



CALIPER BOOTS



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Summary

Turn your precision instrument into something that can measure inside and outside awkward spots with dubious accuracy.

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Every now and then I have some little project that requires measuring somewhere my calipers just can't reach. When that happens I think about ordering a cheap set to do the job, but so far I've forgotten to do that.

These shoes should fit firmly onto most six inch calipers, and possibly will snug onto the tips of larger ones. Tighten them with the little set screws just enough so that they feel secure, but not so much that you strip the thread out of the screw! (There's a spare hole on the other side if that happens!)

Don't pretend these shoes will give you a highly accurate measurement. They won't, but they will certainly give results that are "good enough" if you fit them with a bit of care and the result will be a lot better than proper guesswork.

Each one has a M3 x 4mm machine screw threaded into the side to give a little security, these too need a bit of care as they don't have much "meat" in the threads. The threads are printed initially, and I've found the best way to insert them was to lie them flat on a table and apply pressure to the screw with an Allen key while rotating the shoe.

A gentle clear with a 3mm tap would of course do just as well.

Printed in PLA with variable layer heights (very fine around the threads - I think about 0.08) with a 0.4mm nozzle. Print upright and no supports are necessary.

Model files



caliper-boot-outsie.stl

☐ Print two



caliper-boot-insie.stl

☐ Print two.

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