



Embroidery sock frame for Brother 4in 10cm hoop

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Summary

Sock embroidery frame for Brother SA432 (4inch 10cm) hoop



0.77 hrs



1 pcs



0.40 mm



0.60 mm



PLA



26 g



Prusa
MK3S/S+ &
MMU2S/3

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Tags: [embroidery](#) [hoop](#) [sewing](#) [brother](#) [4inch](#) [socks](#)
[10cm](#)

Embroidery sock frame is a great tool, but the model needs some tweaks for brother 10cm hoop even after setting the params in OpenSCAD. The most important is that the model needs some room beneath. I made room beneath, strengthened it and a hole for the mouth. Also the embroidable area is highlighted now on the sides of the hole.

I printed it with clear PLA, 0.6 nozzle, 2 perimeters, no top and bottom layers, 10% infill, honeycomb.

Instructions for using this frame are [here](#).

OpenSCAD json params:

```
{
  "parameterSets": {
    "Brother": {
      "BORDER_DIST_LR": "8",
      "CORNER_HOLE_R": "6",
      "EXTRA_SLITS": "false",
      "HOLE_LR": "6",
      "HOLE_X_L": "50",
      "HOLE_Y_L": "60",
      "LIGHT_DESIGN": "false",
      "MODE_3D": "true",
      "MOUTH_DIST": "8",
      "MOUTH_L": "90",
      "MOUTH_W": "6",
      "PLATE_OFFSET": "0",
      "R": "21",
      "RECT_R": "5",
      "ROUNDING_BACK_L": "90",
      "ROUNDING_BACK_W": "3",
      "ROUNDING_FRONT_L": "90",
      "ROUNDING_FRONT_W": "3",
      "ROUNDING_LEFT_L": "125",
      "ROUNDING_LEFT_W": "3",
      "ROUNDING_RIGHT_L": "125",
      "ROUNDING_RIGHT_W": "3",
      "SLIT_BACK_W": "4",
      "SLIT_BACK_X_L": "25",
      "SLIT_BACK_Y_L": "25",
      "SLIT_BACK_dist": "12",
      "SLIT_FRONT_X_L": "30",
      "SLIT_FRONT_Y_L": "70",
      "SLIT_FRONT_dist": "13",
      "SLIT_FRONT_out": "27",
      "SLIT_W": "6",
      "SUBST_Z": "20",
      "TEXT": "false",
      "VERSION": "V0.98",
      "X_L": "134",
      "Y_L": "170",
      "Z": "4.9"
    },
    "Brother2": {
      "BORDER_DIST_LR": "8",
      "CORNER_HOLE_R": "6",
```

```
"EXTRA_SLITS": "false",
"HOLE_LR": "6",
"HOLE_X_L": "50",
"HOLE_Y_L": "60",
"LIGHT_DESIGN": "false",
"MODE_3D": "true",
"MOUTH_DIST": "8",
"MOUTH_L": "75",
"MOUTH_W": "6",
"PLATE_OFFSET": "0",
"R": "35",
"RECT_R": "5",
"ROUNDING_BACK_L": "90",
"ROUNDING_BACK_W": "0",
"ROUNDING_FRONT_L": "90",
"ROUNDING_FRONT_W": "0",
"ROUNDING_LEFT_L": "125",
"ROUNDING_LEFT_W": "0",
"ROUNDING_RIGHT_L": "125",
"ROUNDING_RIGHT_W": "0",
"SLIT_BACK_W": "4",
"SLIT_BACK_X_L": "25",
"SLIT_BACK_Y_L": "25",
"SLIT_BACK_dist": "12",
"SLIT_FRONT_X_L": "30",
"SLIT_FRONT_Y_L": "70",
"SLIT_FRONT_dist": "13",
"SLIT_FRONT_out": "25",
"SLIT_W": "6",
"SUBST_Z": "20",
"TEXT": "false",
"VERSION": "V0.98",
"X_L": "139",
"Y_L": "174",
"Z": "4.9"
},
"fileFormatVersion": "1",
"parameterSets": "",
"parameterSets": ""
}
```

This remix is based on



Embroidery sock frame

by DanielKSchneider

Model files



sock-frame-0-98.3mf

📄 settings for Prusa 2.6.0 alpha 6

Print files



sock-frame-0-98_04mm_46m_pla.gcode

🌀 PLA 📏 0.60 mm 📏 0.40 mm ⌚ 0.77 hrs ⚖️ 26 g

🖨️ Prusa MK3S/S+ & MMU2S/3

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