

## Scope Roller Sleeve Version Instructions (Standard Model)

Instructions? How complicated is this? Not very, but even smart people sometimes make mistakes.

### Dimensions

As you can see, these are in the form of a sleeve that fits over the smaller leg insert of your tripod. The interior of the sleeve is either 1.39" (for the Celestron NexStar), 2.39" (for the Celestron Super Heavy Duty tripod), 1.65" (for the Meade 2080 tripod), 1.715" (for the Synta EQ6 or Orion Atlas tripods), 1.75" (Celestron CPC 800 tripods), 1.51" (for the Celestron model 93497 tripod), 1.69" (for the Meade LX tripod), or 2.52" (for the Meade Giant Field Tripod). If your tripod legs have been beaten, bruised, or dropped, you may find that there are dings, burrs, and lumps that make it a struggle to fit the leg inside the sleeve. To make sure that the problem is specific to that leg, try the sleeve on another leg. A little sandpaper on the outside of the leg will almost certainly solve the problem.

### Installation

1. Make sure that the bolts on each sleeve are backed out enough to easily slip the sleeve onto the tripod leg.
2. Remove the feet from the end of the tripod if possible.
3. Make sure that enough of the inner leg insert of your tripod is exposed to slide into the sleeve.
4. The caster assembly should be level to the ground before you tighten the bolts in the sleeve. You might want to use a level to be sure.
5. Tighten all of the bolts enough that you don't worry about them rotating on the tripod leg. Finger tight might work for a few days or a few weeks; I really encourage you to use a small wrench to make sure that they aren't going to let go. But don't overtighten—the legs on some of these of tripods may bend or dent if you overdo it.
6. If you don't mind making a permanent change to your tripod legs, remove the screws one at a time, and drill a hole (either 1/4" or 3/8" depending on the model) through the screw hole into the leg, and then put the screws back in position. This will make the sleeves very secure.



## Use & Warnings

Each caster has a wheel brake. Press down on one side of the brake with your foot to lock the wheel; press down on the side to unlock it. We recommend that you use the wheel brake only where you are concerned about the mount rolling down a slope, or if there is risk that someone (children, unobservant adults) or something (large pets or livestock) may run into it. Even on slopes of as much as ten degrees, we have not had a problem with mounts moving on their own. There is also some slight risk that if you forget to unlock one caster, and push forcefully at the top of the mount, you *might* cause the entire mount to fall over because one caster is locked. It isn't likely, but we figured that we better warn you.

These casters are intended for use on solid surfaces, such as concrete, asphalt, and hard packed earth or gravel. We do not recommend using them on sand, dirt, or uneven surfaces—although you may find that they work fine under your particular conditions. The casters are rated by the manufacturer at 110 pounds capacity each, so a mount, tripod, and optical tube assembly weighing a total of 120 pounds should not be a problem—and this much weight would be far in excess of what your mount and tripod is designed to support. The casters are not intended to support severe shocks, such as dropping the entire mount several feet onto concrete.

The casters add approximately 3.25" to 3.50" to the height of your mount. If your mount is on a slope (such as when rolling down a driveway), it is *possible* that the extra height may move the center of gravity sufficiently to increase the risk of tipping. Cow-tipping is a common rural sport, but mount-tipping is not recommended. When rolling your mount, make sure that you hold the mount securely to prevent tipping.

## Construction

The casters and legs are made in the United States of America.

Comments, requests for technical assistance, and suggestions should be directed to:

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