



Hero Me Gen5 Master Suite



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[VIEW IN BROWSER](#)

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Summary

Welcome and thank you for reviewing the Hero Me Gen5 cooling system. The Hero Me Gen5 is a major upgrade to what is considered by many as the best cooling system for Creality 3D printers. The Hero Me has a dozen YouTube reviews, hundreds of public endorsements, as well as Hero Me Gen5 kits coming from TH3DStudios.com and PrinterMods.com.

A detailed and illustrated PDF with all the assembly instructions and parts cross reference is included (it is the first file in the Downloads section). It will guide you in selecting the parts needed for your printer as well as walk you step by step you through printing, assembly, and setup to be able to make great things with the Hero Me Gen5 and your 3D printer. There is also a folder organized ZIP file you can download that contains all the parts and documentation. It is the last file in the Download section.

July 13th 12:45AM PDT: Added two new Gantry Adapters for the Ender 3 V2. This gantry is different from the others in the Ender 3 series. Note this is untested, as I only had a photograph and measurements sent to me by an owner of this new printer. If you have this printer, please let me know if this works for you, or what adjustments are needed.

Ender_3_v2_OEM_Gantry_Adapter_9A.stl
Ender_3_v2_E3D_Gantry_Adapter_9B.stl

Due to popular request, I have added 8 new part cooling duct combinations for the 5020 radial fan!

5020_Lightweight_Duct_Forward_Left.stl
5020_Lightweight_Duct_Forward_Right.stl
5020_Lightweight_Duct_Standard_Left.stl
5020_Lightweight_Duct_Standard_Right.stl
5020_Single_Radial_Fan_Dual_Ducts.stl
5020_Dual_Radial_Fans_Dual_Ducts.stl
5020_30deg_Dual_Radial_Fans_Dual_Ducts.stl
5020_30deg_Single_Radial_Fan_Dual_Ducts.stl

Also to meet repeated requests, I have added 8 part cooling duct combinations for the 4010 radial fan (what comes stock with most printers). Note that I do not recommend the 4010 radial fan used in a single fan setup, especially with a dual duct. If you choose not to use a second 4010 fan with your OEM part, do not complain to me when your part cooling is sub-par and you are not able to bridge wide gaps. A single 4010 radial fan does not produce enough CFM to drive dual ducts.

4010_Lightweight_Duct_Forward_Left.stl
4010_Lightweight_Duct_Forward_Right.stl
4010_Lightweight_Duct_Standard_Left.stl
4010_Lightweight_Duct_Standard_Right.stl
4010_Single_Radial_Fan_Dual_Ducts.stl
4010_Dual_Radial_Fans_Dual_Ducts.stl
4010_30deg_Dual_Radial_Fans_Dual_Ducts.stl
4010_30deg_Single_Radial_Fan_Dual_Ducts.stl

Updated ALL part cooling ducts to have stronger mount arms and changed print bed orientation to reduce or in some cases eliminate the need for supports.

July 10th 5PM PDT: PrinterMods.com now has 3 hardware kits available for the Hero Me Gen5!



You can order the hardware (M3 fasteners) from them here: <https://printermods.com/collections/all-products/products/herome-gen-5-installation-kit-for-ender-3-mdd-v1-2>

Additional project and file updates are listed at the bottom of this page.

Michael from Teaching Tech did a review AND step by step assembly instructions (17min). Before you send me questions, please watch this video as it will help you greatly when using these instructions and parts cross reference! Check out the video below:

["https://www.youtube.com/embed/DUkoKzOFWFs"](https://www.youtube.com/embed/DUkoKzOFWFs)

Tim from TH3DStudio.com has done a detailed video of the parts selection, slicing, setup and print prep guide (32min). Check out the video below:

["https://www.youtube.com/embed/DUkoKzOFWFs"](https://www.youtube.com/embed/DUkoKzOFWFs)

Kris from Kersey Fabrications lists the Hero Me as one of the Top 5 upgrades for the Ender 5. Check out the video below:

["https://www.youtube.com/embed/DUkoKzOFWFs"](https://www.youtube.com/embed/DUkoKzOFWFs)

I am proud to announce the following separate relationships with PrinterMods.com and TH3DStudio.com!

PrinterMods.com has chosen to offer Hero Me Gen5 compatible hardware kits (nuts and bolts) that complement their MDD (Modular Direct Drive) printer upgrades. These Hero Me Gen5 kits will include all the M3 screws and nuts needed to assemble your hot-end with their MDD kits and your

Hero Me Gen5 printed parts. It will be a few weeks before the kits are listed on their website.

TH3DStudio.com plans to offer Hero Me Gen5 printed parts and hardware kits with several of their Creality 3D printer (and clones) upgrade kits. As soon as they update their shop pages, when you order your TH3D Tough All Metal Hotend, Tough Extruder, or EZABL Pro upgrades, you will be able to optionally select your printer, fan(s), EZABL, and other options so that your upgrade kit is customized to include the Hero Me Gen5 parts needed to assemble your kit on your printer. It will be a few weeks before the kits are listed on their website.

Note that there is no relationship between PrinterMods.com and TH3DStudio.com in regard to the Hero Me Gen5 cooling system. These are separate collaborations between me and each of these businesses.

I am very excited to work with these two great teams who are very active in the 3D printer community. To be clear, I do not make any money from them selling their kits, the Hero Me is Creative Commons attribution. This is about recognition of quality, and reputation.

I have had over 2,700 questions and comments that I have responded to from the community in the past year and a half, so I have created a Patreon page to provide support for the Hero Me. If you find that the Hero Me works for you please consider supporting me and this project via Patreon: <https://www.patreon.com/MediaMan3D>

3D Printer models currently supported by the Hero Me Gen5.

Below is the continually growing list of 3D printers that are compatible with the Hero Me Gen5.

CR-10 CR-10 V2 CR-10 Mini CR-10S CR-10S4 CR-10S5 CR-10S Pro CR-10S Pro V2 CR-10 MAX CR-20 Ender 3 Ender 3X Ender 3 V2 Ender 3 Pro Ender 5 Ender 5 Pro Ender 5 Plus PrinterMods.com MDD kits for CR-10 series, Ender 3 series, & Ender 5 series. Gantry plate replacements kits for Direct Drive use. BLV Ender 3 Pro <https://www.blvprojects.com>

Other manufacturer's clones of the Creality CR and Ender series printers may be compatible but have not been tested. With 85 parts across 6 categories, there are over 3 Million Hero Me Gen5 part combinations! But fear not, the included parts cross reference makes it very easy for you to select the parts you need to print for your specific printer setup.

All the documentation you need can be found in the Parts Cross Reference and Illustrated Assembly Instructions PDF found in the Downloads section.

Once you've upgraded. please take a picture of your Hero Me updated printer and post a Make to Thingiverse! Happy Printing!

Additional Project Updates

July 4th 6:15PM PDT: Updated a Direct Drive adapter in the Remixes section to support both Ender 3 and Ender 5 series printers. Added a new PrinterMods.com MDD compatible Direct Drive Adapter for the Creality Dual Gear extruder, Winsinn Dual Gear extruder, and clones. This remix is provided by klsummers92 on Thingiverse. Thank you Kodi!

PM_OEM_Dual_Gear_Extruder_Adapter.stl

July 4th 4:30PM PDT: Updated the Gantry Adapter for the CR-10S Pro to have better clearances when mounting to the gantry plate. Updated the PDF assembly instructions with an image to show the position of the Gantry Clips when one is needed.

CR_OEM-MS_Gantry_Adapter_3A.stl CR_E3D_Gantry_Adapter_3B.stl

July 2nd 6:45PM PDT: Updated documentation with photos and illustrations! Added support for the BLV upgrade for Ender 3 Pro systems. More info on the BLV upgrade can be found here: <https://www.blvprojects.com>

www.blvprojects.com

BLV_Ender_OEM_Gantry_Adapter_8A.stl

BLV_Ender_E3D_Gantry_Adapter_8B.stl

July 1st 12PM PDT: All but two of the Part Cooling Ducts have been updated with reinforced mounting brackets. The previous ones were snapping off for some people at the narrow point where the mount arm connect to the main fan duct body. Print these at 100% infill for best results. The two remaining (forward 5015 lightweight left/right ducts) are being updated as well and will be posted when completed.

4020_30deg_Dual_Radial_Fans_Dual_Ducts.stl

4020_30deg_Single_Radial_Fan_Dual_Ducts.stl

4020_Dual_Radial_Fans_Dual_Ducts.stl

4020_Lightweight_Duct_Standard_Left.stl

4020_Lightweight_Duct_Standard_Right.stl

4020_Single_Radial_Fan_Dual_Ducts.stl

5015_30deg_Dual_Radial_Fans_Dual_Ducts.stl

5015_30deg_Single_Radial_Fan_Dual_Ducts.stl

5015_Dual_Radial_Fans_Dual_Ducts.stl

5015_Lightweight_Duct_Standard_Left.stl

5015_Lightweight_Duct_Standard_Right.stl

5015_Single_Radial_Fan_Dual_Ducts.stl

June 30th 11:30PM PDT: Added draft ABL sensors for Hallon and Touch-Mi.

Touch-Mi_ABL_Medium_Mount.stl Hallon_ABL_Medium_Mount.stl

June 30th 12PM PDT: Added missing hot-end bolt arches in the front of Base 5 and Base. 6, increased the access arch for Base 1 and Base 4 to match.

Hero_Me_Gen5_Base_1.stl Hero_Me_Gen5_Base_4.stl
Hero_Me_Gen5_Base_5.stl Hero_Me_Gen5_Base_6.stl

June 26th 10AM PDT: Re-posted correct ABL Adapter for close OEM 18mm sensor to include grub screw holes. OEM_Mount_Close_18mm.stl

June 26th 8:10AM PDT: Created new Gantry Adapters for the CR-10S Pro V2 to match the mount holes on the gantry plate (they changed from the CR-10S Pro). CR_OEM_Gantry_Adapter_7A.stl
CR_E3D_Gantry_Adapter_7B.stl

Adjusted the Gantry Adapters for the CR-10 V2 to not crowd the top left wheel bolt. CR_MK8-MS_Gantry_Adapter_2A.stl
CR_E3D_Gantry_Adapter_2B.stl

Additional Direct Drive Adapters for the Ender 3 series, Ender 5 series, and CR-10/S have been added in the Remixes section. These do not require the PrinterMods.com MDD kit.

Updated the PDT document (and instructions below). The Y axis Home offset is now -9mm across all printers. The old Gantry Adapter CR_OEM_Gantry_Adapter_3A.stl has been deprecated, and the CR_OEM_Gantry_Adapter_3C.stl has been renamed to CR_OEM_Gantry_Adapter_3A.stl.

June 23rd 7:45PM PDT: The instructions below and the included PDF file that can be downloaded, have been updated to include instructions for setting the printer's X/Y Home offset (-7 or -9) as well as the instructions for the ABL sensor's firmware X/Y offset.

Direct Drive Options: All the initial Direct Drive Adapter options for the Hero Me Gen5 use the MDD kit from PrinterMods.com. I am creating other DD adapters for the Hero Me Gen5 over time, and they will be added in the coming days. The first one is available now for the Ender 5 series. I have posted a remix of a DD adapter that should be compatible (was an easy remix, but I have not tested it). Currently you can find it in the Remixes section of this project.

Update June 22nd 1:15PM PDT: The Hero Me Base files have been updated one last time. I found that in some setups on some printer configurations, that the the bottom back mount surface would hit against the M5 bolt and nut for the bottom wheel on the gantry. This has been corrected across all

8 base files. You would only need to re-download the base you need if you encounter the back of the base not seating flush against the gantry adapter because of the interference from the M5 nut and bolt.

Hero_Me_Gen5_Base_1.stl Hero_Me_Gen5_Base_2.stl
Hero_Me_Gen5_Base_3.stl Hero_Me_Gen5_Base_4.stl
Hero_Me_Gen5_Base_5.stl Hero_Me_Gen5_Base_6.stl
Hero_Me_Gen5_Base_7.stl Hero_Me_Gen5_Base_8.stl

Update June 22nd 10:30AM PDT: Updated the instructions below (and in the PDF and ZIP) with more details regarding the types of hot-ends, how they mount, and how that affects the parts you choose.

All the part cooling duct STLs (re-oriented for best printing) had to be re-uploaded again as these parts failed to upload early this AM.

Update June 22nd 1:30AM PDT: For those with any Ender 5 series printer, and are using any of the ABL sensor mounts, a spacer file has been added. This is to be used if your ABL mounts do not clear the metal clip that retains the belt. Be sure to increase the Y axis firmware offset by -6. PM-Ender_5_ABL_Spacer.stl

The Hero Me Base files have been strengthened further to ensure that the cooling system is secure to the gantry adapter. The hex nut inserts have been made larger. The top rear of the Hero Me Base has been re-enforced. All eight Hero Me Base files have been updated.

Hero_Me_Gen5_Base_1.stl Hero_Me_Gen5_Base_2.stl
Hero_Me_Gen5_Base_3.stl Hero_Me_Gen5_Base_4.stl
Hero_Me_Gen5_Base_5.stl Hero_Me_Gen5_Base_6.stl
Hero_Me_Gen5_Base_7.stl Hero_Me_Gen5_Base_8.stl

All the Gantry Adapters have been updated to so as not to require supports when printing. Hex nut inserts have been added or made larger (if pre-existing).

CR-Ender_OEM-MS_Gantry_Adapter_1A.stl CR-Ender_E3D_Gantry_Adapter_1B.stl CR_MK8-MS_Gantry_Adapter_2A.stl
CR_E3D_Gantry_Adapter_2B.stl CR_OEM_Gantry_Adapter_3A.stl
CR_E3D_Gantry_Adapter_3B.stl CR_MS_Gantry_Adapter_3C.stl Ender_OEM-MS_Gantry_Adapter_4A.stl Ender_E3D_Gantry_Adapter_4B.stl PM_CR-Ender_OEM-MS_Gantry_Adapter_5A.stl PM_CR-Ender_E3D_Gantry_Adapter_5B.stl PM_Ender_OEM-MS_Gantry_Adapter_6A.stl PM_Ender_E3D_Gantry_Adapter_6B.stl
PM_Gantry_Clip_6.stl

All the part cooling duct STLs have been re-uploaded after changing their orientation to be best for printing with little to no supports required.

Two new ABL mounts have been created to enable EZABL and OEM 18mm sensors to be closer to the hot-end when using any of the single fan-dual ducts. EZABL_Mount_Close_18mm.stl OEM_Mount_Close_18mm.stl

Update June 16th 9:45PM PDT: An error was found in the Hero Me Base files where one wall was too thin for the captured hex nuts to hold the base to the gantry adapter. All eight Hero Me Base files have been updated.

Hero_Me_Gen5_Base_1.stl Hero_Me_Gen5_Base_2.stl
Hero_Me_Gen5_Base_3.stl Hero_Me_Gen5_Base_4.stl
Hero_Me_Gen5_Base_5.stl Hero_Me_Gen5_Base_6.stl
Hero_Me_Gen5_Base_7.stl Hero_Me_Gen5_Base_8.stl

The three gantry adapters for the CR-10S Pro, CR-10S Pro V2, And CR-MAX for all their hot-end types had an error due to a bad Creality Gantry STL. These have been redesigned and fixed. CR_OEM_Gantry_Adapter_3A.stl CR_E3D_Gantry_Adapter_3B.stl CR_MS_Gantry_Adapter_3C.stl

Update June 15th 3:30PM PDT: Thanks for all the great feedback and for spotting some typos and a couple missing files, etc. All have been corrected and posted. Both the PDF and docs below are updated.

Thanks and Credits

I would like to thank both PrinterMods.com and TH3DStudio for selecting the Hero Me Gen5 Master Suite to complement their products!

I would especially like to thank ACWest for providing his awesome part cooling ducts to be part of the Hero Me Gen5 Master Suite. His cooling ducts have been CFM tested and validated to have the optimum focused airflow across the part at the tip of the nozzle.

ACWest and I have collaborated on the Hero Me Gen5 over the past several months. His testing and recommendations have been key to help make the Hero Me Gen5 the best possible cooling system.

Thanks to Kelokera for the original Hero Me design! <https://www.thingiverse.com/thing:3092044> <https://www.thingiverse.com/kelokera/about>

Thank you for choosing the Hero Me Gen5 to be part of your 3D printing experience! Please post your feedback, make, or remix on the Hero Me Gen5 Thingiverse project and share this with your 3D printing friends!

Thanks,

MediaMan – Thingiverse: <https://www.thingiverse.com/mediaman/>

If you would like support for your Hero Me Gen5, please visit my Patreon page. Patreon: <https://www.patreon.com/MediaMan3D>

Video content for the Hero Me Gen5 coming soon! YouTube: <https://www.youtube.com/channel/UC5OZ3h7NX1p3mran2hgrQvQ>

ACWest - Thingiverse: <https://www.thingiverse.com/acwest/> All Hero Me Gen5 part cooling ducts provided by ACWest

klsummers92 - Thingiverse: <https://www.thingiverse.com/klsummers92> PM_OEM_Dual_Gear_Extruder_Adapter.stl remix provided by klsummers92

Super Hero Cartoon vector created by freepik: <https://www.freepik.com/free-photos-vectors/cartoon>

[3D Printers](#) > [3D Printers - Upgrades](#)

Rafts: No Supports: Yes Resolution: .2mm to .28mm Infill: 35% to 50%
Filament_brand: Any Filament_color: Any Filament_material: PLA, PETG

Recommended printer settings: Set layer height between .2mm to .28mm layer height (lower is fine, but not required, also slows the print time greatly).

Set infill to be between 35% and 50%. The Direct Drive adapters should be at 85% or higher. Use automated supports from the build plate only (these can be sparse; you do not need a lot of support).










The lightweight cooling ducts can use a few well-placed supports just inside the part (not down into the duct).










If you use a silicone sock on your printer's hot-end, you can use PLA for the cooling ducts and Hero Me base. I highly recommend using a silicone sock for you hot-end in all cases.

I have printed for two years with the Hero Me made from 100% PLA with no warping or melting because I have always used a silicone sock. If you do not have a silicone sock, I recommend using PETG or ABS for the base and parts cooling duct(s).










Model Files (.stl, .3mf, .obj, .amf)










[↓ DOWNLOAD ALL FILES](#)










72x72	cr_e3d_gantry_adapter_2b.stl updated 23. 8. 2020	321.0 KB	
72x72	cr-ender_oem-ms_gantry_adapter_1a.stl updated 23. 8. 2020	318.3 KB	
72x72	pm-ender_5_abl_spacer.stl updated 23. 8. 2020	17.3 KB	
72x72	oem_mount_medium_18mm.stl updated 23. 8. 2020	154.6 KB	
72x72	ezabl-oem_mount_no_duct_8mm.stl updated 23. 8. 2020	106.4 KB	
72x72	ezabl-oem_mount_wide_12mm.stl updated 23. 8. 2020	91.2 KB	
72x72	5020_lightweight_duct_forward_left.stl updated 23. 8. 2020	121.7 KB	
72x72	pm_bondtech_lh_adapter_2.stl updated 23. 8. 2020	177.9 KB	
72x72	bltouch_wing_no_duct.stl updated 23. 8. 2020	110.4 KB	










72x72	ender_oem-ms_gantry_adapter_4a.stl updated 23. 8. 2020	275.2 KB	
72x72	ezabl_mount_no_duct_18mm.stl updated 23. 8. 2020	82.2 KB	
72x72	bltouch_wing_wide.stl updated 23. 8. 2020	115.5 KB	
72x72	5020_30deg_dual_radial_fans_dual_duct: updated 23. 8. 2020	250.9 KB	
72x72	hero_me_gen5_base_7.stl updated 23. 8. 2020	970.2 KB	
72x72	touch-mi_abl_medium_mount.stl updated 23. 8. 2020	68.3 KB	
72x72	bltouch_wing_compact.stl updated 23. 8. 2020	136.6 KB	
72x72	ender_gantry_clip_4.stl updated 23. 8. 2020	41.3 KB	
72x72	oem_mount_close_18mm.stl updated 23. 8. 2020	157.3 KB	










72x72	4010_lightweight_duct_standard_right.s updated 23. 8. 2020	173.5 KB	
72x72	ezabl-oem_mount_no_duct_12mm.stl updated 23. 8. 2020	40.4 KB	
72x72	5020_lightweight_duct_standard_right.s updated 23. 8. 2020	118.2 KB	
72x72	pm_titan_rh_adapter_3.stl updated 23. 8. 2020	136.5 KB	
72x72	hmg5_jet_fan_guard.stl updated 23. 8. 2020	1.7 MB	
72x72	4020_lightweight_duct_forward_right.stl updated 23. 8. 2020	121.3 KB	
72x72	5020_30deg_single_radial_fan_dual_duct updated 23. 8. 2020	375.0 KB	
72x72	oem_mount_narrow_18mm.stl updated 23. 8. 2020	149.9 KB	
72x72	5015_30deg_dual_radial_fans_dual_duct: updated 23. 8. 2020	264.7 KB	










72x72	led_bar_for_lightweight_5015_ducts.stl updated 23. 8. 2020	26.6 KB	
72x72	bltouch_wing_medium.stl updated 23. 8. 2020	105.9 KB	
72x72	pm_oem_extruder_adapter.stl updated 23. 8. 2020	207.6 KB	
72x72	hero_me_gen5_base_1.stl updated 23. 8. 2020	887.3 KB	
72x72	pm_ezr_struder_oem_adapter_2_optiona updated 23. 8. 2020	105.4 KB	
72x72	ender_e3d_gantry-adapter_4b.stl updated 23. 8. 2020	256.1 KB	
72x72	hero_me_gen5_base_6.stl updated 23. 8. 2020	985.6 KB	
72x72	hmg5_turbine_fan_guard.stl updated 23. 8. 2020	1.8 MB	
72x72	cr_oem-ms_gantry_adapter_3a.stl updated 23. 8. 2020	403.3 KB	










72x72	4010_lightweight_duct_forward_left.stl updated 23. 8. 2020	174.7 KB	
72x72	pm_gantry_clip_5.stl updated 23. 8. 2020	30.2 KB	
72x72	cr_e3d_gantry_adapter_7b.stl updated 23. 8. 2020	269.0 KB	
72x72	hmg5_e3d_v6-clone_collar.stl updated 23. 8. 2020	51.4 KB	
72x72	pm_bondtech_lh_adapter_3.stl updated 23. 8. 2020	153.6 KB	
72x72	hmg5_e3d_v6-clone_air_dam.stl updated 23. 8. 2020	15.6 KB	
72x72	ezabl_mount_narrow_18mm.stl updated 23. 8. 2020	83.4 KB	
72x72	ezabl_mount_close_18mm.stl updated 23. 8. 2020	96.4 KB	
72x72	pm_titan_mirror_adapter_2.stl updated 23. 8. 2020	155.6 KB	










72x72	5020_lightweight_duct_standard_left.stl updated 23. 8. 2020	118.2 KB	
72x72	hero_me_gen5_base_4.stl updated 23. 8. 2020	1.0 MB	
72x72	pm_ender_e3d_gantry_adapter_6b.stl updated 23. 8. 2020	318.6 KB	
72x72	5020_single_radial_fan_dual_ducts.stl updated 23. 8. 2020	362.2 KB	
72x72	hero_me_gen5_base_2.stl updated 23. 8. 2020	1.2 MB	
72x72	5015_30deg_single_radial_fan_dual_duct updated 23. 8. 2020	376.5 KB	
72x72	pm_cr-ender_e3d_gantry_adapter_5b.stl updated 23. 8. 2020	285.2 KB	
72x72	pm_ezr_struder_e3d_adapter_2_optional updated 23. 8. 2020	105.7 KB	
72x72	pm_titan_rh_adapter_1.stl updated 23. 8. 2020	138.1 KB	








72x72	ezabl_mount_wide_18mm.stl updated 23. 8. 2020	89.9 KB	
72x72	5015_dual_radial_fans_dual_ducts.stl updated 23. 8. 2020	253.2 KB	
72x72	4020_30deg_single_radial_fan_dual_duct updated 23. 8. 2020	370.7 KB	
72x72	5015_lightweight_duct_forward_left.stl updated 23. 8. 2020	121.6 KB	
72x72	hero_me_gen5_base_8.stl updated 23. 8. 2020	1.0 MB	
72x72	4010_dual_radial_fans_dual_ducts.stl updated 23. 8. 2020	351.4 KB	
72x72	4010_single_radial_fan_dual_ducts.stl updated 23. 8. 2020	415.6 KB	
72x72	5020_lightweight_duct_forward_right.stl updated 23. 8. 2020	121.7 KB	
72x72	hero_me_gen5_base_5.stl updated 23. 8. 2020	959.6 KB	

72x72	4020_lightweight_duct_standard_right.s updated 23. 8. 2020	116.7 KB	
72x72	hero_me_gen5_base_3.stl updated 23. 8. 2020	972.3 KB	
72x72	4010_30deg_single_radial_fan_dual_duct updated 23. 8. 2020	426.2 KB	
72x72	5015_lightweight_duct_forward_right.stl updated 23. 8. 2020	121.6 KB	
72x72	5015_lightweight_duct_standard_right.s updated 23. 8. 2020	119.5 KB	
72x72	bltouch_flat_mount.stl updated 23. 8. 2020	37.9 KB	
72x72	5020_dual_radial_fans_dual_ducts.stl updated 23. 8. 2020	244.8 KB	
72x72	4020_lightweight_duct_standard_left.stl updated 23. 8. 2020	116.7 KB	
72x72	cr_mk8-ms_gantry_adapter_2a.stl updated 23. 8. 2020	362.8 KB	

72x72	ender_3_v2_oem_gantry_adapter_9a.stl updated 23. 8. 2020	313.1 KB	
72x72	pm_gantry_clip_6.stl updated 23. 8. 2020	72.1 KB	
72x72	oem_mount_wide_18mm.stl updated 23. 8. 2020	158.1 KB	
72x72	5015_single_radial_fan_dual_ducts.stl updated 23. 8. 2020	362.1 KB	
72x72	4020_single_radial_fan_dual_ducts.stl updated 23. 8. 2020	363.9 KB	
72x72	blv_ender_e3d_gantry_adapter_8b.stl updated 23. 8. 2020	290.5 KB	
72x72	ezabl-oem_mount_medium_8mm.stl updated 23. 8. 2020	109.2 KB	
72x72	cr_e3d_gantry_adapter_3b.stl updated 23. 8. 2020	335.5 KB	
72x72	cr_oem_gantry_adapter_7a.stl updated 23. 8. 2020	322.5 KB	

72x72	ezabl-oem_mount_wide_8mm.stl updated 23. 8. 2020	121.4 KB	
72x72	blv_ender_oem_gantry_adapter_8a.stl updated 23. 8. 2020	353.0 KB	
72x72	bltouch_standard_mount.stl updated 23. 8. 2020	47.9 KB	
72x72	pm_oem_dual_gear_extruder_adapter.stl updated 23. 8. 2020	180.9 KB	
72x72	ender_3_v2_e3d_gantry_adapter_9b.stl updated 23. 8. 2020	279.1 KB	
72x72	4020_30deg_dual_radial_fans_dual_duct: updated 23. 8. 2020	250.5 KB	
72x72	4010_lightweight_duct_forward_right.stl updated 23. 8. 2020	174.7 KB	
72x72	5015_lightweight_duct_standard_left.stl updated 23. 8. 2020	119.5 KB	
72x72	bltouch_wing_narrow.stl updated 23. 8. 2020	88.0 KB	

72x72	cr-ender_e3d_gantry_adapter_1b.stl updated 23. 8. 2020	286.3 KB	
72x72	4010_30deg_dual_radial_fans_dual_ducts.stl updated 23. 8. 2020	362.2 KB	
72x72	pm_bondtech_rh_adapter_1.stl updated 23. 8. 2020	174.2 KB	
72x72	4020_dual_radial_fans_dual_ducts.stl updated 23. 8. 2020	248.1 KB	
72x72	pm_ezr_struder_adapter_1.stl updated 23. 8. 2020	105.1 KB	
72x72	4020_left_fan_mount_spacer.stl updated 23. 8. 2020	25.1 KB	
72x72	pm_cr-ender_oem-ms_gantry_adapter_5i updated 23. 8. 2020	303.5 KB	
72x72	4020_lightweight_duct_forward_left.stl updated 23. 8. 2020	121.3 KB	
72x72	oem_mount_no_duct_18mm.stl updated 23. 8. 2020	149.6 KB	

72x72	cr-ender_gantry_clip_1.stl updated 23. 8. 2020	21.9 KB	
72x72	ezabl_mount_medium_18mm.stl updated 23. 8. 2020	85.0 KB	
72x72	pm_ender_oem-ms_gantry_adapter_6a.s updated 23. 8. 2020	335.7 KB	
72x72	ezabl-oem_mount_medium_12mm.stl updated 23. 8. 2020	84.9 KB	
72x72	bltouch_slider_compact.stl updated 23. 8. 2020	190.9 KB	
72x72	4010_lightweight_duct_standard_left.stl updated 23. 8. 2020	173.5 KB	
72x72	hallon_abl_medium_mount.stl updated 23. 8. 2020	74.5 KB	

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