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 cbwx34 - 25 Aug 2012 12:46

Cool. I just thought it was worth mentioning in this thread, especially when others start posting "mine are uneven too", that it may be a factor of the knife... not the sharpener.

Measuring angles with the cube will eliminate the "offset" error, if there is one.

Maybe you can get Clay to mark the box "Medical Supplies" or "Car Parts" or something, so the wife won't no what it's for.

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Re: Slightly uneven bevels
Posted by Jet B - 30 Aug 2012 13:57

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It has all worked out in the end. I convexed my Tuff by hand with some sandpaper and a cheap mousepad. (I really like convex edges, they hold better for hard use).

Before I use my WEPS again to touch up my V edges, I will make sure I have an angle cube at least. Most likely I will pick up the new arms too once they have been tried and tested some more.

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Re: Slightly uneven bevels
Posted by KenBuzbee - 30 Aug 2012 14:17

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Jet B wrote:

Problem is, every time I spend money on my knife hobby my wife seems to think she gets to buy a new purse! Haha.

Problem? I do that on purpose to maintain harmony (in our case, it's jewelry, but the concept is the same) In fact, I do it proactively. Kind of a preemptive first strike;)

Ken

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Re: Slightly uneven bevels
Posted by Jet B - 30 Aug 2012 14:47

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Well... I am taking her to Mexico for 10 days on a holiday in October.

You just made me realize I should buy some knives and stuff while my brownie points are still active.

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Re: Slightly uneven bevels

Posted by Allgonquin - 31 Aug 2012 11:07

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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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