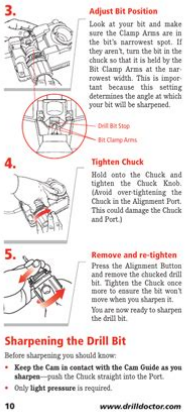
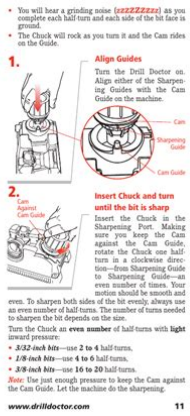
Drill Doctor User Manual





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Book Descriptions:

Drill Doctor User Manual

Turn the chuck knob clockwise until it is tight. B Now, loosen the chuck knob slightly, turning counterclockwise, just until the drill bit begins to slide through the chuck jaws. C Press the pusher button in and insert the chucked drill bit into the alignment tube. Take care to match the flats on the chuck with the flats on the top and bottom of the tube.Your bit is ready to sharpen. Gently push the drill bit forward until it meets the drill stop, which is visible through the alignment viewer. With a direct, easy pressure, turn the chuck clockwise, white mark to white mark and repeat. Remember you are grinding steel. A small bit requires a light pressure and may only take a couple of turns to sharpen. A large bit will need greater pressure and will take additional turns or more to sharpen. Make sure the chuck follows the steel cam post. Avoid putting downward pressure on the chuck. Keep the pressure even, and directed into the tube. The correct sharpening action will naturally rock the chuck back and forth. This motion should not be prevented. More sharpening may be required for very dull or broken bits. We are over 100 coworkers strong, dedicated to producing highquality tools and providing exceptional customer service. Drill Doctor is part of Darex, a 4thgeneration family owned company in Ashland, Oregon. For over 40 years we have been creating industryleading sharpening 1 May 2013 Drill Doctor Carry Case. Drill Doctor Carry Left Hand Chuck for Classic Drill Doctor Models. My DD 750 does not do the job. Wear Follow instructions entitled “Drill Doctor Maintenance” in this. Now go enjoy its Anvil of dawn game manual, Product mission statement example, Government hotel tax exempt form, Sample follow up letter interview, How to end a personal statement. Reload to refresh your session. Reload to refresh your session. To correct this problem, follow the instructions in “Using the Variable Alignment to Adjust the Chisel and Relief Angle” on page 19.http://golfvillageonline.com/userfiles/cpm1-programming-manual.xml

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Slow and Fast Spiral, Helix, Turbo Flutes, and Raised Margin drill bits are con sidered specialty bits. This will help improve the sharpening on these types of bits. To correct, apply light, inward pressure and rotate the Chuck smoothly while sharpening. Be sure to complete the halfturns. Always use an even num ber of halfturns when you sharpen. Check the drill to ensure it is straight and free of burrs. Realign the drill bit making sure that the Bit Clamps are located in the nar rowest section of the bit. See page 10. The drill point must be against the Drill Stop and the Bit Clamps must be at the narrowest part of the drill bit. To correct an uneven point split, insert the Chuck into the Splitting Port and split both sides again. Push the Chuck into the Port until it stops. Repeat until the split sides are equal and look like the correctly split bit shown above. Our payment security system encrypts your information during transmission. We don’t share your credit card details with thirdparty sellers, and we don’t sell your information to others. To hide it, choose Ship in Amazon packaging at checkout. To hide it, choose Ship in Amazon packaging at checkout. Please try again.Please try again.Register a free business account Please try your search again later.Click here to make a request to customer service.To calculate the overall star rating and percentage breakdown by star, we don’t use a simple average. Instead, our system considers things like how recent a review is and if the reviewer bought the item on Amazon. It also analyzes reviews to verify trustworthiness. Please try again later. Jillian Struzynski 5.0 out of 5 stars As I am a fan of expensive

solutions to simple problems, I purchased this item. After 10 minutes of video tutorial and 3 minutes of futzing, my drill press was turning out these beautiful shavings from the first drill bit I sharpened.http://flickinger.fr/cpm1a-manual-programacion.xml

Although I havent got the geometry or technique perfect yet, with a little more practice, this item will pay for itself handily.Im a CNC Machinist and small drill sharpening at work is pretty much non existent. I hate throwing dull drills in the scrap steel barrel. Its great for sharpening drills when you use it as described. Its a finesse type of unit. If you turn the drill like an animal it wont work. Ive already sharpened close to a hundred drills with it. As for the split point its not very good at it. Especially larger drills. This takes a lot of finesse to get right. The motor whines when creating a split point from scratch. Even with light pressure. More time than it is worth. Dont have a lot of split points so this is not a big deal for me. Any drill that is chipped or very dull I sharpen as close as I can get it on a bench grinder then final sharpen it right on the Darex. If I had to buy again I would go with the 500X and forgo the larger drills as they are to much strain on the small motor and wheel. Not sorry I bought it. It was a worth while purchase for me. Big help at work and home. VinnyWhat did I not like. At its best it does a second rate job of sharpening a drill. The point needs to be as close to perpendicular to the cutting edges as possible, but this machine makes it parallel. The drill must be aligned way to the positive side to get a slightly positive chisel angle, and then the point is parallel to the cutting edge. The split point cuts off too much material, which leads to drilling slightly triangular holes rather than perfectly round. The motor is under powered. The plastic parts are already starting to wear down. It can only get the 115 degree angle, because the cam device for angling the drill chuck will not pivot fully at the 140 degree setting, being blocked by the internal plastic spring mechanism. The company needs a better engineer who can work with a machinist.Not a very precice ground surface.

My initial impressions of the machine are still mostly the same with one exception. The diamond wheel when new is quite rough. Thats the main reason it makes such a rough grind on a drill bit. Given time, the sharp angles on the artificial diamonds wear off and then you get decently ground drills. 2. Precision varies After 2 years you would think that Id never grind a drill wrong, but it still happens and not from me screwing up. Sometimes the results are not consistent and I have to regrind a drill to get a good cutting edge. 3. The drill angle setting is something that is always migrating. I set it to 118 degrees and slowly over time, it will migrate to 135 degrees. The lock screw is pretty tight and tightened with pliers. GRRR! 4. Never use the split point.its just garbage! I just received my 750X today so Im writing this review after watching a couple of howto videos and then taking some really destroyed bits and sharpening them. This is obviously a noob impression, but then Im a noob to this machine, but not to precision machining. I started with a bit that has a shattered cutter. There were no cutting surfaces. I figured I couldnt make it worse.and I didnt. I followed the video and had the bit sharpened in under 3 minutes on my first try. The first time through the grinding step, left me with a lot of still destroyed flutes, so I started the cutting process again and then twice more to finally get down to good metal again. The bit is much shorter now what with the snapped off tip and then sharpening it 4 times, but it cuts hard steel again. I split the point too. Then I looked at the ground surfaces under a 30X loupe. UGG! Nothing as nice as a mass produced bit. I tried super light strokes over the grinding wheel and that didnt make the ground surfaces cleaner either. The chuck mechanism is adequate, but when you put it in the cutting hole, there is nothing that holds the bit to the diamond wheel. You hold it in place against that post.

http://www.bosport.be/newsletter/dynix-horizon-manual

The post ought to have a bearing on it and the chuck ought to lock in place so that cutting pressure and position are maintained by the machine, not my hand. I wasnt impressed with how easily I could screw up the grinding process by applying too much force or rocking the chuck back and forth. The split point isnt great. All that happened was the edges of the flutes were ground off. The larger bits

have sort of split points, but nothing as precise as the rest of the bits in the drill set. See the attached pictures for what I mean about sub par split point. This bit was dull, but the split point was still intact. I deliberately ground it down past the factory split point to show the subpar split done by this machine. The precision in this machine is not very good. Like I said in my title.better than a dull bit. I guess you really do get what you pay for. Ill keep messing with it. Ive already bought a 220 grit wheel. Maybe that will make a better finished product. I have lots of dull bits and the 220 grit wheel ought to help some too. Im not impressed so far, but its definitely better than dull or destroyed bits. For someone looking for a precision bit sharpener, expect to spend more money and buy something better.Ich habe kein Deutsch. Well made but fairly complicated. I am now left to my own devices to change the plug no problem but more importantly I now have to find out how to set it up and use it correctly. Im sure it is a good enough machine but right now it is nothing more than an expensive doorstop. Frankly pisses me off, please excuse my Deutsch.There is some degree of finesse to the method but on the whole I am thoroughly pleased with the results, far better than doing it by eye on just my first attempt using the unit. Price is somewhat over the top though for a grinder and angled chuck.

I need a replacement as soon as possible, It is impossible to return faulty product with Amazon, Will not purchase again with amazonIn order to navigate out of this carousel please use your heading shortcut key to navigate to the next or previous heading. Page 3 You have just purchased the finest, most accurate and best engineered drill bit sharpener ever created for home and professional use. It is likely that your experience with this sharpener will be unlike any sharpener you have used before. See A1 A2 2. Insert a chuck without drill into the sharpening tube and pull the loop handle out. Angle Gauges Step 1 Drill Identification and Sharpener Set Up A. Place the drill in the point angle gauge see Figure 2. Page 6 INSTRUCTIONS STEP 2 Aligning Drill Bit For Sharpening continued E. Look into the opening in front of the paddle. Note the location of the two spring steel pawls. Rotate the drill bit until the pawls slip in and grab the flutes at the narrowest point. Continue to push the drill bit against the drill stop see Figure 9. F. With the drill point against the drill stop and the pawls in their correct position, tighten the chuck by turning the chuck knob CW with the other hand. Refer to Figure 31 on page 10 for a drawing and definition of a properly split drill bit point. A. After sharpening the drill point, do not remove the drill bit from the chuck. Grinding particles will promote wear in the three tubes and chucks, so cleaning on a consistent basis can add life to your machine. It is used for drilling soft or mild materials such as cold rolled steel, aluminum, and wood. Typically the standard drill bit is made of High Speed Steel HSS. The tip of the drill bit can easily be split making it a High Performance drill bit. Page 11 You can take less material off of a drill bit. The sharpener will remove approximately.015” to.025” depending upon the point angle that is sharpened.

To align the drill bit to remove less material, merely insert a shim or feeler gauge between the drill bit point and the metal stop where the drill bit normally touches during alignment. TROUBLESHOOTING 1. I aligned the drill bit and sharpened it, but no material gets removed. You may have allowed the paddle to knock the drill back into the chuck. It’s easy to use correctly, if you follow the instructions. We have created this manual and video in order to give you the information you need to effectively master its operation and get the satisfactory results you expect from Professional Tool Manufacturing LLC. Lastmanuals provides you a fast and easy access to the user manual DRILL DOCTOR 300. We hope that this DRILL DOCTOR 300 user guide will be useful to you. Cutting Edge Heel. Cause. Dirty Chuck. Solution. Insert a drill bit into the Chuck, tighten it, then press the bit against a hard surface. If so, clean the Chuck as described on Page 16. Drill Bits Of Different Sizes. Large Drill Bits. A wellsharpened bit will have a smooth surface from cutting edge to heel. It may take two or three complete sharpenings repeat all steps to resharpen a very dull or chipped large drill bit. Short Drill Bits. After inserting a small bit into the Chuck and while holding the Alignment Button in, insert the Chuck into the Alignment Port. Then, insert a finger into the

back of the Chuck Knob and push the bit forward against the Drill Stop. Look through the Window and make sure the Bit Clamps grasp the bit at the narrowest point when you release the Alignment Button. Tighten the Chuck Knob, but Correct before sharpening small bits, look through the back of the Chuck to be sure all Chuck Jaws are straight against the drill bit. If the Jaws appear to be out of line, move the Chuck Knob slightly to the left just until the Incorrect Jaws straightendo not loosen the Chuck Knob or the bit will loosen and the alignment will be lost. Now, sharpen the bit in the usual manner.

Aligning and Sharpening Masonry Drill BitsRemember, you are only sharpening the carbide insert. Why was my drill bit sharpened improperly Answer. The most common cause of improper sharpening is improper drill bit alignment. Too many rotations of a small diameter bit results in incorrect sharpening, and too few on a large bit may not sharpen enough. The drill point must be against the Drill Stop and the Bit Clamps must be at the narrowest part of the drill bit. To correct, apply light, not firm inward pressure and rotate the Chuck smoothly while sharpening. Question. Why is the chisel edge on my drill bit flat Answer. During the alignment process the Bit Clamps were gripping the high points of the drill bit. Realign the drill bit making sure that the Bit Clamps are located in the narrowest section of the bit. Question. Why are my small drill bits not cutting Answer. The product has not been dismantled and no service or repairs have been attempted other than those suggested by a Drill Doctor TSR. In any way cant Lastmanuals be held responsible if the document you are looking for is not available, incomplete, in a different language than yours, or if the model or language do not match the description. Lastmanuals, for instance, does not offer a translation service.