# THE ACCURATERELOADING.COM BIG BORE FORUMS



Accuratereloading.com Interaction and Accurate Reloading Forums and THE ACCURATE RELOADING.COM FORUMS in Rifles in Big Bores and Terminal Bullet Performance

Moderators: GeorgeS

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Termi	nal Bulle	et Perfo	rmance																	L	ogin/Join	
Warri One of			posted 1	3 February	2010 15:3	38															<u>Hide Post</u>	
		VVa	rior,																			
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		Wa	rrior																			
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		"Ge	orge:																			
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			akin to di m, dive fro											mal d	living	board	d heig	ght y	ou doi	nt cor	ne to	
		Soft solids also exhibit shear thickening, it's like spooning honey, do it slowly and the spoon will move wit little resistance, speed up the spoon motion and resistance increases.							with													
		the defe Eve liter the	re look at temporar orming sta ntually we rally vapou target an astic enou	y cavity d able proje would h urizes on d as long	iaméter b ctile in ta ave a ver impact wi as the ta	ut th rget y sha thou rget	he wa allo ut r t tis	sha e se ow muc ssu	allow eeth wou chpe eis	ver t hat t und v enet stro	he p he T with ratio ng e	enetr C incr very l n, all noug	ration rease large the k h	. If w s in s TC. If	e incr ize bu f the p	ease ut per projec	a the netra ctile g	eoret tion goes	ical no decrea at 10,	on ases. 000 fj	os it	
			in e	owever th lastic, nor ts: 4971	n compres	sable live	ror	br	ain	is g											ne rela	atively
		Post	ts: <b>2273</b>	Location:	South of t	the Z	Zar	mbe	ezi	Reg	istere	ed: <b>31</b>	Janu	Jary 2	2007						<del>3</del> "	

VVarrior One of Us	posted 13 February 2010 17:41	<u>Hide Post</u>						
	Hey Warrior, Do you always pay such close attention to everything you dish up as proof?							
	quote:							
	Trying to be clever is not helping your cause one bit The 5 th option, which you have omitted, seems to prove that you are Gerard's wondering ghost.							
	The post of Alf follows below - posting 4971 - see very last sentence.							
	quote:							
	Posts: 4971   Registered: 16 August 2000	]						
	Alf is on 5592 today. Below is yours from today. Tomorrow it will be more, depending on how much yo off at the mouth.	u run						
	quote: Posts: 1149   Location: South of the Zambezi   Registered: 31 January 2007	]						
	Cive us a link. Cutting and posting is not good anough. You shappe things to suit yourself as we don't	_						
	Give us a link. Cutting and pasting is not good enough. You change things to suit yourself so we don't believe you any more.							
	You might say I am Gerard's "wondering" ghost. Like him, and most others here, we wonder what funny you will come up with next.							
	Second Se							
	Posts: 127   Location: South of the Zambezi 2   Registered: 22 March 2008	ď						
Warrior One of Us	posted 13 February 2010 19:25	<u>Hide Post</u>						
	Go play with yourself or write to Alf and satisfy yourself. You are not contributing here one iota. Warrior							
	Posts: 2273   Location: South of the Zambezi   Registered: 31 January 2007	<b>5</b> "						
DWright One of Us	posted 13 February 2010 19:51	<u>Hide Post</u>						
	Hmmmm, only 32 pages so far I knew this post would never get off the ground!							
	http://www.mazamasportinggoods.com							
	Posts: 1324   Location: Oregon rain forests   Registered: 30 December 2007	්						

michael458	A needed 12 February 2010 10(F2	Hide Post
One of Us	posted 13 February 2010 19:52	<u>Hide Post</u>
Ŵ	Oh My God!!!!!! I just remembered! Somewhere I thought I saw you say something about a 23 inch B&M?????? Tell me my eyes deceived me, tell me you made a typo, tell me anything but that!!!!!!!!!	
	I am just not sure I can bear it!!!	
	Designed wonderfully for 18 and 20 inches!!!!! ©	
	OK yes, I would not have one with over 20 inches of barrel, but that's for me going to the bush and l to tote it around all day, and 18 is far more to my preference, and when I take the 458 B&Ms on miss will be the 18 inch guns!	
	Now, with that said, I have a Winchester 1885 in 458 B&M24 inch barrel version!!!!! 24 inches on a 1885 is exactly same overall length as a 20 inch bolt gun! It is slim, and handy, and 24 inches of barr not hurt it at all, aesthetics are good too.	
	With the 24 inch barrel the same exact loads that push the 450s at 2200-2225 in 18 inches push the at 2340 fps in the 24 inches, at 60000 psi. 500s at 2200 fps at 61000 psi. 23 inches would be very si slightly less but not much.	
	Just FYI	
	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 no represent, own stock, nor do I receive any proceeds, or monies from ANY BULLET COMPANY. I am not 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 13 February 2010 19:55	<u>Hide Post</u>
Real	Dwright	
122	Where you been! Yeah, dead post, people don't like me I think! They keep running away.	
· · · ·	Oh well,,,,,,,whatta gonna do?	
	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 no represent, own stock, nor do I receive any proceeds, or monies from ANY BULLET COMPANY. I am not bullet business, and have no Bullets to sell to you, nor anyone else.	
	Posts: 8426   Location: South Carolina   Registered: 23 June 2008	s.

<b>jwp475</b> One of Us	posted 13 February 2010 19:59	<u>Hide Post</u>
	quote:	
	Originally posted by michael458: Phats	
	A long time ago I got hot on the 460 Rowland! I bought 500 pieces of brass, got a barrel fitted to one of my 1911s, and was set to jet. Loaded up a magazine full of something hot as hell 460 Rowland stuff! Shot one magazine full and that was it!!!! The whipping recoil twisting my wrist, causing undue trauma to my wrist I packed that shit up and forgot about 460 Rowland!!!!! Eventually I traded the brand new 500 pieces of 460 Rowland brass for 500 pieces of 45 Colt brass and have been very happy ever since to put the 460 Rowland out to pasture! Ugly recoil on a 1911 frame! Whipping, turning my wrist sideways, screw that! Michael	
	Then the recoil of the 50 BMG on the 1911 frame "must be out of the question" Yes it has been done	
	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 noth had happened. - Winston Churchill	ing
	Posts: 5077   Location: USA   Registered: 11 March 2005	്
VVarrior One of Us	posted 13 February 2010 20:02	<u>Hide Post</u>
	Hey Warrior, Exposed again hey? There are no links. Not even to empty posts by Alf. Making up facts from nothing like a niche talent for you. Or are you perhaps Alf's "wondering" ghost?	seems
	VVarrior	<b>- 20</b>
	Posts: 127   Location: South of the Zambezi 2   Registered: 22 March 2008	ď
Phatman One of Us	posted 13 February 2010 20:22 Micheal,	<u>Hide Post</u>
	On your 1911, try a EGW firing pin stop. It makes a huge difference in the way the gun handles. I know it sounds like BS but its true.	
	John 📴	
	Give me COFFEE and nobody gets hurt	
	Posts: 1608   Location: San Antonio, Texas   Registered: 04 January 2010	S.
capoward One of Us	posted 13 February 2010 21:19	<u>Hide Post</u>
photobucket.	quote:	
	Originally posted by boom stick: Capo	
	Can you run Quickload for a 50 grain bullet out of a 45 ACP???	
	If a handgun can get a 50 grain bullet going 3,000 FPS that will be 1,000 FPE If it can get 2,500 that will be 700 FPE. That would almost double a standard 45 ACP load. A standard load delivers 230 @ 850 for 370 FPE	
	Boomy,	
	It'll take a few minutes to gin up the size shape of the bullet in QD then to run it in QLwill do and po shortly.	ost
	Jim 🕰 "Life's hard; it's harder if you're stupid" John Wayne	
	Posts: 4954   Location: Central Texas   Registered: 15 September 2007	്



auote: Originally posted by capoward: quote: Originally posted by boom stick: Capo... Can you run Quickload for a 50 grain bullet out of a 45 ACP??? If a handgun can get a 50 grain bullet going 3,000 FPS that will be 1,000 FPE If it can get 2,500 that will be 700 FPE. That would almost double a standard 45 ACP load. A standard load delivers 230 @ 850 for 370 FPE Boomy, It'll take a few minutes to gin up the size shape of the bullet in QD then to run it in QL...will do and post shortly. Ok bullet designed and multiple simulations in QL run, here's the results: 45 semi-auto handgun 45 ACP cartridge (SAAMI Pmax (MAP) = 21000 psi) ADI AP 70N Propellant ADI AP 70N Propellant 50gr .452 SST HP Aluminum Solid bullet: 4.0" barrel: 12.6grs = 2023fps & 454ft-lbs @ 20617 psi (F/LR: 105.0%, PB: 77.9%) 5.0" barrel: 12.6grs = 2172fps & 524ft-lbs @ 20617 psi (F/LR: 105.0%, PB: 81.7%) 6.0" barrel: 12.6grs = 2285fps & 580ft-lbs @ 20617 psi (F/LR: 105.0%, PB: 84.3%) 8.0" barrel: 12.6grs = 2449fps & 666ft-lbs @ 20617 psi (F/LR: 105.0%, PB: 87.7%) 10.0" barrel: 12.6grs = 2567fps & 731ft-lbs @ 20617 psi (F/LR: 105.0%, PB: 89.8%) 220cr 4C2 Windowster DEM EMILIA 230gr .452 Winchester RN FMJ bullet: 4.0" barrel: 6.1grs = 885fps & 410ft-lbs @ 20423 psi (F/LR: 66.5%, PB: 99.81%) 5.0" barrel: 6.1grs = 943fps & 454ft-lbs @ 20423 psi (F/LR: 66.5%, PB: 99.81%) 6.0" barrel: 6.1grs = 977fps & 488ft-lbs @ 20423 psi (F/LR: 66.5%, PB: 99.81%) 8.0" barrel: 6.1grs = 1025fps & 537ft-lbs @ 20423 psi (F/LR: 66.5%, PB: 99.81%) 10.0" barrel: 6.1grs = 1059fps & 573ft-lbs @ 20423 psi (F/LR: 66.5%, PB: 99.81%) That's about it. Jim 🖓 "Life's hard; it's harder if you're stupid"

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

John Wayne

<del>6</del>"



# auote: Originally posted by boom stick: quote: Originally posted by boom stick: LOL Maybe in recoil but for humans and small game they will be deadly as all get out. An aluminum bullet albeit light going that fast and with the hollow point will be more devastating than conventional handgun bullets close range. Did you see the quickload numbers for the 500 S&W? The weight of a 9mm bullet but going 2,652 FPS!!! 138gr .500 SST FN Shredder Aluminum Solid bullet Hodgdon HS-6 Propellant UCC: 40.9grs, CW: 34.0grs = 2652fps & 2156ft-lbs @ 61534 psi It wont be like having sex and the girl goes "Is it in yet?" this banshee will scream! Let's put it this way... You praised the 45 ACP that dumped all of its energy in the skull of the big guy and did not exit. The 45 ACP in the high range produces 400 FPE Imagine a bullet that does not exit (To be determined) that dumps FOUR TIMES that amount with a wound channel from hell. Yes these are a newfandangled idea but you as a wildcatter par excellence should be open to new ideas. If the 45 ACP bullets and the aluminum human quesinart bullets penetrate the same but deliver 4 or 5 times the energy that is a revolution in home defense. http://www.youtube.com/watch?v=JOxGL5G8Pbk Unlike the threat from Dirty Harry about the 44 magnum with aluminum bullets it might just "Blow your head clean off" OK going back I found out that the 45 ACP bullets penetrated THE SAME AMOUNT as the 100grain aluminum bullets but delivered 2,350 FPE That is about 2,000 more FPE than the 45 ACP's!!!!! What will do more damage??? Not apples to apples I admit but compare what a 500 S&W with wider heavier aluminum bullets going even faster... you get the idea. An apples to apples comparison of the same cart/gun would be interesting. Figuring out the optimal aluminum bullet size and comparing the results would be interesting. A wheel gun with the "Aluminator" bullet (in my best Aaaahnold voice) against the 45 ACP is no comparison. Capo... Can you run Quickload for a 50 grain bullet out of a 45 ACP??? If a handgun can get a 50 grain bullet going 3,000 FPS that will be 1,000 FPE If it can get 2,500 that will be 700 FPE. That would almost double a standard 45 ACP load. A standard load delivers 230 @ 850 for 370 FPE Booming do you have any ides what FPE means? I'll tell you it means absolutely nothing. In an inelastic collision (which is what a bullet strike is) the FPE transforms into most thermal energy. What is transfered is momentum and the heavier bullets have MUCH more momentum to transfer. That is why they do more damage and penetrate deeeper. Put a hole through the vitails and death soon follows. My 338 Laupa at 2800 FPS witha 300 SMK hs more FPE than does a 500 grain out of a 458 Win mag. Does that make the 338 Laupa an Elephant round because it has the 5000+ FPE? Of course it doesn't. A light wieght Aluminum bullet is not new and is not progress.

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

<b>RIP</b> one of us	posted 14 February 2010 01:36	ide Post
	Boomer, O.K., so the bad guy hit between the eyes, will have his head exploded, with an allyoominium, or allyoonyum, or aluminum bullet (including all dialects for pronunciations). Agreed.	
	I would rather see him simply drop dead with his eyes bugging out. Standard ammo for me, in the 45ACP. That will take care of the hardest human heads, with less mess to clean off the ceiling.	
	Michael, Here are the case capacities from the fireformed cases I have from your rifle, a freebie from you when I purchased the reloading dies from you at cost. Thank you very much, generous Sir!	
	Of the 10 Quality Cartridge .458 B&M Headstamped cases, 3 of them were outliers, averaging 271.3 grains of brass weight 92.1 grains of gross water capacity and	
	2.233" length. The other 7 QC cases averaged 252.4 grains of brass weight 95.0 grains of gross water capacity and 2.239" length.	
	The only 3 cases formed from 300 RUM averaged 252.2 grains of brass weight 94.4 grains of gross water capacity and 2.235" length. This is almost identical to the QC "normal" brass, any difference could be explained by length difference, or insignificant with such a small sample.	
	I do not know what to make of the 3 pieces of QC brass that averaged about 19 grains heavier than the other 7 pieces, unless the spent primers in those had lead in their cups.	9
	Easy to sort out those by weighing. Those 3 cases will become feed-work dummies loaded short and long. 3.000" and 3.600" COLs. 9	
	.458 WinMag brass by RP from my lot of brass was measured by the same technique as the .458 B&M bi (Your mileage may vary.):	rass
	10 pieces averaged 236.3 grains in brass weight (fireformed with spent primer in place as above) 94.8 grains of gross water capacity and 2.489" length.	
	a .458-caliber bullet displaces 41.6 grains of water per inch of full-diameter shank.	
	If the <b>.458 WinMag RP brass</b> is allowed to grow to max length of 2.500", case capacity becomes: <b>95.3 grains H2O</b>	
	If the <b>.458 B&amp;M QC or RP brass</b> is allowed to grow to max length specified at Ammoguide, by you, 2.29 case capacity becomes: <b>97.3 grains of H2O</b>	5",
	The .458 B&M is 2 grains bigger on this sampling, and also more efficient to boot, eh?	
	Sorry.	
	This Image Is currently Unavailable	
	[O]] photobucket	
	Sorry.	
	This Image Is currently Unavailable	
	DI photobucket	
	I think I might have to build two of these .458 B&Ms One a shortie with 20" barrel and 3" box, with twist of 1:12" or faster. 😂	
	The other will have a 23" barrel and a 3.6" box for Peacekeeping, Whaling, and Whispering purposes, w a 1:10" twist. 😂 Letter Rip	ith
	Posts: 28032   Location: KY   Registered: 09 December 2001	්
MikeBurke 🗖	posted 14 February 2010 02:00	



Caliber: 470 Nitro Express Rifle: Krieghoff Double Brass: Jamison Primer: Remington 9 1/2M Powder: Reloder 15

The test box is fabricated from 2 by 6 pine boards and is 72" long. Test media consisted of  $\frac{1}{4}$ " luan, 12" of saturated newspaper, 2 by 6 treated pine (shooting through the 1 5"8" thickness), and approximately 60" of saturated newspaper. Great care was taken to make certain the newspaper was thoroughly soaked in a tub prior to placing in the test bed. After placing the paper in the test bed excess water was permitted to drain for 30 minutes. The bullet entered the box at 32 feet from the muzzle.

Bullets tested: Woodleigh 500 Grain solid @ an average impact velocity of 2065 North Fork 500 Grain solid @ an average impact velocity of 2075

First portion of the test consisted of firing consisted of firing 5 Woodleigh bullets in the test media.

Shot 1: 36" of penetration then came out of the top. Shot 2: 40" of penetration then stopped at the top of the newspaper. Shot 3: 33" of penetration then came out of the side Shot 4: 40" of penetration then stopped in paper, seemed to be straight. Shot 5: 39" of penetration then came out of the top

The first 12" of penetration was very straight line. I matched the luan from the front of the box to the 2 by 6 positioned 12" behind the luan and the bullet path was straight. Only after traveling through the 1 5/8" of treated pine did the bullet path start to deviate. Please note the bullets entered the wood at a 90° angle. I placed the 2 by 6 to simulate bone.

After this test, five more tests were conducted firing one Woodleigh and then one North Fork. Penetration was measured and the media was changed prior to the next test. While there possibly could have been variations in density from test to test, both brands of bullets were fired in each lot of paper.

All of the North Fork bullets had straightline penetration the entire length of the box. One actually exited the 2 by 6 on the back of the test bed. The others were stuck in the 2 by 6 or the plywood I added at the rear of the box to make certain the bullet did not leave the box. The engraving looked good on the bullets. None were bent or otherwise damaged.

The Woodleigh bullets performed the same as the first five; straight penetration until reaching the 2 by 6. Average reasonably straight penetration was 20'' total. After that the bullet would start turning and exit the box out of the top or hit the side or stop sideways in the newsprint at an average of 41''.

If any variations in results were noted I would have continued testing. The results were very conclusive: In this media the North Fork Solids simply outperform the Woodleigh Solids in heads up testing. The next test will be the penetration of standard 470 Nitro velocities versus 1650-1700 fps velocity. Both Woodleigh and North Fork bullets will be tested.



Above is the test box with chronograph.



Above is typical damage to the test box caused by the Woodleigh bullets veering off line.



Typical position of Woodleigh bullet found in media.



The above picture is of the typical condition of North Fork bullet after firing.



The above picture is taken from outside of box. It is a North Fork bullet after traveling through 72" of test media.

	Ports:         2929	
RIP one of us	<ul> <li>posted 14 February 2010 02:06</li> <li>Fide</li> <li>Fide</li> <li>Field</li>     &lt;</ul>	nedia.
	Slower impacts as you suggest will be interesting.	3

I think I understand why I didn't get any feedback when I made this comment.

#### quote:

What I do is take the kinetic energy, in ft-lbs, on impact (I don't have to go through the calculation because most of us know it or can find it out) multiply by 12 and divide by the penetration depth in inches. The result is what I call the "resisting force." (It was actually someone else who called it that, but I forget who.)

I don't think this calculation is hyperanalyzing. Or I hope not. Because the resisting force tells us quite a bit IMO. It tells us if the bullet was damaged (if we know the strength of the bullet material), whether there was cavitation or trauma, the target torn all to hell, etc.

To this I might add heat (thermal energy) generated.

Some of y'all must think I'm crazy crazier than what I usually appear.

### 0

Now, I'm not arguing with the physics and I'm not arguing with any of you because you're right. But I can prove what I'm talking about.

Here is a physics problem that appears on this page that addresses a matter that's of interest to all of us: Bullet penetration.

http://mcasco.com/qa\_marf.html

#### quote:

Question: How do you find the magnitude of a resisting force if you have a rifle bullet with at mass of 12 grams traveling with a speed of 400 m/s strikes a large wooden block which it penetrates to a depth of 15 cm. What is the magnitude of the resisting force that acts on the bullet?

Need help!

Thank you;

Answer:

Here are some things we know. The change in velocity is 400 m/s. The change in momentum is 400\*0.012 kgm/s. The average resistance force is the change in momentum divided by the time required to stop the bullet. The distance covered under constant acceleration is 1/2 a\* t^2. The average acceleration is the change in velocity divided by the time.

Let's write a as 400/t. then 0.15=1/2(400/t)\*t^2 or 0.15=200t or t=0.15/200=7.5e-4 seconds. The resistance force then must be 400\*0.12/7.5e-4 N = 6400 N.

Of course, there's an error on the last line. 0.12 should read 0.012. Picky, picky.

But remember the result 6400 N.

Now what is the KE in metric units? It's easy to figure:  $400^2 \times .012 / 20 = 960$  joules.

But remember that joules is defined as

quote:

the energy exerted by the force of one newton acting to move an object through a distance of one metre

(I say meter, they say metre...)

http://en.wikipedia.org/wiki/Joule

So we know that the bullet penetrated 15 cm or 0.15 meter. So all you have to do is divide 960 by 0.15 and you get exactly 6400 Newtons!

In practical terms, all this means is that the shortcut to finding out the resisting force is to divide the kinetic energy on impact by the distance penetrated. In English units, to divide foot-pounds of KE by the distance penetrated in feet. That's the only thing I'm suggesting. What this means to me is that KE might indirectly indicate the extent to which a bullet is **retarded**.

Glenn

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

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I Bin Therbefor One of Us	posted 14 February 2010 06:47	<u>Hide Post</u>
	All this talk about Al bullets reminds me of:	
	"The A-Square Lion Load is at the opposite end of the spectrum from the Monolithic Solid. The Lion Lo sacrifices penetration in exchange for maximum destruction. The bullet is designed to turn itself insid like a self-forged munition and launch the core of the bullet as secondary fragments in a radial patte The Lion Load bullet creates maximum possible tissue destruction. However, it only penetrates betw and 24 inches. Consequently, it should be used only for those animals with a thin skin and lightweig structure, specifically predator animals.	e out rn. een 12
	The Lion Load is extremely useful for lion across the bait or in a charge, or other hunting situations w penetration can be traded off for maximum expansion."	here
	As I recall the use of this bullet design rapidly fell into disfavor as the field results showed a lot of ve superficial flesh wounds that stopped nothing! Instead there were very angry lions that required ver dangerous follow up.	
	Posts: 404   Registered: 08 May 2005	s.
<b>someoldguy</b> One of Us	posted 14 February 2010 13:12	<u>Hide Post</u>
	In defense of the lowly 9mm Parabellum, some loads have given some awesome performance in dee is an example of one with Hornady's 124-grain XTP at about 1250 fps (+P velocity, I know):	r. Here
	(Image taken from here:	
	http://www.hipowersandhandguns.com/HornadyXTP.htm )	
	Of course, I also know of some tremendous performance from big bore handguns in "lesser" configu like the .45 ACP and non +P loads of the .45 Colt. However, I don't have photos.	rations
	Glenn	
	Posts: 942   Location: Alabama   Registered: 16 July 2007	<b>3</b>
Gerard one of us	posted 14 February 2010 13:50	<u>Hide Post</u>
	Pontificus Erroneus - More lies to answer for. Posts: 2848   Registered: 12 August 2002	്ര
Warrior		
One of Us	Image: posted 14 February 2010 16:49         The permanent wound cavity is formed by the bullet crushing tissue during penetration. The bullet all	Hide Post
	pushes the surrounding tissue outwards from the bullet path and muscle tissue exhibits an oscillatin before it comes to a stop, and this stretch is called the temporary cavity. This behavior of muscle tiss due to its much stronger cohesion than the liver or brain tissue, which is incompressible. Muscle tiss is being pushed outwards will get bruised but will fully recover whereas as the liver won't. When a b strikes the liver at high velocity it will shred or blow the liver apart and it won't contact like muscle.	g wave ue is ue that
	I suspect that only the South African Rasputin is in disagreement with this.	
	Warrior	്ദ്
	Posts: 2273   Location: South of the Zambezi   Registered: 31 January 2007	<u>G</u> ,

416Tanzan One of Us	posted 14 February 2010 17:23	<u>Hide Post</u>
	I think I agree, but to bring us back to the real world, we need to admit that a high velocity shot thro the liver might lead to a long tracking job. Maybe its never happened to you, and you are blessed for its happened to me. I prefer to find 'bright blood' on an impact exit wound rather than darker, more p blood.	it, but
	+-+-+-+	
	"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	S.
Whitworth Moderator	posted 14 February 2010 18:31	<u>Hide Post</u>
A Star	quote:	
	Originally posted by 416Tanzan: I think I agree, but to bring us back to the real world, we need to admit that a high velocity shot through the liver might lead to a long tracking job. Maybe its never happened to you, and you are blessed for it, but its happened to me. I prefer to find 'bright blood' on an impact exit wound rather than darker, more purple blood.	
	I have to agree with this. My hunting experience has shown this to be true.	
	"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: <b>13440</b>   Location: <b>Virginia</b>   Registered: <b>10 July 2003</b>	er
VVarrior One of Us	posted 14 February 2010 20:43	<u>Hide Post</u>
	Hey Warrior,	
	quote: When a bullet strikes the liver at high velocity it will shred or blow the liver apart	
	What do you call high velocity?	
	VVarrior Posts: 127   Location: South of the Zambezi 2   Registered: 22 March 2008	്
	Posts. 127   Location. South of the Zambezi 2   Registered. 22 March 2006	
Gerard one of us	posted 15 February 2010 09:27	<u>Hide Post</u>
	Pontificus E - Take your garbage here. You have stuffed up this thread enough now.	<b>C</b> 99
	Posts: 2848   Registered: 12 August 2002	<b>3</b>
N E 450 No2 one of us	posted 15 February 2010 09:51	<u>Hide Post</u>
	Michael	
	I always keep a magazine or two of 45 ACP 230 ball close by as well	
	Have you tested any of the Hornady 185, 200, or 230gr XTP in 45 ACP, or any of the XTP bullets in 44 Mag???	
	DOUBLE RIFLE SHOOTERS SOCIETY	
	Posts: 16134   Location: Texas   Registered: 06 April 2002	්



THE OFFICE	posted 3	15 February	2010	14:56	
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NE450#2

No it's been a long time since I did any handgun bullets, and I don't even own a 44 any longer. About 20 yrs ago I decided I did not need to feed 44 and 45, so I dropped the 44s and went 100% 45 Colt. A few years ago I did a lot of 45 Colt work in both revolver and a Win M94. I did several tests with the 250 XTP and 300 XTP in 45 Colt. I found the 250 a very tough bullet, and the 300 just about perfect in the little rifle, will dig some of that out this week and look at it.

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

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Hide Post

Thanks for the numbers.

Jim...

What is interesting is the aluminum bullets exceed the energy of the conventional bullets.

The 6" barrel has 25% more energy.

Even with a pistol round the numbers either match or exceed so apples to apples the aluminum bullets can have an an energy advantage but penetration and wound channel has yet to be seen.

My guess is that the penetration will be about the same.

I think that the real advantage is with larger cases for revolver rounds and rifle rounds but it is good to see that there seems to be good even for the wonderful 45 ACP.

Have to do a wait and see until someone with a lathe wants to make some.

Energy aside I think a fat bullet going over 2,000 FPS out of your 1911 would be something fun to play with.

	Originally posted by capoward:								
	quote:								
	Originally posted by capoward:								
	quote: Originally posted by boom stick:								
	Capo Can you run Quickload for a 50 grain bullet out of a 45 ACP???								
	If a handgun can get a 50 grain bullet going 3,000 FPS that will be								
	1,000 FPE If it can get 2,500 that will be 700 FPE. That would almost double a standard 45 ACP load. A standard load delivers 230 @ 850 for 370 FPE								
	Boomy,								
	It'll take a few minutes to gin up the size shape of the bullet in QD then to run it in QLwill do and post shortly.								
	Ok bullet designed and multiple simulations in QL run, here's the results: 45 semi-auto handgun 45 ACP cartridge (SAAMI Pmax (MAP) = 21000 psi) ADI AP 70N Propellant								
	50gr .452 SST HP Aluminum Solid bullet: 4.0" barrel: 12.6grs = 2023fps & 454ft-lbs @ 20617 psi (F/LR: 105.0%, PB: 77.9%) 5.0" barrel: 12.6grs = 2172fps & 524ft-lbs @ 20617 psi (F/LR: 105.0%, PB: 81.7%) 6.0" barrel: 12.6grs = 2285fps & 580ft-lbs @ 20617 psi (F/LR: 105.0%, PB: 84.3%) 8.0" barrel: 12.6grs = 2449fps & 666ft-lbs @ 20617 psi (F/LR: 105.0%, PB: 87.7%)								
	<pre>10.0" barrel: 12.6grs = 2567fps &amp; 731ft-lbs @ 20617 psi (F/LR: 105.0%, PB: 89.8%) 230gr .452 Winchester RN FMJ bullet: 4.0" barrel: 6.1grs = 885fps &amp; 410ft-lbs @ 20423 psi (F/LR: 66.5%, PB: 99.81%) 5.0" barrel: 6.1grs = 943fps &amp; 454ft-lbs @ 20423 psi (F/LR: 66.5%, PB: 99.81%) 6.0" barrel: 6.1grs = 977fps &amp; 488ft-lbs @ 20423 psi (F/LR: 66.5%, PB: 99.81%) 8.0" barrel: 6.1grs = 1025fps &amp; 537ft-lbs @ 20423 psi (F/LR: 66.5%, PB: 99.81%) 10.0" barrel: 6.1grs = 1059fps &amp; 573ft-lbs @ 20423 psi (F/LR: 66.5%, PB: 99.81%)</pre>								
	That's about it.								
	577 BME 3"500 KILL ALL 358 GREMLIN 404-375								
	*we band of 45-70ers* (Founder) Single Shot Shooters Society S.S.S.S. (Founder)								
	Posts: 27558   Location: Where tech companies are trying to control you and brainwash you.   Registered: 29 April 2005	c"							
Whitworth Moderator	posted 16 February 2010 02:06	Hide Post							
	Energy shmenergy something calculated, not measured, and meaningless save for a cleaver may tool for ammo manufacturers. Not a good measure of a cartridge's effectiveness. Most of my rifles ha "out energy" my big handguns, but oddly enough, they don't kill any better								
	"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	<del>c</del> "							

someoldguy One of Us	posted 16 February 2010 03:40	<u>Hide Post</u>
	quote:	
	Most of my rifles handily "out energy" my big handguns, but oddly enough, they don't kill any	1
	better	_
	I think that's called efficiency. Requiring less energy to do the same thing, or better, than something	that
	has more energy. And quite a few big bore handguns have proven themselves worthy of being efficie from what I've seen.	
	Damn, I think I'll go trade all my 9mms for a good .45 now. 🕲	
	Glenn	
	Posts: 942   Location: Alabama   Registered: 16 July 2007	്
<b>boom stick</b> One of Us	posted 16 February 2010 03:40	<u>Hide Post</u>
	I agree more testing needs to be done	1
	577 BME 3"500 KILL ALL 358 GREMLIN 404-375	
	*we band of 45-70ers* (Founder) Single Shot Shooters Society S.S.S.S. (Founder)	
	Posts: 27558   Location: Where tech companies are trying to control you and brainwash	്
	you.   Registered: 29 April 2005	
<b>jeffeosso</b> Moderator	posted 16 February 2010 03:49	<u>Hide Post</u>
	got a box of hammerheads to say i am underwhelmed with appear woull be an OVER statement	
1	#dumptrump	
	opinions vary band of bubbas and STC hunting Club Information on Ammoguide about	
	the <u>416AR</u> , <u>458AR</u> , <u>470AR</u> , <u>500AR</u> What is an AR round? Case Drawings 416-458-470AR and 500AR.	
	476AR,       http://www.weaponsmith.com	
	Posts: 37020   Location: Conroe, TX   Registered: 01 June 2002	්
<b>boom stick</b> One of Us	posted 16 February 2010 04:22	<u>Hide Post</u>
	Let the testing begin!	
	Multiple velocities would be great to prove/disprove his theory of slower is better.	
	577 BME 3"500 KILL ALL 358 GREMLIN 404-375	
	*we band of 45-70ers* (Founder) Single Shot Shooters Society S.S.S.S. (Founder)	
	Posts: 27558   Location: Where tech companies are trying to control you and brainwash	്
	you.   Registered: 29 April 2005	
<b>jeffeosso</b> Moderator	posted 16 February 2010 04:27	<u>Hide Post</u>
S Caller	at the better part of \$100 a box, well don't harsh my gig!	
1	#dumptrump	
	opinions vary band of bubbas and STC hunting Club Information on Ammoguide about	
	What is an AR round? Case Drawings 416-458-470AR and 500AR.	
	476AR, http://www.weaponsmith.com	
	Posts: 37020   Location: Conroe, TX   Registered: 01 June 2002	്
<b>boom stick</b> One of Us	posted 16 February 2010 04:30	<u>Hide Post</u>
	How will you test them?	
A CONTRACTOR	577 BME 3"500 KILL ALL 358 GREMLIN 404-375	
	*we band of 45-70ers* (Founder) Single Shot Shooters Society S.S.S.S. (Founder)	
	Posts: 27558   Location: Where tech companies are trying to control you and brainwash you.   Registered: 29 April 2005	്

Whitworth Moderator	posted 16 February 2010 04:30	Hide Post						
	quote:							
1	Originally posted by boom stick:	]						
	Let the testing begin!							
	Multiple velocities would be great to prove/disprove his theory of slower is better.							
	Slower is often better with hardcast bullets because they cannot take a lot of velocity before the nos starts to deform and it hurts their penetration potential.	e						
	"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	<u> 3</u> "						
<b>jwp475</b> One of Us	posted 16 February 2010 05:12	<u>Hide Post</u>						
	Micheal458, I would like to submit an idea for a tesst on meplat percentage and shape. I contend that one takes a Barnes 458 500 grain and machines a meplat of 78% of bullet diameter in a truncated co with sharp not rounded edges, that this bullet would out penetrate th stock bullet by a considerable margin. The would prove or disprove the meplats influence on petration of flat point solid. The Barnes meplat and the modified meplat will be mad of the exact same material, the only difference woul be th meplat style and diameter. The modified bullet would wiegh a bit less but should still out penetrate th modified bullet.	ne s he						
	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	්						
boom stick One of Us	posted 16 February 2010 05:15	<u>Hide Post</u>						
	The rounded nose to meplat is to aid in feeding right?							
N.	577 BME 3"500 KILL ALL 358 GREMLIN 404-375							
	*we band of 45-70ers* (Founder) Single Shot Shooters Society S.S.S.S. (Founder)							
	Posts: 27558   Location: Where tech companies are trying to control you and brainwash you.   Registered: 29 April 2005	<b>S</b>						
jwp475 One of Us	posted 16 February 2010 05:23	Hide Post						
	quote:							
and the	Originally posted by boom stick:	1						
	I agree more testing needs to be done							
	More testing??? The Aluminum bullet can not make up for it's lack of mass simply by increasing FPE. A more testing will do is confirm that science has not changed. Physics is still correct inelastic collisions strikes) are about Mass, Momentum, Velocity, Energy figures are not very important other than as a mechanism to aquire the momentum 							
	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 noth had happened. - Winston Churchill	ing						
	Posts: 5077   Location: USA   Registered: 11 March 2005	്						

jwp475 One of Us	posted 16 February 2010 05:27	Hide Post		
	quote:			
	Originally posted by boom stick: The rounded nose to meplat is to aid in feeding right?			
	It's only purpose. In the 1800 the great British Engineer Whitworth concluded the supiriority of the fla point for penetration. Nothing new in the shooting world, it is only re-visited	t		
	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 nothi had happened. - Winston Churchill	ng		
	Posts: 5077   Location: USA   Registered: 11 March 2005	<del>c</del> "		
someoldguy One of Us	posted 16 February 2010 07:29	<u>Hide Post</u>		
	quote:			
E.	Multiple velocities would be great to prove/disprove his theory of slower is better.			
	IMO it's like this:			
	This isn't widely known, but Goldilocks' other claim to fame was as an earnest terminal ballistics student. Like Michael. Goldilocks had a high-dollar, custom-made, Mauser-action .458 Lott rifle that shot like a laser! (This is rumored to be why the Three Bears left her alone.) Some time later, her now good friends, the Three Bears, sent her three cartridges to test. Goldilocks first fired Papa Bear's cartridge into her test box. But after seeing the test results, she shook her head disapprovingly and said, "This one's velocity was toooo slow!"			
	Then she tried Mama Bear's cartridge. And again she was displeased. "This one's velocity is toooo fast!"			
	And finally it was time to shoot Baby Bear's cartridge. To her amazement, the cartridge gave stellar results! Smiling, she said, "And this one's velocity is juuuust right!"			
	 Glenn			
	Posts: 942   Location: Alabama   Registered: 16 July 2007	<del>c</del> "		
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	Re	ply 🥸 💊		

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	Newest Member	RedRaider4400			

