



Ringmail System ∞ Linkmail Armor/ Cloth



Triple G Workshop

[VIEW IN BROWSER](#)

updated 23. 8. 2024 | published 23. 8. 2024

Summary

Specialized ring/linkmail armor pieces. Solid rings linked by long links with snap-on locks. Super strong & flexible.



11.16 hrs



7 pcs



0.10 mm



0.40 mm



PLA



42 g



Prusa
MK3/S/S+

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Think I'm Awesome? ~ <https://buymeacoffee.com/triplelegworkshop>
This system uses 3 pieces:

Rings - Solid rings, especially .10mm layers are almost unbreakable.

Links - Oblong links that connect the rings in whatever pattern you want.

Locks - Clips that hold the links closed tight and multiplies strength 5X.

The **links have an overlapping Z** that when locked with a clip allowed a link to hold over 15lbs (video below) This is the key to super stength. In the image and video you can see the link **wildly distorted** before the link opens. (2.2mm thick, .10mm layers, Prusament PLA My Silverness.

Why .10 layers??

.10mm layers have been proven to be the strongest, so that is my default.

Feel free to make your own .15 or .20 gcode, but know strength will be reduced.

For infill I just run max perimeters so it's solid and strong as possible.

BUILT for MK3S so you may have to scale down slightly for your printer.

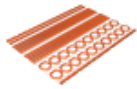
I created the models as strings to help keep them on the build plate and if one comes loose it doesn't ruin the whole batch. This is to help with overall success and you can go without if you like, raw models added at the bottom of the files tab.

YouTube Link Destruction Test Video: - These rings and link are 2.2mm thick PLA! - Not bad!



Need it more flexible? Just scale up the link & lock to give it more room!

Model files



ringmail-system-starter-set.stl

|| .10mm layers have been proven to be the strongest



ringmail-system.3mf

|| .10mm layers have been proven to be the strongest



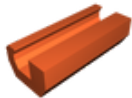
ringmail-raw-ring.stl

|| remember to use all perimeters, no infill.



ringmail-raw-link.stl

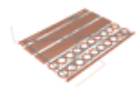
|| remember to use all perimeters, no infill.



ringmail-raw-lock.stl

|| remember to use all perimeters, no infill.

Print files



ringmail_starter-set_01mm_pla_mk3s_11h10m.gcode

% PLA (0.40 mm # 0.10 mm 2 11.16 hrs ! 42 g ! Prusa MK3/S/S+

|| Basic set to make small sheet, max strength .10mm



ringmail-rings-x10_01mm_pla_mk3s_48m.gcode

% PLA (0.40 mm # 0.10 mm 2 0.80 hrs ! 4 g ! Prusa MK3/S/S+

|| 1 row of rings



ringmail-rings-x30_01mm_pla_mk3s_2h23m.gcode

% PLA (0.40 mm # 0.10 mm 2 2.39 hrs ! 14 g ! Prusa MK3/S/S+

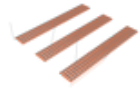
|| 3 rows of rings (prints one at a time)



ringmail-links-x30_01mm_pla_mk3s_3h33m.gcode

% PLA (0.40 mm # 0.10 mm 2 3.54 hrs ! 11 g ! Prusa MK3/S/S+

|| 1 row of links



ringmail-links-x90_01mm_pla_mk3s_10h37m.gcode

% PLA (0.40 mm # 0.10 mm 2 10.62 hrs ! 34 g ! Prusa MK3/S/S+

|| 3 rows of links (prints one at a time)



ringmail-locks-x17_01mm_pla_mk3s_52m.gcode

% PLA (0.40 mm # 0.10 mm 2 0.86 hrs ! 3 g ! Prusa MK3/S/S+

|| 1 row of locks



ringmail-locks-x68_01mm_pla_mk3s_3h27m.gcode

% PLA (0.40 mm # 0.10 mm 2 3.44 hrs ! 13 g ! Prusa MK3/S/S+

|| 4 rows of locks (prints one at a time)

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