



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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#1339 Cast Iron Armillary Sundial

Assembly Instructions

Included Parts:

- 1 brass arrowhead
- 1 brass tailfeather
- 1 brass arrowrod
- 2 brass balls
- 1 cast iron 6" base
- 1 cast iron full circle band
- 1 cast iron time band
- 1 cast iron 1/2 moon band
- 1 long bolt and 2 washers



- 1) Place the time band into the cut out space in the circle per the photo. Connect the 2 sections using the 1" bolt in the hole in the center of the "XII"
- 2) Place the circle & time band in the slot of the base & hand tighten.
- 3) Thread the arrow through the two holes in the full circle band. Slide a brass ball on the top end of the of the arrow rod & then screw on the arrowhead until secure.
- 5) Using the 2 1/2" screws, attach the 1/2 moon to the time arc per the photo.
- 6) Slide the 2nd brass ball onto the bottom section of the arrow & then attach the tailfeather.

The sundial is now assembled. You only need the long bolt if you're attaching the dial to a Rome pedestal base.

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