Depth Key Question
Posted by Jimbo1 - 28 Aug 2011 21:07

I have a Pro Package on order and was looking at the online instructions which raised a question. When setting up the knife they state the back of the knife should rest on the two pins. Then, while watching the Youtube video of Clay sharpening a Spyderco Paramilitary 2 it clearly shows in the close up the back of the blade is at angled in relation to the Depth Key holes contrary to the online instructions.

Am I correct in assuming for regular knives like kithen knives where the cutting edge is close to being parallel with back of the blade that the back of the knife should rest on the pins? But for knives like Spyderos the blade should be set up with the cutting edge close to parallel to the base plate regardless if the back of the back of the blade rests on the pins or not?

==========

Re: Depth Key Question
Posted by wickededge - 29 Aug 2011 08:41

Jimbo1 wrote:

I have a Pro Package on order and was looking at the online instructions which raised a question. When setting up the knife they state the back of the knife should rest on the two pins. Then, while watching the Youtube video of Clay sharpening a Spyderco Paramilitary 2 it clearly shows in the close up the back of the blade is at angled in relation to the Depth Key holes contrary to the online instructions.

Am I correct in assuming for regular knives like kithen knives where the cutting edge is close to being parallel with back of the blade that the back of the knife should rest on the pins? But for knives like Spyderos the blade should be set up with the cutting edge close to parallel to the base plate regardless if the back of the back of the blade rests on the pins or not?

That's a great question! I rarely set up a knife like that, it's almost exclusively with Spyderco blades that go from such a large width to a small with over a short run. There are two reasons I mounted it that way: 1) to keep the tip close enough to the clamp so that the bevel stays even along the blade, I have to tilt it up so that the tip is high enough above the clamp that the tops of the Vise Jaws don't interfere w/ the stones. 2) It works really well to rotate those blades upward since they don't have a lot of curvature along the cutting surface and it's easy to see when they are level. I usually get them level to the eye and then align them to some marking on the blade so I can repeat on the future.

==========

Re: Depth Key Question
Posted by Jimbo1 - 29 Aug 2011 19:33

Thanks Clay. That is what I was thinking. Since I have several Spydercos I will learn to set them up by eye to get them level and use the pins for my other knives.

==========

Re: Depth Key Question
Posted by Salguod - 30 Aug 2011 11:11

_____

I'm having one of those moments! Wisdom comes to some slowly, yet sometimes it still manages to arrive. 🙂

This makes sense for over half the knives in the Spyderco catalog and many other knives as well. "Put the blade in the clamp so that the straight part of the edge is level". This would minimize the change in the bevel angle due to curves at the tip. It also makes sense for a recurved blade. It makes sense for ANY blade where the spine is not parallel to the majority of the edge. In fact, I wonder if the instructions should read "Tilt the knife in the clamp so that as much of the edge as possible is level with the WEPS base". Or perhaps this should just be in the "advanced user tips" part of the instructions? I do see the simplicity and repeatability of just putting the spine against both pins and that method is going to be fine for most knives. But it is going to be less than optimal for any knife where the spine isn't close to parallel with the edge.

Or am I placing too much importance on the edge being level? Am I once more in need of additional time to acquire wisdom?

==========

Re: Depth Key Question
Posted by wickededge - 30 Aug 2011 12:38

_____

Salguod wrote:

I'm having one of those moments! Wisdom comes to some slowly, yet sometimes it still manages to arrive. 🙂

This makes sense for over half the knives in the Spyderco catalog and many other knives as well. "Put the blade in the clamp so that the straight part of the edge is level". This would minimize the change in the bevel angle due to curves at the tip. It also makes sense for a recurved blade. It makes sense for ANY blade where the spine is not parallel to the majority of the edge. In fact, I wonder if the instructions should read "Tilt the knife in the clamp so that as much of the edge as possible is level with the WEPS base". Or perhaps this should just be in the "advanced user tips" part of the instructions? I do see the simplicity and repeatability of just putting the spine against both pins and that method is going to be fine for most knives. But it is going to be less than optimal for any knife where the spine isn't close to parallel

with the edge.

Or am I placing too much importance on the edge being level? Am I once more in need of additional time to acquire wisdom?

I'm inclined to put it in the advanced user tips area. A great project might be to start building a library of knives with suggested angles and settings in the sharpener.

==========

Re: Depth Key Question
Posted by EdwinLurvey - 30 Aug 2011 14:05

_____

A great project might be to start building a library of knives with suggested angles and settings in the sharpener.

I think you could do this as a user created database on this forum.

==========

Re: Depth Key Question
Posted by wickededge - 30 Aug 2011 14:30

_____

EdwinLurvey wrote:

A great project might be to start building a library of knives with suggested angles and settings in the sharpener.

I think you could do this as a user created database on this forum.

As of this morning, the webmaster is starting to create a Knife Wiki for that purpose. The idea is that users can log in and add their knives so it's constantly growing.

==========

Re: Depth Key Question
Posted by Salguod - 30 Aug 2011 14:34

_____

Wow! That was quick! Bravo!

==========

Re: Depth Key Question
Posted by EdwinLurvey - 30 Aug 2011 18:18

_____

wickededge wrote:

EdwinLurvey wrote:

A great project might be to start building a library of knives with suggested angles and settings in the sharpener.

I think you could do this as a user created database on this forum.

As of this morning, the webmaster is starting to create a Knife Wiki for that purpose. The idea is that users can log in and add their knives so it's constantly growing.

NICE!

==========

Re: Depth Key Question
Posted by dschur - 30 Aug 2011 19:05

_____

Nice. I am in, but I will want to rethink some of my settings. I have learned on all of my spydercos that I initially clamped too rearward (in an attempt to grab the choil that was not FFG) and neglected the sweep at the front of the blade that is all important IMO, resulting in a broader bevel towards the front. I started in later knives to compensate by clamping more forward, or with better results for me, tipping the tip up a little to compensate:

Knife Depth Position Angle

Spyderco Military CF S30V 2 B.5 15

Spyderco Navaja CF S30V 2 C 15

Spyderco Superleaf CF VG-10 2 B 15

Spyderco Manix 2 CF CTS-XHP 2 B.25 15

Spyderco Paramilitary 2 CF S90V 2 B.5 15

Spyderco Stretch 2 CF ZDP-189 2 B 15

Spyderco Sage 1 CF S30V 1 B.5 15

Spyderco Lum Chinese CF VG-10 2 A.5 15

Spyderco Caly 3 CF ZDP-189 1 B 15

Spyerco Chaparral CF S30V 1 B 15

Spyderco Kiwi CF VG-10 1 A.5 15

Lone Wolf Lobo CF S30V 1 B 15

Kabar NextGen 440A 2 C.5 18

Leatherman Charge TTi S30V 1 A.5 15

The tipping that I do is not captured in a measurement though. For me it is more of an eye thing verified with a sharpie.

==========