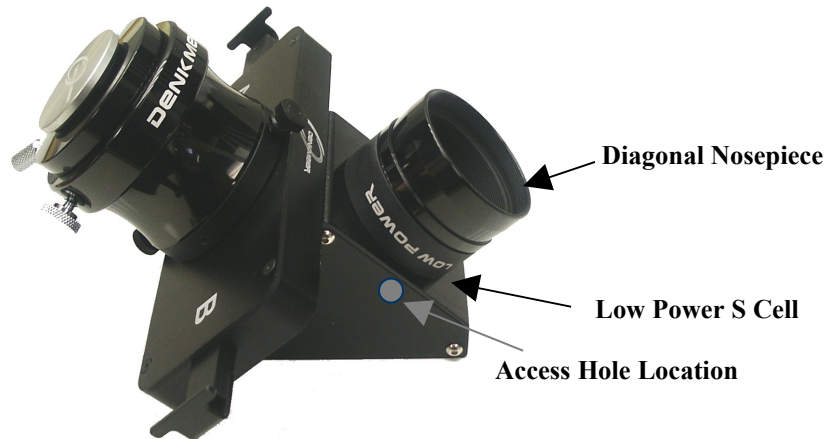


## Locking In The Diagonal Nosepiece Or Low Power Cell

The Denkmeier Power x Switch Star Diagonal #R1 Un-Lock feature provides a means to prevent the nosepiece on the telescope-side of the diagonal from unscrewing. This can happen when the weight of a binoviewer or heavy eyepiece makes either the diagonal nosepiece or the Low Power S Cell unthread. This causes the diagonal to rotate due to the additional mass. The diagonal nosepiece on the telescope-side may loosen and cause the diagonal to rotate downward. Since Diagonal #R1 also uses the Low Power S Cell in place of the nosepiece on the telescope-side, this locking method will function also and prevent unwanted rotation from occurring. *Note:* The hex screw never needs to be removed. It only should be backed away from the diagonal nosepiece or Low Power S so that those parts may be unthreaded. The hex screw can then be threaded inward again so that it is snug against either the diagonal tube or Low Power S Cell. Only slight force is required to prevent either part from accidentally loosening.

Note:

In the other diagonals (#S1, #S2, and #R2) an internal locking screw is already set in the locked position and access can be achieved only by removing the side panel of the star diagonal. No quick method is provided because the nosepiece of the star diagonal never needs to be removed.



**Power x Switch Star Diagonal #R1**

A 1.5mm hex tool is provided. This is used to un-lock the hex screw by turning the screw a small amount, counter clock-wise. This will allow the diagonal nosepiece to be removed and then the Low Power S Cell can be threaded into the diagonal directly. The hex screw then should be tightened again to lock in the Low Power S. *Note:* The hex screw never needs to be removed. It only should be backed away from the diagonal nosepiece or Low Power S so that those parts may be unthreaded. The access hole is shown on left side of diagonal for illustration purpose only, and may actually be located on the right side. The 1.5mm hex tool is commonly obtained in any hardware store in the event that it is misplaced. The access hole does not allow dust or moisture to enter the mirror containing area of the star diagonal. While the hex screw may leave a small mark on the threads of the nosepiece or Low Power S Cell in one tiny area, this will not effect the ability of either part to smoothly thread in and out of the star diagonal housing. There is no need to torque the hex screw tightly. After making contact with the nosepiece or Low Power Cell, a slight additional inward movement of the hex screw in order to create a “snug” contact point is all that is necessary.