

# Custom Tube mount mirror cell, 14 inch, 18 point support

Two adjustable whiffletrees matched to your mirror diameter. Cam action provides fine adjustment,  $\pm .12$  in. - 3mm .004 inch shims are provided

Mounting brackets adjust to fit your tube 17.4 min - 19.25 max Long brackets are available but not recommended

Brackets are machined to match an 18 inch tube I.D.

Position of the support discs is determined with the PLOP program

Totter bar connects two triangles and pivots on a  $\frac{3}{8}$  dia. dowel pin

Triangles are mounted to a spherical bearing, this allows all 3 discs to align to the back side of the mirror and share the load equally

Whiffletrees are solid aluminum and assembled with bronze bushings for free rotation. Two whiffletrees rigidly mounted.

Mirror edge supports are cut to match mirror radius and are mounted on bearings to rotate as temperatures change -eliminates friction on the edge of the mirror

Mirror keepers with felt pad are adjustable to your mirror height, 4 ea.

Surface of mirror support

Mirror edge support is built to match your mirror specs. We will need your thickness, focal length & dia. to calculate the centroid of your mirror

5.49 for mirror 1.33 in thick This dimension is dependant on the centroid of your mirror, mainly affected by mirror thickness

3.89

.80

.50

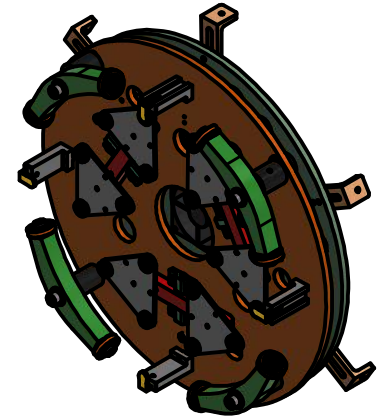
Jack screws for locking

Mid point of adjustment  $\pm .12$

Adjustment knob for collimation

Counter balance weights attached to Totter Bars

1/4-20 threaded holes for mounting



This cell has 4 whiffletree edge supports and traditional clip retainers to capture the mirror. It is suitable for mirror thickness of 1.0-2.0 in. 25-51mm and all focal lengths

Weight is 23lbs, 2 oz - 10.5Kg Shown with optional fan installed

Optional counter balance weights for triangles are available see Website



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Custom 14 tube spec sheet  
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All dimensions are in inches