 STEP

📂 Tool Changer

11 files

dock-cable-router-parking-plate-support.stl

📄 Print 1 pc for every dock | Dock Version A | Material: PCCF

dock-cable-router-parking-plate-cap.stl

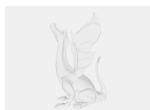📄 Print 1 pc for every dock | Dock Version A | Material: PCCF

dock-cable-router-parking-plate-support.stl

📄 Print 1 pc for every dock | IS ready | Dock Version B | Material: PCCF

dock-cable-router-parking-plate-support.stl

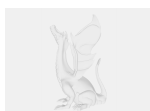📄 Print 1 pc for every dock | IS ready | Nozzle seal band | Material: PCCF

dock-cable-router-parking-plate-support.stp

📄 STEP | Dock Version B

dock-cable-router-parking-plate-cap.stl

📄 Print 1 pc for every dock | IS ready | Dock Version B | Material: PCCF

dock-cable-router-parking-plate-cap.stp

📄 STEP | Dock Version B

parking-tool-finger-guide.stl

Print 1 pc for every dock | IS ready

parking-tool-finger-guide.stp

STEP

tc-hotend-fan-shield.stl

Print 1 pc for every dock | IS ready

tc-hotend-fan-shield.stp

STEP

📂 Heatbed   12 files

bed-energy-chain-mount-clip.stl

Print 1 pc

bed-controller-mount-front.stl

Print 1 pc | IS ready

bed-controller-mount-front.stp

STEP

bed-controller-mount-rear.stl

Print 1 pc | without Modular Bed PCB Shield

bed-controller-mount-rear.stl

Print 1 pc | IS ready | with Modular Bed PCB Shield

bed-controller-mount-rear.stp
📄 STEP | with Modular Bed PCB Shield

bed-energy-chain-mount.stl
📄 bed-energy-chain-mount

bed-energy-chain-mount.stp
📄 STEP

bed-controller-case.stl
📄 Print 1 pc

bed-controller-case.stp
📄 STEP

frame-energy-chain-mount.stl
📄 Print 1 pc | IS ready

frame-energy-chain-mount.stp
📄 STEP

📁 Frame Rear   26 files

electronics-case-ejector.stl
📄 Print 4 pcs | IS ready

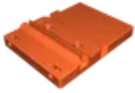### electronics-case-ejector.stp
📄 STEP

electronics-case-holder.stl

Print 2 pcs | IS ready

electronics-case-holder.stp

STEP

electronics-case-rail-l.stl

Print 1 pc | IS ready

electronics-case-rail-l.stp

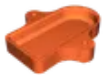STEP

electronics-case-rail-r.stl

Print 1 pc | IS ready

electronics-case-rail-r.stp

STEP

ethernet-cover.stl

Print 1 pc

ethernet-cover.stp

STEP

mounting-insert-spacer.stl

Print 1 pc

mounting-insert-spacer.stp

STEP

psu-cable-cover.stl

Print 2 pcs for each PSU | IS ready

psu-cable-cover.stp

STEP

rear-cable-management-plug.stl

Print 1 pc | IS ready

rear-cable-management-plug.stp

STEP

psu-upper-cover-mount.stl

Print 1 pc for each PSU | IS ready

psu-upper-cover-mount.stp

STEP

psu-cover.stl

Print 1 pc for each PSU | IS ready

psu-cover.stp

STEP

switch-cover.stl

Print 1 pc for each PSU | IS ready

switch-cover.stp

STEP

cable-cover-cap-l-left.stl

Print 1 pc | IS ready
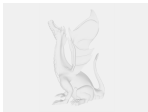
cable-cover-cap-l-left.stp

STEP

cable-cover-cap-l-right.stl

Print 1 pc | IS ready

cable-cover-cap-l-right.stp

STEP

LCD   12 files

knob.stl

Print 1 pc | IS ready

knob.stp

STEP

xlcd-cable-bottom-cover.stl

Print 1 pc | IS ready

xlcd-cable-bottom-cover.stp

STEP

xlcd-support-left.stl

Print 1 pc | IS ready
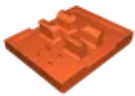
xlcd-support-left.stp
STEP

xlcd-support-right.stl
Print 1 pc | IS ready

xlcd-support-right.stp
STEP

xlcd-cable-bottom-holder.stl
Print 1 pc | IS ready

xlcd-cable-bottom-holder.stp
STEP

xlcd-cover.stl
Print 1 pc | IS ready

xlcd-cover.stp
STEP

Filament Sensor
4 files

entry-fs-insert.stl
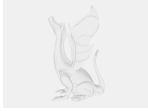Print 1 pc | Material: PCCF | IS ready

entry-fs-insert.stp
STEP

entry-fs-case.stl

Print 1 pc | IS ready

entry-fs-case.stp

STEP

Spool Holder — 6 files

telescopic-spoolholder-base.stl

Print 1 pc for each Tool

telescopic-spoolholder-base.stp

STEP

telescopic-spoolholder-mount.stl

Print 1 pc for each Tool

telescopic-spoolholder-mount.stp

STEP

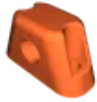**telescopic-spoolholder-slider.stl**

Print 1 pc for each Tool

telescopic-spoolholder-slider.stp

STEP

Wi-Fi Holders — 4 files

wifi-antenna-holder.stl

Print 1 pc | Wi-Fi antenna on the side

wifi-antenna-holder-r3.stl

Print 1 pc | this part replaces rear-cable-management-plug

wifi-antenna-holder-r4.stl

Print 1 pc | this part replaces rear-cable-management-plug

wifi_antenna_holder.stp

STEP

📁 **Others**   10 files

cover-clip.stl

Print 20 pcs | IS ready

cover-clip.stp

STEP

extrusion-cover.stl

Print 2 pcs

extrusion-cover.stp

STEP

torque-indicator.stl

torque-indicator.stp

allen-key-handle.stl

allen-key-handle.stp

calibration-pin-key.stl

⬜ Print 1 pc | Multi-Tool

calibration-pin-key.stp

⬜ STEP

📂 **Parts for maintenance**   5 files
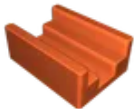
tc_greaser.stl

⬜ Print 1 pc

z_thread_greaser.stl

⬜ Print 1 pc

alignment-tool.stl

⬜ Print 1 pc

pg-assembly-adapter.stl

⬜ Printable only on XL & MK4 due tolerances | Print 1 pc

dwarf-cover-connector-jig.stl

🗋 For replacing the main cable connector cover | Print 1 pc

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