

QUICK START GUIDE

MOJIBAKE
COLLECTIBLES

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EPIC PLAYMAT TUBES – 3D PRINTING, ASSEMBLY & TROUBLESHOOTING GUIDE



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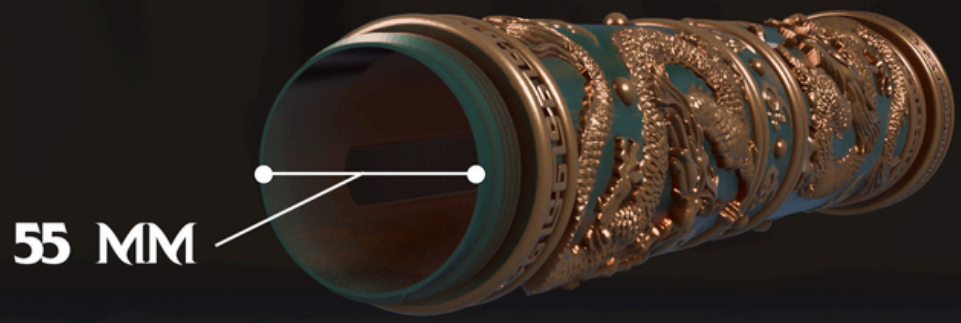
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INTRODUCTION

THANK YOU FOR SUPPORTING OUR PROJECT!
THE EPIC PLAYMAT TUBES ARE DESIGNED TO BE FULLY **MODULAR**, **EASY TO ASSEMBLE**, AND **CUSTOMIZABLE**.
THIS GUIDE WILL HELP YOU WITH EVERYTHING FROM 3D PRINTING THE TUBES TO ASSEMBLING THEM AND SOLVING COMMON ISSUES.
DON'T FORGET TO JOIN OUR **DISCORD** CHANNEL TO SHARE YOUR BUILDS, ASK QUESTIONS, AND GET INSPIRED BY OTHER BACKERS!



455 MM



55 MM

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3D PRINTING GUIDE (FDM)

TO ENSURE THE BEST POSSIBLE RESULTS WHEN PRINTING YOUR EPIC PLAYMAT TUBES, FOLLOW THESE RECOMMENDATIONS FOR FDM PRINTERS:

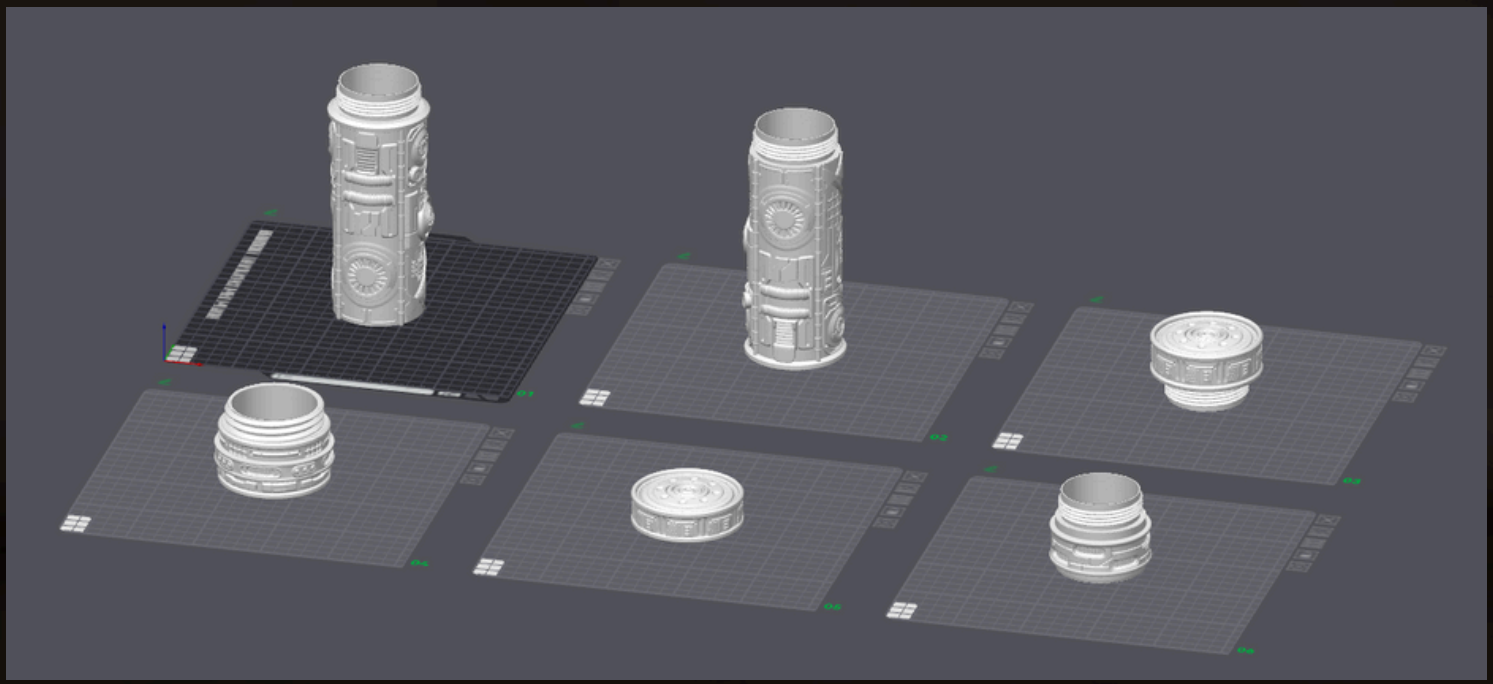
RECOMMENDED PRINT SETTINGS

- **LAYER HEIGHT**: 0.2MM (FOR A BALANCE BETWEEN DETAIL AND PRINT TIME).
- **INFILL**: 20% (PROVIDES ENOUGH STRENGTH WHILE KEEPING THE PRINT LIGHTWEIGHT).
- **WALL/PERIMETER COUNT**: 2-4 WALLS FOR EXTRA DURABILITY.
- **SUPPORTS**: NOT REQUIRED UNLESS SPECIFIED FOR CERTAIN OPTIONAL PARTS OR COMPLEX DESIGNS. TREE SUPPORTS SUGGESTED
- **BUILD PLATE ADHESION**: USE A BRIM OR RAFT IF NECESSARY TO PREVENT WARPING.

MATERIAL RECOMMENDATIONS

- **PLA**: EASY TO PRINT AND WIDELY AVAILABLE. BEST FOR DECORATIVE PURPOSES.
- **PETG**: STRONGER AND MORE FLEXIBLE THAN PLA. GREAT FOR PARTS THAT NEED EXTRA DURABILITY.
- **ABS**: GOOD FOR HIGH-TEMPERATURE ENVIRONMENTS BUT REQUIRES A HEATED **ENCLOSURE TO AVOID WARPING.**

3MF FILES ARE INCLUDED, WITH OBJECTS PRE-ORIENTED AND SUPPORTED FOR OPTIMAL PRINTING. HOWEVER, PRINT QUALITY MAY VARY DEPENDING ON YOUR MACHINE, SO FEEL FREE TO ADJUST THE SETTINGS AS NEEDED.
PS: TEST TUBES HAVE BEEN PRINTED ON A **BAMBULAB P1S** PRINTER

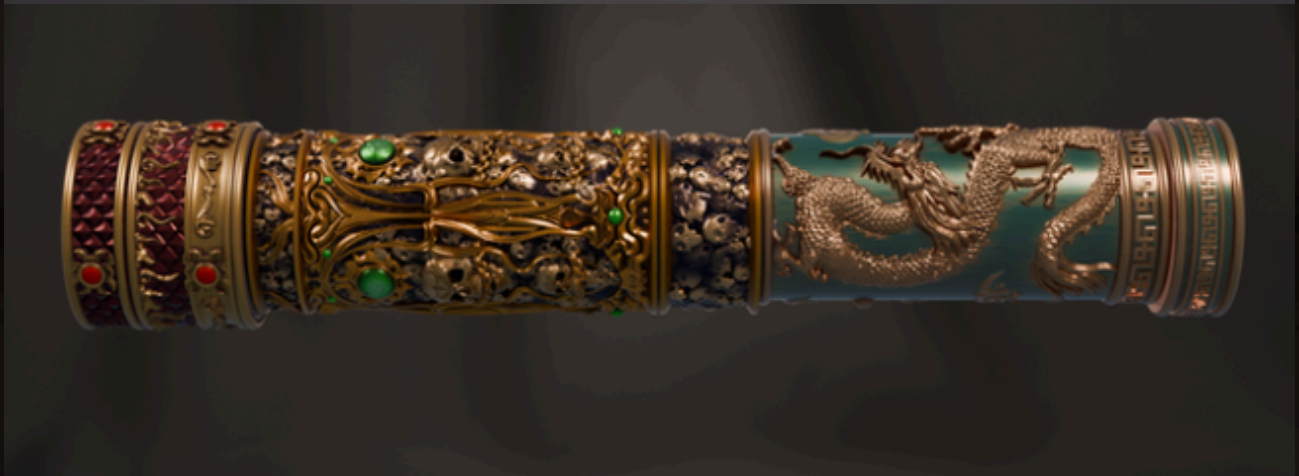


ASSEMBLY INSTRUCTIONS

HOW TO ASSEMBLE

1. SIMPLY ATTACH THE PARTS BY SCREWING THEM ON.
2. ADD OPTIONAL COMPARTMENTS IF DESIRED BY STACKING THEM BETWEEN THE MIDDLE SECTIONS.
3. YOU CAN SIMPLY SCREW THEM TOGETHER, OR USE GLUE IF YOU PREFER A PERMANENT BOND.
4. ENSURE PROPER ALIGNMENT. IF YOU NOTICE ANY SLIGHT MISALIGNMENT, USE A WASHER (INCLUDED IN THE FILES) TO CORRECT IT.
5. YOU CAN STACK AS MANY PIECES YOU WANT SINCE THEY ARE MODULAR
6. COMBINE DIFFERENT DESIGNS!





TROUBLESHOOTING & TIPS

COMMON ISSUES AND SOLUTIONS (WIP)

- **THREAD MISALIGNMENT**:

SOLUTION: USE THE PROVIDED WASHER TO REALIGN THE SECTIONS. PRINT IT AT DIFFERENT THICKNESSES TO ACHIEVE PERFECT ALIGNMENT.

- **THREADS TOO TIGHT**:

SOLUTION: CHECK YOUR “FLOW” PARAMETER IN YOUR SLICER.

- **WARPING**:

SOLUTION: USE A HEATED BED AND ENSURE GOOD BED ADHESION BY USING A BRIM OR RAFT.

- **BAD INNER CAPS SURFACE**:

SOLUTION: ADD MORE SUPPORTS (TREE SUPPORTS ARE SUGGESTED) IN THE CENTER PART, OR COVER WITH A SMALL PAD FELT (SUGGESTED BY THE COMMUNITY)

- **SUPPORTS DIFFICULT TO REMOVE IN THE CAPS PIECES:**

SOLUTION: MINIMIZE THE USE OF SUPPORTS IN THE THREADED SECTIONS. IDEALLY, ONLY A MINIMAL AMOUNT OF SUPPORTS SHOULD BE REQUIRED IN THOSE AREAS.

F A Q

Q: CAN I RESIZE THE TUBES?
A: YES, YOU CAN SCALE THE FILES TO FIT YOUR NEEDS! SCALE UP CAN BE ALWAYS DONE, WHILE WE WON'T RECOMMEND SHRINKING DOWN BELOW 50% UNLESS YOU HAVE A RESIN PRINTER (BUT EVEN WITH THAT WALLS AND THREADS CAN BE THIN)

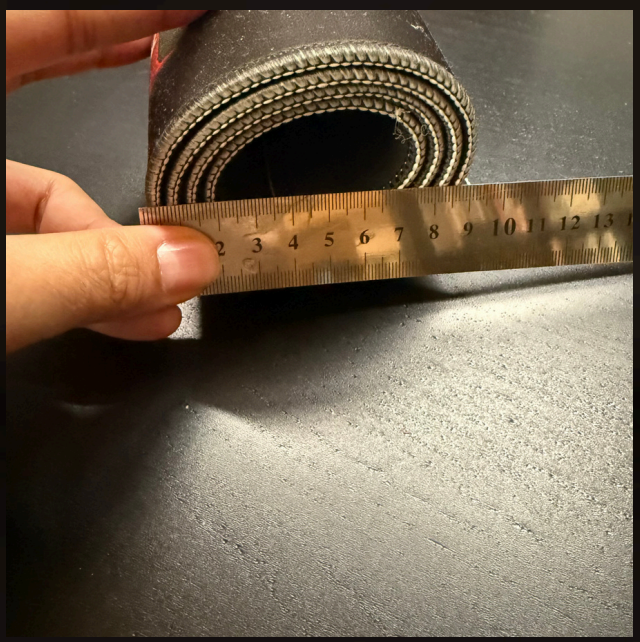
IF YOU HAVE BIGGER MATS, PROCEED LIKE THIS:

- ROLL UP YOUR MAT AND WRITE DOWN THE DIAMETER
- CALCULATE THIS SIMPLE PROPORTION:

NEW SCALE = (DIAM. ROLL * 100) / 55

EXAMPLE: DIABLO DESKTOP MAT:

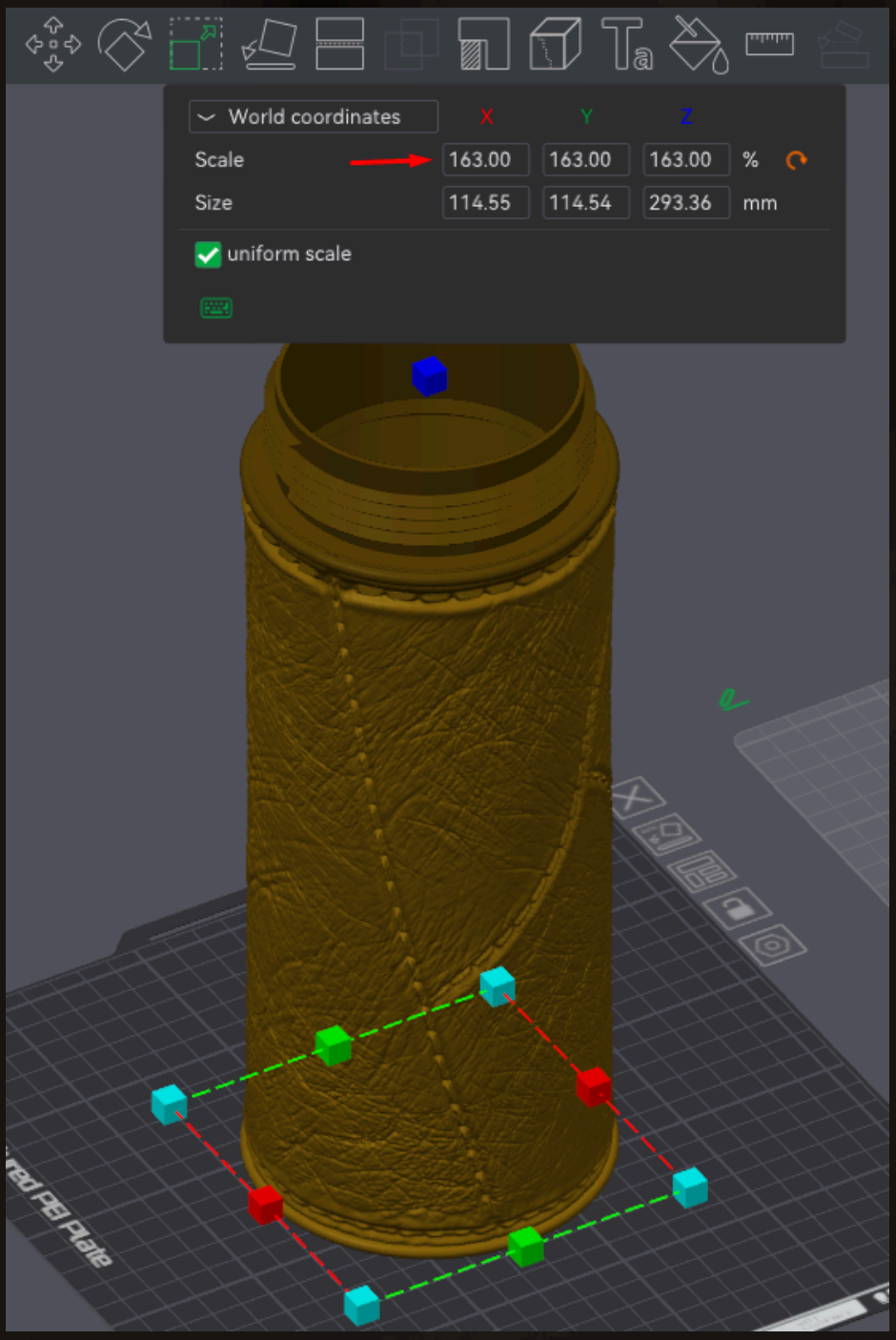




F A Q

ROLLED MAT DIAM = 90 MM
NEW SCALE = (90 * 100) / 55 =163%

NOW GO IN YOUR SLICER SOFTWARE AND SCALE UP (OR DOWN) THE OBJECT BY THE NEW SCALE VALUE:
PS:YOU CAN ADD A LITTLE BIT OF TOLERANCE IN THE SCALE BY 1-3%



FAQ

PRINT AS MANY SECTIONS AS NEEDED TO MATCH THE LENGTH OF YOUR PLAYMAT.





Q: WHAT'S THE BEST RESOLUTION FOR PRINTING?

A: WE SUGGEST A 0.2MM LAYER HEIGHT FOR FDM PRINTERS AND 50 MICRONS FOR RESIN PRINTERS TO MAINTAIN HIGH DETAIL.

Q: DO I NEED GLUE TO ASSEMBLE THE TUBES?

A: NO, YOU CAN SIMPLY SCREW THE PARTS TOGETHER. HOWEVER, IF YOU PREFER A PERMANENT BOND, GLUE CAN BE USED.

SUPPORT & COMMUNITY

- **DISCORD**: JOIN OUR COMMUNITY TO SHARE YOUR BUILDS, GET HELP, AND STAY UPDATED. HTTPS://DISCORD.GG/YQGGQ4NK5J



- **SUPPORT EMAIL**: FOR ANY ISSUES, REACH OUT TO US AT **INFOMOJIBAKE@GMAIL.COM**.
- ALL LINKS: HTTPS://LINKTR.EE/MOJIBAKECOLLECTIBLES

CONCLUSION

WE HOPE THIS GUIDE HELPS YOU GET THE MOST OUT OF YOUR EPIC PLAYMAT TUBES!
DON'T FORGET TO SHARE YOUR CREATIONS ON OUR DISCORD OR TAG US ON SOCIAL MEDIA USING THE CAMPAIGN HASHTAG.

HAPPY PRINTING! 🎉

THIS IS **VERSION 1** OF THE GUIDE, AND WE WILL UPDATE IT IN THE FUTURE IF NECESSARY, BASED ON FEEDBACK AND NEW DEVELOPMENTS.

STAY TUNED FOR ANY UPDATES!

EPIC PLAYMAT TUBES VOL1 -->
HTTPS://WWW.KICKSTARTER.COM/PROJECTS/MOJIBAKEMINIATURES/EPIC-PLAYMAT-TUBES

EPIC PLAYMAT TUBES: MASTER OF THE ELEMENTS -->
HTTPS://WWW.BACKERKIT.COM/CALL_TO_ACTION/344077E8-19AA-45A3-BBE8-1DCDEBA95291/LANDING

