

3D Printing Summary

Metrics	3D Printed Braille
Total Print Time (min)	140
Total Number of Components	19
Typical Total Mass (g)	18
Typical Number of Print Setups	19

3D Printing Settings:

Important Notes:

- Ensure all Braille is printed vertically (shown in picture below)
- Print each label individually to eliminate stringing or blobbing in print

Print File Name	Qty	Total Print Time (hr:min)	Mass (g)	Infill (%)	Support (Y/N)	Layer Height/ Nozzle Diameter(mm)	Notes (orientation, special settings, etc)
Nemeth_zero.	1	0:07	.5	20	N	0.2/0.4	Print in orientation given in STL.
Nemeth_one.s	1	0:07	.5	20	N	0.2/0.4	Print in orientation given in STL.
Nemeth_two.s	1	0:07	.5	20	N	0.2/0.4	Print in orientation given in STL.
Nemeth_three .stl	1	0:07	.5	20	N	0.2/0.4	Print in orientation given in STL.
Nemeth_four.	1	0:07	.5	20	N	0.2/0.4	Print in orientation given in STL.
Nemeth_five.s	1	0:07	.5	20	N	0.2/0.4	Print in orientation given in STL.
Nemeth_six.stl	1	0:07	.5	20	N	0.2/0.4	Print in orientation given in STL.
Nemeth_seve n.stl	1	0:07	.5	20	N	0.2/0.4	Print in orientation given in STL.
Nemeth_eight .stl	1	0:07	.5	20	N	0.2/0.4	Print in orientation given in STL.
Nemeth_nine.	1	0:07	.5	20	N	0.2/0.4	Print in orientation given in STL.
Nemeth_divisi on_sign.stl	1	0:07	1	20	N	0.2/0.4	Print in orientation given in STL.
Nemeth_minu s_sign.stl	1	0:07	1	20	N	0.2/0.4	Print in orientation given in STL.
Nemeth_multi plication_sign. stl	1	0:07	1	20	N	0.2/0.4	Print in orientation given in STL.



Nemeth_plus_	1	0:07	1	20	N	0.2/0.4	Print in orientation
sign.stl							given in STL.
Nemeth_deci	1	0:07	1	20	N	0.2/0.4	Print in orientation
mal_point.stl							given in STL.
Nemeth_enter	1	0:07	1	20	N	0.2/0.4	Print in orientation
.stl							given in STL.
Nemeth_grou	1	0:07	1	20	N	0.2/0.4	Print in orientation
nd.stl							given in STL.
Nemeth_reset	1	0:07	1	20	N	0.2/0.4	Print in orientation
.stl							given in STL.
Nemeth_start.	1	0:07	1	20	N	0.2/0.4	Print in orientation
stl							given in STL.

Post-Processing

- If you notice any blobs on the side of the Braille tiles try using a blade to clean up the prints.

Braille is hyper specific so any bumps or abnormalities on the print that could affect readability should be removed.

Customization Options

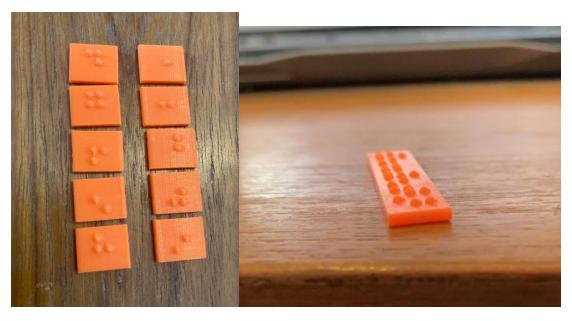
- Braille is standardized so any changes in the model could render the tiles unreadable. Therefore, do not:
 - o Resize the Braille
 - o Alter the model in the slicer
 - Change the Braille dot orientation in any way

Examples of Quality Prints:

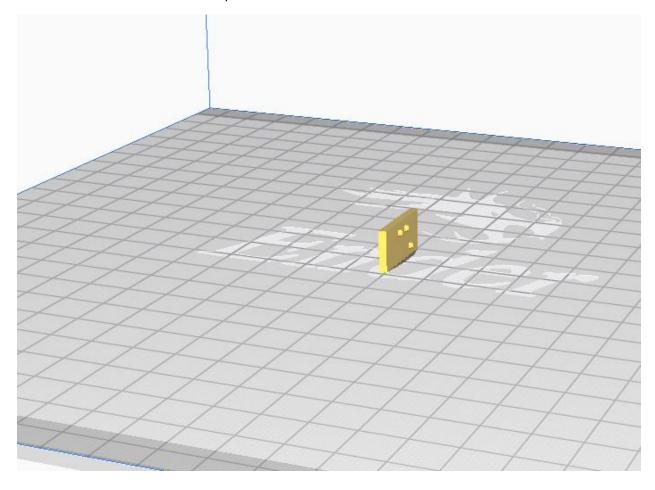
- Below are some photos of acceptable prints and one example of what issues can occur if you print all together



Good Example of Prints Using Above Settings:

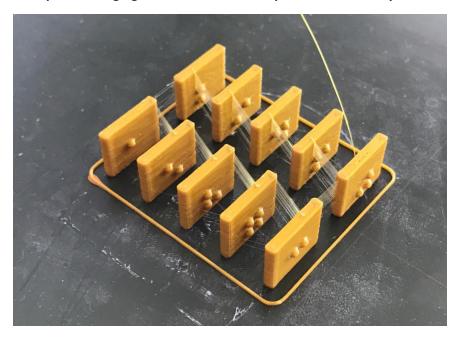


Below is how the Braille should be printed:





Example of Stringing When Printed in Groups Rather Than 1 by One:



This can occur when printed in batches. May not occur on all printers and can be a relatively simple clean up. But to avoid this please print one Braille tile at a time