



## XL printable parts



Prusa Research

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## Summary

Original Prusa XL printable parts

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[3D Printers](#) > [Other Printer Parts & Upgrades](#)

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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


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**frame-rear-cover.stl**

☐ Print 2 pcs | IS ready

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**frame-rear-cover.stp**

☐ STEP

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### 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

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### **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

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### **corexy-back-left-r4.stl**

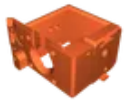
☐ Print 1 pc | Material: PCCF | IS ready, Compatible with the new O-rings: <https://prusa.io/ring>

---

### **corexy-back-left.stp**

☐ STEP

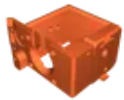
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### **corexy-back-right.stl**

☐ 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

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### **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>

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### **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

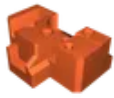
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### **y-carriage-right-base.stl**

☐ 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

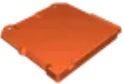


**dock-cable-router\_single\_tool\_adapter.stl**

 Print 1 pc | IS ready

**dock-cable-router\_single\_tool\_adapter.stp**

 STEP

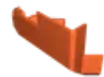


**dwarf-cover-back.stl**

 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**

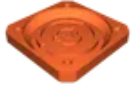
 STEP | Version B





### **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

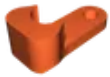


### idler-nut.stl

☐ 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



### sandwich-board-support.stl

☐ Print 1 pc | IS ready

### sandwich-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

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### 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

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### electronics-case-ejector.stp

📄 STEP



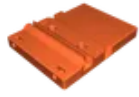
### electronics-case-holder.stl

📄 Print 2 pcs | IS ready

## electronics-case-holder.stp

 STEP

---



## electronics-case-rail-l.stl

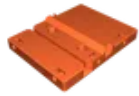
 Print 1 pc | IS ready

---


## electronics-case-rail-l.stp

 STEP

---



## electronics-case-rail-r.stl

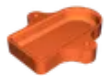
 Print 1 pc | IS ready

---


## 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



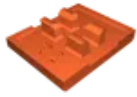
### **xlcd-support-right.stl**

 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

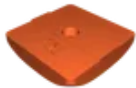


### telescopic-spoolholder-base.stl

☐ 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

4 files



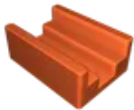
#### tc\_greaser.stl

📄 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

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