
Subject: Back to square one, so to speak
Posted by [lon](#) on Sun, 29 Aug 2004 19:42:39 GMT
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I noticed I had this huge problem getting my rotozip toolcircle cutter to make a cutout the same size... ever. The centering pin might be loosening up as I work the device. Other problem is I am using the smallest diameter the circlemaker has, so I can't simply set it lower. The centering pin is this big fat sloppy thing. I'd be better off to use one of those \$6 attachments for a jig saw, but again, I'm trying to use the smallest dimension for 4" drivers in an array project. I don't know if there's any help for this or not (?) In any case, the box of 50 cent speaks I got on closeout does not suggest any new tool purchases right now... not until Sir Fitz gets his line array published. :-)

Subject: Re: Back to square one, so to speak
Posted by [Bill Fitzmaurice](#) on Mon, 30 Aug 2004 11:16:22 GMT
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I do all my holes up to 4 inches with good quality (Greenlee, Lenox) holesaws. The expense is well worth the reduction in frustration levels.

Subject: Re: Back to square one, so to speak
Posted by [lon](#) on Mon, 30 Aug 2004 14:43:56 GMT
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Hi Bill, Yes there is a lot of frustration with the variance in cutouts doing it with hand tools. I have used a 3" hole saw. Any problems handling a 4" hole saw in a standard hand drill without having forearms like Popeye the Sailor? ;-) Are there any speed and power issues? Anyway, right now I am still making a sample build of a line array with 50 cent speaks and scraps. Foam insulation used to gasket the mounting fills in the gaps for now. Is chamfering the backside of the cutout part of your technique for the line array? (Maybe should take this into the line array forum.) I am learning how to do parallel hookup with these with alligator clip leads: plus to plus and minus to minus.

Subject: Re: Back to square one, so to speak
Posted by [Bill Fitzmaurice](#) on Mon, 30 Aug 2004 15:48:36 GMT
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I use holesaws with a drill press whenever possible; they are tricky with hand held drills. With a

hand held I use a heavy duty 1/2" drill at 800-1000 RPM with the workpiece clamped to the workbench. I did use a 1/2" radius quarter round router bit to chamfer the inner side of the mounting holes to allow me to get in there with a tube of silicone sealeant to seal the drivers to the baffle.

Subject: Re: Back to square one, so to speak
Posted by [colinhester](#) on Mon, 30 Aug 2004 18:48:02 GMT
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Again, Check out Harbor Freight
(<http://www.harborfreight.com/cpi/ctaf/Displayitem.taf?itemnumber=44506>) for a pretty inexpensive drill press. If there's one in your area, be sure to sign up on line for discount coupons (5% for \$50 and 10% over \$100.) Also, I would check out the local paper for deals or garage sales. Drill presses are pretty easy to come by, and I think it would save you a world of frustration.....Colin

Subject: Re: Hey Bill, can you just cut a slot?
Posted by [The Auntie-Polly](#) on Mon, 30 Aug 2004 21:32:20 GMT
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Would cutting a 4" slot and placing the drivers right next to each other work? Or do they have to have some distance between them?

Subject: Re: Back to square one, so to speak
Posted by [wunhuanglo](#) on Tue, 31 Aug 2004 00:33:18 GMT
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I saw a guy jam a Milwaukee 1/2" right angle drill (mine) with a 4-1/2" hole saw one time - broke his arm.

Subject: Re: Back to square one, so to speak
Posted by [lon](#) on Tue, 31 Aug 2004 02:36:43 GMT
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So he used one of those cement drills that looks like a jackhammer? All I have is a Craftmen hand drill of modest size...got it used, not sure what it's HP is or anything.

Subject: Re: Hey Bill, can you just cut a slot?
Posted by [Bill Fitzmaurice](#) on Tue, 31 Aug 2004 11:24:52 GMT
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A slot is acoustically better than holes since it minimizes the distance between the drivers; the trick would lie in making the whole thing airtight. Also, a straight slot could cause problems with the mounting screws depending on the particular driver frame configuration. I went with holes to maintain structural integrity and keep things simple.

Subject: Re: Back to square one, so to speak
Posted by [Jeff Robinson](#) on Wed, 01 Sep 2004 13:23:11 GMT
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I hope it's better than its predecessor (model 7242). I bought one and consider it a toy grade machine. The motor burned out after cutting about 20 3.5" holes (I set the spindle speed to the correct RPM for each hole saw size I used). I now have a much better unit from Ryobi, #WDP1850. It's also rated at 1/3 Hp but the motor is about 4 times the size of the (alleged) 1/3 Hp Chinese motor on the Central Machinery (Harbor Freight) unit. good luck Jeff
The item in question

Subject: Re: Back to square one, so to speak
Posted by [colinhester](#) on Wed, 01 Sep 2004 14:15:40 GMT
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Yeah, that would be the one. Disregard HF rec. Sorry Thanks for pointing out the Ryobi products. Ryobi is making a very nice line of home workshop tools now. They run \$100 for each tool (drill press, band saw, drum sander.) I've seen nothing but positive reviews on these. I would, however, avoid Ryobi's lower end table saw. I have the BST-10 and it's pretty much useless.....Colin

Subject: Confucious say you get what you pay for...

Posted by [Bill Fitzmaurice](#) on Thu, 02 Sep 2004 11:41:57 GMT

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and he was right. When it come to drill presses what you most want to consider, though, is the distance from the spindle to the vertical rail. The smallest presses will allow you to drill on-center only six inches from the workpiece edge; you're better off to spend another 30 bucks or so to have a decent size throat opening. Ryobi does make very good stuff for the money, but when it comes to table saws on the cheap it's tough to beat Sears, especially when on sale, which they usually are.

Subject: Milwaukee drill

Posted by [wunhuanglo](#) on Fri, 03 Sep 2004 00:43:30 GMT

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see below.

http://www.amazon.com/exec/obidos/tg/detail/-/B0000223HJ/qid=1094175870/br=1-16/ref=br_lf_hi_16//102-7506286-9224154?v=glance&s=hi&n=228404

Subject: Re: Milwaukee drill

Posted by [Bill Martinelli](#) on Fri, 03 Sep 2004 04:18:11 GMT

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I've always enjoyed those intimate times where the drill motor has your hand pinned against a joist and it's difficult to release the trigger.....When you think about it. The mighty right anglers are made to drill in hard to get at areas, you aren't supposed to be there!

Subject: Re: Milwaukee drill and better alternatives

Posted by [lon](#) on Fri, 03 Sep 2004 19:32:37 GMT

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It's more iron than I could deal with. Besides, using holesaws that I have (up to 3") it looks like using one of these high power, high torque tools would prevent a reasonable amount of 'nibble control' afforded by straight vertical tool setup. If the actual cutout size is listed at 3 11/16, then which of the hole saws would be the correct one to get? I have noted that if the hole saw is listed at 3", then 3" will be the final cutout. Measuring the hole saw itself shows that the units are made to account for kerf removal.
