



521-B Spherical Mount

For alignment telescopes and targets

Mounting flexibility is what you get with the **521-B** spherical mount. It is compatible with any 2¼" alignment telescope or collimator, allowing you to position your telescope in the many orientations your application may require. The spherical mount also functions as a target holder for alignments requiring precision target fixtures. It has three radial setscrews at approximately 120 degree intervals, as well as three "axial" setscrews in a line along the length of the sphere. This allows for accurate and flexible target positioning. Often used with our cup mount 560-2. Conforms to all A.I.A. standards.



Although it may be used in many different mounting configurations, the 521-B Spherical Mount at left is shown holding a 2022 Alignment Telescope in a 5170 base. The highlighted portion shows a 521-B Spherical Mount, a 565 Spring Clamp, and a 560-2 Adjustable Cup Mount.

Specifications

Outside diameter: 3.5000" +0.0005", -0.0000 (88.9mm, +0.013mm -0.000)

Inside diameter: 2.2500" +0.0005" -0.0000 (57.2mm, +0.013mm -0.000)

Concentricity of I.D. to O.D.: 0.0005" (0.013mm) TIR maximum.

Distance from center of sphere to squared face: 1.000" +0.005" -0.000" (25.4mm, +0.127mm - 0.000mm)

Material: Heat-treated steel

Finish: Black oxide

Approx. weight: Sphere, 3 lbs (1.4 kg); shipping, 4 lbs (1.8 kg)

May be used with...

- 560-2 Cup Mount with 565 Spring Clamp
- 705, 705-1, 707 family, 714, and 6130 disk targets
- 5150 and 5170 Alignment Telescope Bases
- 5180 Alignment Telescope Base (discontinued)

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