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Refiles
Big Bores
Terminal Bullet Performance

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quote:

Originally posted by 465H&H:

... I personally wouldn't use any FN solid in that type of circumstance. They all penetrate so well that you can't have any confidence at all that they will stay in the animal.

There lies the dilemma. FN bullets are too good to use?

But then you say:

quote:

Calibers with relatively high velocity and heavy for caliber bullets such as the 375 H&H, 416 Rigby, 458 Lott and 505 Gibbs will usually do so no matter what their nose design ...

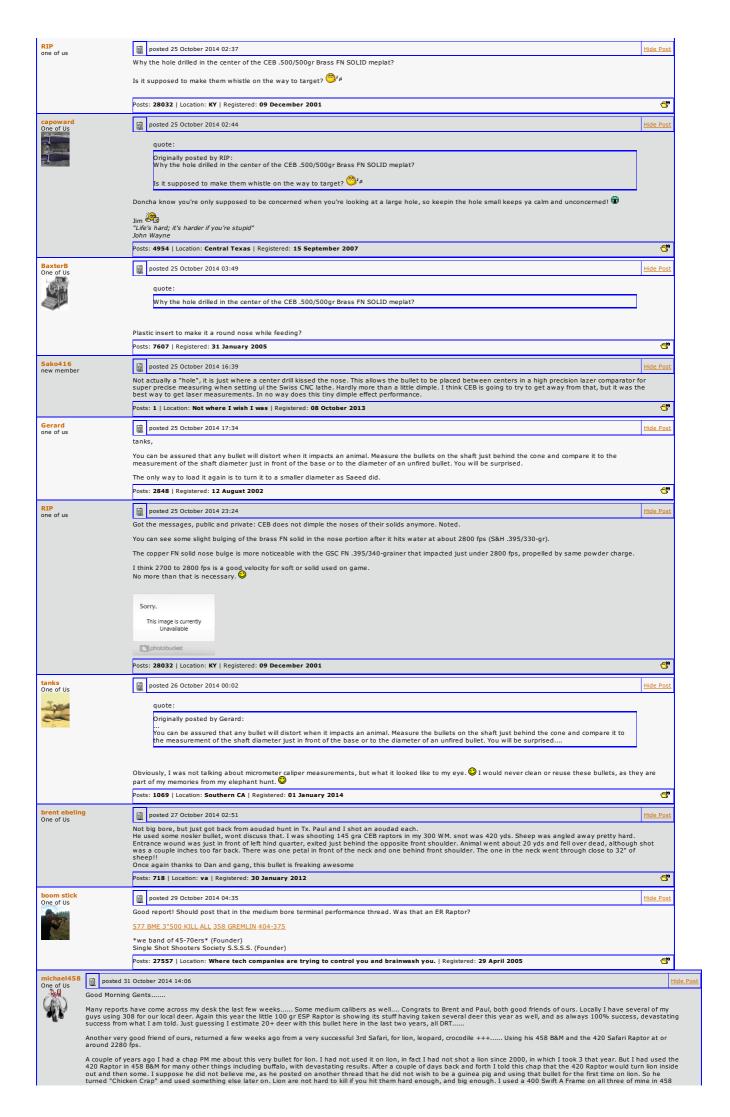
So, is it the bullet design or the caliber?

My take is that always be cognizant of what is behind one's target as there is always a possibility that the bullet might exit. With that I will use the best bullet I can find, in my case it is the CEB solids.

Below are couple of 500gr solids at 2350fps (500MDM) that were recovered. The one on the left (and bottom depending on the photo) went through the head and was found in mid spine (instant CNS) about 6+ feet of penetration. The other one was a quartering shot where it went through the left shoulder and was found on the right hip, almost 10 feet of penetration. They did the job.

No distortion at all either. I could probably re-use them if I wanted \bigcirc .





Winchester at 2325 fps, it hammered the hell out of them all three DRT.

From the report given me my friends lion took the hit from the 420 Raptor at 2280 fps and rolled over on his back with legs kicking in the air, DRT and that was it. 5 of the six blades made it all the way across to the other side, and internal damage was incredible, and of course the remaining bullet exited, not sure but I think one or more of the blades actually exited as well..... His leopard was dead at the base of the tree, croc never made a move after the shot, so the 420 Raptor was successful on yet another great safari. Exactly as expected....

Sam and our good friend Mike just returned from Gache Gache hunting with Andrew and Corris. Good report over on the Hunting Reports, go look it up. Sam using his 577 Nitro with the 600 Raptor/650 #13 Solid combo, and Mike using his 500 Nitro with the 475/510 Combo, both very successful on buffalo, elephant, hippo. My pal Sam in addition took a spotted demon with some sort of rat gun and Raptor as well.... I will let them tell you about this adventure and how the bullets did......

I posted a bit of this a couple of weeks ago on the B&M thread here, but it is well worth repeating again here. Just a couple of weeks before leaving with Sam for Gache, Mike went to Alaska with his 458 B&M outfitted for moose using the 250 Socom at 2900 fps. Getting ready for this hunt Mike was regularly shooting 300 yard MOA groups with this combo. CORRECTION FROM MIKE (Not that I am that fussy, but I actually shot a 1 inch group at 300 yards) And even shooting to 400 yards with it and hitting anything he wanted to hit. Mike is a very very good shooter. Mike hit his moose on the shoulder at 200 yards, moose goes down, still wiggling when approached Mike hits him again. Both remaining bullets of the 250 Socom exits this big moose, and blades make it to the far side of this moose, with on their bifar side....... Petty amazing..... But I had used this same velocity, same cartridge on 15+ plains game in 2013 including zebra, wildebeest and such with the same results.... Hammered. This big moose was hammered too......



Another report involves our own AR member, and friend Stan. Stan is an elephant hunter. He got a 500 MDM a couple of years ago or so and has taken many elephant with it in his quest for the "100 Pounder". Using a 500 gr Safari Solid Stan has taken upwards of 25+ elephant with his 500 MDM and the 500 Solid. I am taking a bit of a guess at this number, so it may not be exact. This year Stan was indeed all over his 100 Pound goal however with this incredible 90+ pounder taken with his 500 MDM and the 500 Safari Solid.







If Stan is looking in he can chime in and give us more direct info on it....... Huge congrats to Stan on this.

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



quote:

Originally posted by Mike70560: On November 3rd it will be five years this thread has been active.

Through all the testing, arguing, disagreements, cynicism, and sharing of good information my personal knowledge of bullet performance has increased dramatically over the past five years. And that is not to say I agree with everything posted here by people I respect, but there has certainly been good information shared between parties.

So to everybody that has participated and especially Michael and Sam I would like to offer a big thanks for all of the effort put forward. And of course wish a Happy Five Year Anniversary to a very interesting, informative, and at times, entertaining thread.

Things of beauty

Sorry. This Image Is currently photobucket

Indeed, many thanks to everyone that has participated in our little adventure, and Mike, many thanks to you as well, you were a major part of this effort, doing test work on your own as well. There has been a great deal of education put forth here by many, and we have all learned much from it. We learned exactly the factors that make a big bore solid work, we learned how and why a Non-Con works, we learned much about our current bullets available. Thousands of rounds have been tested and fired downrange, and all proven worth in the field on everything we use big bore rifles for.

Five Years!...... Seems quite a long time, but look at all that has been accomplished in that relatively short period of time when you really think about it. Very near the point that I don't know where one can go from where we are currently? There is no doubt in my mind that we have been successful on our adventure and the reports that come back from the field on very nearly every single hunting adventure prove it, over and over again. Terminal test work has very nearly ended, not much need for that these days. I have a few things lingering that will be done this winter, but of little consequence.

As we progressed over the last 5 years I personally became attached to two bullet companies, Cutting Edge Bullets and North Fork Technologies. Both willing to work with us to increase and enhance performance. And both companies continue the research on their own to improve our performance in the field. I believe we as shooters and hunters should support the companies that support us, that support performance over everything else. Smaller companies lean in this direction, CEB, North Fork, GSC, in my opinion do this and deserve our support in return.

As for our test work here, recently John from North Fork and myself made some changes in the bands on a few of the North Fork solids. For a lack of better term, I call them the B&M bands. I have these new bullets on hand, 500 callber 450 gr FPS, 458 callber 450 gr FPS, and a .416 callber 350 FPS. All which have the improved North Fork Nose Profile, and in addition I shortened the nose projection on these from .700 to .600. The bands include 2 top bands at .050 wide, with a .075 gap in between for crimping if required or needed, followed below those two bands are the normal North Fork bands, and at the bottom a third. 050 band. Now, in my opinion with these two bands at the top give a more firm grip on the bullet as it starts into the bore, then guided by the 3rd bottom band to keep everything aligned properly, adding consistency to accuracy. What limited work I have done so far tends to prove this out, but there is more to be done in that area. In addition I will be doing pressures studies to make sure the bands equal or do not increase pressures, which I don't think they will in and by themselves, as total bearing surface should be close to the same as without the wider bands. Reason, there are less normal NF Bands, so it should come close to equal. What might increase pressures is more bullet in the case, by shortening the nose projection. However, I don't think there will be a lot of difference there, and maybe none at all. I will be doing several tests in this regard over the coming weeks, or months as I can get to it. I will also do some limited barrel strains as I still have a .458 barrel hooked up for that purpose. Goal to compare the old style bands with the new bands to see if there is a increase in barrel strain or not. I don't suspect there will be, but can test anyway.

Here is a look at the new bands compared with some of the older bands and some older nose profiles.



Michael

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