

ButterLock



Tomas Savigliano

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Summary

Locking mechanism in its isolated form. Meant to be integrated into other projects. Positive and Negative both included.

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Description

Locking mechanism in its isolated form; it's meant to be integrated into other projects. The Positive and Negative both included. The lock is a simple mechanism that has the male part move through a hole, and then make a 90 degree turn to snap locked. Has a barrier element preventing over-turning.

Instructions/How-to

Attach the ButterLock Key model to the part you'd like to carry the male side of the lock, and the ButterLock Negative to the side you'd like to act as the female. The Negative has already been offset from the key by 1mm,

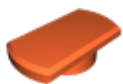
and can therefore just be used directly as a boolean without any further offset.

ButterLock Key is best printed lying flat on its side, as it gives the strongest print. Both can be printed without supports so long as the surrounding model allows for it.

Dimensions

As is, the entire mechanism has a height of 3.5mm and a width of 15mm. It can obviously be scaled, but its mechanism can also easily be edited via included .step files. I'd also be happy to help making any needed adjustments.

Model files



butterlock-key-35mm.stl



butterlock-negative-35mm-height-015mm-offset.stl

butterlock-key-35mm.step

butterlock-negative-35mm-height-015mm-offset.step

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