Summary

This puzzle was heavily inspired by a gif of pacificpuzzleworks slideways puzzle cube. He has since made a thingiverse account and shared his files here:
https://www.thingiverse.com/thing:3073646

3 identical parts that slide together in a satisfying way to create a cube. Once assembled it needs to be held and moved in a specific direction to separate. Clearance between the parts is around .3mm allowing for smooth movement without binding. Since these parts have faces that slide on each other printing in a higher resolution might be beneficial to the tactile feel. This design is intended to be printed without supports utilizing the bridge functions of your printer. I have left some extra tolerance at the bridge location to account for some sagging. Bridge length is 22mm. Cube size at default scale is 45mm.

https://www.youtube.com/watch?v=F_T_tMMpWjQ