

Star Wars Frigate



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[VIEW IN BROWSER](#)

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Summary

Star Wars Frigate inspired by the High Republic Longbeam



52.51 hrs



18 pcs



0.20 mm
0.15 mm
0.10 mm



0.40 mm



PLA



414 g



Prusa MINI /
MINI+

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Tags: [starwars](#) [star](#) [wars](#) [frigate](#)

This is my own design. It is heavily inspired by the [High Republic Longbeam](#), with elements from sailing frigates (i.e. fore-, main- and mizzenmast, cannons, bowsprit).

I imagine this ship to be about twice as long as a Longbeam. Assuming the Longbeam to be 50m long, this ship would be 117m long, 56m wide and 18m tall.

This ship carries 16 cannons and 20 thrusters. The thrusters on the wings are rotated 5° up or down so that they don't fry the wings behind them.

The model comes in 1:270, 1:1000 and 1:2000 scale.

At 1:270 scale, the thrusters on the wings and the turrets are moveable. The landing gear can also be extended or retracted depending on which way around it is inserted.

scale	length	width	height
1:270	435mm	207mm	68mm
1:1000	117mm	56mm	18mm
1:2000	59mm	28mm	9mm

Print Instructions

1:270

Everything can be printed at 0.2mm layer height and requires support on buildplate.

Part	Copies
frigate_bow	1
frigate_middle	1
frigate_stern	1
frigate_wing_outer	4
frigate_wing_inner	4
frigate_stern_wing	2
frigate_engine	8
frigate_stern_engine	2
frigate_bow_landing_gear	1
frigate_stern_landing_gear	1
frigate_turret	16

1:1000

Printed at 0.15mm layer height. Requires support on buildplate. 2 layer raft recommended.

1:2000

Printed at 0.1mm layer height. Requires support on buildplate. 2 layer raft recommended.

If you want to support me, you can do so via this link: <https://ko-fi.com/printingdaniel#>

Model files



1_270

11 files



frigate_bow.stl



frigate_middle.stl



frigate_stern.stl



frigate_wing_outer.stl

☐ 4 copies



frigate_wing_middle.stl

☐ 4 copies



frigate_stern_wing.stl

☐ 2 copies



frigate_engine.stl

☐ 8 copies



frigate_stern_engine.stl

☐ 2 copies



frigate_bow_landing_gear.stl



frigate_stern_landing_gear.stl



frigate_turret.stl

16 copies



frigate_1_2000.stl



frigate_1_1000.stl

Print files



1_270 Prusa MK3S+

7 files



frigate_bow_02mm_pla_mk3s_7h27m.gcode

PLA 0.40 mm 0.20 mm 7.45 hrs 58 g Prusa MK3/S/S+



frigate_middle_02mm_pla_mk3s_9h38m.gcode

PLA 0.40 mm 0.20 mm 9.63 hrs 90 g Prusa MK3/S/S+



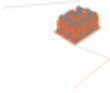
frigate_stern_02mm_pla_mk3s_9h25m.gcode

🌀 PLA 📏 0.40 mm 📐 0.20 mm ⌚ 9.42 hrs ⚖️ 87 g 📄 Prusa MK3/S/S+



frigate_wings_02mm_pla_mk3s_8h46m.gcode

🌀 PLA 📏 0.40 mm 📐 0.20 mm ⌚ 8.77 hrs ⚖️ 74 g 📄 Prusa MK3/S/S+



frigate_engines_02mm_pla_mk3s_6h15m.gcode

🌀 PLA 📏 0.40 mm 📐 0.20 mm ⌚ 6.25 hrs ⚖️ 49 g 📄 Prusa MK3/S/S+



frigate_landing_gear_02mm_pla_mk3s_1h29m.gcode

🌀 PLA 📏 0.40 mm 📐 0.20 mm ⌚ 1.48 hrs ⚖️ 11 g 📄 Prusa MK3/S/S+



frigate_turret_02mm_pla_mk3s_2h39m.gcode

🌀 PLA 📏 0.40 mm 📐 0.20 mm ⌚ 2.65 hrs ⚖️ 15 g 📄 Prusa MK3/S/S+



1_270 Prusa Mini+

7 files



frigate_bow_02mm_pla_mini_7h7m.gcode

🌀 PLA 📏 0.40 mm 📐 0.20 mm ⌚ 7.11 hrs ⚖️ 58 g 📄 Prusa MINI / MINI+



frigate_middle_02mm_pla_mini_9h18m.gcode

🌀 PLA 📏 0.40 mm 📐 0.20 mm ⌚ 9.30 hrs ⚖️ 90 g 📄 Prusa MINI / MINI+



frigate_stern_02mm_pla_mini_9h5m.gcode

🌀 PLA 📏 0.40 mm 📐 0.20 mm ⌚ 9.08 hrs ⚖️ 87 g 📄 Prusa MINI / MINI+



frigate_wings_02mm_pla_mini_8h33m.gcode

🌀 PLA 📏 0.40 mm 📐 0.20 mm ⌚ 8.55 hrs ⚖️ 74 g 🖨️ Prusa MINI / MINI+



frigate_engines_02mm_pla_mini_6h2m.gcode

🌀 PLA 📏 0.40 mm 📐 0.20 mm ⌚ 6.03 hrs ⚖️ 49 g 🖨️ Prusa MINI / MINI+



frigate_landing_gear_02mm_pla_mini_1h24m.gcode

🌀 PLA 📏 0.40 mm 📐 0.20 mm ⌚ 1.40 hrs ⚖️ 11 g 🖨️ Prusa MINI / MINI+



frigate_turret_02mm_pla_mini_2h29m.gcode

🌀 PLA 📏 0.40 mm 📐 0.20 mm ⌚ 2.49 hrs ⚖️ 15 g 🖨️ Prusa MINI / MINI+



1_1000

2 files



frigate_1_1000_015mm_pla_mk3s_5h0m.gcode

🌀 PLA 📏 0.40 mm 📐 0.15 mm ⌚ 5.01 hrs ⚖️ 25 g 🖨️ Prusa MK3/S/S+



frigate_1_1000_015mm_pla_mini_4h47m.gcode

🌀 PLA 📏 0.40 mm 📐 0.15 mm ⌚ 4.79 hrs ⚖️ 25 g 🖨️ Prusa MINI / MINI+



1_2000

2 files



frigate_1_2000_01mm_pla_mk3s_1h51m.gcode

🌀 PLA 📏 0.40 mm 📐 0.10 mm ⌚ 1.85 hrs ⚖️ 5 g 🖨️ Prusa MK3/S/S+



frigate_1_2000_01mm_pla_mini_1h45m.gcode

🌐 PLA 🌀 0.40 mm ≡ 0.10 mm ⌚ 1.75 hrs ⚖️ 5 g 🖨️ Prusa MINI / MINI+

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