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Match Grade Machine T/C Contender Barrel 300 Blackout 16.25 Twist 1-8, Heavy Fa. Categories: renegade Key Tags: renegade, stock, twist, yards Built by Dave Van Horn. These barrels are New Old Stock. Some have been on the shelf and, traveling back and forth to gun shows for several years. The lugs are welded on with stainless steel rod, the welds may have incomplete bluing, based on how the fill rod mixed with the base metal. It does not mean the barrel was incorrectly blued. T/C frames vary slightly over their 40+ year production. We test fit all barrels on our frame(s) for correct fit and function. In rare cases, you may need to perform minor fitting of this barrel to your frame. Categories: cs139223 Key Tags: barrel, contender, cs139223, twist NEW TC ENCORE 24blued caliber 38-55 WCF Twist 1/14 Still in packaging. Categories: encore Key Tags: 38-55, barrel, blued, caliber, encore, twist TC Contender/SSK-50/G2 Accuracy Barrel 22 Magnum (WMR) 24 Blue 1:16 Twist. Blue TC Contender G2 Accuracy Barrels. 22 Magnum WMR 1:16, Standard Model, Match Grade Barrels. TC Contender/SSK-50/G2 Accuracy Barrels® fit the TC Contender and G2 Contender frames. Arthur Brown Company with special attention to detail, precision, and the materials necessary to enhance accuracy. These are 24 non-tapered bull barrels finished in factory blue to match your frame. 810 diameter fits the standard G2 Contender Rifle forends. Drilled and Tapped for a scope. Bore Dimensions Consistent to. Button Rifled to the Optimal Twist Rate. True, Center-to-Center Barrel Turning. Headspace Checked and Confirmed Each Barrel. True Center-to-Center 11ø Target Crown. Tool Steel EABCO Custom Extractor. Tool Steel EABCO Custom Locking Bolts. Here's Why They're Accurate. Precision Barrel Blanks – An EABCO barrel blank is precision gun drilled from the best Chromoly and Stainless steel alloys. Bore dimensions are reamed consistent to airgauge within. 0002 (2/10,000ths) of proper bore dimension. These are then Two-Pass button rifled in the various twist rates we offer to suit particular accuracy requirements. These blanks are the foundation of our process. One at a Time Barrel Making. True, center-to-center barrel turning at a rate that minimizes stress while keeping the bore in the middle. True, center-to-center chamber reaming insures centering and linear alignment of the chamber with the bore. Each chamber's headspace is checked and confirmed with gauges. True, center-to-center 11ø target crown, applied after finishing, insures that bullets exit the barrel with perfectly even gas pressure. (You can tell an EABCO Accuracy Barrel by the bright metal crown). We try to offer our TC Accuracy Barrels® in chambers with the best potential for accuracy. We don't ride the outer edges of the frame's capacity no big magnums, short magnums, etc. And we lean toward chambers and twist rates that are already proven accurate. Bore Paste assure sufficient cleaning of carbon and copper fouling for the quickest and most trouble free barrel breakin as well as keeping your barrel match accuracy clean. It's the choice of serious shooters... Dealer Inquiries Are Welcomed! Arthur Brown Company, Inc. 4088 County Road 40 NW, Garfield, MN 56332. Listing and template services provided by inkFrog. Could be old stock. TC ENCORE 24 barrel caliber 38-55 Blued WCF Twist 1/14 NEW. Categories: encore Key Tags: 38-55, barrel, caliber, encore, twist Green Mountain IBS (Interchangeable Barrel System) for Thompson Center Drop In 32 cal, 1:48 twist. Barrel measures 15/16" ATF x 28" so will fit the TC 50 or 45 cal Hawken stock. I don't believe they make these anymore. Please pay within 3 days or contact me. This item is in the category "Sporting Goods\Hunting\Vintage Hunting\Black Powder". The seller is "dp treasures" and is located in this country: US. This item can be shipped to United States. Country/Region of Manufacture: United States Load Type: Muzzleloader Gun Type: Rifle Type: barrel Vintage: Yes Brand: Green Mountain Green Mountain IBS (Interchangeable Barrel System) for Thompson Center Drop In 50 cal, 1:70 twist. Barrel measures 1" ATF x 32" so will fit the TC 54 cal Hawken or Renegade stock. I don't believe they make these anymore. Please pay within 3 days or contact me. This item is in the category "Sporting Goods\Hunting\Vintage Hunting\Black Powder". The seller is "dp treasures" and is located in this country: US. This item can be shipped to United States. Country/Region of Manufacture: United States Load Type: Muzzleloader Gun Type: Rifle Type: barrel Vintage: Yes Brand: Green Mountain Author Topic: thompson center twist rate (Read 19861 times) I found a gun shops locally that has several tc hawken for around 100 to 150 and it has got me thinking about one I been wondering what was the twist rate I thought it was 1-48 how would this twist work with conical or sabot or would it be too slow? Thanks I have a .50 cal. caplock T/C Hawken and it has a twist rate of 1-48. That twist rate will work quite well with a patched round ball and such conicals as the T/C Maxiball or the R.E.A.L. bullet. It has been my experience that it will not work with any of the modern plastic sabot bullets. These bullets are simply not stabilized by the 1-48 twist rate and they are wild as all get out. They are all over the paper and some not even on the paper. So, forget using them. Stick with patched round balls and you will have an excellent hunting projectile as well as a good target projectile. BTW, if those T/C Hawkens are in good shape (good bore, good functioning lock, etc), grab all of them because you can re-sell them for around \$350 any time. Clean them up, check them out, lube where necessary and put them up for sale on this forum for \$350. Many have sold for that on the forum. If one has a bad bore, don't pay more than \$100 for it and then send the barrel off and have it re-bored for a larger caliber. If it is a .50 (which is common for a T/C Hawken) have it rebored to a .54. It will cost around \$100 to rebore it. You will have \$200 in the gun and you can sell it for \$350. That's a tidy profit. Wish I could find a deal like that. Most T.C.'s had a 1/48 twist, 1/48 will work with hollow based mini's or prb. I myself never got good results with the T.C. maxi. But that is just me! :dunno: Grab one of the guns. I have a .50 Hawken with standard barrel, I think 1-48 twist, and the shallow rifling. I tried it with the TC bullets with the plastic sabot and a heavy charge (90 gr 777). It stacks them on top of each other at 50 yards. I think those .45 caliber bullets are pretty easy to stabilize. I tried it with PRB with a lighter charge (60 gr 777). It shoots groups less than 3" at 50 yards. I think those TC engineers actually got it about right on this one. I have not tried the Buffalo Bore and the Maxie bullets I got with it. I have not healed from testing it with the unmentionable bullets and that is probably what I would hunt with anyway. MLF Supporter My TC's always worked well with round ball and Maxi-hunters... but the Maxi-ball was a no-go. LD Author Topic: Rate of Twist (Read 2631 times) "For those shooting a TC Hawken with a 1 in 48 twist barrel, what is your bestload? Bullet and Powder. Darrel FlurryHere are some of the most informative comments from the post. Michael S. "Roundball, 60 and 120 gr FFG. Plains bullet, 90Gr FFG. Mine is a .54 caliber." Mike J. "Mine shoots good with 70 gr. BlackMZ and a 490 ball. .015 patch." Paul R. "Roundball 65 gr, lee real 75 gr" Jeffery R "300 grain sabot, 100grms loose powder, ftf works if your gun is clean and dry.James B "90 gr. Goex FFF cut pillow ticking spit patch .490 round ball" Here's a photo Todd Shared. Todd T "100 grains Goex 2F, .54 cal home cast Lyman Plains lubed with 45/45/10 with a felt wad between powder and bullet. Can't wait to run one through an elk." Tony G "80 grains ftf 490 ball 015 patch"Dale N "My 45 50 grs RB, 60 grs maxi. My 50 60 grs RB, 80 grs maxi" Fred W "Same as Bob above, 70gr 2f 490 orb. 015 pillow ticking patch Goex BLACK POWDER ONLY."David C "40 gr FFG, lubed .015 patch with .490 round ball for paper at 25 yds. 85 gr FFG, same patch and ball, for hunting."Visit the "Muzzleloading" Facebook Group for more great posts like this! I have seen a couple of the TC Hawken rifles in flintlock advertised as having a 1 in 66 twist rate. do any here know if TC made their flintlock barrels this 66 inch twist instead of the 48 inch twist for their cap locks? Just a guess; TC made the Pennsylvania Hunter for the required round ball flintlock shooting during the PA ML season in 1 in 66, could be other models were in this twist as well for the PA market. I have seen a couple of the TC Hawken rifles in flintlock advertised as having a 1 in 66 twist rate. do any here know if TC made their flintlock barrels this 66 inch twist instead of the 48 inch twist for their cap locks? T/C's factory standard Hawken barrel was the 28" x 1:48" twist in .45/.50/.54cals; T/C also made 32" x 1:66" interchangeable round ball barrels for the Hawken in .45/.50/.54cals. If ordering a Hawken, the 1:66" could be specified for an extra \$10...or be bought separately and swapped out whenever the owner desired. The above applied to both caplock & Flintlock. thankyou all for your reply's. I thought as much but seems like ive seen a couple stated in particular that they were the 66 inch twist. must have just been lucky in finding them so close together... no wonder the price for each was a little inflated. MLF Supporter (irc) Two of the Thompson Center rifles came from the factory with 1:66 twist rates. The majority came in 1-48, while some late version of the White Mountain Carbine came in 1:25. If you find the prices are "inflated" and it's not a pristine rifle, it's probably a simple case of over-pricing, not that they are charging extra for a "rare" factory barrel. They aren't that rare. LD Mine is 1:48. 50 cal TC Hawken, thats what I thought it was Most are 1/48 but some barrels were made with an RB twist but like stated most all were the traditional 1/48 twist that was originally the Hawkin twist. Don't let anyone tell you that 1-48 will not work with a patched ball. In my limited experience 1-48 can drive ticks with a patched ball. Standard 1 in 48 barrels aren't marked with the twist but TC's roundball barrels came from their Fox Ridge Outfitters custom shop and have a banner on the side with "roundball twist 1 in 66" in it. Thompson/Center used the 1 in 48" twist so that the shooter could achieve acceptable accuracy with both the Maxi-Ball or a patched round ball. Like any type of shooting you need to experiment and work up the load that performs best in your rifle. As several have indicated, 1/48 was standard, the RB twist 1/66 was available, I think through fox ridge, their custom shop. But the 1/48 will toss a RB well. The only TC I don't shoot RB through is my White Mountain Carbine, cuz it likes Maxi" s better. Many of Thompson Centers barrels were made by Investarms and were of 1 in 48 twist. As has been reported, Fox Ridge made 1 in 66 twist barrels and they were dang good shooters. Too bad they went out of business. This looks like it answered my question, to the one I just posted. Don't let anyone tell you that 1-48 will not work with a patched ball. In my limited experience 1-48 can drive ticks with a patched ball. With my T/C, I have split a roundball on an ax blade and snuffed out a candle without hitting the wax. So, yes, these rifles can be very accurate One in 48 if T/C barrel, Investarms is a group of manufacturers who often work in unison to fill orders for export. Somehow, Pedersoli now has the main Brand and the export business. Investarms makes solid guns of quality. Last edited: Dec 12, 2021 Many of Thompson Centers barrels were made by Investarms and were of 1 in 48 twist. As has been reported, Fox Ridge made 1 in 66 twist barrels and they were dang good shooters. Too bad they went out of business. TC barrels were never ever made by Investarms. The Investarm clones are close enough copies of TC's that parts can be swapped around easily. Ord Sgt, I've done the same, splitting a ball on an axe blade and snuffing candles many, many times. They can be and are accurate. For both my TC Hawken and TC Patriot, I like to think of them as having a "Peppermint Twist" because they both are sweet shooters. One in 48 if T/C barrel, Investarms is a group of manufacturers who often work in unison to fill orders for export. Somehow, Pedersoli now has the main Brand and the export business. Investarms makes solid guns of quality. think you are think of Italian Firearms Group. not affiliated with Investarms. Some years back I looked into Investarms and was told by the Importer that it was a group of makers and not one factory. In any case I love mine. Notice that Cabelas replaced Investarm with Pedersoli. Many of Thompson Centers barrels were made by Investarms and were of 1 in 48 twist. Wow. . That's quit the revelation John., Thank you for sharing. Can you help us all(?) by providing actual documentation that the premiere American made T/C Traditional Muzzle Loading rifle was made using Italian barrels? Honest., Thompson/Center Arms was a division of the K.W. Thompson Tool Company, Inc. K.W. Thompson Tool was a modern, investment casting facility located in New England. In 1965 firearms designer Warren Center joined them at which time the Contender Pistol was introduced. With the success of the Contender, the Hawken, Patriot, Seneca, and Renegade followed. I doubt that T/C used Italian manufactured barrels. They certainly had the ability to manufacture their own, and Italian barrels would need to be proofed prior to export. They would be covered with Italian proof marks like all other replica frearms manufactured there. You never say never with firearms, but I seriously doubt this one. I also believe Fox Ridge was the custom division of Thompson/Center Arms, but I could be wrong. Page 2 I believe that Thompson-Center and Investarms shared design features and built to the same design dimensions, but the T/C arms were always an American made product. Don't let anyone tell you that 1-48 will not work with a patched ball. In my limited experience 1-48 can drive ticks with a patched ball. Right on. IMHO, the 1-48" twist is the best all around choice for prb shooting. Museums I have visited that show nomenclature of it's old originals indicate the 1-48 for 90+% of it's rifles. Looking threw TCs catalog #1 it doesn't say the twist in their Hawken or Seneca rifles. (The only rifles they offered then.) Interesting though it states the Patriot pistol in 45 calibre only has a 1 in 48 twist barrel! does anyone know where I can source a TC 50 Hawken barrel -mines been put away dirty at least once in its life and the bottom of the bore is oversize - Might give e-bay a try. Also another option is contact The Gun Works. They may have one, they bought all of TC's inventory. Also try: travelersantiquesandtrading.com He did have some GM drop in barrels last time I asked, but that has been some time ago. Last edited: Dec 13, 2021 Thompson/Center used the 1 in 48" twist so that the shooter could achieve acceptable accuracy with both the Maxi-Ball or a patched round ball. Like any type of shooting you need to experiment and work up the load that performs best in your rifle. I have seen this many times but if memory serves (which is not as good as it use to), the 1:48 twist was manufactured and marketed quite a while before the maxi was brought out. Yep. None other than Jake & Sam used 1 in 48 twist in their barrels & I've never heard them called 'compromises' or 'middle of the road'. You know, Jake & Sam of the somewhat well known Hawken brand? You can get .50 TC barrels on Ebay and sometimes drop in GM barrels from Track of the Wolf. Sometimes one for sale on this site. It is a long waiting game to find one at a good price right now. The used ones are sorta drying up, I think. The good news is the .50 is often the cheapest of the used barrel calibers. Last edited: Dec 14, 2021 I never said Thompson/Center came up with the 1-48" twist, I simply wrote that they used it on their rifle barrels. This is mentioned in the chapter "Shooting the Minie & Roundball" in the Lyman Black Powder Handbook, as well as the catalog section description of the Thompson/Center Hawken and Renegade in the Lyman Muzzleloader's Handbook. What I meant by "compromise" is that Thompson/Center recommended both the Maxi-Ball and patched Round Ball for use in their rifles. You can get decent accuracy with either. That's all. I maybe wrong but I think the actual Hawken rifles had a 1/48 twist. I have a CVA mountain stalker (s69 special) I bought because it was cheap. It has a 1/32 twist designed for a sabot even though later on a tighter twist came out. In any event, because the cost is less, I tried a patched round ball and backed off a little on the powder charge and it shot fine. So you don't necessarily need a 1/60 twist to shoot patched round balls. If your barrel no longer groups well, you might want to contact Bobby Hoyt... (717) 642-6696. He does great work at very reasonable prices. I just got back into muzzle loaders after a hiatus of several years. This seems to be a good place for info. I built my Thomson Center Hawken from a kit in the late '70's. I've been trying PRB's, and jacketed bullets with sabots to see what will give the best accuracy. My research revealed that these barrels had a 1:48 twist as a compromise between round ball and conical bullet stability. When I checked my rifling it appears to be 1:36! Does anybody know if early barrels were different than 1:48. The serial number on the barrel is K107766. Never seen a TC Hawken that didn't have a 1:48 twist.... My T/C Hawken kit from the late 1970's has a barrel with the 1 in 48" twist. Much later there were T/C barrels from its custom shop, Fox Ridge, that had deep grooved round ball 1 in 66" twist. Jacketed bullets and sabots are a no no on this site, go to our sister site modern muzzleloaders to discuss them. Last edited: Jun 19, 2020 Unless it is from the Fox Ridge custom shop all TC Hawkens no matter the caliber are 1 in 48 twist. White Mountain Carbiners and some of the inlines had faster twist from 1 in 28 to 1 in 38. What is the length of the barrel? And how about a photograph of the barrel and a closeup of the twist on the barrel? I've never heard of the TC Hawken barrels having anything other than 1:48 either, that's why I posted the question. Measuring the twist doesn't seem like rocket science but I have made mistakes in the past. Last year I actually made two! I inserted the ramrod with a tight patch just into the barrel by about 2 inches and marked the rod, then pushed it further in until it rotated 180 degrees and marked the rod again. The two marks were 18 inches apart. I'll take some photos to post. It has a 28 inch barrel. 28" barrel. Earlier barrel as it doesn't have Hawken stamped on it. Assuming it still 50 caliber, but don't believe you told us the caliber. You sound confident in your measurement method. But it just doesn't add up to the known factory Hawken barrel twist rates. Would expect one half of a revolution (180") in 24". Could you possibly check again to confirm? Maybe mark two points 24" apart on your ramrod and connect with a straight line before checking? I checked again with a different ramrod, jag and a tighter patch, but had the same result. 180 degrees in 18 inches. What did you mean by "connect with a straight line"? Old drafting table thing. Mark a straight line connecting 1 each mark. Maybe cover the ramrod with piece of masking tape. Put the ramrod on a flat surface, like a table. Run a Sharpie or similar market pen straight down the length of the ramrod. That line will be your reference to observe the rotation as you push the patch covered jag through the bore. Understood. My process was similar. I taped a 4 inch length of stiff wire across the end of the ramrod. With the barrel and rod horizontal on the table the wire was vertical when making the first mark. Pushed the ramrod in observing the wire rotate around to vertical again to get the 180 degrees in 18 inches of ramrod travel. We may never know how this came to be but with the fast twist rate what type of projectile would be best suited? I plan to spend a day at the range with PRB's and some Maxi- balls but I suspect round balls won't work with heavy charges. In a TC Hawken 50 one should get pretty good accuracy with a .490 ball, thick patch(.015-.20) and 70-80 grains of black. You might try it and see what happens. My old TC seems to shoot well with around 50 grains for targets at 50yards or less and I've used 80 for hunting and longer ranges. I usually us 2f, but many here like 3f. Just a possibility to mention. On a rebore, the rifling in the TC .50 will clean up with very little metal removal. I shoot one that was rebored to .52 with 28" twist. Perhaps the barrel on the TC in question has been touched up. I recently was given a TC Hawken Kit rifle that someone had built many years ago and it has a 1-48 twist rate. I'm not sure about the dates of manufacturing by the serial number but mine starts with K27xxxx. I've had this rifle (40 years) since new. It hasn't been touched up. There may actually be others like it out there with a 1:36 twist. I measured the twist rate out of curiosity and realized it was a bit of an oddball but most people probably just shoot them without knowing the rifling details. I bought a 50 caliber TC Hawken Kit in 1977 Serrail K432XX. Has 1 in 48 twist. Ron I just got back into muzzle loaders after a hiatus of several years. This seems to be a good place for info. I built my Thomson Center Hawken from a kit in the late '70's. I've been trying PRB's, and jacketed bullets with sabots to see what will give the best accuracy. My research revealed that these barrels had a 1:48 twist as a compromise between round ball and conical bullet stability. When I checked my rifling it appears to be 1:36! Does anybody know if early barrels were different than 1:48. The serial number on the barrel is K107766. Per your OP, what projectile gave you the best accuracy? As far as the barrel's twist rate, see two possible scenarios. You have a unique TC barrel with a fast twist, or you somehow incorrectly measured the twist (no offense intended). At the end day, doesn't matter what actual twist rate is. How does it shoot? I hope to get some range time in next week. I have some maxi-balls (360 gr. i think) to try out and I'll try some PRB's at lower charges. I'll post back with observations. Thanks for all the replies gents. Page 2 This site may earn a commission from merchant affiliate links, including eBay, Amazon, and others.