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Moderators: GeorgeS So 🧭 New 🕤 Find 🕟 Notify 🔈 Tools 🥾 Reply 📞 🕓 minal Bullet Performance 食食食食食 posted 15 January 2013 17:41 One of Us Flu bug is slowly passing behind me now, getting back in the groove of things here. On the range this morning making "cornbread". Oh, making 500 MDM brass out of 375RUM, blowing out with cornmeal is an excellent way to form this brass. Have 125 made so far, have not lost a piece of it yet. 100%. Brass looks pretty good too, ready to load and take to the field, no further fire form needed. Time consuming however, but worth it in the long run. We actually will have some terminals coming up soon as I can work it in. For myself I had CEB go ahead and make a .500 caliber matching NonCon to the newer longer nose projection 450 #13 Solid. This NonCon comes to a very nice 410 grs. This bullet should be able to top 2550 to 2600 fps in the 500 MDM and well over 2300 fps in the 50 B&M. I already know that 335 gr NonCon is enough for buffalo because of the Super Short in Australia, the 410 should kick ass at velocity. When we get some loads worked up we will find out. Another one in the works that I had done is the 225 gr 416 NonCon. I have 250 of these, will be working with the 416 B&M and see what we can do with that! I am thinking a match to the WONDERFUL little 250 in .458. This little 416 should kick ass on anything thin skinned, anything! Big Bears included! We will find out, soon as I get the loads up and running. Dan sent a box of ER (extended Range) C150 CU Raptors 150 gr 308. A very wicked looking copper boat tail with talon tips installed from the factory. This looks rather interesting for a "Rat Caliber". Probably shoot this in 300 Win and 308 Win. Also, he sent a box of ER D176 Raptors. 176 gr 338 caliber Extended Range Brass Raptors, just a boatail on the end, not a #13 profile. Nice looking bullet, talon tips factory installed. Will give this a "Shot", so to speak, with 338 WSM and the big wicked 338 Ultra and see what happens. So, there you have it, we have some terminals coming up, have other major projects ahead of this right now, but will see what I can work in over the next couple of weeks. Back to making some "cornbread" now! 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 **♂**° anzan f Us posted 15 January 2013 19:11 Hide Post

We'll be watching.

On the 338 ER Raptor, the 13degree profile is probably only important for solids. Once the front end blows, the ragged wadcutter becomes an ultimate flatnose.

It's good news on the upcoming tests. I've always been hoping for Dan's long-range pedigree to do something creative in rat calibres like 338 and 416. Hey, 'rat calibre', did I say that? Those are two of my favorite calibres. So what do they do on sub-50 lb critters?

Here is what a 416Rigby can do at 201 yards on a 35lb oribi. Oct 2012. The entrance was inside the front left leg on the opposite side. The exit is shown in the picture. The heart was missing when we skinned it in camp. 350 grain .416" Barnes TSX. Granted, a CEB might have blown out the whole right shoulder. (We haven't gotten those over to Africa, yet.)



In any case, these calibre are adequate for 35 lb. animaux.

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

posted 15 January 2013 19:25

I have a picture of the entrance wound on the oribi in the previous post



The entrance led to the side exit wound in the post above. The heart was just missing.

The oribi is sitting on the smoking platform and has been smoked already for 24 hours in this picture. He was enjoyed.

"A well-rounded hunting battery might include: 500 AcRel 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**

posted 16 January 2013 19:39

Looks like you had good eating with that little Oribi...



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

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

♂°



posted 19 January 2013 16:53

Here is the 450 BBW #13 Solid and it's matching 410 BBW #13 NonCon loaded in 50 B&M for testing yesterday.





Damn good looking bullet, and on the .500s I had Dan lengthen the Nose Projection. However, I did not get as much effect it seems from the added Nose Projection as I would have thought, and I am not going to lie, was a little disappointed in the depth of penetration, could be me and my expectations too high I suppose.







Naturally the loads in the 500 MDM are reduced Low Pressure loads that I am using to set this new 500 MDM up with RL 15 and that low pressure Horneber brass. I will tell you this, the 410 BBW #13 NonCon did not disappoint! In fact, it was well into the perimeters that I was hoping for, My New Buffalo bullet especially in the 50 BBM rifle and case! This one hammered. Piss Poor photos, sorry, new camera.

Without the Talon Tip------ Well into "Buffalo Penetration"



And it never ceases to Amaze me how much performance that little Plastic Talon Tip Provides with just a LITTLE more Impact Velocity----



If you shoot these NonCons in a Double Rifle---Spend the extra on some Talon Tips to Go in them! The Terminal Performance you purchase is well worth that extra "Dime" it costs!!!!!!!

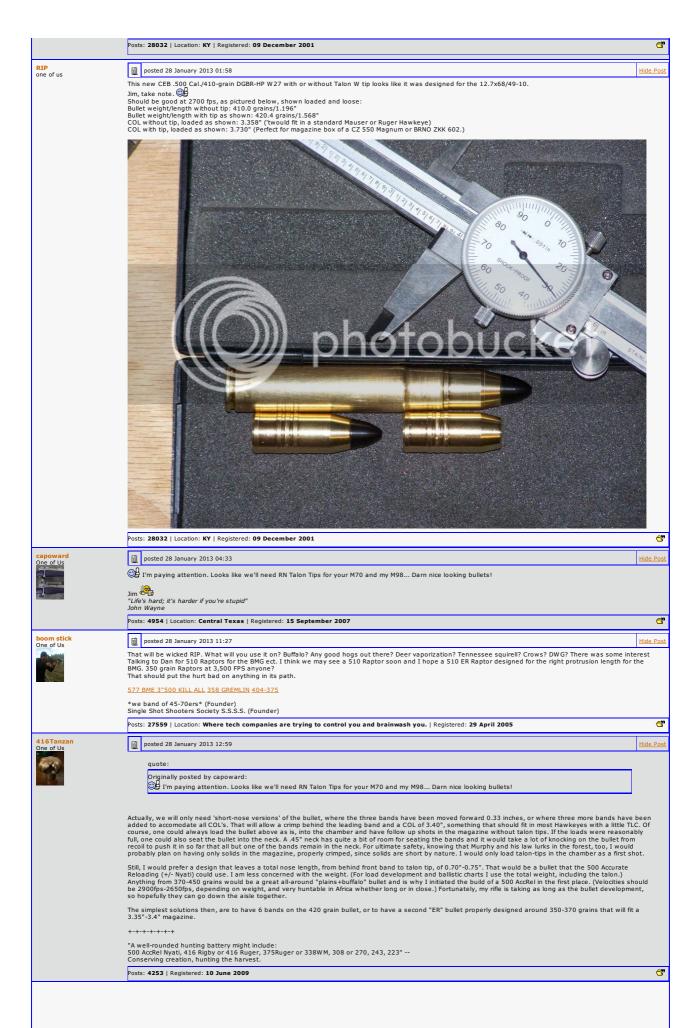
Back to the range today, still loading, brass prepping, working with that 500 MDM.......

Michael

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











Big Bore Raptors! We all know, I don't care much for the big bore Raptors, and some of that is because of the B&M cartridges. Short and too much case capacity is removed with them by using a Raptor. Also by design, seating the BBW #13 Solid end down in the case, it tends to push powder to the side when compressed, not straight down like a flat base does. This action limits case capacity even more, as the case tends to bulge, and this causes chambering issues. Compromise? If you want the Raptor, then you will compromise a few more grains of Case Capacity because of the bulging issue.

Flat Base Lever Gun Bullets! These bullets also are seated deep by necessity to work through lever gun actions. They too take up case capacity, but with this bullet you can compress more powder because it compresses straight down, not to the side. Still, you can only do so much before running into those same bulging issues, or pressure issues, depending on the powder of course. This makes a dandy bullet to use as a deep seated NonCon for use with the magazines of bolts.

Standard BBW #13 with a Long Nose Projection! These have the bands more to the rear, longer nose projection from .600 to .700 out of the case. You increase Case Capacity greatly, reducing pressures and gain much more muzzle velocity. But, you cannot use this bullet tipped, and it still fit in the magazine, too long. One can take this bullet, add a tip, single load it up front and back it up with standard NonCons or solids in the magazine.

With these things in mind, my question was this;

What gives the highest "Impact Velocity" at 50 yards? Tipped Lever Gun Bullet, starting out at lower velocity, Standard NonCon starting out at much higher velocity, but no tip?????

Well, we just happen to have two bullets to do this with. Both .458 Caliber, both 295 grs, #13 NonCon for Lever Guns, and a long nose version designed for the 458 B&M Super Short.

I ran this test with two chronos, one up front, and one at 48 yards. Distance between the two Chronographs is 42 yards for those of you who want to run BC. I am not interested in BC on this test, I want to know what the Impact Velocity is, which of course is governed by BC.

I used a 458 B&M with 18 Inch barrel! To equal pressure the 295 #13 NonCon Lever Gun seated deep I can use 73/H-4198. The 295 #13 NonCon long nose, or SS bullet I can use 78/H-4198. Equal Pressure.



Date	Bullet		Powder		Prin	ner	High	Low	ES	Average	Comments
Data Curren	t			9/4/12			- 10				110000000000000000000000000000000000000
											-
295 BBW#1	3 HP LG-	Sho	ort Nose	seated	dee	ep fo	or Tip us	e in the	magazine	,	
9/4/12	295#13	LG	73/H-4	198	Fed	215	2619	2615	5	2616	Muzzle
9/4/12	295#13	LG	73/H-4	198	Fed	215	2490	2483	7	2486	48 Yd Impact Velocity
	17.00										
295 BBW#1	3 HP SS	-Lo	ng Nose	Proje	ction	For	458 B	M Super	Short-T	p Not F	it in Magazine
9/4/12	295#13	SS	78/H-4	198	Fed	215	2718	2711	6	2714	MuzzleNO TIP
	205412	SS	78/H-4	198	Fed	215	2426	2410	16	2420	48 Yd Impact-NO TIP
9/4/12	293#13	-									
	295#13		211	198	Fed	215	2763	2756	6	2760	MuzzleWITH TIP
9/4/12		SS	78/H-4		0000	.27000		2756			MuzzleWITH TIP 48 Yd Impact-WITH TIF
9/4/12	295#13	SS	78/H-4		0000	.27000					
9/4/12	295#13	SS	78/H-4		0000	.27000					
9/4/12	295#13	SS	78/H-4		0000	.27000					
9/4/12	295#13	SS	78/H-4		0000	.27000					
9/4/12	295#13	SS	78/H-4		0000	.27000					
9/4/12	295#13	SS	78/H-4		0000	.27000					
9/4/12	295#13	SS	78/H-4		0000	.27000					

Summary

You see 3 different tests.

#1--295 Lever Gun seated deep, with tip. It starts out at a full 100 fps less than the 295 SS, but yet it arrives at target with a Impact Velocity of 66 fps MORE than the 295 SS with no tip!

While that may not seem like a big deal, it is in fact rather substantial.

Moving to the 295 SS bullet pay particular attention to the "starting Velocity" with the tip added to that bullet! 46 fps MORE with the tip, than without the tip! Reason? The chronograph is set up 6 yards in front of the muzzle, it seems to have gained velocity, true, but more Truthful, you have Lost Less Velocity at 6 yards, 46 fps! In many cases, that's 2 grs of powder, and increased pressure, and this is for 'Free". LOL... At a full 48 yards with increased velocity up front, you hit at 48 at 2628 fps, a full 142 fps faster than the 295 LG Tipped, but having to start out at lower velocity because of the seating depth.

Are you beginning to see some of the compromises one must choose to make?

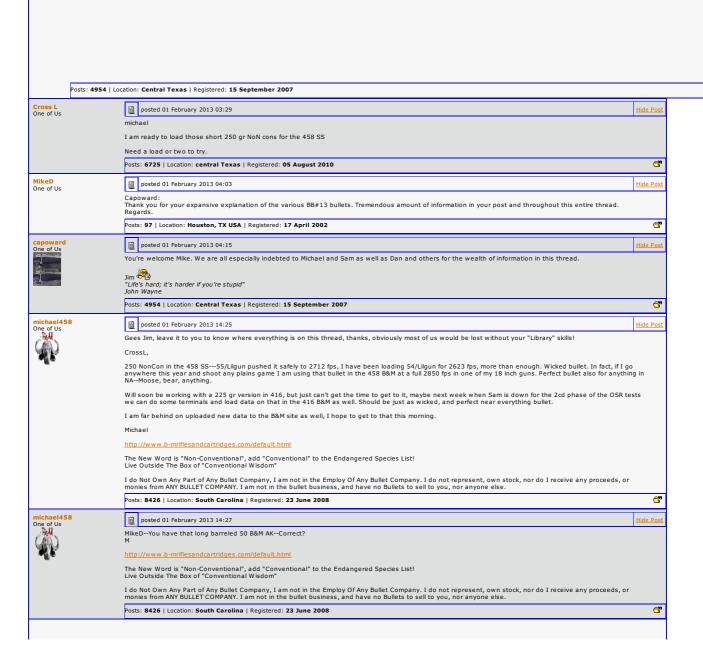
I hate compromise! But in some cases, there is no choice, and every choice is a compromise, regardless of which choice you make!

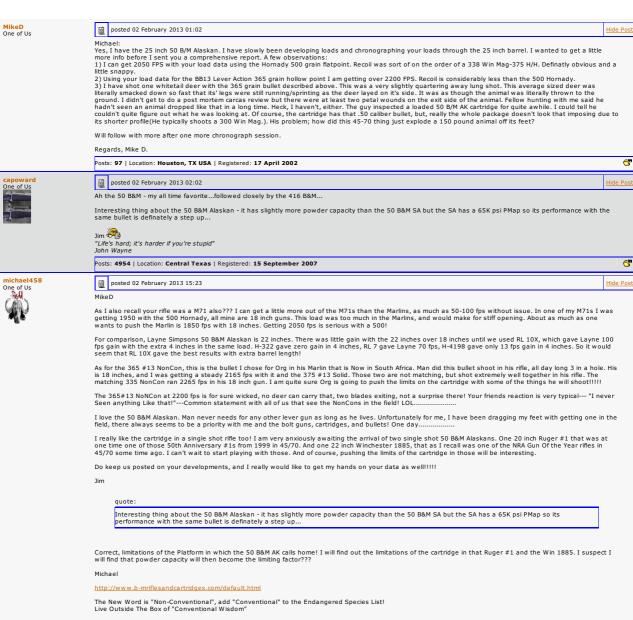




Unfortunately I could not identify the 295gr LG bullet being fired from the 50 B&M nor identify either bullet fired into the bullet box with Talon Tips for comparison – perhaps Michael can provide the photographic evidence if it is available.

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





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