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Moderators: GeorgeS

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Gerard
one of us

posted 09 March 2010 21:19

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Michael,
Expansion of the meplat starts at impacts around 2300fps. Obviously expansion depends on the SD of the bullet and how fast it is slowed down in target. Mainly, the expansion enhances the qualities that make for straight line penetration rather than detract from it.

I have access to a website that is needing some content. If you want to post the spreadsheet there as a download, you are welcome. Mail it to me and I will get it up. In fact, anyone who has an article or item of interest to put up, mail it to me and we can create a category for it, if it needs it, and place it.

<http://www.shooter.co.za>

Posts: **2848** | Registered: **12 August 2002**

capoward
One of Us



posted 09 March 2010 21:46

[Hide Post](#)

Boy it's been a busy day already.

Ok, regarding the NF 500gr .474 FN meplat; I thought as it had performed so efficiently from Mike's DR with its 18.9" twist rate that perhaps we needed to dig a little deeper. So shortly after Mike posted his testing results I inquired directly on the NF website and asked if they could identify some specific information relating to their CPS and FPS copper solids for me.

This past Sunday I received the NF response...many thanks to them for their customer service! The meplat as stated by NF is 0.396" diameter. And we have Mike's measurements

quote:

Originally posted by Mike70560:

I checked it again. Used black ink and stamped it on white paper. Measured .335-.336

83% equals .393 and that is the measurement at the edge of the bevel (which is slightly rounded) on the side of the bullet.

which would indicate the NF meplat dimensions include the edge bevel - perhaps a CNC programming dimension...? No idea.

Which methodology is better, purely stamped flat surface or inclusion of bevel? Do we need to capture both specifications? Quen sabe?

Now, Doc M's latest greatest updated data capture sheet...finally figured out how to get it posted so here are the four separate sheets:

Meplat measurements taken by ink stamping the meplat on paper.

.510 Caliber Solids & FMJ Tests

Bullet	Diameter	Meplat	% Meplat	Length	Bearing Surface	% Bearing	SD	Muzzle Velocity	Impact Velocity	Impact Distance	Twist Rate	Straight Penetration
550 SSK FN	0.499	0.99	86.00%	1.8925	0.505	88.00%	0.914	2220 2212	2175 2165	22 yds 22 yds	1:12	68 64
3/8/2011--Special Note! don't believe that 1:12 is stabilizing this bullet as well as it could be. Right at the end of penetration it goes unstable.												
								2198 2194	2165 2156	27 yds 22 yds	1:12 1:12	67 63
512 RN SSK	0.499	0	0	0	0	0	0.284	2048 2032	0	50 yds 50 yds	1:18	25 28
Average of Many Tests												
510 SSK FN	0.499	0.99	86.00%	1.2315	0.645	51.00%	0.291	2300 2050	2225 0	22 yds 22 yds	1:12	64 62
Average of Many Tests 50 BAM-2050 to 2100 fps Muzzle												
485 SSK FN	0.499	0.9	60.00%	1.2315	0.408	33.00%	0.277	2120 Average of Many Tests	2088 50 BAM	22 yds 22 yds	1:12	58
455 JDI FN	0.499	0.997	87.00%	1.1505	0.965	82.00%	0.261	2142 Average of Many tests	2090 50 BAM	22 yds 22 yds	1:12	56 43
Average of Many tests 50 BAM Super Short												
								1819 1945	1763 1858	22 yds 22 yds	1:12	43 42
50 BAM Alaskan X2												
400 Barnes	0.5	0.29	58.00%	0.9565	0.45	48.00%	0.229	1937	1851	22 yds	1:18	30

Buster

								Average of 2				
								1925	1847	22 yds	1:12	38
								Average of 2				
								2258	2170	22 yds	1:12	45
								Average of 2				

.470 Caliber Solid and FMJ Tests

Bullet	Diameter	Meplat	% Meplat	Length	Bearing Surface	% Bearing	SD	Muzzle Velocity	Impact Velocity	Impact Distance	Twist Rate	Straight Penetration
500 Wood FMJ	0.4725	0	0	1.332	0.625	47.00%	0.917	2172	0	20 yds	1:10	20
Average of 3 rounds-Very consistent.												
500 Barnes RN	0.4725	0	0	0	0	0	0.917	2147	0	48 yds	1:10	24
Average of 3 rounds-Very consistent.												
500 Barnes Banded	0.473	0.316	87.00%	1.4385	0.43	30.00%	0.917	Not Tested				
500 Trophy Bonded	0.474	0.275	59.00%	1.907	0.125	10.00%	0.917	Not Tested	Almost no bearing surface????? Old Trophy Bonded bullets			

.458 Caliber Solid or FMJ Tests


Bullet	Diameter	Meplat	% Meplat	Length	Bearing Surface	% Bearing	SD	Muzzle Velocity	Impact Velocity	Impact Distance	Twist Rate	Straight Penetration
550 Wood FMJ	0.458	0	0	0	0	0	0.974	0	2146	22 yds	1:14	28
500 Woo FMJ	0.458	0	0	1.389	0.48	35.00%	0.941	2100 1827	2051 1776	22 yds 22 yds	1:14	31 24
500 Barnes Banded	0.458	0.9	88.00%	1.519	0.444	29.00%	0.941	2209 1815	2180 1780	22 yds 22 yds	1:14	62+ 62+
Both Velocity Tests out the back of the box												
								X2 1489	1453	22 yds	1:14	35-43
Total 52-53												
								X2 2213	2148	22 yds	1:14	66

500 Nosler	0.457	0.275	60.00%	1.530	0.706	46.00%	0.341	0	2183	22	yds	1:14	62
500 Super Penetrator	0.456	0.28	61.00%	1.5765	0.246	15.00%	0.341	0	2160	22	yds	1:14	30
500 Rhino	0.458	0.28	61.00%	1.572	0.706	45.00%	0.341	0	2198	22	yds	1:14	58
480 Hornady DGS	0.4565	0.246	54.00%	1.532	0.586	44.00%	0.327	2197	2121	20	yds	1:14	31
475 JDJ	0.457	0.302	66.00%	1.468	0.216	15.00%	0.323	0	2140	20	yds	1:14	62
450 Barnes Banded	0.458	0.3	66.00%	1.371	0.363	26.00%	0.306	2227	2172	22	yds	1:14	56
Average of Many Tests 450 B&M													
450 North Fork	0.457	0.314	69.00%	1.362	0.42	31.00%	0.306	0	2212	17	ft	1:14	53
400 Wood Mono	0.457	0.117	69.00%	1.234	0.4	32.00%	0.272	0	2312	17	ft	1:14	50
400 Barnes Buster	0.457	0.768	50.00%	1.076	0.603	56.00%	0.272	2017	1877	48	yds	1:20	28
								2051	1914	48	yds	1:20	23
								1828	1698	48	yds	1:18	29
								2021	1902	48	yds	1:14	33
								2043	1908	48	yds	1:14	34
330 Barnes Banded	0.456	0.3	66.00%	1.021	0.236	23.00%	0.225	2198	1997	48	yds	1:20	41
								2331	2261	22	yds	1:14	50

.416 Caliber Solid or FMJ Tests													
Bullet	Diameter	Meplat	% Meplat	Length	Bearing Surface	% Bearing	SD	Muzzle Velocity	Impact Velocity	Impact Distance	Twist Rate	Straight Penetration	
410 GSC	0.416	0.242	58.00%	1.51	0.234	15.00%	0.338	0	2144	17	ft	1:14	55
								0	2235	17	ft	1:14	38
								0	2527	17	ft	1:14	60
410 Super Penetrator	0.415	0.28	67.00%	1.536	0.279	18.00%	0.338	2310	0	22	yds	1:14	50
400 Hornady FMJ-RN	0.416	0	0	0	0	0	0.331	2107	2070	20	yds	1:14	31
								2293	2253	20	yds	1:14	28
400 Barnes	0.415	0	0	0	0	0	0.331	2421	0	22	yds	1:14	32

Round Nose													
400 Grand Slam	0.415	0.214	52.00%	1.305	0.545	42.00%	0.331	2417	2362	22	yds	1:14	64
								X2					
400 Barnes Banded	0.4155	0.25	60.00%	1.478	0.469	32.00%	0.331	2497	2450	22	yds	1:14	60
								Was 1 Inch Off Course at 60 Inches X2					
370 North Fork	0.4155	0.271	65.00%	1.3815	0.34	25.00%	0.305	0	2375	17	ft	1:14	53
								0	2340	22	yds	1:14	56
350 Barnes Banded FN	0.415	0.25	60.00%	1.3035	0.377	29.00%	0.289	2445	2285	48	yds	1:14	58
								Average Many Tests 416 B&M					
								0	2458	17	ft	1:14	58
								0	2127	17	ft	1:14	62

.366 Caliber Solid and FMJ Tests													
Bullet	Diameter	Meplat	% Meplat	Length	Bearing Surface	% Bearing	SD	Muzzle Velocity	Impact Velocity	Impact Distance	Twist Rate	Straight Penetration	
320 Wood FMJ	0.366	0	0	1.3995	0.765	55.00%	0.341	0	1872	17	ft	1:12	67
								0	2201	17	ft	1:12	63
								2315	2257	22	yds	1:12	73
								2418	2300	22	yds	1:12	64
286 Barnes Banded FN	0.365	0.175	48.00%	1.399	0.496	35.00%	0.305	0	2223	17	ft	Unknown	25
									2377	17	ft	Unknown	25
								2598	2528	22	yds	1:12	14

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



<p>RIP one of us</p>	<p>posted 09 March 2010 21:49</p> <p>www.shooter.co.za Gerard, Nice! My work 'puter is not smart enough to block that one! I might add that I have the Wingyro working on another 'puter ow and can calculate SF finally. I believe you shared that years ago, and I just now got it working. It was a problem with my end on the hardware/software interface.</p> <p>DocM, I think you have found a home for your spreadsheets ... maybe more than one. Since you have a South African wife, you ought to post on both sides of the pond. Not logical, I know.</p> <p>That expanded .395/340gr copper GSC FN was expanded by hitting water at 2700 fps. Water is harder than concrete at that velocity, but not as abrasive. By the time it got to the second waterbucket, I am sure it was down to 2300 fps or slower. All that expansion probably happened in the first eight inches of water. Actually most of it occurred in the first 2 or 3 inches of water, most likely. Set it up nicely for straightline penetration. 🤖</p>	<p>Hide Post</p>
<p>Posts: 28032 Location: KY Registered: 09 December 2001</p>		
<p>RIP one of us</p>	<p>posted 09 March 2010 21:52</p> <p>Jim, Good work. 🤖 I am blocked from looking at photobucket at the moment, will have to whip out the iphone and magnifying glass ...</p>	<p>Hide Post</p>
<p>Posts: 28032 Location: KY Registered: 09 December 2001</p>		
<p>buffalo One of Us</p>	<p>posted 09 March 2010 22:03</p> <p>Michael.</p> <p>What about the 500 Hornady DGS in .458 at 2300 f/s in the Lott and around 1900-2000 in the 458 B&M??? Maybe the 480 grs as well? 465HH got great results with the DGS, see if you can confirm in your testboxes...</p>	<p>Hide Post</p>
<p>Posts: 873 Location: Denmark Registered: 04 January 2005</p>		
<p>capoward One of Us</p> 	<p>posted 09 March 2010 22:19</p> <p>Whoa. You can read them on a iPhone with a magnifying glass!! 🤖 I almost need a magnifying glass to read them on my 17" laptop monitor!!</p> <p>Jim 🤖 "Life's hard; it's harder if you're stupid" John Wayne</p>	<p>Hide Post</p>
<p>Posts: 4954 Location: Central Texas Registered: 15 September 2007</p>		
<p>Andy one of us</p> 	<p>posted 09 March 2010 23:54</p> <p>The 458 450 grain GS pictured was recovered in 5 gallon nylon buckets backed by a few 3/4 inch thick pine boards. It went through about 44 inches of buckets and four inches of wood as I recall. Velocity about 2,450 fps. 1-12 450 GA. Andy</p>	<p>Hide Post</p>
<p>Posts: 1278 Location: Oregon Registered: 16 January 2004</p>		
<p>I Bin Therbefor One of Us</p>	<p>posted 10 March 2010 00:47</p> <p>Many thanks for the fine team work getting the spread sheets posted! 🤖</p> <p>One more thing, please update as info is generated. 🤖🤖🤖</p>	<p>Hide Post</p>
<p>Posts: 404 Registered: 08 May 2005</p>		

michael458
One of Us



posted 10 March 2010 01:11

[Hide Post](#)

quote:

Originally posted by Gerard:
Michael,
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<http://www.shooter.co.za>

Gerard

I had in the past always contended that any deformation would or possibly could detract from straight line penetration. But I am not so sure of that these days, with as much as we are learning here. A lot of myths have been dispelled thus far. I understand the concept, and it does seem logical that by expanding the meplat upon impact, causing it to enlarge, larger meplat, deeper and straighter penetration! As long as that expanding meplat is even, which it seems to be. At least it certainly does not seem to distract from penetration from what we see.

Since I rarely run much big bore past 2300 with the exception of 416 then for me personally it does not come into effect.

Thanks so much for the offer to post on the site! It looks like Jim got it sorted out for us, as I knew he most likely would figure it out.

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**



michael458
One of Us



posted 10 March 2010 01:24

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Jim

I knew there was a reason I keep you around! Excellent job! Don't know how you did that, not sure I want to know either! Maybe I experiment for the next updated sheet and enlarge the print some so we can see it! Hell I know what's on there and I can barely make it out! Larger Print for the next one!

As for the measurements, stamping is the only way I have confidence of being consistent with all bullets. For our purposes I think it will be enough.


RIP

Well I had a suspicion that either you or Jim would figure the spreadsheet out. I was correct!

I think a good test again with the same .395 bullet in the Sim-Test, eh? Might see Sim explode everywhere? Good concept, I just have not seen it.

Buffalo

Yes, will do the Hornady DGS! When they come in I will hammer them at several velocities and see what we see. As you see posted under the 458 section the one test did not do so well with the 480. So I don't put a lot of faith in them being able to perform with the big boys! Yes, I know all too well that 465HH did very good with them, and from what I have seen he is recommending them now! What would he do if he ever shot a North Fork or Barnes Banded into an elephant, and saw how

good that performed I wonder? 

Andy

Thanks, good info!

IBT

Yes, every update I will send to Jim and Jim can post it! Maybe I will ask him how, but he does things that are too complicated for me to deal with! Good man to have on the team! (But he will drive you Quickload Crazy-so don't ask about that-and he is the Quickload King)

Didn't you say you were going to be in Charlotte at the NRA Convention?

Michael

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



capoward
One of Us



posted 10 March 2010 01:41

Hide Post

quote:

Originally posted by Michael458:
But he will drive you Quickload Crazy-so don't ask about that...

Hum...thought that was QuickDesign Crazy...Hum... Ok guess I can stop sharing... 😊 🍷 🍷



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

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



michael458
One of Us



posted 10 March 2010 01:51

Hide Post

Jim
Damn, did you see I was talking to IBT? No my man, just F%\$@*&G with ya! I am quite sure you are a genius! And these days you seem to be quite an asset, so thanks! I am just proud as can be I have one of those little photos under my name now! No one has said shit about it either!

All my life I have made it a point to surround myself with good folks! That is the way to success you know! So count yourself as one of those!

Michael

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

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



jwp475
One of Us



posted 10 March 2010 02:10

Hide Post

What is being done here is a lot of work and the information is light years ahead of the inaccurate BS that has been spouted for years.

To the testers 5 thumbs up and a toast.. 🍷 🍷 🍷 🍷 🍷 🍷 🍷 🍷 🍷

A 9mm may expand to a larger diameter, but a 45 ain't going to shrink

Men occasionally stumble over the truth, but most of them pick themselves up and hurry off as if nothing had happened.
- Winston Churchill

Posts: 5077 | Location: USA | Registered: 11 March 2005



capoward
One of Us



posted 10 March 2010 02:14

Hide Post

quote:

Originally posted by michael458:
Jim
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Michael

Ok, just F%\$@*&G back with ya!

And, you're looking mighty perky...nice photograph!

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

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



capoward
One of Us



posted 10 March 2010 02:16

Hide Post

quote:

Originally posted by jwp475:
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To the testers 5 thumbs up and a toast.. 🍷 🍷 🍷 🍷 🍷 🍷 🍷 🍷 🍷

+1 and another toast 🍷 🍷 🍷 And John for you and I 🍷 🍷

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

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



465H&H
One of Us



posted 10 March 2010 03:43

[Hide Post](#)

quote:

Originally posted by michael458:
Jim

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Andy

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Didn't you say you were going to be in Charlotte at the NRA Convention?

Michael

Michael,

I have already done that with the NF. Check my last hunt report for the results.

465H&H

Posts: **5686** | Location: **Nampa, Idaho** | Registered: **10 February 2005**



michael458
One of Us



posted 10 March 2010 03:55

[Hide Post](#)

465

HEH! Depends on where you put the hunt report. I don't spend much time upstairs, it's a little to "pompous" for my tastes. Most of the time I cruise through just curious at what ignorant stupidity I might run across for laughs. And if you are posting it upstairs you are pretty much wasting your energy there, if it has to do with shooting and bullets, it needs to be here where at least it can be looked at by shooters.

3/10/10

You know this statement is a bit ugly, and for that I apologize for the rudeness of it, in doing my best to be a gentleman! But none the less, it's very hard for me to tolerate rudeness, arrogance, ego and ignorance, traits combined together as one in others in which they consider themselves legends in their own minds because of some sort of experience or another. Not directed at you 465 HH at all, but some you hang around with! I think you should keep better company and stay down here with us! Most of the time I simply ignore, but once and awhile I cannot abide by such, and simply must take them to task!

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

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



capoward
One of Us



posted 10 March 2010 04:52

[Hide Post](#)

quote:

Originally posted by michael458:
465

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M

Michael,

Here's H's post over on the DR Forum, 470 vs 500 (Penetration) Thread:

quote:

Originally posted by 465H&H:

Here are some results from my use of various solids on elephants. I will limit this to frontal head shots for the time being. In general I have found that RN steel jacket solids will penetrate to the middle of the neck. That is for 480 to 500 grain bullets out of the 465 or 470 rifles. Hornady 500 grain 458 Win bullets (DGS) at 2,150 fps were found at the front of the shoulder, approximately 18" farther than the Woodleighs. North Fork FN solid was found about 12" behind the shoulder bone in the in the back strap next to the spine. Still more penetration. Out of the Lott, the 458 woodleigh 550 grain bullets at 2,150 fps were found in the stomach contents. That is over six feet pf penetration. I haven't tried any 500 bullets so I can't say what they would do. I also give a caveat with the above results. My sample sizes are small but the results were consistent. My next try may not be as consistent. All of these bullets killed the elephants in a most satisfying manner. I would use any of them again.

465H&H

I'll try to summarize as follows:

Calibers – Penetration on frontal head shots of elephant:

.465 & .475 Calibers:

480gr & 500gr Woodleigh FMJ RN: – frontal head to middle of the neck,

.458 WinMag @ 2150fps:

500gr .458 Hornady DGS FN: Woodleigh +18" (frontal head to front of shoulder)

500gr .458 North Fork FN: Woodleigh +30" (frontal head to back strap next to spine)

.458 Lott @ 2150 fps:

550gr .458 Hornady DGS FN: Woodleigh +30"+ (found in stomach – over 6' penetration)

Now if we knew the actual distance of "frontal head to middle of the neck" and "found in stomach – over 6' penetration" a better perspective could be developed.

Jim

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

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



someoldguy
One of Us



posted 10 March 2010 06:12

[Hide Post](#)

quote:

. No I have not forgot who come up with this, Thank You Glenn!

You're welcome! I'm glad I could contribute something other than aggravation.

Hey, I didn't really suggest lipstick for marking the meplat, did I?



Great job on the spreadsheet, Jim.
Now don't get ticked off and delete it on us!



Glenn

Posts: 942 | Location: Alabama | Registered: 16 July 2007



I Bin Therbefor
One of Us

posted 10 March 2010 15:43

[Hide Post](#)

"Didn't you say you were going to be in Charlotte at the NRA Convention?"

Will not be at NRA this year. It's the Shoot Show's turn. Did attend the DSC earlier in the year. I try to rotate the NRA, SCI, DSC and Shoot Show in some sort of order. One a year.

Posts: 404 | Registered: 08 May 2005



michael458
One of Us



posted 10 March 2010 16:15

[Hide Post](#)

IBT

OK then I suppose I won't see you there. I don't make many shows anymore. I do love SHOT and the NRA, and since NRA is in my back door nearly I will be there for Friday and Saturday on the floor. I won't attend other functions, just the floor!

Michael

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

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



Whitworth
Moderator



posted 10 March 2010 17:10

[Hide Post](#)

quote:

Originally posted by michael458:
IBT

OK then I suppose I won't see you there. I don't make many shows anymore. I do love SHOT and the NRA, and since NRA is in my back door nearly I will be there for Friday and Saturday on the floor. I won't attend other functions, just the floor!

Michael!

I will see you there, Michael!

"Ignorance you can correct, you can't fix stupid." JWP

If stupidity hurt, a lot of people would be walking around screaming.

Semper Fidelis

"Building Carpal Tunnel one round at a time"

Posts: **13440** | Location: **Virginia** | Registered: **10 July 2003**



DWright
One of Us

posted 10 March 2010 18:05

[Hide Post](#)

quote:

DWright

I was thinking about you this morning and wondering where you have been? About the thread, yeah, who would have thought it? But here we are. I suppose some folks are very upset that it has continued, don't you suspect? The truth is out there!

O, I'm here Michael. . . . yup, right here

Keepin an eye on all the testing goin on, in case I have to jump in to keep you between the picket fences!

But it looks like you are doin just fine so far on your own. . . . But remember. . . .

I WILL be watching!



<http://www.mazamasportinggoods.com>

Posts: **1324** | Location: **Oregon rain forests** | Registered: **30 December 2007**



jwp475
One of Us



posted 10 March 2010 18:21

[Hide Post](#)

quote:

DWright

I was thinking about you this morning and wondering where you have been? About the thread, yeah, who would have thought it? But here we are. I suppose some folks are very upset that it has continued, don't you suspect? **The truth is out there!**

But, where is there? I could not find it on my GPS

A 9mm may expand to a larger diameter, but a 45 ain't going to shrink

Men occasionally stumble over the truth, but most of them pick themselves up and hurry off as if nothing had happened.
- Winston Churchill

Posts: **5077** | Location: **USA** | Registered: **11 March 2005**



Whitworth
Moderator



posted 10 March 2010 18:26

[Hide Post](#)

quote:


Originally posted by jwp475:

quote:

DWright

I was thinking about you this morning and wondering where you have been? About the thread, yeah, who would have thought it? But here we are. I suppose some folks are very upset that it has continued, don't you suspect? **The truth is out there!**

But, where is there? I could not find it on my GPS

Evidently you need a better GPS..... 

"Ignorance you can correct, you can't fix stupid." JWP

If stupidity hurt, a lot of people would be walking around screaming.

Semper Fidelis

"Building Carpal Tunnel one round at a time"

Posts: **13440** | Location: **Virginia** | Registered: **10 July 2003**



michael458
One of Us





posted 10 March 2010 18:31

[Hide Post](#)

Excellent Whitworth--For sure will catch up with you there on the floor I suppose, or are you behind the scenes somewhere?

Dwright, keep watching!

JWP

There? Here is there? All truth flows from South Carolina! 


Had a GPS once, could not figure out anything other than on and off! Much past that I just soon use a compass! But I do have that on and off button whipped!

OK, little break, back to the lab, then back to the range!

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 11 March 2010 16:22 [Hide Post](#)

I think I might have the spreadsheet thing figured out. Also made some improvements on the way it appears (I think) since I have and keep the data. If this works well, then it is not an issue for me to update and post when needed. So we see below?

458 Caliber Solid or FMJ Tests

Bullet	Diameter	Meplat	% Meplat	Length	Bearing	Surface%	Bearing	SD	Muzzle Velocity	Impact Velocity	Impact Distance	Twist Rate	Straight Penetration
550WoodFM	0.458	0	0	0		0	0	0.374		0	2146 22 yds	1:14	28
500Woo FM	0.458	0	0	1.389		0.48	35.00%	0.341	2100 1827	2051 1776	22 yds 22 yds	1:14 1:14	31 24
500 Barnes Banded	0.456	0.3	66.00%	1.519		0.444	29.00%	0.341	2209 1815	2160 1780	22 yds 22 yds	1:14 1:14	62+ 62+
								X2	1489	1453	22 yds	1:14	35-43 52-53
								X2	2213	2148	22 yds	1:14	66
500 Nosler	0.457	0.275	60.00%	1.530		0.706	46.00%	0.341	0	2181	22 yds	1:14	62
500 Super Penetrator	0.456	0.28	61.00%	1.5765		0.246	15.00%	0.341	0	2160	22 yds	1:14	30
500 Rhino	0.456	0.28	61.00%	1.572		0.706	45.00%	0.341	0	2190	22 yds	1:14	58
480Hornady DGS	0.4565	0.246	54.00%	1.332		0.586	44.00%	0.327	2157	2121	20 yds	1:14	31
475 JDJ	0.457	0.302	66.00%	1.469		0.216	15.00%	0.323	0	2140	20 yds	1:14	62
450 Barnes Banded	0.456	0.3	66.00%	1.371		0.363	26.00%	0.306	2227	2172	22 yds	1:14	56
									Average of Many Tests 458 B&M				
450 North Fork	0.457	0.314	69.00%	1.362		0.42	31.00%	0.306	0	2212	17 ft	1:14	53
								X2-Each	0	2160	22 yds	1:14	56
400 Wood Mono	0.457	0.317	69.00%	1.234		0.4	32.00%	0.272	0	2312	17 ft	1:14	50
								X2					
400 Barnes Buster	0.457	0.268	58.00%	1.076		0.603	56.00%	0.272	2017 2051 1828	1877 1914 1698	48 yds 48 yds 48 yds	1:20 1:20 1:18	28 23 28
									2051 2043	1902 1908	48 yds 48 yds	1:14 1:14	33 34
330 Barnes Banded	0.456	0.3	66.00%	1.021		0.236	23.00%	0.225	2138 2331	1937 2281	48 yds 22 yds	1:20 1:14	41 50

<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 11 March 2010 16:23 [Hide Post](#)

Well that appears pretty good looks like to me!

Michael

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

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



416Tanzan
One of Us



posted 11 March 2010 17:23 [Hide Post](#)

It would be nice to have the expandable data, and 338, too, when you get a chance.

+++---+++

"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**



michael458
One of Us



posted 11 March 2010 17:46

[Hide Post](#)

Tanzan

When I saw your post in my email, I remembered, wait, in the solids we also did a 250 Barnes 338, that I neglected putting on the spreadsheet.

What has been posted is Solids and FMJ only---no expanding bullets. The way I keep terminal data is by caliber. All expanding and solids are on those sheets, but, this was a request from Capoward which included all measurements of solids, so it is totally separate sheet from the other data.

As for expanding, yes that is something I can work on and get posted now that I know how to do it.

I will endeavor to get some data posted.

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 11 March 2010 17:59 Hide Post

Tanzan

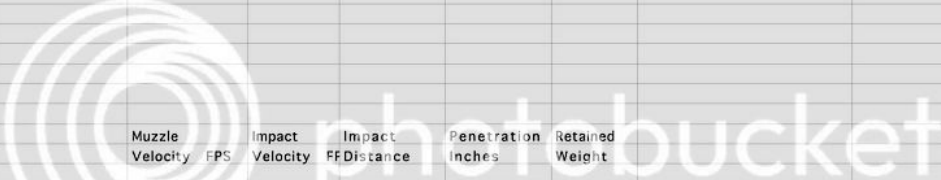
How's this work for you?

Blue is for Approved Loads

Yellow for Loads that Need More Tests

Terminal Performance Tests for .338 Caliber Bullets

Date	Bullet	Muzzle Velocity	FPS	Impact Velocity	Impact FF Distance	Penetration Inches	Retained Weight
338 Ultra Terminal Tests---Wet Print/Magazine Mix							
1/26/10	160 BarTTSX		3113	2985	48 yds	10"	159
1/26/10	185 BarTTSX		3201	3095	48 yds	11"	184
1/20/10	210 Barnes X		3211	3080	48 yds	11"	209
1/20/10	210 Nosler P		3155	3030	48 yds	11"	162
1/20/10	225 Hornady		3144	3040	48 yds	11"	145
1/20/10	225 Nosler A		3152	0	48 yds	11"	125 Trauma
1/20/10	225 RemBond		3108	2948	48 yds	10"	147 Extreme Trauma 4"
1/20/10	225 Wood PP		3113	2951	48 yds	10"	163 Extreme Trauma 4"
1/20/10	225 Swift		3130	3017	48 yds	15"	206
1/26/10	225 BarTSX		3177	3027	48 yds	18"	171 Petals Shear-Trauma
1/20/10	250 Hornady		2977	2866	48 yds	11"	146
1/20/10	250 Nosler P		2963	2873	48 yds	16"	195
1/20/10	250 BarSolid		2170	2022	48 yds	48"	250 Straight Line Penetration
1/20/10	250 BarSolid		2747	2545	48 yds	60"	250 Straight Line Penetration
1/20/10	275 Swift		2798	2677	48 yds	17"	261



Muzzle Velocity	FPS	Impact Velocity	Impact FF Distance	Penetration Inches	Retained Weight	
338 Winchester Terminal Performance---2010 Tests wet print/mag Mix						
1/26/10	160 BarTTSX	2959	2831	48 yds	10"	159
1/22/10	180 Nosler A	2991	2837	48 yds	10"	136
1/26/10	185 BarTTSX	2974	2872	48 yds	11"	184
1/22/10	200 NoslerBT	2947	2854	48 yds	10"	133
1/22/10	215 Sierra	2913	0	48 yds	11"	181
338 Win	225 Nosler Bonded	2693 fps		50	16"	148
338 Win	250 Hornady	2640 fps		50	- - -	170
NOTE-These Tests were Old Tests-Wet Print Only! Good Performance---<<<<<250#animals Max Velocity for this bullet 2700 fps						
Very Good Performance---<<<<<250# animals Max Velocity for this Bullet 2650 fps						
1/20/10	210 Barnes X	2887	2783	48 yds	13"	209
1/20/10	210 Nosler P	2917	2799	48 yds	12"	151
1/20/10	225 Hornady	2878	0	48 yds	14"	167
1/20/10	225 Nosler A	2884	2788	48 yds	13"	145
1/20/10	225 Remington	2851	2724	48 yds	13"	200
1/20/10	225 Wood PP	2859	2717	48 yds	13"	195
1/20/10	225 Swift	2934	2821	48 yds	14"	202
1/26/10	225 BarTSX	2883	2753	48 yds	15"	225
1/22/10	250 Hornady	2676	2585	48 yds	14"	176
1/22/10	250 Nosler P	2736	2645	48 yds	16"	200
1/22/10	250 Swift A	2644	2534	48 yds	18"	242
2/12/10	250 BarTSX	2525	2469	22 yds	18"	250
2/12/10	250 BarTSX	2699	2640	2 yds	17"	250

338 WSM Terminal Performance---Wet Print/Magazine Mix

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

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

Whitworth
Moderator



posted 11 March 2010 18:01 Hide Post

Michael, PM sent.....

"Ignorance you can correct, you can't fix stupid." JWP

If stupidity hurt, a lot of people would be walking around screaming.

Semper Fidelis

"Building Carpal Tunnel one round at a time"

Posts: **13440** | Location: **Virginia** | Registered: **10 July 2003** 👤

michael458
One of Us



posted 11 March 2010 18:12

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quote:

Originally posted by Whitworth:
Michael, PM sent.....

Got it and replied back.
M

<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 11 March 2010 18:13

[Hide Post](#)

Now I am outta here, I have range work to do, some more load data on the 50 B&MSA.

Be back sometime later!
M

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

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



416Tanzan
One of Us



posted 11 March 2010 19:16

[Hide Post](#)

quote:

Originally posted by michael458:
Tanzan

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1/20/10	225 Wood PP	3113		2951	48 yds	10"	163 Extreme Trauma 4"
1/20/10	225 Swift	3130		3017	48 yds	15"	206
1/26/10	225 BarTSX	3177		3027	48 yds	18"	171 Petals Shear-Trauma
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1/20/10	250 Nosler P	2963		2873	48 yds	16"	195
1/20/10	250 BarSolid	2170		2022	48 yds	48"	250 Straight Line Penetration
1/20/10	250 BarSolid	2747		2545	48 yds	60"	250 Straight Line Penetration
1/20/10	275 Swift	2798		2677	48 yds	17"	261

Date	Bullet	Muzzle Velocity	FPS	Impact Velocity	Impact FF Distance	Penetration Inches	Retained Weight
338 Winchester Terminal Performance---2010 Tests wet print/mag Mix							
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1/22/10	180 Nosler A	2991		2837	48 yds	10"	136
1/26/10	185 BarTTSX	2974		2872	48 yds	11"	184
1/22/10	200 NoslerBT	2947		2854	48 yds	10"	133
1/22/10	215 Sierra	2913		0	48 yds	11"	181

Posts: 4253 | Registered: 10 June 2009

NOTE-These Tests were Old Tests-Wet Print Only!

Whitworth Moderator



338 Win 225 Nosler 2693 fps 50 16" 148 Good Performance---<<<<250#animals
 posted 11 March 2010 21:01 Max Velocity for this bullet 2700 fps [Hide Post](#)
 338 Win 250 Hornady 2640 fps 50 - - - 170 Very Good Performance---<<<<250# animals
 Hey, whatever happened to the Garrett Hammerheads y'all were going to test?? Max Velocity for this Bullet 2650 fps

1/20/10 210 Barnes X 2887 2783 48 yds 13" 209
 1/20/10 210 Nosler P 2917 2799 48 yds 12" 151
 1/20/10 225 Hornady 2878 0 48 yds 14" 167
 1/20/10 225 Nosler A 2884 2788 48 yds 13" 145
 1/20/10 250 Hornady 2851 2724 48 yds 13" 200
 1/20/10 225 Wood PP 2859 2717 48 yds 13" 195
 1/20/10 225 BarTSX 2883 2753 48 yds 15" 225
 1/20/10 250 Hornady 2699 2609 48 yds 14" 176
 1/22/10 250 Nosler P 2736 2645 48 yds 16" 200
 1/22/10 250 BarTSX 2644 2534 48 yds 18" 242
 2/2/10 250 BarTSX 2525 2469 22 yds 18" 250
 Nice picture Michael...not as perky as yesterday but nice nonetheless. 250

Posts: 13440 | Location: Virginia | Registered: 10 July 2003

capoward One of Us



posted 11 March 2010 22:04
 2/2/10 250 BarTSX 2525 2469 22 yds 18" 250
 Nice picture Michael...not as perky as yesterday but nice nonetheless. 250 [Hide Post](#)

Jim
 "Life's hard; it's harder if you're stupid"
 338 Winchester Terminal Performance---Wet Print/Magazine Mix

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

sharpsguy One of Us



Hey Michael, that works for me!
 posted 11 March 2010 23:28 [Hide Post](#)
 There are going to be a lot of thankful animals in the forest for a neat, orderly invitation to dinner.
 I've been wondering the same thing as Whitworth. What happened to the Garrett Hammerhead test?
 +--+--+--+--+

Posts: 807 | Location: East Texas | Registered: 03 November 2007

jwp475 One of Us



"A well-rounded hunting battery might include:
 500 Accret Nyati, 416 Rigby or 416 Ruger, 375Ruger or 338WM, 308 or 270, 243, 223" --
 Conservativ posted, 12 March 2010 04:25. [Hide Post](#)

Yes, the 45-70 Hammer Heads, what happened?

A 9mm may expand to a larger diameter, but a 45 ain't going to shrink

Men occasionally stumble over the truth, but most of them pick themselves up and hurry off as if nothing had happened.
- Winston Churchill

Posts: 5077 | Location: USA | Registered: 11 March 2005

capoward One of Us



posted 12 March 2010 05:53 [Hide Post](#)
 Did someone ever send some Hammerheads to Michael?

Jim
 "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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