Micron R1

Everything is smaller but the price

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Contents

Introduction

STL File Key

Primary Color	Accent Color	Quantity Required
z_drive_main_a_x2.stl These files will have nothing at the start of the filename.	**[a]**_z_drive_baseplate_a_x2.stl These files will have **[a]** to the front to mention that they are intended to be printed with an accent color.	[a]_z_drive_baseplate_a_**x2**.stl If a file ends with **xN**, you need to print **N** number of that file

PRINT GUIDELINES

FDM MATERIAL	INFILL TYPE
ABS/ASA	Grid, Cubic, Adaptive Cubic

LAYER HEIGHT	WALL COUNT
Recommended: 0.2mm	Recommended: 4

EXTRUSION WIDTH	INFILL PERCENTAGE
Recommended: Forced 0.4mm	Recommended: 40%

SOLID TOP/BOTTOM LAYERS	SUPPORTS REQUIRED
Recommended: 5	If the part needs supports, they are built into the model.

HOW TO GET HELP

If you need assistance with your build you can head over the DOOMCUBE Discord server and post your questions (typically in the #micron_build_questions channel). It is the primary help channel for the Micron! You can also check the Github page for the latest releases.

DISCO? OH . . . DISCORD

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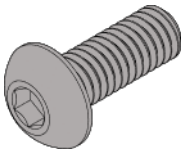
GIT GUD

If you want to stay up to date on the latest files for Micron. The github page is the only source for the latest files.

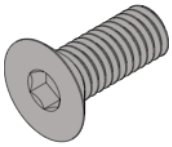
HARDWARE



BUTTON HEAD CAP SCREW (BHCS)

Metric fastener with a domed shaped head and hex drive. Most commonly found in locations where M3 fasteners are used.

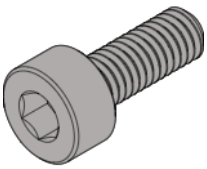
ISO 7380-1



FLAT HEAD CAP SCREW (FHCS)

Metric fastener with a cone shaped head and a flat top.

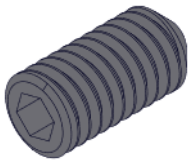
ISO 10642



SOCKET HEAD CAP SCREW (SHCS)

Metric fastener with a cylindrical head and hex drive. The most common fastener used on the Voron.

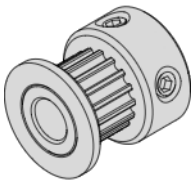
ISO 4762 / DIN 912



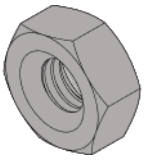
GRUB SCREW (GS)

Metric Socket Cup Point Set Screws (also called Hollow Point Grub Screws) are fitted with a concave cup point, which allows them to fit closely against a rounded surface such as a motor shaft

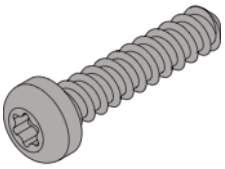
ISO 4029/ DIN 916



PULLEY

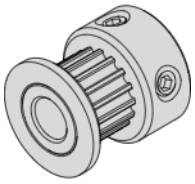
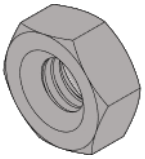
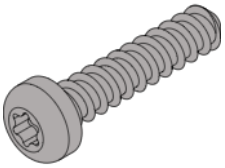


HEX NUT



SELF TAPPING SCREW

HEAT SET INSERT

			
GT2 pulley used on the motion system of the Micron.	Hex nuts couple with bolts to create a tight, secure joint. You'll see these used in both M2 and M3 variants throughout this guide.	Fastener with a pronounced thread profile that is screwed directly into plastic.	Heat the inserts with a soldering iron so that they melt the plastic when installed. As the plastic cools, it solidifies around the knurls and ridges on the insert for excellent resistance to both torque and pull-out.
	ISO 4032 / DIN 934	ISO 4762 / DIN 912	