RAKO STUDIOS

Toss, the Kyocera electric sharpener

The Kyocera diamond hone electric knife sharpener is powered by four AA batteries. They don't have the power needed.

The battery door of the Kyocera diamond electric knife sharpener notes that it takes four alkaline batteries. I don't use disposable batteries, so I put in four rechargeable NiMH batteries. That battery chemistry has a full-charge voltage of 1.2V. An alkaline battery has a full-charge voltage of 1.5V.

So maybe with four alkaline batteries and an operating voltage of 6 volts, this sharpener might have enough power to not keep stalling as I gently ran the blade though. The thing is, both battery systems have a discharged voltage of 0.9 V. So that means as soon as the alkaline cells get a little use, they will be just as lame as the rechargeable ones I show in the video. It is just too hard to keep the motor turning.

Note that when the sharpener stalls out, it is with a very light pressure. Even the weight of the knife will cause it to stall. The diamond wheels are rubber-mounted, so they should allow at least the most modest pressure needed to get a good edge. Going slow, going fast, nothing made a difference. I just don't have the motor coordination to keep pulling up on the knife as it barely touches the diamond wheel.

My next electric sharpener will plug into the wall. I am looking at Presto and Chef's Choice sharpeners. I will do a video about those soon.

My buddy's Amazon Affiliate link:
Kyocera Advanced Diamond Hone Knife Sharpener for Ceramic and Steel Knives