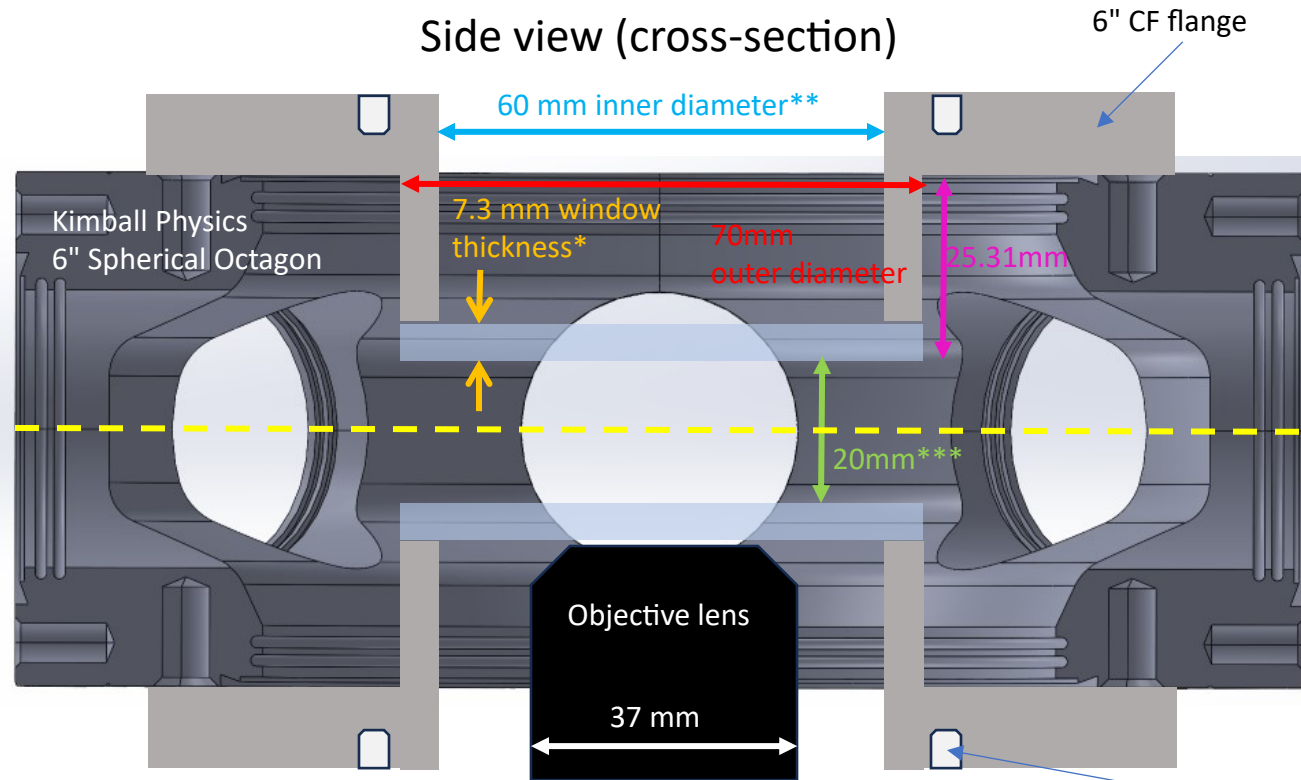


# Custom recessed windows for Kimball Physics 6" Spherical Octagon

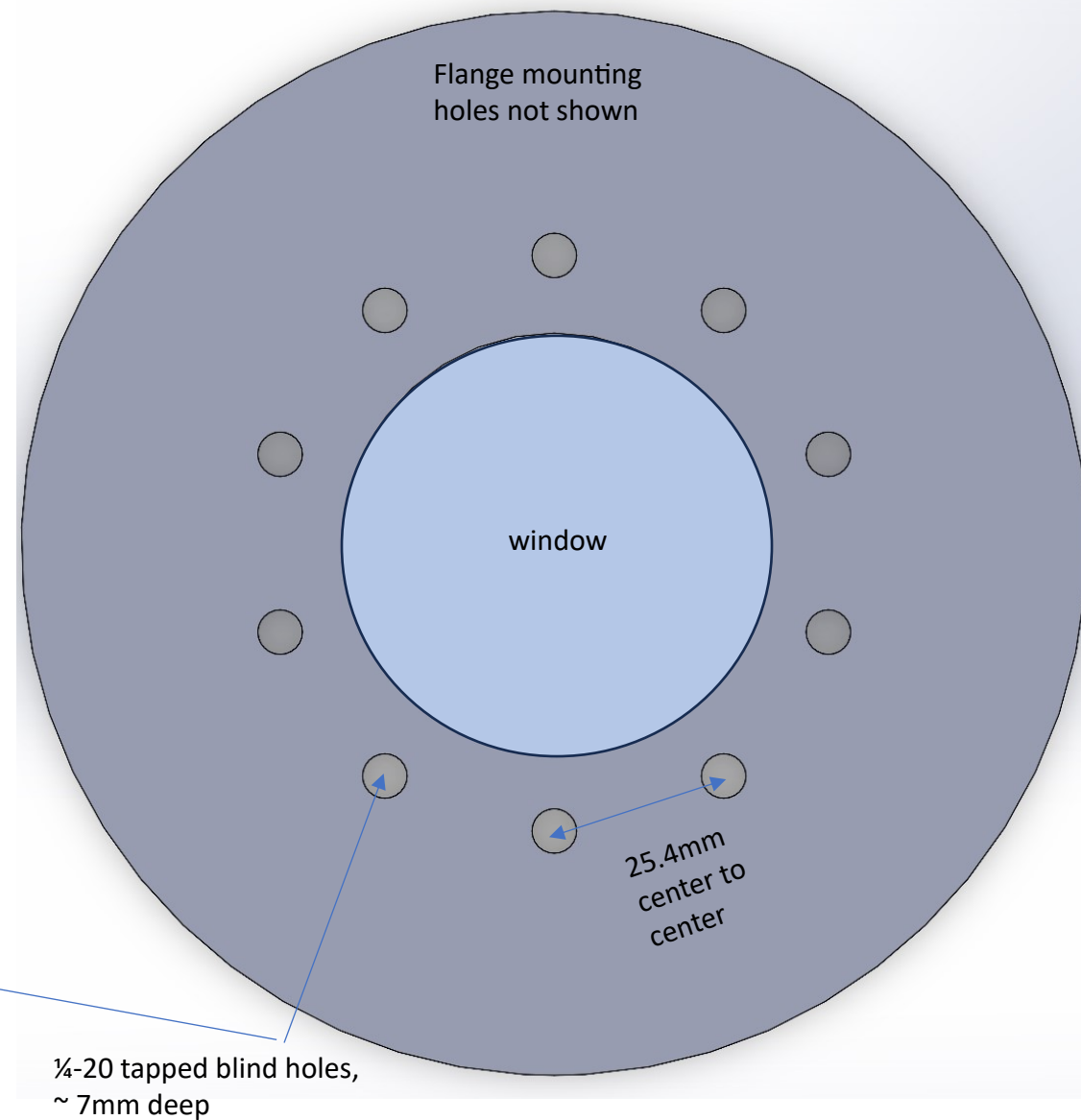
General requirements:

- Non-magnetic stainless steel
- Safe for UHV (1E-10 Torr)
- Broadband AR coating for 400-1100 nm

Side view (cross-section)



Top view



\*window thickness should have equivalent optical path length at 780nm to a 7.3mm thick window of Borofloat 33.

\*\*Inner diameter can be adjusted to make the steel walls as thicker if needed for technical reasons (mounting the glass, etc.), but larger is preferable.

\*\*\*This window separation ensures that each window is 10 mm from the chamber center plane (yellow dashes), which accommodates the working distance of our objective lenses.