

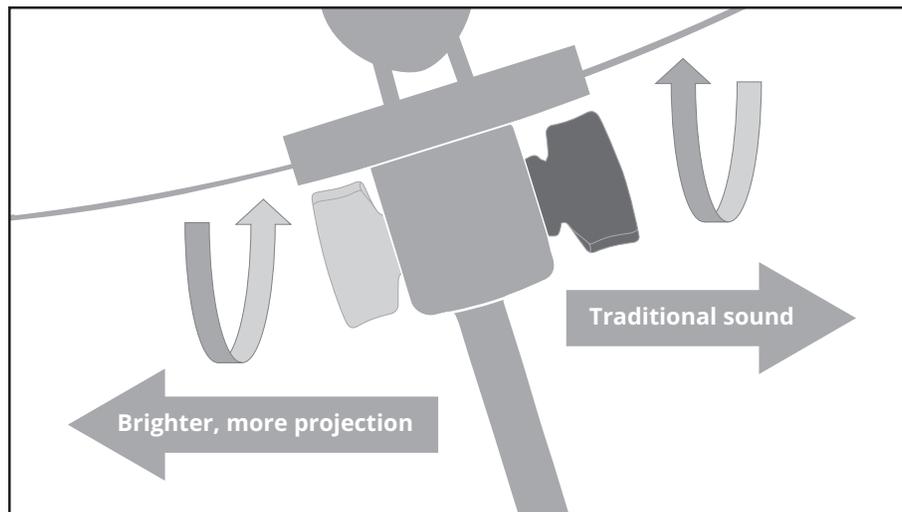


THE KRENTZ ENDPIN

Overview: The Krentz Endpin features two personalities for your cello: the most projecting endpin you can buy (the Bright Knob) and a more traditional sound (the Dark Knob). There is a small learning curve for life with your new endpin. Please read all of these instructions and troubleshooting for your best satisfaction.

Each knob pulls the rod towards its side of the socket and holds it in place for the desired sound. The alternate knob must be loosened sufficiently to allow the rod to be pulled towards the desired knob and hold in place. After it is held in place, spin the alternate knob until it just meets resistance and then another 1/32nd of a turn to keep it from rattling.

To Use the Bright Knob after using the Dark Knob: 1. Loosen the Dark Knob about 6 turns or until it is loose enough to see screw threads. 2. Tighten the Bright Knob. 3. Spin the Dark Knob tighter until it connects and then an 1/32nd turn more so it won't rattle. (Tip: The knobs are hefty and the screw threads are waxed to allow you to just give the knob a quick spin to save time).



To Use the Dark Knob after using the Bright Knob: 1. Loosen the Bright Knob. 2. Gently tighten the Dark knob. 3. Spin the Bright Knob tighter until it just connects and then a 1/32nd turn more so it won't rattle. (Tip: Because the rod is clamped into rubber on the 'Dark Side', you need only give it about 2 to 3 turns after first feeling it touch the rubber to hold it in place. However, some people notice a difference in sound between a loosely connected rod, 2-3 turns, or a tightly connected rod, 4-5 turns.)

To Use the Dark Knob after using the Dark Knob: Treat the endpin like it doesn't have two knobs and only loosen, re-adjust the rod length, and then tighten. There is no need to touch the Bright Knob.

To Use the Bright Knob after using the Bright Knob: Treat the endpin like it doesn't have two knobs and only loosen, adjust the rod length, and then tighten. There is no need to touch the Dark Knob.

Tip: After the initial fun of playing with the different characters of Bright and Dark Knobs, most players find that their most normal situation calls for the same knob most of the time. In this case, the player can choose to rotate the entire endpin socket in the cello for easier access to the Knob they use most.

Tip: Most players like the tone of the Dark Knob in a small space. But keep in mind that our research shows that the Bright Knob is preferred most by listeners in larger or louder spaces. It's like standing next to an opera singer: not so beautiful in a small space, but all that brilliance is necessary for larger spaces.

Patina: The brass components of the endpin will develop a patina over time. This is normal and an intentional design feature. In particular, the blackened brass knob will lose some of its blackening where it is touched most over time. This is normal.

TROUBLESHOOTING

The rod is difficult to pull in and out of the socket: Pull the rod completely out of the socket and use the side of a pencil tip to apply as much graphite as possible to the last 6-8 inches of the rod. Do not use another lubricant like oil or WD-40. Re-install those inches into the socket and rotate and plunge the rod back and forth to apply the graphite to the internals of the socket. Check for smoothness and repeat until relatively smooth.

The rod feels loose and moves around when the knobs are loose: This is inherent in the design of the endpin. It may help to pull the rod towards the Bright side as you slide it in and out to keep it off the rubber insert inside the socket. As long as the rod doesn't move when the knobs are tight, any extra movement than a traditional endpin is normal.

When completely out, the rod is hard to get back in: On the Bright side of the socket, the Krentz endpin is designed to tighten against a raised bracket at the two ends of the socket rather than along its length to drastically increase rigidity. Once you insert the endpin initially, angle it towards the Dark Side to clear the small bracket.

The rod is slipping: Make sure the alternate Knob is loosened enough that the Knob you are trying to tighten can tighten properly.

The rod is slipping only on the Dark Knob side: Tighten it a bit more? If that doesn't work, the rubber insert may have too much graphite, dust, skin oil or whatnot on it. Remove both knobs and washers, including the rubber washer on the Dark side and pull out the steel barrel bolt. Take a mental picture of how they were assembled. Remove the two screws in the end cap of the socket. Using something like a pencil or pen, pull out the rubber insert and wash it with soap and dry. Re-insert it and re-assemble the socket. If the rod seems difficult to pull in and out, see troubleshooting.

Something is buzzing!: Make sure the alternate Knob is just barely tightened so it won't rattle.

The tungsten carbide tip is dull: Wow, you must really be hard on endpins! You can order a new tip from Krentz String Works.

The brass tip is loose on the rod: Use a block of wood to slide against the rod and knock it off completely. Apply some superglue to the inside of the brass tip and press it on. Let it dry without moving it for the best results.