

Hand-Raiser

3D PRINTING GUIDE



3D Printing Summary

Metrics	HandRaiser with 15mm Snap Hanger	HandRaiser with 20mm Snap Hanger
Total Print Time (min)	69	69
Total Number of Components	3	3
Typical Total Mass (g)	10	10
Typical Number of Print Setups	2	2

3D Printing Settings

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)
Snap_Back.stl	1	0:12	3	20	N	0.2/0.4	Print in orientation given in STL
Snap_Hanger.stl (10mm)	1	0:17	3	20	N	0.2/0.4	Print in orientation given in STL
Snap_Hanger_15mm.stl	1	0:21	3	20	N	0.2/0.4	Print in orientation given in STL
Snap_Hanger_20mm.stl	1	0:21	3	20	N	0.2/0.4	Print in orientation given in STL
Faceplate-Blank.stl	1	0:36	4	20	N	0.2/0.4	Print in orientation given in STL
Faceplate-ATMakers.stl	1	0:36	4	20	N	0.2/0.4	Print in orientation given in STL
Faceplate-Hand.stl	1	0:36	4	20	N	0.2/0.4	Print in orientation given in STL
Faceplate-Adafruit.stl	1	0:36	4	20	N	0.2/0.4	Print in orientation given in STL

Post-Processing

The Hand-Raiser is printed without supports; hence no post-processing is required.

Commented [TO1]: Just a reminder to add author (Neil Squire / Makers Making Change) and library link to footer.

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Customization Options

The Hand-Raiser can be printed with different sized hangers depending on which size works best for the user. There are .stl files for a 10mm (1), 15mm (2) and a 20mm hanger (3), but the .f3d file can be modified to accommodate other sized hangers if needed. The hand raiser can also be printed with different designs on the faceplate. The faceplate can be printed with an outline of a hand (4), an adafruit (5), the ATMakers symbol (6) or plain (7) as faintly shown below. Other customizations include printing the device in different colours.



(1) 10cm Hanger



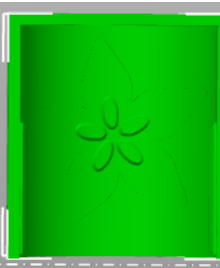
(2) 15mm Hanger



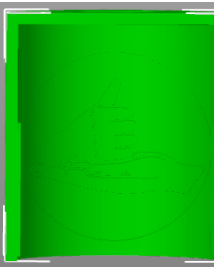
(3) 20mm Hanger



(4) Hand



(5) Adafruit



(6) ATMakers



(7) Blank

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Examples of Quality Prints

Below is a picture of what quality is expected from printing the device.

