Slightly uneven bevels

Posted by Jet B - 25 Aug 2012 00:00

I seem to be getting slightly uneven bevels when I reprofile a knife. I use the sharpy method and remove metal until I'm at the edge but it always seems to remove more from the right side. It is a very slight but noticeable amount.

Just wondering if this is likely due to less than perfectly true mounting or are my angle adjustments off a bit? I do notice that when I set it to say 20 degrees I can see the line on one side but the line is covered on the other but both are firmly in the notch. Am I expecting too much accuracy from the equipment?

I do not have an angle cube, but I always try to measure the angle with my iphone and the ihandy app. It always tells me the angles are around a degree off but I have just assumed the iphone isn't accurate... Maybe it is off though? Could my drilled notch holes be a degree off on one side?

Do I need to splurge and get the new arms and angle cube to be able to set perfectly accurate angles?

I just don't want to remove any more metal from my new Spyderco Tuff trying to make these bevels perfect if I'm fighting an uphill battle and just wasting this valuable metal.

Thanks for any insight.

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Re: Slightly uneven bevels

Posted by Allgonquin - 31 Aug 2012 11:07

If I want to match a factory bevel, be it reasonably symmetrical or not so much, I always "sharpie" the edges, set up the WEPS angles at a guess to match the edge, and then make a light pass or two with the 1000 grit stone to see how well it matches the edge. Then I adjust the angle to get the most coverage of the edges, i.e. the most ink removal on each side. The I go back and work the progression from coarse to fine.

Rgds,

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