Just 3

*Designed by Noah Prettyman, made by Eric Fuller 2018, level 8.*
(Zebrawood, 3 inches square)

The pieces are precisely made, while the puzzle overall is very loose (where in only in some positions can it be stood up without a piece sliding down). Here is what the puzzle maker said:

"Just Three is from the brilliant mind of young prodigy Noah Prettyman. The level 8.4 solution is quite tricky for an interlocking burr with only three pieces. Beautifully crafted from milled zebrawood and maple, this puzzle looks great when solved! Construction is very precise, with a bit of room left for humidity expansion as it's very dry in the workshop this time of year."

Here are six positions in an assembly; note that for the final photo, the left-to-right piece has been offset slightly so that it does not (by gravity) slide down a unit distance: