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 cbwx34 - 10 Dec 2012 14:19

I think you're on track... I'm not sure I understand the removable piece... but if you come up with something, snap a pic. You can actually set the stone on the base, and slide it into position if that makes sense.

Not nearly a perfect solution... but have to start somewhere. ☺

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Re: Drill collar variation
Posted by Mikedoh - 10 Dec 2012 14:32

Do the ends of the platens actually touch the "L" arm?

It didn't look like they did in the pic. The -slide over piece- was just to assure the stone would be perpendicular to the "L"arm so that the measurement would be accurate.

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Re: Drill collar variation
Posted by cbwx34 - 10 Dec 2012 14:44

The way I did it, (since you only want to measure one side of the paddle) is I slid the paddle "over" the adjustment knob so that the inside (back)of the paddle rests against the knob.

Then the front side of the stone would rest against the clip. So for the first stone, you'd move the clip to set the distance, then for the rest of the stones, you'd have to loosen the knob, slide the stone in, move the braket in or out until the stone hit the clip, then pull out the stone and tighten the knob. (I don't think it's free enough to slide around on its own, it should stay until tightened).

Don't know how much since that makes (my fault), but if you understand how it works on the EP, and play around with this, I think the light bulb will come on.

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Re: Drill collar variation
Posted by Mikedoh - 10 Dec 2012 15:34

I get what you're saying, just want to make sure the stone isn't tilted one way or the other which would give a false stone thickness.

For me, the divots in the degree bar always move the "L" bracket from where I'd like it to stay. Maybe if I just use a screw on the smooth side of the bracket, things will stay put. I use a screw on both sides now to try and keep them from loosening during sharpening.

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Re: Drill collar variation
Posted by cbwx34 - 11 Dec 2012 12:55

Mikedoh wrote:

For me, the divots in the degree bar always move the "L" bracket from where I'd like it to stay. Maybe if I just use a screw on the smooth side of the bracket, things will stay put. I use a screw on both sides now to try and keep them from loosening during sharpening.

Good point, you'd probably have to use the screw on the smooth side, otherwise it would try and slide into the nearest divot.

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Re: Drill collar variation
Posted by Bill Sutherland - 11 Mar 2013 07:57

I used the Stop Collar trick with the WE this weekend and had great results. Since I have the EP Pro and some Shapton Glass stones I decided to see if I could get some additional use out of the Shaptons and use the Stop Collar trick on the WE. Since my WE is mounted on a Bessey Vacuum Base I have ample room to fit the plastic base and Shapton between the Collar and the L shaped arm mount. Since

the 4k Shapton was the final stone I would use I simply mounted the knife, got my 20 degree established, slid the collar to the point where the Shapton stone and plastic mounting plate were touching between the Stop Collar and L shaped arm mount, tightened the Stop Collar which established the "reference point". Started with the WE 100 so I simply loosened the L shaped arm mount and slid it over till the WE 100 and the plastic base plate were touching both the Stop Collar and L shaped arm mount, tightened the L shaped mount, checked my angle to make sure it was 20 degrees and started my sharpening. Followed this procedure using the WE 100 through 600, jumped to the 1,000 then 4,000 Shaptons (they're mounted on blank paddles with velcro)and ended up with a nice arm hair shaving blade. Using this technique made my process so much faster than trying to rely on the Cube after each stone change and having to "fiddle" with the L shaped mount till I got exactly 20 degrees. Since this was my first attempt and just to make sure I was always at 20 degrees I rechecked at each stone change to make sure it was working as I expeceted. It always was exactly at 20 degrees. Exact same process I use on the EP.

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Re: Drill collar variation
Posted by cbwx34 - 11 Mar 2013 08:05

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Thanks for posting, this is great to read!

Can you perhaps post a picture or two how you did it? (And a pic. of your EP mounted stones?) I think it helps give a better understanding of how this actually works.

Thanks!

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Re: Drill collar variation
Posted by Bill Sutherland - 11 Mar 2013 08:40

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I'll see if I can use my cell phone camera to get some pics and descriptions mounted tonight. Since my only other camera is older than many members here the cell is my only option!!

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Re: Drill collar variation
Posted by Mikedoh - 11 Mar 2013 12:56

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Very interested to see your stone mounting to paddle technique. I have Choseras from my EP and would like to use them on the WE.

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Re: Drill collar variation

Posted by Bill Sutherland - 11 Mar 2013 13:19

I'm going to try my hand at posting pics but what I'm using now is Velcro on the blank paddles I got from Bob at Oldawan Tools. I simply put the Velcro on the EP aluminum plate and the fuzzy portion of the Velcro on the WE Paddles and it works fine. Only thing I don't like is sometimes the Velcro on the paddles gets we but so far that hasn't been a problem. I'm going to try doubling us some tape to take the place of the Velcro and see how that works. If I wasn't going to use the EP stones on the EP I think I'd simply get a high quality double back tape and attach to the paddles that way. However, I want to use my Shaptons on both machines so I'll experiment with difffernt attachment techniques.

Before I got the paddles I was going to simply make a wooden "paddle" and bore a hole to accept the arm and attach the Shapton stone to that.

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