THE ACCURATERELOADING.COM BIG BORE FORUMS



Accuratereloading.com 🚳 The Accurate Reloading Forums 🗿 THE ACCURATE RELOADING.COM FORUMS 👔 Rifles 📸 Big Bores 🔁 Terminal Bullet Performance

Page <u>1 ... 129 130 131</u> **132** <u>133 134 135 ... 304</u> Go 🧭 New 🕤 Find 🔍 Notify 🔉 Tools 🦚 Reply 🔖 🔖 Terminal Bullet Performance **★★★★☆** posted 09 February 2011 20:25 quote: the test media would indicate? The test media is imperfect. J. Lane Easter, DVM Socialism is slavery to government regulation. To be pro socialist is to be pro slavery. You can't have Freedom if you have socialism. **€**" Posts: 34709 | Location: Gainesville, TX | Registered: 24 December 2006 srose One of Us posted 09 February 2011 21:36 The test media is the most consistant media available that I know of. The best media is animals and I will be glad to test any bullet you want as much as you want me to. Just pay for the hunts and I'll be happy to send all the results. Posts: 2823 | Location: NC | Registered: 08 July 2006 ď posted 09 February 2011 22:01 quote: Originally posted by srose:
The test media is the most consistant media available that I know of. The best media is animals and I will be glad to test any bullet you want as much as you want me to. Just pay for the hunts and I'll be happy to send all the results. Agreed!!! I was just saying that media is not animals! J. Lane Easter, DVM Socialism is slavery to government regulation. To be pro socialist is to be pro slavery. You can't have Freedom if you have socialism €" Posts: 34709 | Location: Gainesville, TX | Registered: 24 December 2006 465H&H One of Us posted 09 February 2011 22:44 auote: Originally posted by srose:
The test media is the most consistant media available that I know of. The best media is animals and I will be glad to test any bullet you want as much as you want me to. Just pay for the hunts and I'll be happy to send all the results. It is highly unlikely that I will pay your way to hunt elephants but I received an e-mail today from one of the PHs in Zim that I hunt with often and he has a 14 day, three tuskless hunt available. PM me if your interested and I will send you his e-nmail address. Posts: 5686 | Location: Nampa, Idaho | Registered: 10 February 2005 €° posted 09 February 2011 22:46 auote: Originally posted by ledvm: the test media would indicate? The test media is imperfect. I am not sure that I would say that it is imperfect but you need to be very careful how you translate those results to performance on animals. Posts: 5686 | Location: Nampa, Idaho | Registered: 10 February 2005 €° srose One of Us posted 09 February 2011 23:17 Thanks, 3 tuskless sounds like my kind of hunt. Not sure if I can go this year but thanks. I'll PM you Posts: 2823 | Location: NC | Registered: 08 July 2006 €39 michael458 One of Us posted 10 February 2011 00:13



Originally posted by 465H&H:

For sure we have learned alot thanks to all of Michaels hard work. But there are still several unanswered questions. For instance why does the Woodleigh 9.3 dia 320 grain bullet perform so well in michaels test media while larger calibers don't? Why do RN steel jacketed solids perform so much better in penetration and straight line penetration in elephants or buffalo than the test media would indicate? There is something going on here that we don't understand.

465H&H

Thank you 465HH. Some things we have covered, but yes there are questions, actually I figure there will always be some unanswered questions regardless of what we can do.

First let me go over the test medium quickly if I can. From day one, the test medium is not perfect, no question. No test medium is absolute, not even ballistic gel. Not even animal tissue is perfect test medium! In fact, it may be the worst test medium of all--there is nothing equal at all in animal tissue, and it's hard to work with and somewhat limited as well! So we do the best we can.

My test medium is very hard on bullet performance! It does in fact put them to the test. It is aqueous (as is animal tissue), it is consistent in one sense of the word, and in another it has inconsistencies needed that puts some pressures on the bullets, especially solids of any sort! Let me explain! I discovered this somewhat by accident. My boxes were built to hold straight up newsprint. When I insert magazine/catalog material it is NOT even across, it's layered as it is not the same width as newsprint. So in some spots there are magazine backings, staples, double layers of mag/catalogs, so it is not 100% perfect by any stretch. I found out that the magazines add another dimension to penetration, they make it much tougher for the bullet to penetrate, and in particular penetrate with 100% stability. By accident I discovered a medium that allowed me to find the points at which one bullet would fail consistently, while another would be successful, consistently. By all means YES--performance of a RN is better in animal tissue than it is this test medium! That is a fact, no denying it! But at the same time--So is the FN solids! And, both in the test medium, and in the field, the FN Solid wins on a very consistent basis.

Compare to animal tissue? NO! No test medium compares DIRECT to animal tissue! Not Any!

Correlation between test medium and animal tissue? YES--this can be done with ANY test medium that is REASONABLE. Meaning that if we are hunting buffalo, elephant, hippo (or sharks), then testing with STEEL Plates is not a reasonable medium, is it? If we are testing for Armor Piercing ability, then by all means we need to test on steel plates. I think what I am using is "reasonable" medium.

To correlate you need lot's of animal tissue bullets to compare with your test medium. One bullet does not do it, and sometimes 10 do not do it. I am not ever going to present what I have as 100% all the way perfect, but it's as good as I got. I have shot quite a few critters, and I have always been a bullet digger, if there is one to dig! I have done enough to have some sort of rule of thumb of correlation between the test medium and animal tissue. Rule of Thumb—Not 100% perfect, as there are way to many variables in the field to consider. Rule of Thumb-expanding conventional premiums will penetrate from around 80% to 100% more in animal tissue than in the test medium. Solids—from what I have gathered is 30%-35% more in animal tissue than in the test medium. The NonCons, well what I have seen has been just about double from the test medium, but I caution that the sample has not been near enough yet to make a real determination, or even a rule of thumb! What I can say and be very confident of is that a NonCon will be deeper than a conventional in animal tissue, beyond that I can't say a real percentage. Not all the Rule of Thumb comes from just my observations in the field either, it correlates very close to what I have received from many others as well. Seems the rule of thumb is holding, but more needs to be figured out from the field with the NonCons!

That's about as short as I can get!

Next!

That damned 320 Woodleigh FMJ! Short and quick answer, it don't have the same nose profile as it's bigger bore cousins!





It looks like to me it's more of a "Rounded Flat Nose" if there is such a thing. The 310 gr 358 Caliber bullet is the same.

OK, this is well and good, and it might explain this in the short run---But the problem here is that the 286 gr Woodleigh FMJ appears to have the same profile as the 320, however it is a CRAP buillet for penetration, veers and turns all sorts of directions and is not stable at all! While it's big brother the 320 is stable! WHY? You got as good an idea on that as I do! Easy answer--I don't know!

Now, why did we have that one 320 going all the way to 73 Inches???? Good question, all the others tested are in the low 60s I think? Remember I said the test medium is not perfect? I suppose this is one of those imperfections, maybe the compression wasn't just right, maybe there was a void in the mix somewhere I did not know about, maybe a few thin spots where the magazine/catalog mix was thinner, I don't know? I have to report what I get, that's what I got! Testing more shows us that it is more likely to be in the low 60s than the upper 60s or lower 70s. Personally, I would discount that one and pay little attention to that one, when all the others are a bit more consistent! I try hard to get things right, but I am not perfect either!

Michae

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

<3°

michael458 One of Us posted 10 February 2011 00:18

Hide Pos

quote

Originally posted by 416Tanzan:

quote:

For instance why does the Woodleigh 9.3 dia 320 grain bullet perform so well in michaels test media while larger calibers don't?

This needs retesting. You will notice that in the charts put up this week there was one 73" example. But it was a one time affair, the others "only" do 60-65". Even with Michael's testing I am not willing to trust myself to a long, long 320 gr. RN in .366. Something funny there. I'd rather step down to a FN 250 grain in 338 though.

Tanz

I would not really have much of a problem carrying that 320 in the field, to be honest. I carried that 310 Woodleigh FMJ for years with my 358 STA, just for reasons we have discussed, always good to have a soild with you, JUST IN CASE. I never used it in the field however, but it tested good like the 320 years ago in straight newsprint. So I trusted it, and would again if that's all, or what I had.

Today, having a choice, I would not choose it. I am sold "Solid" on the BBW #13, and that's what I would carry. That new 280 CEB BBW #13 Solid is it for me in 9.3. I even discontinued the other 9.3 bullet, the copper 260 gr barnes type profile.

Michael

$\underline{http://www.b-mriflesandcartridges.com/default.html}$

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





posted 10 February 2011 00:19

auote:

Originally posted by ledvm:

quote:

Originally posted by srose: The test media is the most consistant media available that I know of. The best media is animals and I will be glad to test any bullet you want as much as you want me to. Just pay for the hunts and I'll be happy to send all the results.

Agreed!!! I was just saying that media is not animals!

Good to see you down here in the mix with us! Happy to have you!

 $\underline{http://www.b-mriflesandcartridges.com/default.html}$

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

€39

465H&H One of Us

posted 10 February 2011 01:07

auote:

Originally posted by michael458:

Originally posted by 465H&H:

For sure we have learned alot thanks to all of Michaels hard work. But there are still several unanswered questions. For instance why does the Woodleigh 9.3 dia 320 grain bullet perform so well in michaels test media while larger calibers don't? Why do RN steel jacketed solids perform so much better in penetration and straight line penetration in elephants or buffalo than the test media would indicate? There is something going on here that we don't understand.

465H&H

Thank you 465HH. Some things we have covered, but yes there are questions, actually I figure there will always be some unanswered questions regardless of what we can do.

First let me go over the test medium quickly if I can. From day one, the test medium is not perfect, no question. No test medium is absolute, not even ballistic gel. Not even animal tissue is perfect test medium! In fact, it may be the worst test medium of all-there is nothing equal at all in animal tissue, and it's hard to work with and somewhat limited as well! So we do the best we can.

Wy test medium is very hard on bullet performance! It does in fact put them to the test. It is aqueous (as is animal tissue), it is consistent in one sense of the word, and in another it has inconsistencies needed that puts some pressures on the bullets, especially solids of any sort! Let me explain! I discovered this somewhat by accident. My boxes were built to hold straight up newsprint. When I insert magazine/catalog material it is NOT even across, it's layered as it is not the same width as newsprint. So in some spots there are magazine backings, staples, double layers of mag/catalogs, so it is not 100% perfect by any stretch. I found out that the magazines add another dimension to penetration, they make it much tougher for the bullet to penetrate, and in particular penetrate with 100% stability. By accident I discovered a medium that allowed me to find the points at which one bullet would fail consistently, while another would be successful, consistently. By all means YES-performance of a RN is better in animal tissue than it is this test medium! That is a fact denying it! But at the same time--So is the FN solids! And, both in the test medium, and in the field, the FN Solid wins on a very consistent basis.

Compare to animal tissue? NO! No test medium compares DIRECT to animal tissue! Not Any!

Correlation between test medium and animal tissue? YES--this can be done with ANY test medium that is REASONABLE. Meaning that if we are hunting buffalo, elephant, hippo (or sharks), then testing with STEEL Plates is not a reasonable medium, is it? If we are testing for Armor Piercing ability, then by all means we need to test on steel plates. I think what I am using is "reasonable" medium.

To correlate you need lot's of animal tissue bullets to compare with your test medium. One bullet does not do it, and sometimes 10 do not do it. I am not ever going to present what I have as 100% all the way perfect, but it's as good as I got. I have shot quite a few critters, and I have always been a bullet digger, if there is one to dig! I have done enough to have some sort of rule of thumb of correlation between the test medium and animal tissue. Rule of Thumb:—Not 100% perfect, as there are way to many variables in the field to consider. Rule of Thumb-expanding conventional premiums will penetrate from around 80% to 100% more in animal tissue than in the test medium. Solids—from what I have gathered is 30%—35% more in animal tissue than in the test medium. We will what I have seen has been just about double from the test medium, but I caution that the sample has not been near enough yet to make a real determination, or even a rule of thumb! What I can say and be very confident of is that a NonCon will be deeper than a conventional in animal tissue, beyond that I can't say a real percentage. Not all the Rule of Thumb comes from just my observations in the field either, it correlates very close to what I have received from many others as well. Seems the rule of thumb is holding, but more needs to be figured out from the field with the NonCons!

That's about as short as I can get!

Next!

That damned 320 Woodleigh FMJ! Short and quick answer, it don't have the same nose profile as it's bigger bore cousins!





It looks like to me it's more of a "Rounded Flat Nose" if there is such a thing. The 310 gr 358 Caliber bullet is the same.

OK, this is well and good, and it might explain this in the short run---But the problem here is that the 286 gr Woodleigh FMJ appears to have the same profile as the 320, however it is a CRAP bullet for penetration, veers and turns all sorts of directions and is not stable at all! While it's big brother the 320 is stable! WHY? You got as good an idea on that as I do! Easy answer--I don't know!

Now, why did we have that one 320 going all the way to 73 Inches???? Good question, all the others tested are in the low 60s I think? Remember I said the test medium is not perfect? I suppose this is one of those imperfections, maybe the compression wasn't just right, maybe there was a void in the mix somewhere I did not know about, maybe a few thin spots where the magazine/catalog mix was thinner, I don't know? I have to report what I get, that's what I got! Testing more shows us that it is more likely to be in the low 60s than the upper 60s or lower 70s. Personally, I would discount that one and pay little attention to that one, when all the others are a bit more consistent! I try hard to get things right, but I am not perfect either!

Michael

Michael

I suggest that you use the average of all shots for that bullet. You can add the range ie. low 62, high 73 or provide the nunber of shots and the standard deviation.

465H&H



posted 10 February 2011 01:51

Hide Pos

Excellent suggestion! I have done that with some of the bullets, especially in .500 caliber as I have shot many many of some types into the mix over a long period of time, another example has been the 450 "B" %(_\$# solid, in .458, as I have used that as a control many times. But I won't be any longer. My new control is anything that is a BBW #13 or North Fork---with those I can't see needing anything else.

Speaking of North Fork!!! I got part of my order in the other day, and some more are on the way, most of these Premium Bonded bullets, some expanding .458 caliber Cup Points, and to be run next week is a PILE of .500 calibers!

My North Fork in stock bullets has grown substantially now! Time to start some brand new Test Work!!! Yep, you heard me, in the plans right now we are going to put North Fork through the ringer over the next few weeks in fact! Hopefully if all goes well, starting some of that work next week! Do stay tuned, especially North Fork Fans! Which I am one!

We gonna roll'em, punch'em, rip'em, bust'em, beat'em and see just how good they are!

Gotta work that in with all the pressure traces as well still going on. Anyone interested in those sorts of things? Pressure traces?

Also for the double guys, Sam, myself and Dan have come up with some new test work that is going to happen within the next week or so with barrel strains also. Always working on an improvement, if it can be had! Here at MIB, we never stop looking for the next step up in evolution! If we can take it further, we run with it! Anyway, I am curious about some things so we gonna find out!

Lot's coming up over the next few weeks, I have not told you about some of the things yet--some really AMAZING things coming! It's all I can do not to bust out and tell everyone!



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

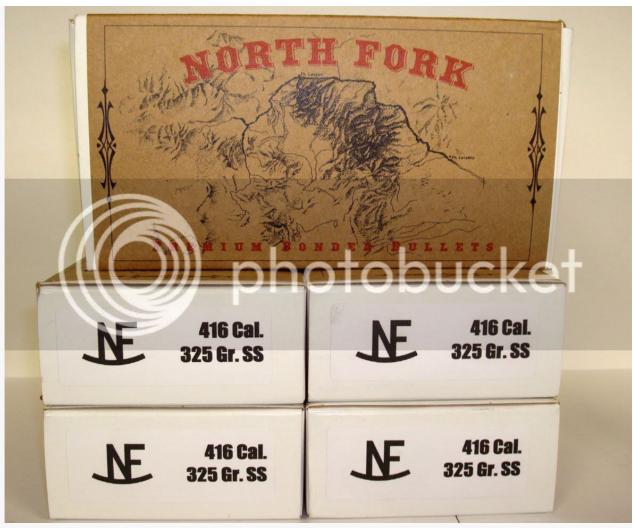
€"

michael458
One of Us

Some things coming up we are go

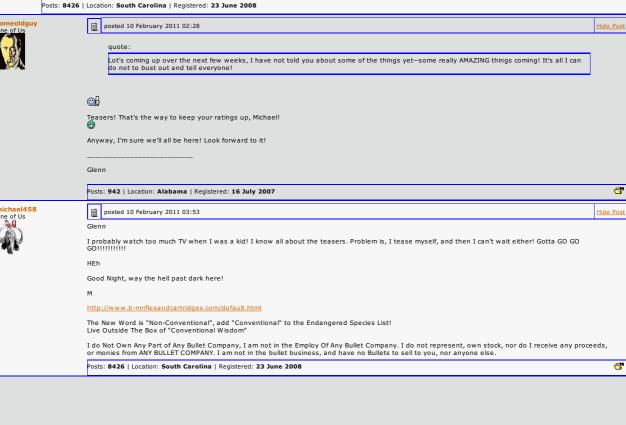
Hide Po

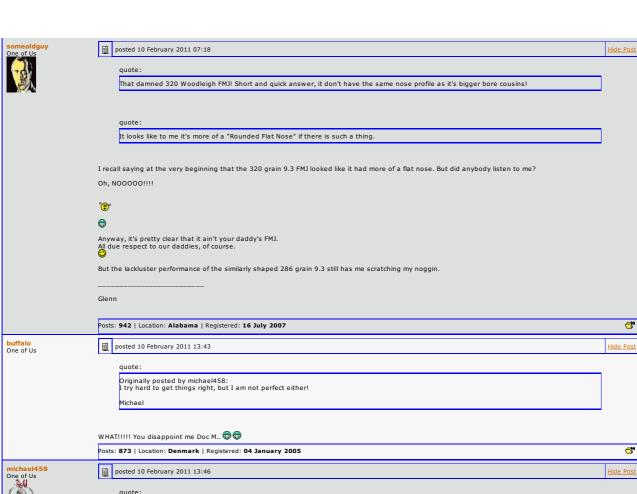






http://www.b-mriflesandcartridges.com/default.html The New Word is "Non-Conventional", add "Conventional" to the Endangered Species List! Live Outside The Box of "Conventional Wisdom" I do Not Own Any Part of Any Bullet Company, I am not in the Employ Of Any Bullet Company. I do not represent, own stock, 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 Hide Pos posted 10 February 2011 02:28





But the lackluster performance of the similarly shaped 286 grain 9.3 still has me scratching my noggin.

Glenn

Me Too? But I don't think the answer is in more test work, as the same will occur. The answer? I think beyond me.

In 9.3 there are two bullets that I would rely upon---The 286 North Fork and the New 280 CEB BBW #13. Those you can take to the bank for proper performance!

Just FYI, this is what I have been doing this week, and will continue to do for a bit, but next week able to work some terminals in with the North Forks--I hope!





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"

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





posted 10 February 2011 13:51

Hide Pos

quote:

Originally posted by buffalo:

auote:

Originally posted by michael458: I try hard to get things right, but I am not perfect either!

WHAT!!!!! You disappoint me Doc M.. 👦 👦



Buffalo

You are correct, I can't believe I said that!!!

It must have been in a moment of weakness? Maybe the drugs? I don't know. But of course I am actually the very essence of perfection, but I am just "modest" is all! Of course at times also full of crap as well! HEH HEH................ "modest" is all! Of course at times also full of crap as well! HEH HEH......

Doc M--MIB

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



416Tanzan One of Us



posted 10 February 2011 14:28

Hide Po

quote:

Glenn: . . . Anyway, it's pretty clear that it ain't your daddy's FMJ. All due respect to our daddies, of course.

But the lackluster performance of the similarly shaped 286 grain 9.3 still has me scratching may noggin.

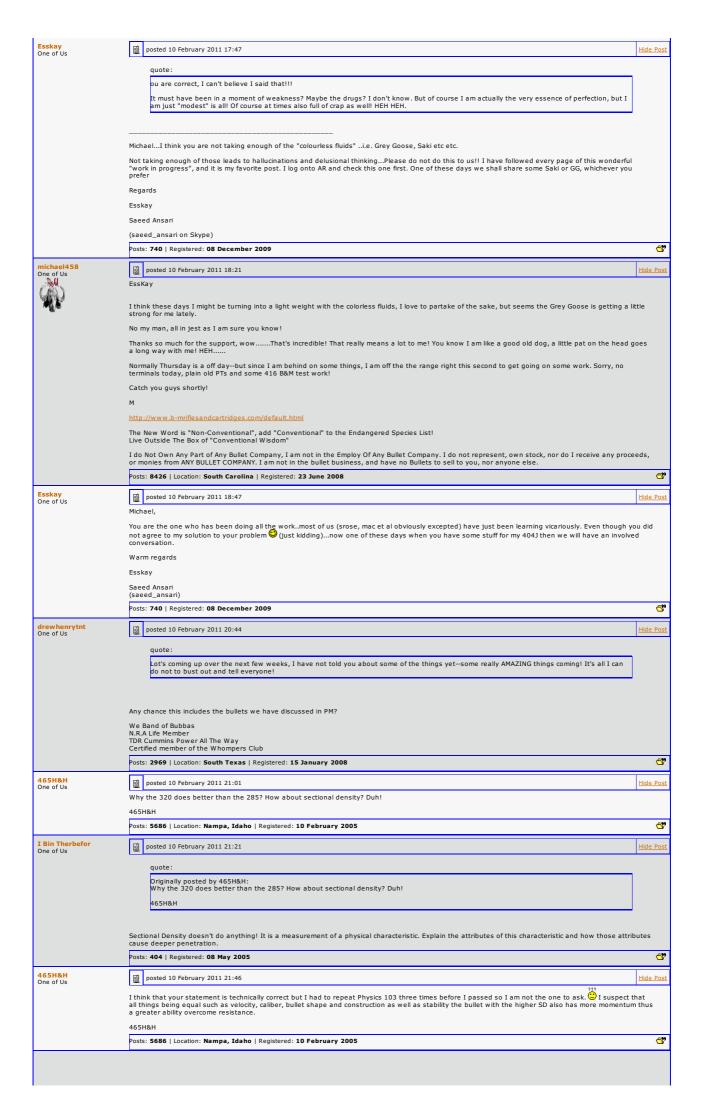
Personally, I've found that investigation of anomalies in other fields often leads to a wider understanding of the issues. More testing may indeed show that 'almost flat' Roundnoses behave well. But first the anomaly between the 286 and the 320 should probably be re-confirmed

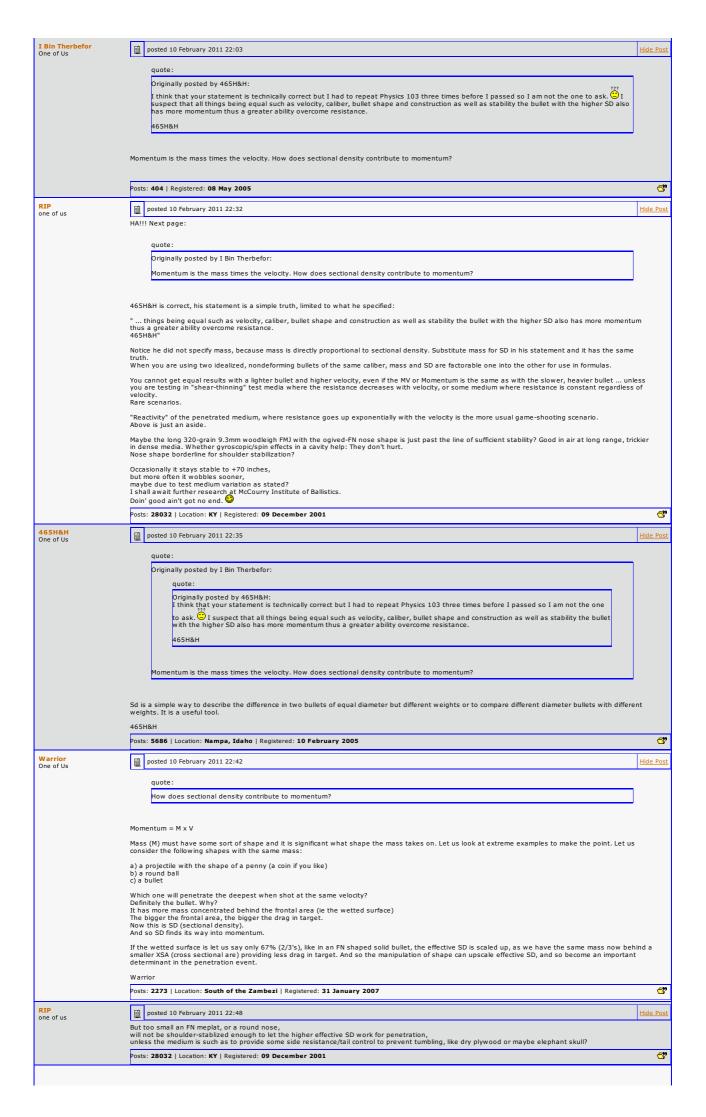
and maybe have their noses more carefully mapped.

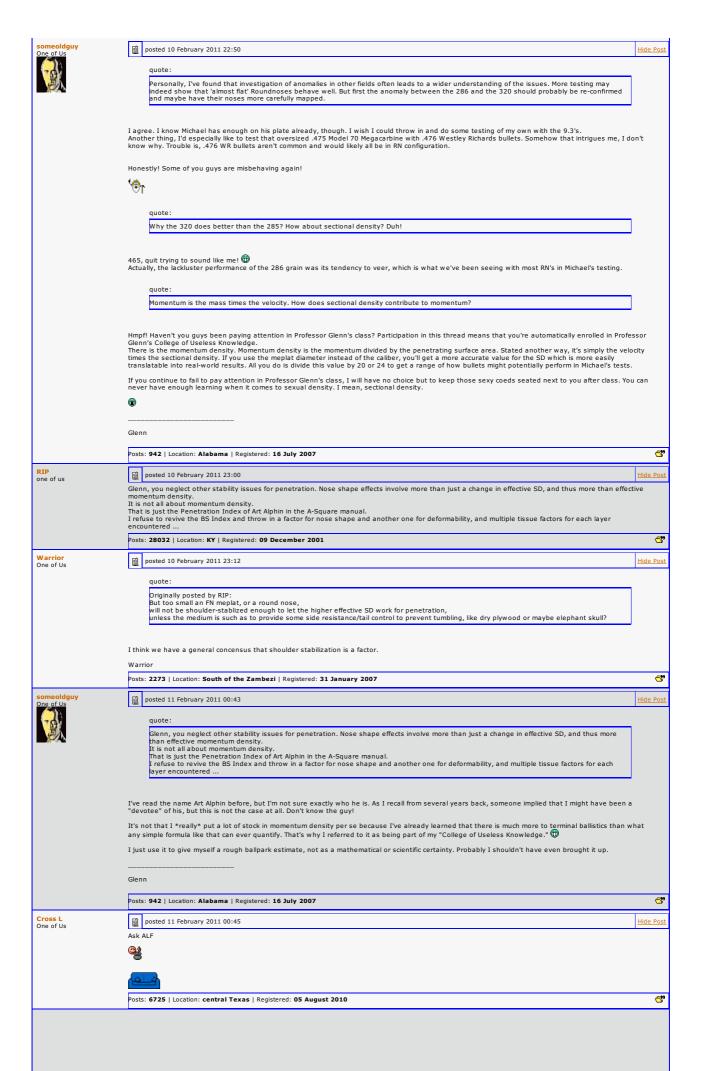
"A well-rounded hunting battery might include: 500 AccRel Nyati, 416 Rigby or 416 Ruger, 375Ruger or 338WM, 308 or 270, 243, 223" --Conserving creation, hunting the harvest.

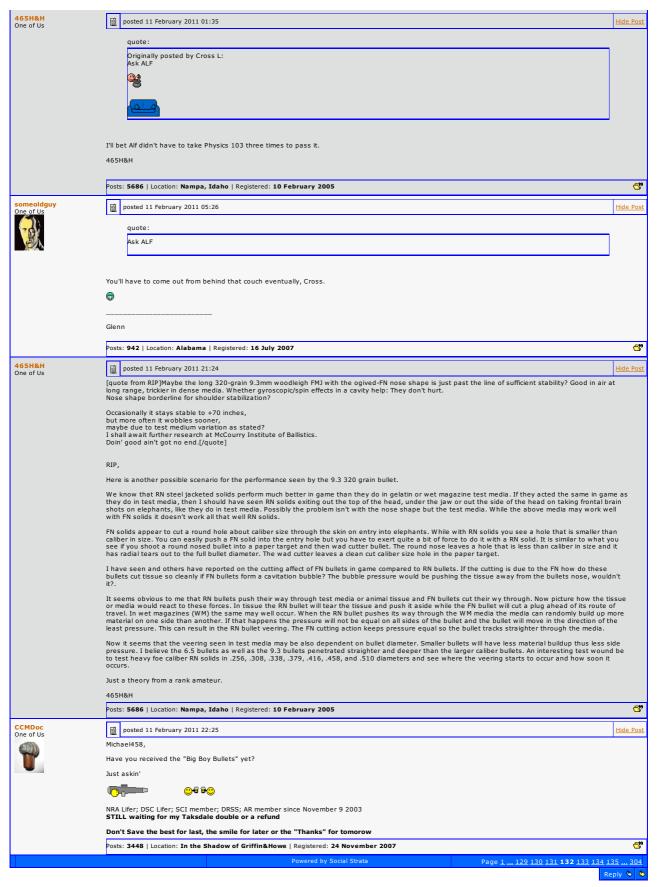
Posts: **4253** | Registered: **10 June 2009**

€"









Accuratereloading.com 🚳 The Accurate Reloading Forums 📵 THE ACCURATE RELOADING.COM FORUMS 🛍 Rifles 📸 Big Bores 🗿 Terminal Bullet Performance

Contact Us | Accuratereloading.com | Terms of Service

Copyright December 1997-2023 Accuratereloading.com
Community Statistics

Statistics for the last 30 days

New Posts 5275

New Members 24

Page Views 2743857

Visits 504208

Newest Member RedRaider4400



Visit our on-line store for AR Memorabilia