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Accuratereloading.com 🚳 The Accurate Reloading Forums 🗿 THE ACCURATE RELOADING.COM FORUMS 👔 Rifles 📸 Big Bores 🔁 Terminal Bullet Performance Page <u>1 ... 116 117 118</u> **119** <u>120 121 122 ... 304</u>

Go 🧭 New 👩 Find 🔍 Notify 🙈 Tools 🗞 Reply 🔖 🔖 Terminal Bullet Performance **★★★★☆** posted 12 January 2011 15:06 quote: Originally posted by CCMDoc: Didn't you two have this very same discussion about 100 pages ago? I think we have been over some of this material before??? HEH HEH! Damn, you busted me--Top Secret, I am working on a bullet now, that will inject into the bloodstream of any large dangerous animal, once in the blood stream it goes straight to the heart and part of it shears off, exploding the heart, the remaining slug left continues on that last big pump of the heart directly to the brain in which yet another small device triggers the second part of the explosive charge inside the brain cavity, a double wammy bullet you might say, taking out the heart and then the brain as well! How did you know this? Well anyway, I am still experimenting with it and have yet to take it into the field. However it does look very good so far in the fact that it does everything anyone could desire, and does not exit at all, but yet is very deadly, WE THINK? Nope, I am and always will be in the DEEP and STRAIGHT Penetration above all else camp. Now speaking of penetration—I am far behind from where I wanted to be at this point this morning. I did manage to get a couple of boxes of medium ready, but I am short on witness cards, and I have not even got the test loads loaded as yet. Between REAL work, phone time, and other duties I was not able to get as far as I wanted. This morning, witness cards and loading. Hopefully by mid morning I can get started on the range with some much needed testing of NonCons. We are going to turn NonCons inside out this week and next. We are going to ests with them and see what we can learn. By the time we start taking them into the field, there should be no unanswered questions! So instead of me sitting here on my ass typing away, I am headed to the "Lab" to get prepared! 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 ď fourbore One of Us posted 12 January 2011 18:44 Hide Pos Ive been re-read some of this because I missed a lot, can someone point me to a page 1 - 119 if these is any data comparison of pure copper to My guy feeling is pure copper would work well. Pure metals often mush a bit but don't fracture easily as do many alloys. Easier on barrels too? Or no? This is great stuff, to re-stated the obvious. I see the potential for an excellent magazine or online article, or a series. A summary of conclusions with data, or maybe three parts.

1. Bullet shape effects on penetration of solids.

2. Material and velocity effects on reliability of solids?

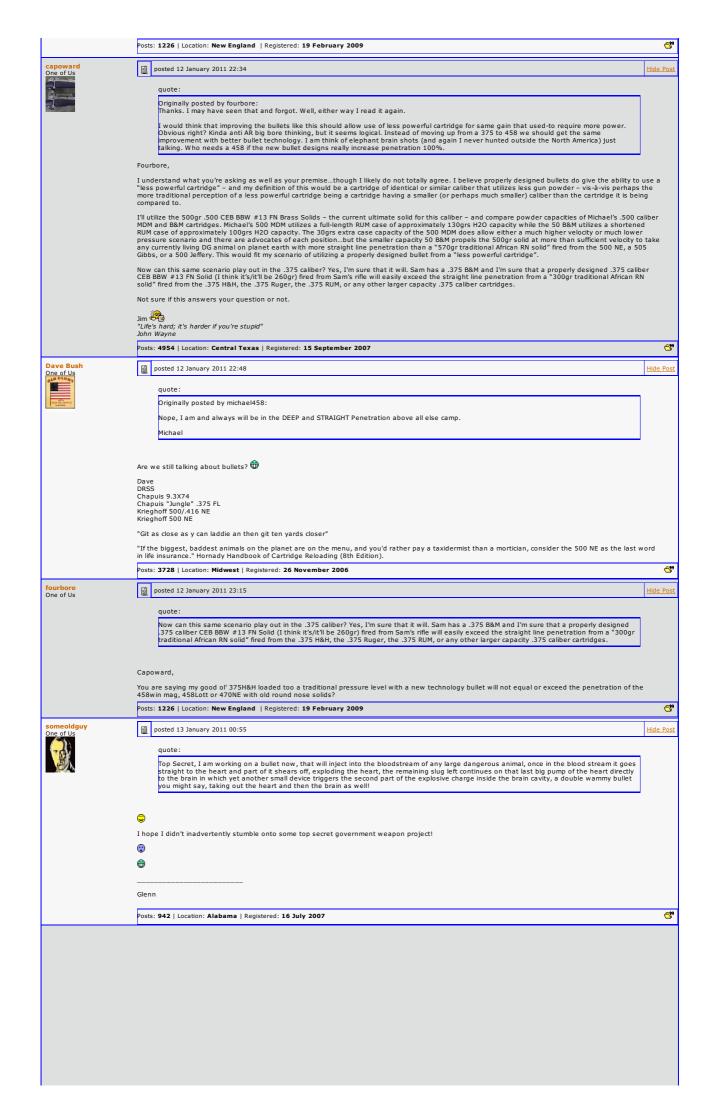
3. Design ideas for expanding bullets. It getting to be a lot of digging. How about a link to a website with some spread sheets? Links could be added to the initial post 1 page 1 Posts: 1226 | Location: New England | Registered: 19 February 2009 **€**?9 posted 12 January 2011 21:18 Hide Pos quote: Originally posted by fourbore: Ive been re-read some of this because I missed a lot, can someone point me to a page 1 - 119 if these is any data comparison of pure copper to brass/bronze alloy bullets? My guy feeling is pure copper would work well. Pure metals often mush a bit but don't fracture easily as do many alloys. Easier on barrels too? Or no? This is great stuff, to re-stated the obvious. I see the potential for an excellent magazine or online article, or a series. A summary of conclusions with data, or maybe three parts.

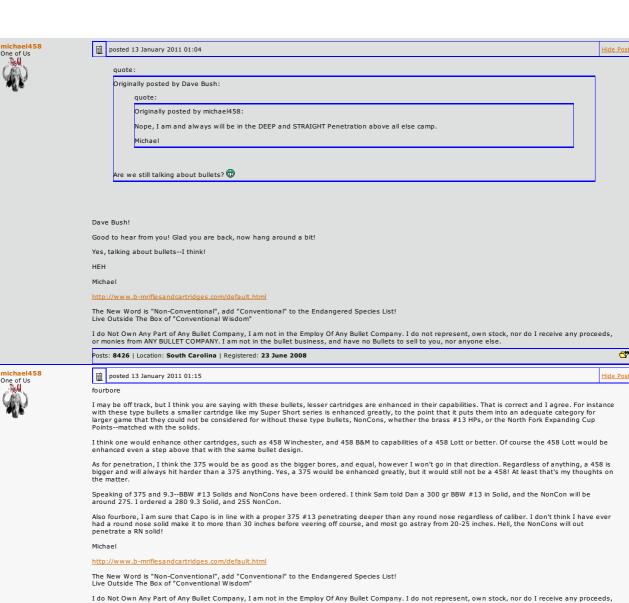
1. Bullet shape effects on penetration of solids.

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3. Design ideas for expanding bullets. It getting to be a lot of digging. How about a link to a website with some spread sheets? Links could be added to the initial post 1 page 1. Page 98-100 has some very good information relating to this. Unfortunately I don't recollect which page has the T-Rex comparison between solids in brass and copper...but to the best of my recollection the nose of the copper deforms (flattens) while the nose of the brass bullet stays pretty much unscathed. Jim 🕰 "Life's hard; it's harder if you're stupid" John Wayne €" Posts: 4954 | Location: Central Texas | Registered: 15 September 2007 fourbore One of Us Hide Pos posted 12 January 2011 21:41 Thanks. I may have seen that and forgot. Well, either way I read it again.

I would think that improving the bullets like this should allow use of less powerful cartridge for same gain that used-to require more power. Obvious right? Kinda anti AR big bore thinking, but it seems logical. Instead of moving up from a 375 to 458 we should get the same improvement with better bullet technology. I am think of elephant brain shots (and again I never hunted outside the North America) just talking. Who needs a 458 if the new bullet designs really increase penetration 100%.





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Posts: 8426 | Location: South Carolina | Registered: 23 June 2008

639

One of Us

posted 13 January 2011 01:16

Originally posted by someoldguy:

Top Secret, I am working on a bullet now, that will inject into the bloodstream of any large dangerous animal, once in the blood stream it goes straight to the heart and part of it shears off, exploding the heart, the remaining slug left continues on that last big pump of the heart directly to the brain in which yet another small device triggers the second part of the explosive charge inside the brain cavity, a double wammy bullet you might say, taking out the heart and then the brain as well!



I hope I didn't inadvertently stumble onto some top secret government weapon project!





You must be careful Glenn! Watch what you step into



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Posts: 8426 | Location: South Carolina | Registered: 23 June 2008



posted 13 January 2011 01:31 How about a BULLET REPORT????????

OK, I am way behind my own schedule I set Monday. I have lot's of things I want to look at, in particular with the NonCons in .510 and the .458s and .457s. But I am just having a hard time catching up and getting to it as quickly as I wanted. I did manage to get a little done today however with the .510s.

The only .510 I have is that BIG HEAVY FAT RUGER M77 POS, that won't feed anything, but it does make an excellent test rifle for .510. OH, I am sorry, I forgot I do have a couple of 50 AKs at .510--but I don't count them, a little too slow.

This new CEB BBW #13 Nitro Express--only difference between that and the other is the space between bands at the top--so they work dandy in a bolt rifle as well, which is what I have in 510 Wells. But many of you will be using these bullets in 500 Nitro, so I dropped the charge down low, right at or around 2100 fps, with the 570 gr BBW #13 Solid and the 535 gr BBW #13 NonCon. This would give you guys a good idea of performance at this velocity.

The 570 #13 Solid did very well at this velocity, more than enough to do anything you need to do!



The NonCon Performed very good, as I suspected it would. I did put Witness Cards in every two inches, and not 1 inch. As it works out the blades are shearing right on 2 inches, and in this case penetrating up to 7 inches at this velocity. I find some that have hit the side of the box at that point, since they are moving away from center. Now if they shear at two and penetrate to 7, that's 5 inches of penetration with the blades alone. Now, FYI--I have tested 38 specials that WONT penetrate 5 inches in this medium!!!!

The 535 CEB BBW #13 HP NonCon is a superb buffalo HAMMER! Penetration of the remaining slug, excellent!



A couple of other things that come to mind. When loading these, both 570 Solid and 535 NonCon are the same exact load, I used 95 grs of RL 15 in this load. Not much difference in velocity of the two bullets. At 25 yds, exact same POI. I plan on testing tomorrow the POI at 50 yds with these bullets, increased to 96 grs RL 15 and hope to be around 2150 or so.

When loading, these are the same exact bullet outside dimensions, once you set your seating plug, you don't change going from solid to HP or back and forth. Small point, but makes things a step easier.

I did test at higher velocity, but I am out of time, will post that in the morning for you. Chew this over for now

Michael

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Posts: 8426 | Location: South Carolina | Registered: 23 June 2008



posted 13 January 2011 04:26 Hide P

One of Us

quote:

Originally posted by srose: Michael,

That .510 looks like it did great! I got the 2 boxes you sent me and I will load them up in the 500 Nitro to see how they regulate in my doubles. I'm sure from all the other CEBs I've shot they will do fine. Can't wait to hammer something with them.
Thanks for testing them!

Sam

Yep, the .510s do look great, very pleased with them. Well so far the design has carried over to every caliber we have worked with and it continues. I think we got it down right! I have to admit, that I am surprised that in all your doubles, in 465HH double, and the others that have tried, they all regulate with the loads they have been using. So Far. Now, there are some other bullets going out this week, some to double guys, so if we can get some feed back from them that will be good as well.

Look here, I may need to load some 500 Nitro and 470 Nitro soon, Should I just get some dies, and can I load that on the Dillons without issue? I am not sure I have a shell plate or not for those?

One of my guys in Zim wants to try them in his 500 Nitro this year for his hunting. Marty, one of the owners of HHK will be making a plan to visit with us at some point soon and getting his 470 Nitro ready to hunt with the #13s this year also. I might need your assistance in these matters!



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Posts: 8426 | Location: South Carolina | Registered: 23 June 2008



posted 13 January 2011 04:29

Hide Pos

quote:

Originally posted by srose: Michael,

I got the 2 boxes you sent me

Sam

I only sent you two boxes? Hell I shot two boxes of them today!



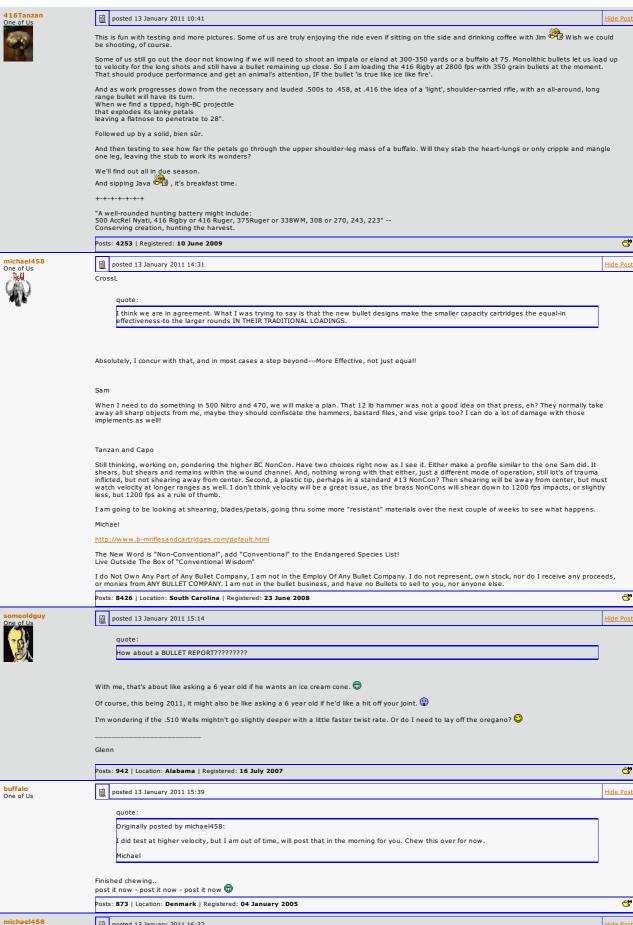
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Posts: 8426 | Location: South Carolina | Registered: 23 June 2008





michael458 One of Us

posted 13 January 2011 16:32

In the 510 Wells I upped the charge from 95/RL 15 to 106/RL 15....This gave a velocity boost of 232 fps with the 570 CEB BBW#13 Solid, and 256 fps with the 535 NonCon. With the 535 NonCon that gave us roughly around 10% more penetration with the bullet. It gave us about an inch more with some of the blades. Some blades went just past the 8 inch witness card with the higher velocity NonCon, and at low velocity none made it to the 8 inch witness card. A fairly substantial galin in penetration with the 570 #13 Solid, around 15% more penetration.

Regardless of gain, even at low velocity the penetration is fantastic and more than enough with both NonCon and Solid. This just points out--Once Again--That these noncons like velocity, as well as this nose profile solid. North Forks like velocity as well, but operate very fine at lower velocities too. It's the nature of proper designed bullets I IMO.





I have a good bit of work to do in the coming days, just trying to get to it all is the issue right now. I have planned some POI tests with the 535 NonCon and 570 Solid at 50 yds. I also want to do some terminals with the new 480 .457 Solid and 450 .457 NonCon, then some 50 yd POI tests with these as opposed to the 450 Solid and 420 NonCon in .458. An interesting POI test will be the 450 Solid and 450 NonCon. With the 450 NonCon being slightly longer than the solid. Same time I will want to do some pressure traces with the 480s and 450 NonCons in the 458 B&M. Then, we will take these same bullets to the 458 Lott for POI and Terminals, and see if we can push them a bit!

I want to stress the NonCons a bit as well. While a T'Rex is a bit too much stress on a NonCon, to expect petals/blades to pass that I do not. The remaining bullet will. I will do a T'Rex on the NonCons. What I think is a better test on the NonCons is to take 2 inches of test medium, and then some either 1 inch boards or even some 2X4 boards behind that and see what happens with the blades. The bullet will pass thru these, I have zero issues there, what I want to learn is what happens to the blades. While this can't simulate a buffalo or other animal, it can give us some more in depth information on how they might react in some circumstances.

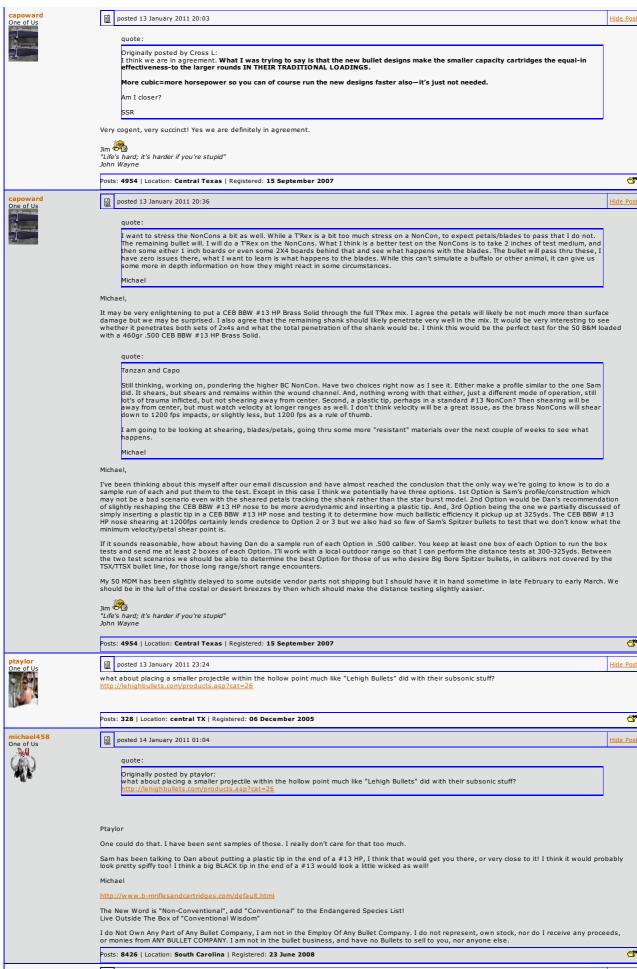
This is the initial layout of work to come, I am sure while doing some of these we might come up with some new ideas to work on as well. Not sure how much I will get done the next couple of days, and I am going to have to make a run to get more test medium very soon, almost at the bottom of the pile now!

Michael

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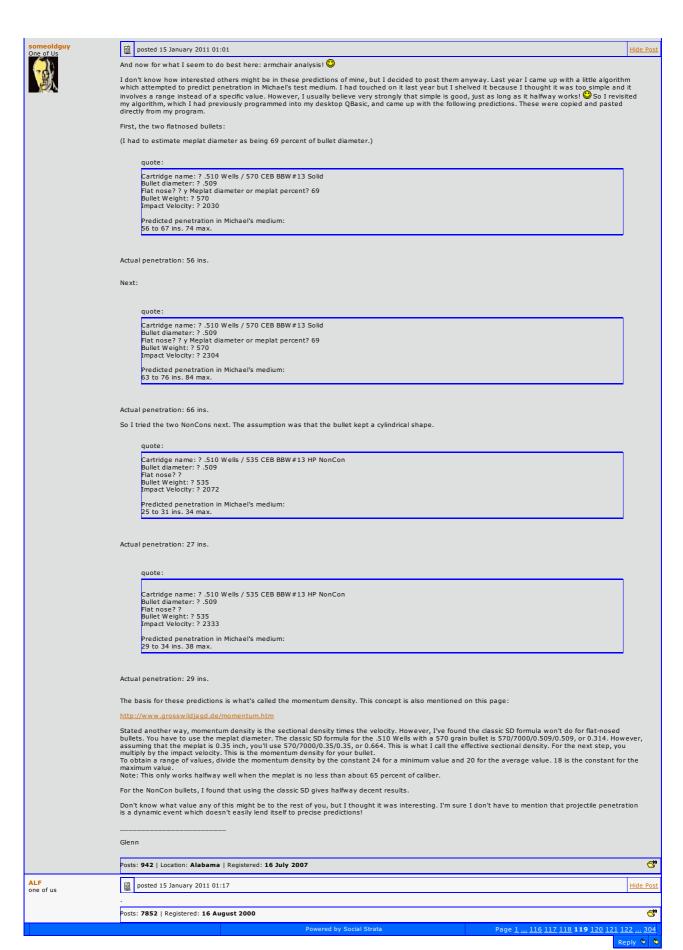
boom stick One of Us posted 14 January 2011 02:14

<u>Hide Post</u>

A tip in the 416 non con would be interesting for over 200 yard shots on PG. Also would make sure the petals sheer at lower velocities.

577 BME 3"500 KILL ALL 358 GREMLIN 404-375





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