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Moderators: GeorgeS

Page <u>1 ... 282 283 284</u> **285** <u>286 287 288 ... 304</u>

| Terminal B | Sullet Performan | | <u>Login/Join</u> |
|-----------------------|---|--|-----------------------------------|
| | | | *** |
| capoward One of Us | 園 | posted 17 November 2013 02:32 | <u>Hide Post</u> |
| | | quater | |
| C, photobucket | | quote: Originally posted by 416Tanzan: | |
| 4 | | Thanks, Jim, | |
| | | On twist, we're fine, as the Tikka is 1 in 10". | |
| | | My thoughts were on the 'bore-rider' direction since the shank of the bullet is smaller than the bands and only the three bands seem to engage the rifling. | |
| | | The rear shank, leading to the flat end, is .329" and the front shank, leading to the hollow point is .329". The three bands are .3395-3340". Everything is yellow brass, of course. | |
| | | I've heard that bore riders can be tricky, though I've never used them. | |
| | Tanz | , | |
| | of th caus bala for la caus | ot that the ESP Raptors (ESPR) are bore-riding, or semi-bore-riding in deference to Ron, the issue is the 'dual purpose e ESPR bullets cause them to suffer instability issues when the Talon Tips are installed. And this instability susceptibili ed by the bullet's balance point being further towards the solid base of the bullet. Many VLD/ULVD bullets suffer this s nec point instability susceptibility. The solution typically identified for the ESPR bullets is to manufacture them shorter w tok of a better terminology - provides greater in flight stability from standard twist rates. And even though this shorter es the ESPR bullets to be lighter weight is doesn't eliminate their within mass terminal performance. | cy is ame vhich - length |
| | | ufacturer. | e bullet |
| | Unfo | rtunately it appears your Tikka just may not work with the ESPR bullets. That's unfortunate. | |
| | Jim | 9 | |
| | "Life | 's Fard; it's harder if you're stupid" Wayne | |
| | | : 4954 Location: Central Texas Registered: 15 September 2007 | ് |
| RIP | | | |
| one of us | G22 · | ovember 2013 02:45 | <u>Hide Post</u> |
| | Jim, | | |
| | GSC has "true d | with all that you and Dan say, but Gerard Schultz would insist that his bullets are made differently than CEB bullets. rive bands" and many others are "not-so-true." but just how much diference does it really make? | |
| | | | |
| | I tried to 👅 th Here goes agair | is subject on a separate thread and got no action except from Gerard. 1. 😌 | |
| | Really now? | | |
| | where band dia | s it to have TRUE DRIVE BANDS meter is exactly equal to groove diameter, | |
| | | shank (minor) diameter is exactly equal to bore/land diameter? • + 0.0005 on one or the other or both of those bullet diameters? | |
| | Bad to be minus | on either bullet diameter? | |
| | Evact fit is an in | | |
| | | finitesimal tail-chaser. nitesimally bigger than smaller with your bullet diameters versus the barrel diameters? | |
| | Better to be infi | | |
| | Better to be infi | nitesimally bigger than smaller with your bullet diameters versus the barrel diameters? | |
| | Better to be infi | nitesimally bigger than smaller with your bullet diameters versus the barrel diameters? e Drive Bands" really that bad? | |
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Or is that a good fit, in picture immediately above? Just bullet metal smearing across the shaft from the bands? What would Gerard or Gina say? Hmmm? What? 😂

Are they that interested in optimizing the fit of the bullet to the barrel?

"Cat amongst the pigeons."

I believe that is what Gerard calls his bullets. 😂

Gerard had this to say:

quote:

Originally posted by Gerard: The fit of the bullet in the first post is pretty good. It is obvious from the tops of the drive bands that the seal of gas was effective and that the engraved drive bands resulted in displaced material. The only place that material has to go is rearwards. In the photo below one can see how the drive band material is displaced to the right and down onto the shaft, where there is space for it.

Agreed, slightly over on the size of the shaft is better than under size for accuracy. Where the shaft is two or three micron larger than the diameter of the barrel, there is no measurable pressure increase because of that fact. The diameter of the faces of the lands of a barrel (the bore diameter) will change with use in any case. Extended use will wear away the faces of the lands and the groove diameter and, when either becomes more than 30 micron over size, CIP and SAAMI says the barrel is worn beyond specification.

Cleaning with paste can remove 4 micron at a time and vigorous scrubbing with a dirty bronze brush and liquid, will get to half a micron at a time, in extreme cases.

From the Peanut Gallery:

mi·cron also mi·kron (mkrn) n. pl. mi·crons or mi·cra (-kr) also mi·krons or mi·kra (-kr) A unit of length equal to one millionth (10-6) of a meter. No longer in technical use.

So we are talking in terms of a micron, 0.00003937", or about 0.00004", eh?

Nominal mm bore and groove diameters + 0 to 3 thousandths of a mm?

I am getting too close to some proprietary information here, eh?

What good will it do anybody unless they can make bullets to a +0.00012"/-0.00000 tolerance?

I would have to find some special equipment to even be able to measure in microns. I will not be holding my breath over that one.

But I would like to give the 400 Whelen every advantage possible.

With bore and groove diameters of different barrel makes being different, one from another, and even each barrel individually changing over time, with use, is it practical to custom fit each barrel with it's own special bullet? Well certainly not for a mass-producer wanting one bullet to work in all rifles of a nominal caliber. Doesn't that work out very well, most of the time?

Gerard's concluding statement:

auote:

Originally posted by Gerard:

auote:

With bore and groove diameters of different barrel makes being different, one from another, and even each barrel individually changing over time, with use, is it practical to custom fit each barrel with it's own special bullet?

If a manufacturer finds a way to do this, it would be a good thing. That reminds me of someone who said "Be careful what you wish for, it may already exist."

They say it is routine at GSC to adjust the bullet diameters to match your barrel ... I have not done that before except to re-size some .512-caliber HV bands to .510" diameter by use of a Lee Bullet Sizing die. 🎯

Posts: 28032 | Location: KY | Registered: 09 December 2001

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| 416Tanzan One of Us | | posted 17 November 2013 02:56 | Hide Post |
|--|------------------------------|--|-----------|
| Fairs | | quote: | |
| | | Originally posted by capoward: | |
| | | quote: | |
| | | Originally posted by 416Tanzan: Thanks, Jim, | |
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| | | My personal solution for use of long monometal bullets is to use at least two twist rates faster than is recommended by the bullet manufacturer. | |
| | | Unfortunately it appears your Tikka just may not work with the ESPR bullets. That's unfortunate. | |
| | | | |
| | · | I'm thinking so. Maybe the new copper 3-prong raptors would work, but the rifle will not be here for testing. | |
| | | a 3/4"-grouping Tikka, shooting 225 grain TTSX with a .514 BC at 2838 fps, is a nice consolation. | |
| | "A w | ell-rounded hunting battery might include: | |
| | | AccRel Nyati, 416 Rigby or 416 Ruger, 375Ruger or 338WM, 308 or 270, 243, 223" erving creation, hunting the harvest. | |
| | Posts | : 4253 Registered: 10 June 2009 | ď |
| one 🔤 | ovemb | er 2013 03:46 | Hide Po |
| of Terminal ballstic | | | |
| This bullet is a .4 .416" on the bar | | d .394" on the semi-bore-riding shaft. | |
| UTTING I BUL | C | red F ion Technology photobucket he Yrc | |
| Only change wo That would make Guaranteed to o | uld be e it slig pen d | 411" with a CH4D bullet sizer, or get a special order to proper size from Dan at CEB? to reduce the major diameter on the bands. ghtly lighter than 300 grains, say 295-grain nominal. own to 1600 fps impact? | |
| I need to increas That might make | se the it into | iometal HV that is .411/.403 and 317 grains. minor diameter of that one to .404 for my barrels (Shilen). o a 320-grainer. | |
| .411/317gr HV T | | | |
| | | photobucket | |
| Example of a pro | ototyp | e, with band locations a little different: | |
| | | photobucket | |

Terminals depend more on enough velocity and enough bullet weight to drive the expansion of the copper hollow point bullet. Get the bullet too light for caliber in copper, and then you have to be sure you get the velocity high enough to make it expand. I think I have seen some evidence of that in the .510 Mbogo with a 450-grain HV at 2654 fps. One impacting a cape buffalo at 75 to 80 yards from the muzzle, and the other being a close-range "insurance shot," about 20 feet from the muzzle. Or was it just heavy bone (humerus) that pinched the nose on the slower impacting bullet, while the higher speed impacting bullet hit a softer part of the buffalo?

buffalo? BTW, the bullet on the left below is that .510/450-grain HV that went through the humerus and then the heart of the buffalo, one-shot kill. The one on the right was the close-range insurance shot:



The bent-nosed bullet seems to have tumbled through the heart:



I submit that if the ~2600 fps impact could open the bullet so widely on a buffalo neck/spine, then even if it impacted as slow as 2400 fps, it still should have opened very well. So it was that angling attack on the most thick and strong buffalo bone (humerus of shoulder/foreleg) that pinched and bent the bullet nose.

BTW, I seem to have had a very poor fit of my bullet to my barrel, but it still shot 0.75" 3-shot groups at 100 yards (2654 fps with 105 grains of Benchmark), and about 1.5" 3-shot groups at 100 yards (2835 fps with 115 grains of Benchmark), in the 500 Mbogo:



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| apoward | a posted 17 November 2013 10:11 | Hide Po |
|---|---|--|
| ne of Us | Ron, | |
| photobucket | I've no good looking drawings like you have. 😢 But it'll still be fun to play. 🗒 | |
| | Banded True Bore Riding Bullets If the definition of 'banded true bore riding bullet' requires the shank to be 'actual bore diameter' and the bands to b groove diameter' then I must agree Gerard's HV and FN bullets meet this definition based upon his statements. | e `actual |
| | My only questions are: 1) with a full bore diameter shank where does the banding material displace to? 2) If the displaced material is dragged to the tail of the bullet, doesn't that increase the drag, or perhaps more approduces the since as the friction between the bullet and barrel? And finally, 3) If bullets are purchased from the 'shelf' how can they be 'true bore riding' when the bullets aren't perfectly matches and groove diameters of the rifle the bullets are being purchased for use in? One might perceive the above questions to be a 'knock' on GSC but they aren't, I'm just trying to have a better unde the issues. | ed to the bore |
| | Banded Semi Bore Riding Bullets I guess all 'banded non-true bore riding bullets' fall within this listing. So, does that mean if the 'true banded bore rid doesn't match the barrel's bore and groove dimensions that it now becomes a 'banded semi bore riding bullet'? Rega 'banded semi bore riding bullet' any less inherently accurate than a 'banded true bore riding bullet'? | |
| | Anyway, that's about all I have for tonight – head's still stuffed up from the flu. Personally, I say use the bullet that p the best accuracy and optimal terminal performance in your rifle. Anything else is just bait for forum discussions | rovides both |
| | Now as Michael would sayit's time to roost | |
| | Jim 🛱 "Life's hard; it's harder if you're stupid" John Wayne | |
| | Posts: 4954 Location: Central Texas Registered: 15 September 2007 | e |
| oom stick ne of Us | posted 17 November 2013 12:10 | Hide Po |
| | Seasons44, I think these bullets have good performance aiming for the heart and lungs turning them into mush and causing grea the animals system. If the shot allowed I would go for those organs rather than the shoulder IMHO. | it shock to |
| | 577 BME 3"500 KILL ALL 358 GREMLIN 404-375 | |
| | | |
| | *we band of 45-70ers* (Founder) Single Shot Shooters Society S.S.S.S. (Founder) | |
| | | e |
| | Single Shot Shooters Society S.S.S. (Founder) Posts: 27557 Location: Where tech companies are trying to control you and brainwash you. Registered: | Hide Po |
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| michael458 One of Us | posted 17 November 2013 15:28 | <u>Hide Post</u> | | | | |
|-------------------------|---|------------------|--|--|--|--|
| Real | BREAKING NEWS FROM SAM IN ZIMBABWE: | | | | | |
| ALC . | I just got off the phone with Sam. Yesterday they had one hell of a time with a "Rogue" elephant it seems The sat phone was breaking up, so it was hard to get the full story, but from what I gather they came upon a bull elephant resting under a shade tree yesterday. Decided it was not a shooter, but the elephant winded them and decided for them! He came at full charge, PH shot with 375 HH, no effect, Sam hit him with 577 Nitro, elephant goes down, but not brained, gets up, appie shooting too, PH shooting, Sam Shooting, appie hits elephant in the hip, breaking him down, he is pawing the ground to get to them at this point, Sam hits him in the chest and finally puts the elephant down for good in the end, 10-12 ft All shots missed brain in this full charge, but the 577 hammered him to the dirt at least a couple of times before the hip shot by the appie. Sounds like it was a full on war with three guns in play Very exciting I would think In the end, 577 takes him out with heart shot. | | | | | |
| | Sam is out now hunting either cow buffalo or tuskless I was not able to get when he was going to be on his way home | e? | | | | |
| | FootNote: PH is now looking for something bigger than 375 | | | | | |
| | Michael | | | | | |
| | http://www.b-mriflesandcartridges.com/default.html | | | | | |
| | The New Word is "Non-Conventional", add "Conventional" to the Endangered Species List! Live Outside The Box of "Conventional Wisdom" | | | | | |
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| | Posts: 8426 Location: South Carolina Registered: 23 June 2008 | đ | | | | |
| RIP one of us | posted 17 November 2013 17:05 | <u>Hide Post</u> | | | | |
| | Exciting news from Sam in Zim, stay tuned for the terminal ballistic details, eh? | | | | | |
| | Jim, I pulled the "semi-bore-rider" term out of my ass, or from the AAA Arms and Ammo web site: | | | | | |
| | Quote from AAA: "Semi-Bore-Rider" is a Trade Mark of AAA Arms & Ammo. | | | | | |
| | Better terminology would be "Bore-Matching Drive Bands" versus "Non-Bore-Matching Drive Bands" for my purposes. The importance of this distinction seems to be very small. As you say, the bands seal the bore (and grooves hopefully). And, assuming the the bullet has good concentricity, what more alignment can matching the bore diameter between the ban achieve? | ıds | | | | |
| | Metal displacement issues: Not a biggy. Sparse, skinny bands OK with bore matching and adequate space between the ban Wider bands like on CEB: Deeper space between bands is a good thing. | ds. | | | | |
| | Bore-Rider versus Semi-Bore-Rider amongst the 50BMG bullets: | | | | | |
| | Sorry. | | | | | |
| | This Image Is currently Unavailable | | | | | |
| | | | | | | |
| | - The AAA Harlow 705-grainer on the far left above is a "Semi-Bore-Rider" (moly-coated copper). | | | | | |
| | The brass Barnes 800-grainer second from right is a "Bore-Rider." The Hornady 750-grain A-Max has no bands and makes no claims to any bore riding status at all. The remaining two bullets are GSC HVs, 700-grainer next to the Harlow, and 850-grainer on the far right: These two GSC HVs are truly TRUE BORE-RIDERS. | | | | | |
| | Bore-Riders may be accurate "enough" in a standard throat, but, for best accuracy, Bore-Riders require special throating, very short throated, with full rifling engagement of the bullet very close to the chamber's case mouth: Zero parallel-sided free-bore, leade-only throat, and tight leade at that! | | | | | |
| | But a Bore-Rider can have a wasp waist in the shaft, like the Barnes which has only two broad bearing bands, one on either side of the wasp waist. | | | | | |
| | "Bore-Riding" matching of a bullet diameter to the bore diameter seems to apply only to the ogive of the bullet, where everything in front of the loaded case mouth of the cartridge tapers down from an exact bore diameter, and it must match bore diameter only in that critical area, to allow zero wobble in starting into the rifling. | | | | | |
| | And that gets us back to 416Tanzan's .338 where this digression started. | | | | | |
| | | | | | | |
| | Posts: 28032 Location: KY Registered: 09 December 2001 | s. | | | | |
| Seasons44 One of Us | posted 17 November 2013 19:29 | <u>Hide Post</u> | | | | |
| | [QUOTE]Originally posted by michael458: Seasons44 | | | | | |
| | Excellent work That 150 45 ACP is a very impressive bullet. I have yet to decide on the exact load I am going to use with just yet. I think it is the most effective 45 acp bullet I have ever tested, or dealt with at all | 1 mine | | | | |
| | Thank you Michael, I am extremely impressed with this bullet as well , theres a reason why the 45 is a step above the 44. If haven't tried power pistol yet, you won't be disappointed, I think it is a real performer. I am running 9 grains getting 1240 or 5" 1911 | | | | | |
| | Seasons44, I think these bullets have good performance aiming for the heart and lungs turning them into mush and causing great shock the animals system. If the shot allowed I would go for those organs rather than the shoulder IMHO. | to | | | | |
| | Boom, My plan on this test was to see what these bullets would do if they impacted bone, would they still preform as they are desi too. Its not a perfect test but gives us a good idea that these bullets will do if you impact bone by chance. Simply, Elegant but always approachable | gn | | | | |

| | Posts: 354 Location: New Jersey Registered: 24 May 2011 | 3" |
|-------------------------|---|----------------|
| Seasons44 One of Us | posted 17 November 2013 19:44 | Hide Post |
| | quote: | |
| | Originally posted by michael458: BREAKING NEWS FROM SAM IN ZIMBABWE: | |
| | I just got off the phone with Sam. Yesterday they had one hell of a time with a "Rogue" elephant it seems The sat phone was breaking up, so it was hard to get the full story, but from what I gather they came upon a bull | |
| | elephant resting under a shade tree yesterday. Decided it was not a shooter, but the elephant winded them and decided for them! He came at full charge, PH shot with 375 HH, no effect, Sam hit him with 577 Nitro, elephant goes down, but not brained, gets up, apple shooting too, PH shooting, Sam Shooting, apple hits elephant in the hip, breaking him down, he is pawing the ground to get to them at this point, Sam hits him in the chest and finally puts the elephant down for good in the end, 10-12 ft All shots missed brain in this full charge, but the 577 hammered him to the dirt at least a couple of times before the hip shot by the apple. Sounds like it was a full on wa with three guns in play Very exciting I would think In the end, 577 takes him out with heart shot. | |
| | Sam is out now hunting either cow buffalo or tuskless I was not able to get when he was going to be on his way home? | |
| | FootNote: PH is now looking for something bigger than 375 | |
| | Michael | |
| | Sounds like one hell of a time for Sam, Glad nobody got hurt, but seeing how Sam shoots that 577 glad he had the hamme | er |
| | Simply, Elegant but always approachable | |
| | Posts: 354 Location: New Jersey Registered: 24 May 2011 | c " |
| boom stick One of Us | posted 17 November 2013 19:55 | Hide Post |
| | quote: | _ |
| | FootNote: PH is now looking for something bigger than 375 | |
| | And some new underpants! 🐨 | |
| | Thank goodness Sam had his 577 and super bullets for the elephant poop hitting the fan. | |
| | 577 BME 3"500 KILL ALL 358 GREMLIN 404-375 *we band of 45-70ers* (Founder) | |
| | Single Shot Shooters Society S.S.S. (Founder) | |
| | Posts: 27557 Location: Where tech companies are trying to control you and brainwash you. Registered: 29 April 2005 | <u>s</u> |
| 416Tanzan One of Us | g posted 17 November 2013 20:37 | Hide Post |
| Fine 42 | We will appreciate more updates on that elephant. | |
| | It's a good story for the endless discussions about 375 being good enough for dangerous game. Yes, bullet placement is but calibres are chosen because bullet placement is not always ideal. That's why they make larger calibres and is part of t reason for bores that start with '5'. If the PH is a bolt-man, he could do worse than a 500MDM, 500AR Nyati, or 500 A2. | |
| | +-+-+-+-+-+-+ | |
| | "A well-rounded nunting battery might include: 500 AccRel Nyati, 416 Rigby or 416 Ruger, 375Ruger or 338WM, 308 or 270, 243, 223" Conserving creation, hunting the harvest. | |
| | Posts: 4253 Registered: 10 June 2009 | ് |
| RIP one of us | posted 18 November 2013 02:40 | Hide Post |
| | Rat Caliber reviewed in HANDLOADER #287 (DEC 2013-JAN 2014 issue) by John Barsness. | |
| | This is a review of the review: Nice Article. Limited excerpts below. Regarding .224-cal, 41-grain, Talon-Tipped CEB Raptor: Author will "be very interested to see how it performs on game." | |
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1-7" (4 Groove)
1-7.7" (5 Groove)
1-8" (6 Groove)
1-9" (4 Groove)
1-9" (4 Groove)
1-10" (6 Groove)
1-12" (4 & 6 Groove)
1-14" (4 & 6 Groove)
1-14" (4 & 6 Groove)
1-16" (6 Groove)
Since the CEB's are so long for weight with tips installed,
I would be tempted to go with the 1:7".
John Barsness did a wee little better on CEB accuracy with the 1:8" instead of 1:9". Faster twist did not hurt accuracy with that
bullet.
There was a bizzare anomaly with the Hornady 75-grain A-Max:
The 1:8" barrel (a cut-rified Brux make) shot that bullet into 2.63" group,
while the 1:9" barrel (Lilja make) did 0.78" with same bullet.
Dohn Barsness said the throats on the two rifles were very similar. They must be fairly short throats to work well with what looks
like a bore-rider.
BTW, the two cartridges also have nearly identical case capacity.

John Barsness could check this forum if he wants to know about the terminal ballistics of this bullet on game. But he is an "experimenter" and "an experimenter must experiment," so he says.

Posts: 28032 | Location: KY | Registered: 09 December 2001

| One of Us | posted 18 November 2013 14:20 | Hide Post |
|------------------------|---|-------------------------|
| ALC. | RIP I had two old Win M70 Push feed guns here in 223 One sporter, one heavy barrel. Slow twist rates of course, probably 1 Some time ago I sent both these up to Brian to have both rebarreled. Brian had two stainless super duper match type barr some sort, don't recall by who or what. What I do know and requested was fast twist, both these have 1:8 twist rates. No know I ain't much of a rat shooter, but at 50 yds when I can do my part which is a chore for me, the 40s and 50s with tips installed are one hole dealsThe 55 #13 Hp is a one hole deal as well. I don't recall if I tried the 55s with tips however? T 1:8 barrels will handle them easy. All the 1:9 barrels I have tried are good to go as well. Have one remington, slower twist 1:12 that shoots 40 great, 50 ok, 55 ok, add tip to 55 and they are sideways Which we would expect | els of w you hese |
| | M http://www.b-mriflesandcartridges.com/default.html | |
| | The New Word is "Non-Conventional", add "Conventional" to the Endangered Species List! | |
| | Live Outside The Box of "Conventional Wisdom" I do Not Own Any Part of Any Bullet Company, I am not in the Employ Of Any Bullet Company. I do not represent, own stocl do I receive any proceeds, or monies from ANY BULLET COMPANY. I am not in the bullet business, and have no Bullets to se you, nor anyone else. | |
| | Posts: 8426 Location: South Carolina Registered: 23 June 2008 | c " |
| RIP one of us | posted 18 November 2013 19:31 | Hide Post |
| | Terminals are not so good if the bullet keyholes Without twist, bullet selection is limited, even for rats. | |
| | Posts: 28032 Location: KY Registered: 09 December 2001 | ď |
| Whitworth Moderator | posted 18 November 2013 19:47 | Hide Post |
| | quote: | |
| 1 | Originally posted by boom stick: Seasons44, I think these bullets have good performance aiming for the heart and lungs turning them into mush and causing grea shock to the animals system. If the shot allowed I would go for those organs rather than the shoulder IMHO. | at |
| | Nonsense. Many, myself included, like high-shoulder shots on animals, something you might not take with a handgun and a expanding bullet, but it is obvious that this bullet is fully capable of performing well on a high-shoulder shot. | a light |
| | "Ignorance you can correct, you can't fix stupid." JWP | |
| | If stupidity hurt, a lot of people would be walking around screaming. | |
| | Semper Fidelis "Building Carpal Tunnel one round at a time" | |
| | Posts: 13440 Location: Virginia Registered: 10 July 2003 | ď |
| boom stick | posted 18 November 2013 23:35 | Hide Post |
| One of Us | Yes, it is more than capable of those shots. I was thinking these bullets might have a better stopping power (less distance game running off) if put in the boiler room and shredded lungs but both would be good I bet. It will be interesting to see th reports on game. No flies on these bullets. | |
| | 577 BME 3"500 KILL ALL 358 GREMLIN 404-375 *we band of 45-70ers* (Founder) | |
| | Single Shot Shooters Society S.S.S.S. (Founder) | |
| | Posts: 27557 Location: Where tech companies are trying to control you and brainwash you. Registered: 29 April 2005 | c " |
| 7MMNut new member | posted 19 November 2013 04:57 | <u>Hide Post</u> |
| | quote: | |
| | Originally posted by 416Tanzan: | |
| | For example, yesterday, in a three-shot group two bullets were almost touching and a third bullet was a flyer about 3" higher. | |
| | Is this the common pattern? I ran into this same issue last winter with North Fork bonded cores. My flyers were flying quite badly, but 1 out of every 3 to 4 shots was always significantly off, while the others were always nice and tight. This was ot | |
| | in both my son's .308Win and my .300WM. | |
| | | |
| | in both my son's .308Win and my .300WM. Spoke to the gents at NF about it and the concern they expressed was about the brass I was using and specifically having consistent neck thickness. They recommended either turning my necks or buying better brass. I went with the latter buying | |
| MikeD One of Us | in both my son's .308Win and my .300WM. Spoke to the gents at NF about it and the concern they expressed was about the brass I was using and specifically having consistent neck thickness. They recommended either turning my necks or buying better brass. I went with the latter buying brass for my son's .308 Win and Norma for my .300WM. No two ways about it, that did the trick in both rifles. | J Lapua |
| | in both my son's .308Win and my .300WM. Spoke to the gents at NF about it and the concern they expressed was about the brass I was using and specifically having consistent neck thickness. They recommended either turning my necks or buying better brass. I went with the latter buying brass for my son's .308 Win and Norma for my .300WM. No two ways about it, that did the trick in both rifles. Posts: 584 Location: Phoenix, AZ Registered: 13 August 2004 posted 19 November 2013 22:21 OK fellas, I'll bite here. If we are going to standardize bullet neck tension, do we inside neck turn or outside neck turn? I'm serious here, guys, I would really like to know which is which and what is better because if this is going to stop these crazy | y Lapua |
| | in both my son's .308Win and my .300WM. Spoke to the gents at NF about it and the concern they expressed was about the brass I was using and specifically having consistent neck thickness. They recommended either turning my necks or buying better brass. I went with the latter buying brass for my son's .308 Win and Norma for my .300WM. No two ways about it, that did the trick in both rifles. Posts: 584 Location: Phoenix, AZ Registered: 13 August 2004 posted 19 November 2013 22:21 OK fellas, I'll bite here. If we are going to standardize bullet neck tension, do we inside neck turn or outside neck turn? I'm | Lapua |

| capoward One of Us | posted 19 November 2013 23:34 | <u>Hide Post</u> |
|-----------------------|--|------------------|
| | Mike that is an extremely good question and one that I'm certainly not qualified to answer. I am however very interested in comments and solution. | the |
| CC photobucket | Edit Added: I think perhaps an even more important questions are, "what is the proper neck tension for BB accuracy?" And then, is the best means to accomplish this proper neck tension?" | "what |
| | Jim 🕰 "Life's hard; it's harder if you're stupid" John Wayne | |
| | Posts: 4954 Location: Central Texas Registered: 15 September 2007 | ් |
| RIP one of us | posted 20 November 2013 04:27 | <u>Hide Post</u> |
| | Outside-neck turning is a fine art and a science. I have some Forster and RCBS tools for it, but never got into it, played with it and found it incredibly tedious. | |
| | I am a fine inside neck reamer, much easier. | |
| | I had to learn to do that to get rid of the "Dreaded Doughnut" inside the necks of .375/.338 Lapua Magnum wildcat. | |
| | Something as simple as that might uniform the necks enough for this. | |
| | You have to fire your new brass once. Then use inside-neck reamer of bullet diameter. It is a simple, pilot-like reamer you chuck into your case trimmer instead of the usual pilot. Mine are from Forster IIRC. After reaming, full-length re-size the brass. Trim the brass to proper length and square the case mouth, chamfer and deburr. | |
| | Firing in the a proper, good chamber will make the outside of the brass neck concentric. | |
| | This assumes the chamber neck is not oversize or nonconcentric. Then reaming inside of that will hopefully maintain the concentricity and produce uniform enough wall thickness. | |
| | About outside-neck turning, I am like President Obama, I know nothing about it until somebody tells me about it long after I | |
| | needed to know about it. Obama: The know-nothing president, whose honesty and intelligence have been greatly exaggerated. If his lips move again he should be impeached. | |
| | And I realize I should learn the "truths" of outside-neck turning before the next scandal. | |
| | Posts: 28032 Location: KY Registered: 09 December 2001 | ď |
| Dave Bush | posted 20 November 2013 21:46 | Hide Post |
| One of Us | | |
| Them information | quote: Originally posted by MikeD: | 1 |
| 1 sorver | OK fellas, I'll bite here. If we are going to standardize bullet neck tension, do we inside neck turn or outside neck turn? I'm being serious here, guys, I would really like to know which is which and what is better because if this is going to stop these crazy fliers that we all seem to get, I'm going to do it. | |
| | What does Shootaway say? Dave DRSS Chapuis 9.3X74 Chapuis 9.3X74 Chapuis "Jungle" .375 FL Krieghoff 500,416 NE Krieghoff 500 NE "Git as close as y can laddie an then git ten yards closer" "If the biggest, baddest animals on the planet are on the menu, and you'd rather pay a taxidermist than a mortician, consid 500 NE as the last word in life insurance." Hornady Handbook of Cartridge Reloading (8th Edition). | er the |
| | Posts: 3728 Location: Midwest Registered: 26 November 2006 | ď |
| capoward One of Us | posted 20 November 2013 21:59 | <u>Hide Post</u> |
| | quote: | |
| | Originally posted by Dave Bush: | |
| | quote: | |
| | Originally posted by MikeD: OK fellas, I'll bite here. If we are going to standardize bullet neck tension, do we inside neck turn or outside neck turn? I'm being serious here, guys, I would really like to know which is which and what is better because if this is going to stop these crazy fliers that we all seem to get, I'm going to do it. | |
| | What does Shootaway say? | |
| | | |
| | TOPIC! No need to bring 'that' into the conversation Dave! | |
| | Jim 🖓 | |
| | "Life's hard; it's harder if you're stupid" John Wayne | |
| | Posts: 4954 Location: Central Texas Registered: 15 September 2007 | <u>c</u> " |
| MikeD | posted 20 November 2013 22:19 | Hide Post |
| One of Us | At the very least, we would have an alternative method for inside neck turning should Shootaway offer his viewpoint. | |
| | Posts: 97 Location: Houston, TX USA Registered: 17 April 2002 | ď |
| | | |
| | | |

| North Fork One of Us | ig posted 21 November 2013 01:04 | <u>Hide Post</u> |
|--------------------------------|---|------------------|
| | Hello, | |
| | We like outside neck turning. We have found it easier for us and for others. The sizing die will make the interior of the next concentric forcing the material to the outside. With outside neck turning, this material can then be removed and be concent the interior neck bore. | |
| | As RIP and 7mmNUT has stated, we have found the neck turning or good brass (Laupa or Norma) is the most significant th can do to make the most accurate ammunition possible. We had to convince ourselves and have many times over. If you a experiencing erratic flyers, inconsistent neck tension is the issue. | |
| | Regards, John | |
| | North Fork Technologies www.northforkbullets.com | |
| | Posts: 158 Location: Philomath, Oregon Registered: 26 August 2009 | ් |
| P e of us | posted 21 November 2013 02:13 | Hide Post |
| | I am going to resume teaching myself to outside-neck turn. It should ideally be done even to the cases that have been inside-neck reamed to get rid of the dreaded doughnuts. | |
| | Posts: 28032 Location: KY Registered: 09 December 2001 | ď |
| poward ne of Us | posted 22 November 2013 03:07 | Hide Post |
| chotobucket | quote: | _ |
| | Originally posted by RIP: I am going to resume teaching myself to outside-neck turn. It should ideally be done even to the cases that have been inside-neck reamed to get rid of the dreaded doughnuts | |
| | Just have to assure the cartridge you're inside/outside neck reaming is not a cartridge spec' with a larger shoulder/neck ju diameter than the case mouth diameter - such as the .338 LM - else you might suffer excess in working of the neck area du firing/reloading process resulting in shortened case life with a fully parallel-concentric neck. | |
| | Jim 🛱 "Life's hard; it's harder if you're stupid" John Wayne | |
| | Posts: 4954 Location: Central Texas Registered: 15 September 2007 | ් |
| [P ne of us | posted 22 November 2013 03:52 | Hide Post |
| | quote: | |
| | Originally posted by capoward: | |
| | quote: | |
| | Originally posted by RIP: I am going to resume teaching myself to outside-neck turn. It should ideally be done even to the cases that have been inside-neck reamed to get rid of the dreaded | |
| | doughnuts. | |
| | Just have to assure the cartridge you're inside/outside neck reaming is not a cartridge spec' with a larger shoulder/neck junction diameter than the case mouth diameter - such as the .338 LM - else you might suffer excess working of the neck area during firing/reloading process resulting in shortened case life with a fully parallel-concentr neck. | |
| | | |
| | Jim, | |
| | You really gotta work on those run-on sentences. Think Hemingway, not James Joyce. 😂 | |
| | The special treatment of reaming then turning applies only to wildcats where it might be necessary. And only if necessary. | |
| | Best to start with good brass and not have to mess with it, eh? | |
| | As to your previous question about outside neck turning: There are no absolutes, everything is relative, and it depends. Viking Law. For big bore guys, just a remedy for "fifters" due to non-uniform brass. | |
| | But the ratgun shooters swear by it, eh? I have not had a need for it yet, outside neck turning. Knock wood. | |
| | Posts: 28032 Location: KY Registered: 09 December 2001 | ď |
| apoward ne of Us | posted 22 November 2013 04:01 | Hide Post |
| a chortobucket. | Ron, | |
| | Yep, extremely long sentence. Just lucky it was somewhat coherent since I'm using my iPad. 🞯 | |
| | Jim 🛱 "Life's hard; it's harder if you're stupid" John Wayne | |
| | John Wayne | |
| | Posts: 4954 Location: Central Texas Registered: 15 September 2007 | ් |
| rose 📓 posted 23 | Posts: 4954 Location: Central Texas Registered: 15 September 2007 | <u>c</u> " |
| ne Dosted 23 | | |

started waiking fast to get up close. As I got to within about 35 yards in dawned on me that he was facing me not away from me. OOPs now I've got a big hippo facing me and that little triangle brain spot looks mighty hard to see in the dark. I tried to focus on it but just couldn't make it out with the bead on it. Thankfully the hippo turned broadside to run to the water and I shot him on the shoulder and then behind the shoulder with a quick right left. Oh the joy of a double. The hippo stumbled from the first shot and tuned away from the second. As he was running into the water I put a third shot into him just forward of the hip quartering away. We had to come back neck morning to recover him because it was dark.

Hide Pos







You can see in second photo the three bullet holes, one in the shoulder, the next behind the shoulder which was quartering a little and the oblong holes that was the third follow up shot as the hippo entered the water. The rib cage photo shows the hole from the follow up shot which ended up at base of skull. Its the hole with the blood pouring out of it.





| | Posts: 2823 Lo | ocation: NC Registered: 08 July 2006 | | ප් |
|-----------------------------|--|--|-----------|----------|
| <mark>mete</mark> one of | us | posted 23 November 2013 13:58 | Hide Post | |
| | | Very good ! But you'll have to learn the difference between front and back of the hippo !! 🔞 | - 11 | |
| | | Posts: 7636 Registered: 10 October 2002 | ් | |
| srose One of | Us | posted 23 November 2013 14:10 | Hide Post | |
| | | Yep old eyes are starting to get me in trouble. If it wasn't for my peep sight I would have had to let him go for another day. | | |
| | | Sam | | |
| | | Posts: 2823 Location: NC Registered: 08 July 2006 | C" | |
| <mark>srose</mark> One | posted 23 | November 2013 14:21 | | Hide Pos |
| of Us | So you want to This first photo low chest with | <image/> | | |
| | | | | |
| | | another less than perfect shot on a waterbuck with a 700 grain CEB Safari Bantor tipped 577. You again can see the petals n | | from |

The second is another less than perfect shot on a waterbuck with a 700 grain CEB Safari Raptor tipped 577. You again can see the petals moving away from the main bullet. The waterbuck story is long and I'll give that in my hunting report later.



| capoward One of Us | posted 23 November 2013 20:28 | <u>e Post</u> |
|-------------------------|---|---------------|
| | quote: | |
| | Originally posted by ledvm: Michael, | |
| | Here is a question for you. Going to Zim this next year for a strictly trophy bull ele hunt…except for any exceptional trophies of opportunity. Taking my .500 NE double and my scoped .458 WM M70. | |
| | Let's say I kill a 100 lb'er the first day 🚳the remainder of the huntI will put out some leopard baits. My leopard rifle will be my .458 WM with 420g CEB Safari Raptors going ~2300 fps. | |
| | Will that bullet shear on a leopard? | |
| | Not Michael but I'll throw my 2€in anyway. | |
| | Lane I would use the Talon Tipped 250gr Socom bullet that Michael used in his last hunt. It ought to work very nicely on leopard. | |
| | Jim "Life's hard; it's harder if you're stupid" John Wayne | |
| | Posts: 4954 Location: Central Texas Registered: 15 September 2007 | ് |
| capoward One of Us | posted 23 November 2013 20:30 | <u>e Post</u> |
| | Sam welcome back from a productive trip. I look forward to your hunt report. And yes it sucks getting old! | |
| | Jim "Life's hard; it's harder if you're stupid" John Wayne | |
| | Posts: 4954 Location: Central Texas Registered: 15 September 2007 | ° |
| michael458 One of Us | posted 23 November 2013 20:53 | e Post |
| Real | quote: | |
| M.Y | Originally posted by ledvm: | |
| - | Michael, Here is a question for you. Going to Zim this next year for a strictly trophy bull ele huntexcept for any exceptional trophies of opportunity. Taking my .500 NE double and my scoped .458 WM M70. | |
| | Let's say I kill a 100 lb'er the first day 🕲the remainder of the huntI will put out some leopard baits. My leopard rifle will be my .458 WM with 420g CEB Safari Raptors going ~2300 fps. | |
| | Will that bullet shear on a leopard? | |
| | | |
| | First off Lane, before you leave, we will have loads for the 420 Raptor far beyond 2300 anyway, maybe I come up with a magic | |
| | mixture by then HEH | |
| | Will it shear? Yes, it will, without any issues at all I would agree with Jim concerning the 250 Socom, however, since you are mainly after Elephant, and having both guns set up for | r |
| | that purpose, the 458 as backup with 450/420 same POI, then the 250 Socom would have to be resighted for that purpose. I assume this is the case And the 420 would serve well for this purpose | |
| | м | |
| | http://www.b-mriflesandcartridges.com/default.html | |
| | The New Word is "Non-Conventional", add "Conventional" to the Endangered Species List! Live Outside The Box of "Conventional Wisdom" | |
| | I do Not Own Any Part of Any Bullet Company, I am not in the Employ Of Any Bullet Company. I do not represent, own stock, nor do I receive any proceeds, or monies from ANY BULLET COMPANY. I am not in the bullet business, and have no Bullets to sell to you, nor anyone else. | |
| | Posts: 8426 Location: South Carolina Registered: 23 June 2008 | ് |
| | | |
| | | |
| | | |

| 7MMNut new member | 围 | posted 23 November 2013 21:16 | <u>Hide Post</u> | |
|----------------------|------|---|------------------|--|
| quote: | | | | |
| | | Originally posted by michael458: | | |
| | | quote: | | |
| | | Originally posted by ledvm: Michael, | | |
| | | Here is a question for you. Going to Zim this next year for a strictly trophy bull ele huntexcept for any exceptional trophies of opportunity. Taking my .500 NE double and my scoped .458 WM M70. | | |
| | | Let's say I kill a 100 lb'er the first day $\widehat{\mathbf{w}}$ the remainder of the huntI will put out some leopard baits. My leopard rifle will be my .458 WM with 420g CEB Safari Raptors going ~2300 fps. | | |
| | | Will that bullet shear on a leopard? | | |
| | | | | |
| | | First off Lane, before you leave, we will have loads for the 420 Raptor far beyond 2300 anyway, maybe I come up with a magic mixture by then HEH | | |
| | | Will it shear? Yes, it will, without any issues at all | | |
| | | I would agree with Jim concerning the 250 Socom, however, since you are mainly after Elephant, and having both guns set up for that purpose, the 458 as backup with 450/420 same POI, then the 250 Socom would have to be resighted for that purpose. I assume this is the case And the 420 would serve well for this purpose | | |
| | | м | | |
| | | | | |
| | | ou have two scopes in QD rings like I do. My Nikon 1-4 is setup for the 420gr Raptors / 450gr Solids. The other scope, ently a Zeiss 3-9, is setup for the SOCOMs. | | |
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