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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

posted 30 March 2012 03:23

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MORE TIPS

The answer to all changes is NO! Not a nice No--But HELL NO!

Why the hell change something that don't need fixing? HEH...... OK OK, but we don't need a change in this!

Yesterday if you would have asked this question

"Michael, how long before we can get some new Talon Tips that will give us positive shear at low velocity, close to where the NonCon shears and operates, maybe within 100 fps?"

My answer would have been to you

"Boys, it is going to take Months of trail and error to get this right!"

Now we have been working on this for several days no doubt about it. Only this morning I posted to you all the issues that have been, were, and are being dealt with. About 12 hours ago or so.

This evening I come to you and now I tell you this PROBLEM SOLVED! ISSUE SOLVED!

We no longer have a Talon Tip Problem with Low Velocity Shear Points higher than the Low Velocity Shear Points for NonCons. We no longer have the problem of Talon Tips causing the bullet to go unstable like a pointy solid spitzer. We no longer have the problem of tips coming out of the bullet. In fact, I am becoming a fast believer in the New Talon Hollow Point Tip! Not so much for LONG RANGE work, I could give a crap about shooting something past 10 yds or so, what I like is the heavy hitting power that the Tip allows for the BBW #13 NonCons and Raptors!

In yesterdays Overnight package Dan had put a Hollow Point in the .500 W-Tip (Which is going to be redesigned to match all the new Talon Big Bore Tips and mediums--Like the 9.3 N and the 416 R). He only did 5 of them just for giggles. Neither of us believed it would work in the .500 tips, the hollow point that is. I would have bet a cool \$20 on it only this morning! I would have lost.

Recall I did this the other day, I did not get a positive shear WITH THE SAME TIP No Hollow Point with the 350 Raptor until I got to 2100 fps, and even then it was not an even shear on one of them, 2100 fps Impact.

The NonCon 350 Raptor No Tip shears down to 1700 fps.

Now enter the same exact W-Tip with a Hollow Point down through the nose to the stem, but not below the stem. FAR BETTER PERFORMANCE than the bullet at 2100 fps impact!



I only had 3 of these Hollow Point Talon Tips left--I am not going to test them until I get to Africa! I know they will shear at 1700 fps impacts, and maybe even LESS!

Next------MORE TIPS

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





posted 30 March 2012 03:31

New Design 416 R-Tips With Hollow Point

I tested the 325 BBW #13 NonCon first today with a new Talon R-Tip that Dan had put the hollow point in the nose.

First tested at 1679 fps impact--Perfect shear, perfect performance.

A week or so ago I tested the 325 BBW #13 NonCon and Low Velocity Shear Point was 1650 fps.

This 1679 fps is very close, and perfect shear!



We are more than 60 fps less than Low Velocity Shear Point for the NonCon alone with no tip!

I noticed this yesterday with the 9.3 210 Raptor N-Tip Hollow Point--it also sheared perfectly 50 fps less than the standard NonCon with no tip added. Yesterday I figured it was maybe a fluke of some sort, today I am thinking maybe it is not a fluke and we are actually getting a Lower Velocity Shear Point with the new Hollow Point Talons than we are with standard NonCons.

Something we will investigate completely upon my return.

In the meantime I see no reason at all not to proceed with the New Design Talon Tips in Big Bores and mediums from 9.3 all with the Hollow Point in the Nose! It is working far better than I had ever thought it would.

Let me introduce you to the New 416 R-Tip Hollow Point



Michael

http://www.b-mriflesandcartridges.com/default.html

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



boom stick One of Us



posted 30 March 2012 03:37

Great news!







Michael, are you opposed to the original 3 band raptor design?

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

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Posts: 27557 | Location: Where tech companies are trying to control you and brainwash you. | Registered: 29 April 2005



416Tanzan



posted 30 March 2012 03:55

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quote:



Originally posted by michael458: New Design 416 R-Tips With Hollow Point

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I dropped the velocity to this;



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Let me introduce you to the New 416 R-Tip Hollow Point



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posted 30 March 20

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One thing that is grea non cons and raptors is getting amazing performance at even at 1,600 FPS. Would be pelitions performance at low impact velocities. The comparable bullets with higher BC's lower impact velocity performance of these bullets. Much appreciation for the testing and

416 325 BBW#13 NonCon With New Design R-Tip

New Stem Design

New R-Tip WIth Hollow Point

reports Michael.

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

May your Safari be better than you can imagine.

Mie77-BME 3"500 KILL ALL 358 GREMLIN 404-375

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Michael, Posts: 27557 | Location: Where tech companies are trying to control you and brainwash you. | Registered: 29 April 2005 we love the pictures and your tireless work.

Hide Post

G?

michael458
One of Us
1664 at (4yard) and 1587 at 48 yards,
yields a bunting with that I am very surprised to get this sorted out as quickly as we did. And got it right, first off!

I could go hunting with that.
Let me also tell you how good this work is--The tips I mean. You can't see it from my sorry ass photos--But that tip fits so 325 grainvell បន្ទាស់ខាន់ ខេងក្នុង ខេងក្រុង ខេងក្បង ខេងក្រុង ខេងក្រុងក្រុង ខេងក្រុងក្រុង ខេងក្រុងក្រុង ខេងក្រុងក្រុងក្រុងក្រុង

Now that ម៉ែន់ ទេ៩កេស្ត កេស្តាលក់ហារ ស្រែន់ ដែលនិម្បីថែ និងប្រទេសរ៉ូម៉ែរ សម្រេច វិស្ថិមិន ការ និងមិន្តិការស្ថិន សម្រេច និងមួយ ន the bulletikhegtH khinktwomen of the some laraptors have 3 correct?

OH, Just call me "Tipsey" tonight!

Now its dark, I am going to roost!

Michael

http://www.b-mriflesandcartridges.com/default.html

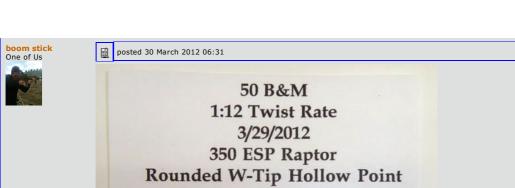
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Posts: 8426 | Location: South Carolina | Registered: 23 June 2008







Muzzle Velocity 1880 fps 43 Yd Impact Velocity 1763 fps X2-Perfect Shear 4" Dead Straight to 21 inches

That is Excelent penetration at that velocity. Will be looking forward to seeing what these wonder bullets and improved tips

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Posts: 27557 | Location: Where tech companies are trying to control you and brainwash you. | Registered: 29 April 2005

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boom stick One of Us



posted 30 March 2012 08:08

Hide Post

The way that .500 350 grain raptor base shears it's like the base of the hole is a new meplat.

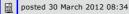
577 BME 3"500 KILL ALL 358 GREMLIN 404-375

we hand of 45-70ers (Founder)

Posts: 27557 | Location: Where tech companies are trying to control you and brainwash you. | Registered: 29 April 2005

€?9

RIP one of us



Hide Post

Part of the problem is the light weight bullets of low SD do not expand as well, for given velocity, as the heavier bullets (.3 SD), even though nose design is same. $0.3\ \text{or higher SD}$ will usually pop the brass hollowpoint noses at 1600 fps.

SD is not dead. If low SD (mass) then velocity must be higher to get any nose design to expand. A basic principle, eh?

There is a hint in Doc M's work that these hollow-pointed plastic tips help some of the bullets "pop nose" at even lower velocity than they do without the tips.

They will improve the "nose poppng" on all the bullets.

It is these experiments that allow the balancing point to be found, the practical compromise, for all the aspects of bullet weight, length, velocity, magazine length limits, nose design, down range impact velocity, etc.

Many thanks to Doc M and Dan.

Captain Obvious has spoken!



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

€"

posted 30 March 2012 08:46



Not bad at all for a .224 SD bullet... I'm sure there are some individuals that read this thread that'll poo-poo the results because the bullets aren't heavy enough...but I'm sure Michael's field results will tell a very different story.

Edit: Photo corrected.



"Life's hard; it's harder if you're stupid" John Wayne

Posts: 4954 | Location: Central Texas | Registered: 15 September 2007

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posted 30 March 2012 08:55

Hide Post

Yep, nice pair of tips: Great on short ones and long ones.

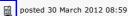


Great on big ones and little ones.

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

€"





It took Sam and Michael some time to develop the BBW #13s FN Solids and additional time to perfect its paired HP NonCon bullet, then work with Dan to finalize both for CEB' production, then all to accomplish subtle modifications as needed to perfect each caliber's bullets for optimum performance.



And now it appears Dan has worked out the performance issues with the BB Talon Tips and the Raptors can begin coming into their own performance wise.

🕦 🕦 🕦 To Dan, Michael, and Sam!

Myself. 50 B&M 1:12 Twist Rate 3/29/2012 350 ESP Raptor Rounded W-Tip Hollow Point Muzzle Velocity 1880 fps 48 Yd Impact Velocity 1763 fps X2-Perfect Shear 4" Dead Straight to 21 inches



I definitely have to get some of the new .500 caliber Talon Tips!



"Life's hard; it's harder if you're stupid' John Wayne

Posts: 4954 | Location: Central Texas | Registered: 15 September 2007



boom stick One of Us



posted 30 March 2012 09:23

Capo. The SD of the 350 grain .500 bullet is .200
A tad over with the tip. That 21" penetration at that velocity is awesome.

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

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Posts: 27557 | Location: Where tech companies are trying to control you and brainwash you. | Registered: 29 April 2005



capoward One of Us



posted 30 March 2012 10:12

Hide Post

Thanks Boomy... Photo should have been the 210gr 9.3; it's corrected.

And yes...21" with a .200 SD 350gr .500 is awesome! I definately have to get these 3rd Gen HP Talon Tips to use with the 400gr .500 Raptors that Michael sent me.



"Life's hard; it's harder if you're stupid" John Wayne

Posts: 4954 | Location: Central Texas | Registered: 15 September 2007

€"



posted 30 March 2012 10:53

Hide Post

An absolute wonder! Michael as well as the new tips. My best wishes to you on your upcoming safari.

.395 Family Member DRSS, po' boy member

Political correctness is nothing but liberal enforced censorship

Posts: 3490 | Location: Colorado Springs, CO | Registered: 04 April 2003

€"

posted 30 March 2012 16:04

Hide Post

quote:

Originally posted by Cross L:

Not Raptors--I was speaking of BBW #13 non-cons-Seems they would be over length for magazine.

SSR

Cross

100% correct! On most all the BBW #13 NonCons designed for Dangerous Game--from 416 caliber and up--add the tip, and they WILL NOT work through the magazine of bolt guns.

The plan I have with the Talon Tip NonCon is to put that one in the chamber for that ALL IMPORTANT first Shot! At any range you impact at, the tip will add a good deal more velocity. More velocity with a NonCon means MORE OF EVERYTHING. With a magazine full of either BBW #13 Solids, or more BBW #13 NonCons to back up the first shot. Really no way to get mixed up, no way to go wrong, and now with the new Hollow Point tips—it does appear we are getting more performance at lower impact velocities than a NonCon alone.

It is not normal for sure--It does require a bit more on ones part, about a second to load up maybe, but higher impact velocity I think will make a big difference, and it's the first shot that counts the most.

Raptors of course are designed to fit the magazines of most rifles, with the tip installed--but as always there is a compromise to life and one has to compromise weight, nose projection, case capacity, and find a happy compromise in a given caliber.

Right now the Big Bores are the only compromise with the Raptors. IN all the mediums down from 375 and small bores I don't think the Raptors are a compromise, I think they are the Kick Ass bullet of the entire caliber! No bullet in 9.3 caliber is able to compete with the terminals of the 210 Raptor--None, for the intended purpose of that bullet.

Boomy, yes, the 350 Raptor gave excellent penetration, and has been doing around that depth even at higher impacts on average. Some of these do reach a point that depth does not increase so much with velocity, trauma up front does however. Little different with straight up NonCons, they do gain some significant amounts of penetration with velocity. While I have not done a complete study, I believe this to be part of nose projection as spoken of up a few posts. Not much can or will be done about it, it is what it is, Raptors have to have less nose projection than NonCons to fit the magazine, with a tip! The whole point of them to begin with.

And of course, RIP is correct, SD does start to show up here with these as well.

quote

It is these experiments that allow the balancing point to be found, the practical compromise, for all the aspects of bullet weight, length, velocity, magazine length limits, nose design, down range impact velocity, etc.

RIP--Exactly!

MAX

quote:

An absolute wonder! Michael as well as the new tips. My best wishes to you on your upcoming safari. Max

Thank You Max, but not sure I would really define my mission there as a "Safari Proper". More of a shoot I would say. I intend to shoot and drink beer! HEH......... Not trophy hunting at all, targets of "Opportunity" will be more like it. Sorry, hope to not offend the more sensitive out there, but I am on a mission, not a proper defined hunt or Safari so to speak! This might offend some of the more traditionalists out there, and for that I offer small apologies, but in the end, truth be known, "Oh

I was just now thinking that I really miss out on some very important parts of any hunt, safari, or even a shooting spree as this one. What I miss out on is the "Anticipation" part of it. Things are so hectic here, and there is so much to do anytime I get ready to leave for anywhere, it eats up all my thoughts and any "Anticipations" of the hunt, safari, or shoot. A couple of months or so ago, I was looking forward to this one, as its a no stress shoot, fun, loaf around, do as one pleases and do some shooting. But the last month there has been zero time to think much about it, and the closer it gets to leaving, the more hectic it is getting my real job situated, getting things ready so that in my absence the folks I leave in charge are not under stress, and all sorts of things like that. About the only time I will be able to start thinking about, and anticipating the trip is after I get the rifles and ammo checked through at the airport. Then I can maybe start "Anticipation" part of the trip, but it is very short lived!

Michael

http://www.b-mriflesandcartridges.com/default.html

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



michael458 One of Us posted 31 March 2012 00:10

Hide Post

There are some "Terminal Ballistics Experts" out there that are fully determined to be ignorant I suppose. Or stupid, or possibly just want to be an aggravation to those who are trying to learn from test work. I have heard these so called "Terminal Ballistic Experts" that one cannot possibly test bullets in ANY sort of medium and expect them to perform anything close to the same in animal tissue. And of course "WetPack" or "Wet Paper" medium is the very worst of all test mediums and totally useless for doing such work. "Terminal Ballistic Experts". Hmmmm? Well, I am very pleased I chose to not listen to the so called "Experts" and continue my own path beyond what they might be able to comprehend. Even when shown bullet behavior between the two test mediums, my test medium here, and animal tissue, bullets behave the same, do the same thing, expand or shear blades, rip, tear and cause massive trauma, or just drive in a straight line like the solids tested, in both test medium and animal tissue, it is still not so--can't be true, that's not real. OK...Where do you go from there with someone like that? No Where! They are IDIOTS and one cannot deal with IDIOTS. So you know what I say.........FK'em! Stupid will always be stupid and there is not much you can do about stupid!

My rant for the day!

On to better things! I am pretty serious about this Hollow Point Tip thing! Just finished adding some of the new 9.3 Hollow Point Talon Tips to my 9.3 B&M ammo! Looks pretty spiffy--oh and it does perform and I bet if I do my job proper in the field, that they will

perform exactly as they do in the test medium here, only now on animal tissue. Big difference, deeper penetration on animal tissue, and that is about it. We will see eh? Anyone wish to place any bets?



Dan at CEB is a pretty good Chap! He did not want me going without enough tips to do the job, got busy and organized tips with Hollow Points 9.3 and .500 and overnight both to me. I received them about 11 am this morning, loaded straight up, and went to test the .500s again. 350 ESP Raptor with new HP Talon Tips.

Another Low Velocity Impact Like Yesterdays work.



And a New Higher Velocity Impact just for FYI, or should I say, FMI? (For My Info)



OK, thin skinned Dangerous Game! Now in my opinion, based on not only "Test Work" done, in that horrible, useless wet print test medium I use, and my life experience in the field, I reckon that 350 gr. 500 caliber ESP Raptor will turn Thin Skinned Dangerous Game, inside out! I would leave first thing in the morning with my 500 MDM loaded with that bullet, at that velocity, with that new HP Tip and hunt any thin skinned dangerous game that ever lived on planet earth! Including Saber Tooths and Cave Bears! We will see eh? Anyone want to bet against me? Any so called "Terminal Ballistic Experts" out there, want to bet against me on this?

Finished! Rifles shooting--working, feeding, and the 500 MDM is working slick as snot! Must have been some sort of burr somewhere? Just all the sudden, slick as it can be, like it was before! Feed and function, 100%, good to go! Not that it is that big a deal, as I am not shooting any dangerous game, just thin skinned critters of opportunity, but still, one likes for the tools to function proper! Basically, pack'em, and stack'em and get on the plane! Shit, what am I going to do now for the next 3 days? Hmmmmmm?

Michael

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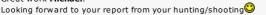
Posts: 8426 | Location: South Carolina | Registered: 23 June 2008



Norwegianwoods One of Us

posted 31 March 2012 00:42

Hide Post



Have a great time!

Posts: 461 | Location: Norway | Registered: 11 November 2011





posted 31 March 2012 01:40



BC on the fast bullet above (2700fps) was .285 and BC on the slow bullet (1800) was .303.

We want Michael to know his trajectories at 450 yards.



+-+-+-+-+-+

"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

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boom stick One of Us



posted 31 March 2012 01:41

Can we cross the DNA of the American lion and an African lion to resurrect the largest lion ever that was the Anerican lion weighing 700 to 800 lbs? Cave bears and American Lions would make worthy opponents for the Raptor.

http://www.fossil-treasures-of...m/american-lion.html

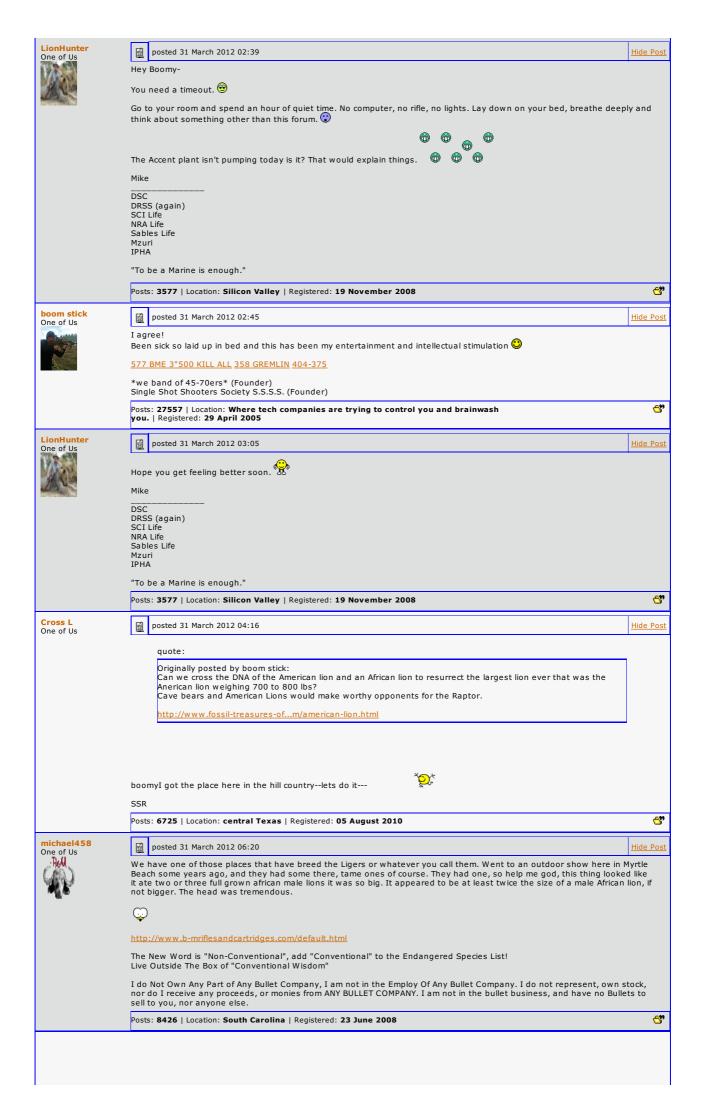
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we band of 45-70ers* (Founder)

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











posted 03 April 2012 03:38

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Dave

I did some loads in 45/70 with the 400 BBW #13, Marlin, running 48/RL 7 got 1872 fps, 49/RL 7 gave me 1932 fps, 50/RL 7 give me 1941 and started getting a little sticky--While each rifle can run a little different, I would guess the 450 Marlin case might be a bit thicker, you could run from 48 up a bit and see what you get. The matching 370 NonCon went to 50/RL 7 with zero issues at 1993 fps, I never went any further, was rather pleased with that.

I am taking my 9.3 B&M Dave! It's been 8 years now since I took to the field with anything under 416 caliber. Quite a big difference for me. I have never been to the field with a 9.3 anything. I am also running nothing but the CEB 210 Raptor with added NEW HP Tip. Oh, I do have just a few of those Raptors turned around into solids, for that, "Just In Case" scenario.

Of course I am not doing anything big, just as many zebras and wildebeasties as I can get close to. Want to be close, not far, can't see far anyway, and want to see how bullets react should one wish to use them on thin Skinned Dangerous game. Figure zebras and wildebeasts would give us some thoughts to ponder!

Michael

http://www.b-mriflesandcartridges.com/default.html

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

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