

2" Non-rotating focus tube?

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I'm part of a team that is building a solar physics instrument. We have two places in the instrument where we need to be able to adjust the spacing between lenses, and the adjustment should not rotate the lenses relative to each other, should have better precision than a simple rail system, and we would like to take the set of lenses out of the instrument as a set without changing the spacing.

I have found a couple of solutions of the type we need e.g. Helicoid barrel. Unfortunately the first set of lenses is 50mm in diameter. The second is 30mm in diameter. The diameter is too large to fit in the barrel solutions I have found.

We would rather not make a custom part on this. Does anyone have some ideas for an off-the-shelf or minorly modified off-the-shelf solution?

Thanks,
JD

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