



Our armillary sundials are sold primarily as garden art, however with a few tweaks and adjustments you can make the sundial more accurate.

Of key importance is to have the sundial (the arrow of the dial) facing celestial north (not magnetic north.) The easiest way to do this is to take the sundial outside at noon and turn it until the shadow of the arrow rod falls on the XII mark. If the shadow is left or right of the XII then you do not have it due north. It is preferable if you set this up as close to the solstice/equinox as possible.

You also want the angle of the arrow to be positioned to match your latitude. For instance, if you live at 40 degrees latitude, then the arrow should be pointed up at a 40 degree angle (measured from an imaginary perpendicular line at the base of the arrow.) Adjustments to the arrow angle are made by loosening and tightening the tension bolt on the sundial base.

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#1334 Solid Polished Brass Armillary Sundial

Assembly Instructions

Included Parts:

- 1 6" dia. brass base
- 1 brass arrow
- 1 brass arrowhead
- 1 11" brass timeband
- 1 $\frac{3}{4}$ circle brass band (already connected to 6" dia base)
- 1 approx 1" bolt with nut
- 1 $2\frac{1}{4}$ " bolt with 2 washers (already screwed into bottom of base.)



- 1) Attach Time band to $\frac{3}{4}$ arc band using the 1" bolt & nut which is already attached to the $\frac{3}{4}$ band. Make sure that the small band which comes attached to the time band is on the outside of the $\frac{3}{4}$ band per the photo above.
- 2) Thread the arrow through the holes on the $\frac{3}{4}$ band and attach the tail feather.
- 3) Using the tension bolt on the top of the sundial base, adjust to your preferred angle and tighten.
- 4.) The sundial is now assembled. You only need the long bolt if you're attaching the dial to a Rome pedestal base.

