

Scope Roller Square Sleeve Version Instructions (Deluxe & ZeroMotion Models)

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 square or rectangular sleeve that fits over the smaller leg insert of your 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 bolt on each sleeve is backed out enough to easily slip the sleeve onto the tripod leg.
2. Remove any removable feet from the end of the tripod if possible. (For the Losmandy tripod, this is held in place by a bolt and a nut.)
3. Make sure that enough of the inner leg insert of your tripod is exposed to slide into the sleeve.
4. Tighten the bolt on the underside of the sleeve enough that you don't worry about them slipping off the tripod leg in the event you suddenly lose gravity. If your tripod leg is wood, finger tight is all you want, to avoid marring the wood. Do not overtighten, and you certainly will not need to use a wrench.

Use & Warnings

Each caster has a wheel and caster lock. Press down on the lever with your foot to lock the wheel. At first, you will probably have to pull up the lever with your fingers to unlock it. With use, the mechanism will loosen up enough for you to unlock it by pressing on the top with your foot. The wheel and caster lock will not prevent all motion on the Deluxe version—but you will find that even vigorous shaking of the mount will not cause it to move very much, and it will return to its original position. The ZeroMotion version, as the name implies, should be completely motionless, unless you shake it so vigorously that the wheel moves across the ground.

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 Deluxe version with the larger wheels is a little more capable on such surfaces.) The casters are rated by the manufacturer at 280 pounds capacity *each* (for the Deluxe version) or 220 pounds (for the ZeroMotion version), so as long as you keep the load below three times that load, you should

have no problems. The casters are not intended to support severe shocks, such as dropping the entire mount several feet onto concrete. (And neither is your telescope or mount!)

The casters add approximately 7" to the height of your mount (for Deluxe) or 5" (for ZeroMotion). If your mount is on a slope (such as when rolling down a driveway), it is *possible* that the extra height may raise the center of gravity sufficiently to increase the risk of tipping. When rolling your mount, make sure that you hold the mount securely to prevent tipping.

Construction

The sleeve assemblies are made in the United States of America. The casters for the Deluxe version are made in the USA; the casters for the ZeroMotion version are made in Germany.

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

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