

# Orion® RockStable™ Anti-Vibration Pads



**Figure 1.** The RockStable anti-vibration pad

Orion RockStable tripod anti-vibration pads add stability to your telescope's mount to enhance your observing activity. Your mount can receive unwanted vibrations from such commonplace events as a gust of wind, a foot stomping too closely to the tripod leg, a hand inadvertently hitting the optical tube, even focusing! These vibrations take time to subside and can make the object you're observing "jiggle" in the scope's field of view, or totally ruin an astrophotograph.

The RockStable anti-vibration pads are vibration absorbing islands directly under your tripod's legs. The top central portion of the pad "floats" on top of a special material that is visco-elastic (meaning it acts with both liquid and solid properties). This material absorbs shocks and impacts extremely well. When anything disturbs your telescope, the vibration is transferred into the visco-elastic material and is converted into a small amount of heat, instead of reflecting off the ground and back up the tripod leg. If a disturbance occurs on the ground near the telescope, the vibrations never even reach the tripod leg. The result is a significant reduction in duration of vibrations.

## One-Year Limited Warranty

This Orion product is warranted against defects in materials or workmanship for a period of one year from the date of purchase. This warranty is for the benefit of the original retail purchaser only. During this warranty period Orion Telescopes & Binoculars will repair or replace, at Orion's option, any warranted instrument that proves to be defective, provided it is returned postage paid. Proof of purchase (such as a copy of the original receipt) is required. This warranty is only valid in the country of purchase.

This warranty does not apply if, in Orion's judgment, the instrument has been abused, mishandled, or modified, nor does it apply to normal wear and tear. This warranty gives you specific legal rights. It is not intended to remove or restrict your other legal rights under applicable local consumer law; your state or national statutory consumer rights governing the sale of consumer goods remain fully applicable.

For further warranty information, please visit [www.OrionTelescopes.com/warranty](http://www.OrionTelescopes.com/warranty).



**Figure 2a.** Place the pad under the tripod leg with one "foot" facing the center of the tripod.



**Figure 2b.** Make certain the tripod leg rests in the exact center of the pad.

## Installing the RockStable Anti-Vibration Pads.

RockStable anti-vibration pads (**Figure 1**) can be used with any telescope tripod or camera tripod, large or small. They will work on any flat surface: gravel, grass, dirt, asphalt, wood, and concrete. RockStable anti-vibration pads will not reduce vibrations caused by poorly engineered mounts or tripod heads. If other significant vibrations persist when using these pads, there may be other mechanical problems with your mount.

1. Set up your telescope and tripod as you normally would.
2. If your tripod has rubber ends on the bottom of its legs, remove them.
3. Lift one tripod leg about 3" off the ground and place an anti-vibration pad under the leg. Make certain that one "foot" of the anti-vibration pad faces the center of the tripod. (**Figure 2a**)
4. Lower the tripod leg onto the center of the anti-vibration pad. (**Figure 2b**).
5. Repeat this process for the other two tripod legs.

## Cleaning the RockStable Anti-Vibration Pads

You can clean all parts of the RockStable anti-vibration pads with a mild dish detergent. The visco-elastic material can also be cleaned using isopropyl alcohol, if needed.



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