Knob

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This collection of files produces knobs for Socket head Cap Screws in ANSI sizes 6,8,10,1/4 and 5/16: and metric sizes M3, m4, M6 and M8.

The .stl files are ready for slicing and printing. I used 30% infill with a wall thickness of 0.4mm, top and bottom thickness of 0.7mm

The SolidWorks file , Knob.SLDPRT, Uses design tables to generate the various combinations. If the various combinations do not show up go the configuration tab and double click the specific part you're interested in.

The Excel file, Knob Data.xls, is the data I used to generate the design table.

To attach the knob to the cap screw, insert the head into the central recess and press in using a vice. Be sure to have the knob and cap screw lined up.