Drill collar variation

Posted by Mikedoh - 04 Dec 2012 10:48

I have an Edge Pro in addition to the WEPS. When changing stones that may be of different thicknesses, a drill collar is used in the set up as a reference point on the angle adjustment rod. Once set for a chosen angle, it makes for very easy and quick stone changes and maintains the angle regardless of stone thickness.

Wondering if a similar idea can be applied to the WEPS. I have some thoughts, but the way stones are attached to the handles complicates things.

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Re: Drill collar variation

Posted by Billabong - 05 Dec 2012 03:02

Mikedoh wrote:

a drill collar is used in the set up as a reference point on the angle adjustment rod.

I have some drill collars (depth stops) here and one does the job nicely. (12mm)

Slightly larger than it needs to be (10mm doesn't quite fit), but an imperial set might have a smaller, tighter fitting size? (7/16"?)

Or drill out the 10mm.

If you want to buy something pre-manufactured, then you are set.

Even though the collar is round, the set screw pulls it tight against the flat surface of the rod.

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Re: Drill collar variation
Posted by Mikedoh - 05 Dec 2012 05:23

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Thanks Billy

I'd wondered if one would fit, and figured it would.

Don't know if my thoughts here will be of any help with normal WEPS double sided paddles or not, but I think it will work nicely

for my purposes. I want to be able to use the nice stones I already have.

I appreciate you taking the time to check that out.

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Re: Drill collar variation
Posted by cbwx34 - 05 Dec 2012 08:55

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I don't think the purpose of the stop collar is fully understood here… once you do, I'm guessing your creativity (Chris) will come up with something. 🙂
You need more then just attaching the collar to the arm.

On the EP, the collar is used to compensate for changes in stones that vary in thickness. To use it, you set the angle you want to sharpen at, like setting the arm on the WE. Then with your finish stone, you hold it against the arm, and push the collar against it. (So when you finish you're at your sharpening angle). Once that is set, you tighten the collar.

Then when you use stones that vary in thickness, you leave the collar locked, and adjust the arm. So, for example, if a stone was really thick, and you didn't move the arm, you would be sharpening at a lower angle. But, when you use the collar, you set the stone against the collar, which requires you to move the arm out… the result is you're still sharpening at the same angle. (This is why it has to be in front of the arm).

The problem with the WE, is fitting the stone in between the arm and the collar, especially at the smaller angles. You actually have to fit just the stone (and you could use the plastic edge since it's consistent) in between the collar and the arm, not the entire paddle, (but the paddle gets in the way if that makes sense).

Hope that makes sense, if not let me know!!

(I think there might be a concept that works similar, but moves it away from trying to fit the stone between a collar and the arm, since the space between the arm and the clamp is too small to fit the paddle there.)

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Re: Drill collar variation
Posted by Billabong - 05 Dec 2012 20:21

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cbwx34 wrote:

I don't think the purpose of the stop collar is fully understood here… once you do, I'm guessing your creativity (Chris) will come up with something.
You need more then just attaching the collar to the arm.

You're right, I need to do some research.

Hope I don't get an obsession with that one also.

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Re: Drill collar variation
Posted by xuzme720 - 05 Dec 2012 20:26

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OOHHHH!!!! you're thinking of using the collar just like on the EP. I thought you were wanting a reference to change the arms quickly, such as only one or 2 thicknesses....Gotcha.

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Re: Drill collar variation
Posted by Billabong - 05 Dec 2012 20:33

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xuzme720 wrote:

OOHHHH!!!! you're thinking of using the collar just like on the EP. I thought you were wanting a reference to change the arms quickly, such as only one or 2 thicknesses....Gotcha.

I think cbw is, I was thinking like you.

I haven't used an EP yet, might investigate some.

There is a big thread on them in a forum where I haunt, seem popular in Aussie land.

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Re: Drill collar variation
Posted by Mikedoh - 05 Dec 2012 21:17

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Yep Billy, the Aussies, or at least one is fond of the EP (Madrookie).

I had trouble, depending on how the knife blade is structured, keeping the knife "flat" so that the angle was consistent .

I've been able to get arm hair shaving results for a long time free hand, but was looking for the ultimate way to get quick, repeatable results. Place OCD diagnosis here.

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Re: Drill collar variation
Posted by Billabong - 06 Dec 2012 22:35

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wickededge wrote:

It works on the inside just as easily:

and is small enough to allow you to hit the 13 degree setting on the PP2.

I'll bite, are these going to be the new screws?

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Re: Drill collar variation
Posted by cbwx34 - 10 Dec 2012 13:13

Hey Mike,

I haven't forgotten about this. One idea I had is to move the space to the side, so there was room to maneuver the stone. I just flipped the clip sideways, and used the space between the clip and the adjustment knob. If you play with it a bit you can find a couple of points that are consistent. At least maybe a new idea to work from?

I've added a couple of pics... the first one to show what I'm talking about, the 2nd to show a sample with the stone in place. Hope it makes sense!

Let me know what you think.

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Re: Drill collar variation

Posted by Mikedoh - 10 Dec 2012 13:46

I was starting to wonder if I'd asked something that would have required my killing should I be told

So, static points are knob edge and pincer edge? Maybe add a removable piece to slide over the shaft of the screw to eliminate any twisting ?

Am I on track here?

Let me know (unless of course, my demise is required, then fogedabboudit)

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