SPECIALIZED AMMUNITION FOR LAW ENFORCEMENT PROFESSIONALS

ORIGINAL BRENNEKE® USA

THE ULTIMATE PROJECTILES FOR URBAN ENVIRONMENTS

BRENNEKE AMMUNITION FOR LAW ENFORCEMENT AND MILITARY PROFESSIONALS

SINCE 1898, THE POWER TO STOP JUST ABOUT ANYTHING.

Nothing compares up close.

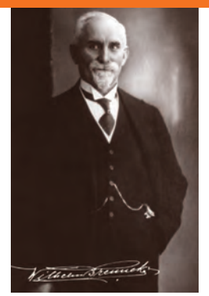
Stops any gunfight immediately.

The purpose of a law enforcement projectile is really very simple: to put an end to the problem at hand…quickly, efficiently, and safely. No other projectile performs this task as completely as a Brenneke® 12 gauge slug.

The distinctive Brenneke design, created over a century ago, combines a massive diameter of almost 3/4 of an inch, a frontal area of .42 inches, and mass of up to 525 grains, in a weight-forward configuration that delivers devastating and immediate energy transfer and stopping power to the target.

Even so, power without control is not adequate. That's why we offer several different sophisticated projectiles, from our Tactical Home Defense®, ideal for crowded urban environments where excess penetration is a dangerous liability, to our Special Forces Maximum Barrier Penetration Magnum™ with the ability to penetrate windshields, wheel rims, tires and even engines. And, all Brenneke slugs are renowned for their accuracy; five-shot groups of two to three inches at 50 yards are the norm.

For combat situations under 150 yards, where maximum stopping power is essential, the professional armed with a modern shotgun and a Brenneke slug is in very good hands, indeed.



The man who loved too much

Wilhelm Brenneke was a hunter. He loved the wild creatures he pursued, however, and could not stand to see game suffer when hit by the underpowered munitions of his day. So, in a small town in Germany in 1898, Wilhelm Brenneke invented the modern shotgun slug and revolutionized projectile design. It did not take long before law enforcement and military agencies also recognized the potential of his creation.

Today, the Brenneke company is managed by Wilhelm Brenneke's great-grandson, who maintains his ancestor's commitment to absolute performance and quality. The company's dedication to U.S. law enforcement professionals is evidenced by the creation of BrennekeUSA, and the loading of many Brenneke products in the United States. You can read more about Wilhelm Brenneke's many inventions at www.brennekeusa.com.

ORIGINAL BRENNEKE® USA

Left to right:
Brenneke® Tactical Home Defense® (THD)
Brenneke® Special Forces Short Magnum™ (SFM)
Brenneke® Classic Magnum™
Brenneke® Special Forces Maximum Barrier Penetration Magnum™ (MBPM)

Proven on the biggest, baddest targets.

Some of Brenneke's most dedicated customers include wildlife and police agencies in Alaska, who often encounter four-legged threats in addition to modern urban dangers. They know that nothing will stop an angry 700-pound bear at close range better than a 12 gauge shotgun and a Brenneke slug. You can read about Ian McMurchy's encounter at 10 paces on our website.

Both of these projectiles were fired at a Russian brown bear from less than 20 yards. At left is the remnant of a 16 gauge shotgun slug of inferior alloy; at right, a 7.62 mm FMJ rifle bullet. Both penetrated less than three inches beyond the great beast's skin. The slug hit the bear's shoulder and stopped cold; the 7.62 bullet was deflected sideways by a rib. Fortunately for all parties involved, the primary hunter was using a higher quality projectile. This demonstrates the inherent dangers of a projectile that does not penetrate adequately.

Not all slugs are created equal.

The design demands of a quality shotgun slug are entirely different from those of a pistol or rifle bullet. Many slug manufacturers proudly show photos of their completely flattened fired projectiles, touting their "expansion." This can be an effective principle in bullets, but is the exact opposite of what a slug should do.

Rapidly expanding slugs are a result of soft, inferior alloys. Penetration can be virtually nil, stopped or deflected by any hard object.

By comparison, Brenneke slugs expand very little. Their harder alloys and the uniquely shaped noses allow vastly superior penetration, a stable and consistent path after impact, almost complete retention of the projectile's integrity, and very little weight loss.

Independent tests of Brenneke projectiles against major competitors showed that some slugs penetrated ballistic gelatin a mere 11.2 inches…compared to as much as 42.5 inches for Brenneke.

Expansion is fine if your target is no more dangerous than a deer. Otherwise, rely upon a projectile that finishes the job—Brenneke.

Brenneke vs. other LE and military projectiles

No other commonly used projectile even comes close to the devastating stopping power produced by Brenneke® slugs. As the chart below reveals, even the revered .45 Auto produces less than 20% of the energy of Brenneke's Special Forces Short Magnum™ slug.

Frontal area/ballistic parameters of various projectiles

Caliber	Weight	Diameter	Frontal area	Velocity	Energy	Momentum
Brenneke MBP	**583 gr**	**0.732 in**	**0.420 sq in**	**1650 fps**	**3545 ft lb**	**4.2717 lb-sec**
Brenneke SFM	**525 gr**	**0.732 in**	**0.420 sq in**	**1418 fps**	**2343 ft lb**	**3.305 lb-sec**
Classic Mag	**490 gr**	**0.733 in**	**0.421 sq in**	**1434 fps**	**2338 ft lb**	**3.102 lb-sec**
Brenneke THD	**438 gr**	**0.733 in**	**0.420 sq in**	**1256 fps**	**1535 ft lb**	**2.422 lb-sec**
.45 Auto	230 gr	0.451 in	0.159 sq in	890 fps	405 ft lb	0.908 lb-sec
.40 S&W	180 gr	0.400 in	0.125 sq in	1000 fps	400 ft lb	0.799 lb-sec
9mm	124 gr	0.355 in	0.099 sq in	1180 fps	356 ft lb	0.649 lb-sec
.223 Rem	55 gr	0.224 in	0.039 sq in	3240 fps	1282 ft lb	0.791 lb-sec

800/753-9733 | www.brennekeusa.com | email info@brennekeusa.com

TACTICAL HOME DEFENSE®
12 GAUGE & 20 GAUGE
ONLY STOPS BAD GUYS.

low recoil for quick follow-up shots
reduced risk to bystanders
excellent accuracy from smoothbore or rifled barrels

Brenneke Tactical Home Defense® before and after 10% gelatin test.

extreme stopping power
with controlled penetration

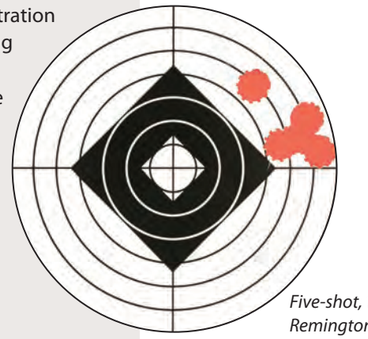
High-speed photo of Tactical Home Defense® in flight. The wad always remains attached.

Brenneke's® Tactical Home Defense® (THD) slug was created to answer the need of law enforcement and military organizations for a projectile with maximum stopping power in close-in urban situations, while at the same time lowering the risk of injury to bystanders.

The THD will penetrate doors, steel, and glass, and is devastating on soft targets. Deformation and weight loss is negligible, with virtually all of its energy—as much as four times greater than common handgun loads—immediately transferred to the target. Stopping power is instant and absolute.

High-speed photo of Tactical Home Defense® slug exiting 6" x 6" x 16" FBI-spec block of calibrated 10% gelatin.

The THD's high momentum factor allows penetration of both hard and soft barriers, while maintaining a higher average terminal velocity. This, along with its massive frontal area, means more tissue damage, hemorrhage and trauma. It will, quite simply, stop a gunfight immediately.



Five-shot, 1.98" group, 50 yards
Remington 870 smoothbore, 1.5-6x Sightron scope.

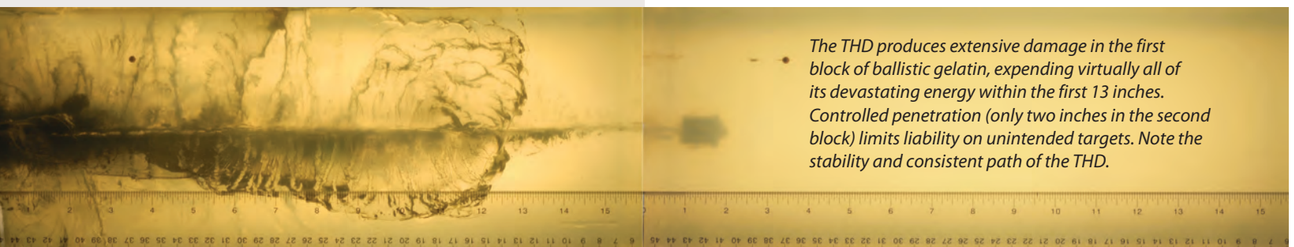
THD exiting 20 gauge steel

Brenneke® Tactical Home Defense™
SL-122THD

The THD is now available in 20 gauge (2 3/4", 3/4 oz.). Visit our website for more information. SL-202THD.

Frontal area/ballistic parameters of Tactical Home Defense® vs. other projectiles

Caliber	Weight	Diameter	Frontal area	Velocity	Energy	Momentum
Brenneke THD	**438 gr**	**0.733 in**	**0.420 sq in**	**1256 fps**	**1535 ft lb**	**2.422 lb-sec**
.45 Auto	230 gr	0.451 in	0.159 sq in	890 fps	405 ft lb	0.908 lb-sec
.40 S&W	180 gr	0.400 in	0.125 sq in	1000 fps	400 ft lb	0.799 lb-sec
9mm	124 gr	0.355 in	0.099 sq in	1180 fps	356 ft lb	0.649 lb-sec
.223 Rem	55 gr	0.224 in	0.039 sq in	3240 fps	1282 ft lb	0.791 lb-sec



The THD produces extensive damage in the first block of ballistic gelatin, expending virtually all of its devastating energy within the first 13 inches. Controlled penetration (only two inches in the second block) limits liability on unintended targets. Note the stability and consistent path of the THD.

At right: slugs before and after firing into gelatin
1. Brenneke Tactical Home Defense®
2. Brenneke Classic Magnum™
3. Brenneke K.O.™
4. Federal TRUBALL® Low Recoil®: Note excessive expansion.
5. Remington® Reduced Recoil: Note smaller frontal area compared with Brenneke Tactical Home Defense.
6. Hastings Laser Accurate Sabot™: Expanded to only .678", versus .888" for Brenneke THD.

Proven in the field and in the laboratory.

Brenneke's extensive independent ballistic tests concluded with the Tactical Home Defense® scoring at or near the top in accuracy, retained weight and energy compared to its competitors. This means the THD delivers on its promises. Competitive slugs often produced inconsistent results and excessive penetration, despite their "low recoil" labels.

The THD provides excellent expansion with minimal deformation. This, along with the inherent massive frontal area of all Brenneke slugs, is critical in providing effective penetration and quick energy transfer.

Now available in 20 gauge!

The Brenneke® Tactical Home Defense™ is now offered in 20 gauge/2 3/4" with a 3/4 oz. slug, producing 1,378 fps muzzle velocity and 1,854 ft. lbs. of energy. For more information visit our website (product code SL-202THD).

Please note: Data shown on these pages are derived from the 12 gauge Tactical Home Defense™.

BrennekeUSA Tactical Home Defense® ballistic test results

Gauge:	12
Shell length:	2 3/4"
Slug weight:	One ounce/438 grains
Barrel:	Smoothbore
Ballistic Coefficient: :	0.06

Chronographed muzzle velocity | 10 rounds, 10 feet from muzzle

Avg fps	High	Low	Mean	Ext sprd	Std deviation
1256.6	1285	1215	1256.6	70	22.244

Chronographed downrange velocity | average of three rounds @ 25, 50, 75, 100 yds

Muzzle	25 yd	50 yd	75 yd	100 yd
1256.6	1093.3	989.5	916.5	858.2

Muzzle energy | 10 rounds, 10 feet from muzzle, foot pounds

Muzzle	High	Low	Mean	Ext sprd	Std deviation
1535.4	1604	1435	1535.4	169	53.834

Trajectory | three rounds @ 25, 50, 75, 100 yds (125-200 yd calculated w/ballistic software)

0	25	50	75	100	125	150	175	200
-1.5	0.12	**0.0**	-2.37	-7.37	-15.3	-26.5	-41.5	-60.7

Downrange velocity | three rounds @ 25, 50, 75, 100 yds (125-200 yd w/ballistic software)

0	25	50	75	100	125	150	175	200
1256	1093	989	916	858	808	763	722	684

Downrange energy | based on downrange velocities, in foot pounds

0	25	50	75	100	125	150	175	200
1534	1161	952	817	716	635	567	507	455

Accuracy | five rounds fired at 50, 75 and 100 yards, five-shot group in inches

50	75	100	
1.98	3.16	3.84	conditions: cool, breezy

Weight & dimensions | before/after firing into calibrated 10% gelatin (wad attached)

Before firing:	**Diameter**	**Weight**		
	0.732 in	430.8 gr		
After firing:	**Diameter**	**Weight**	**Retained weight**	**Penetration**
	0.888 in	419.8 gr	97.44%	17.75 in

SPECIAL FORCES SHORT MAGNUM™ ● 12 GAUGE
POWER AND PENETRATION.

extreme stopping power and penetration
penetrates most car doors and building materials
excellent accuracy and function in smoothbore or rifled barrels

up to three times greater penetration
than competitive slugs

High-speed photo of Special Forces Short Magnum™ in flight. The wad always remains attached, reducing the possibility of collateral damage.

At right: slugs before and after firing into gelatin

1. Brenneke® Special Forces Short Magnum™

2. Hornady® SST®: Penetrated only 74.49% as deep as Brenneke SSM. Recovered weight 44.99% of SFM.

3. Lightfield Hybred® EXP: Grossly over-expanded, penetrated only 31.86% as deep as SFM.

4. Remington® Buckhammer®: Over-expanded, penetrated only 50.85% as deep as SFM.

5. Winchester® Partition Gold®: Penetrated 83.43% as deep as SFM.

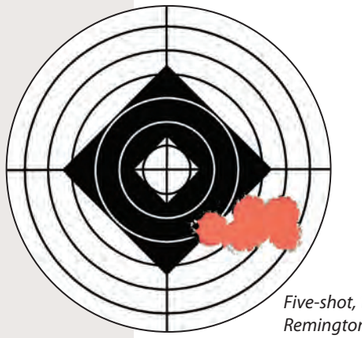
6. Wolf® Power™ Rifled Slug: Penetrated only 44.41% as deep as SFM.

Threats come in many forms these days, sometimes driving a vehicle, sometimes hiding behind a wall. Urban and CQB situations require a unique projectile—one of superb penetration and the ability to stop most threats at medium ranges. That's exactly what the Brenneke® Special Forces Short Magnum™ offers.

In independent testing, the SFM penetrated a full 34.9″ of FBI-spec ballistic gelatin. The nearest competitor could manage only 26″…others as little as 11.2″.

The SFM's massive frontal area, exceptionally hard alloys and distinctive Brenneke weight-forward design will penetrate many vehicles, doors and walls, putting an end to the threat right here, right now. Its special red coating reduces barrel fouling and cleaning, too, giving the good guys yet another break.

High-speed photo of BrennekeUSA SFM slug exiting 6″ x 6″ x 16″ FBI-spec block of calibrated 10% gelatin.



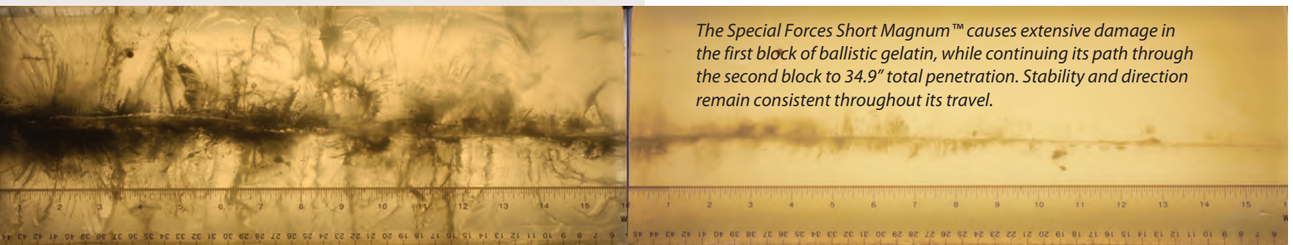
Five-shot, 1.65″ group, 50 yards
Remington 870 smoothbore, 1.5-6x Sightron scope.

SFM exiting 20 gauge steel

Brenneke® Special Forces Short Magnum™ SL-122SFM

Frontal area/ballistic parameters of Special Forces Short Magnum™ vs. other projectiles

Caliber	Weight	Diameter	Frontal area	Velocity	Energy	Momentum
Brenneke SFM	**525 gr**	**0.732 in**	**0.420 sq in**	**1418 fps**	**2343 ft lb**	**3.305 lb-sec**
.45 Auto	230 gr	0.451 in	0.159 sq in	890 fps	405 ft lb	0.908 lb-sec
.40 S&W	180 gr	0.400 in	0.125 sq in	1000 fps	400 ft lb	0.799 lb-sec
9mm	124 gr	0.355 in	0.099 sq in	1180 fps	356 ft lb	0.649 lb-sec
.223 Rem	55 gr	0.224 in	0.039 sq in	3240 fps	1282 ft lb	0.791 lb-sec



The Special Forces Short Magnum™ causes extensive damage in the first block of ballistic gelatin, while continuing its path through the second block to 34.9″ total penetration. Stability and direction remain consistent throughout its travel.

The most devastating slug on the market.

Independent ballistic tests compared Brenneke performance to that of ten leading competitors. The result? There was no comparison.

The Special Forces Short Magnum™ penetrated 34.9″ of ballistic gelatin, while the nearest competitor could manage only 26″…some as little as 11.2″. This is not hype; it is fact. It proves that when exceptional penetration combined with superb accuracy is essential, the SFSM is the only reliable choice.

Brenneke Special Forces Short Magnum before and after 10% gelatin test.

BrennekeUSA Special Forces Short Magnum™ ballistic test results

Gauge:	12
Shell length:	2 3/4″
Slug weight:	1 1/4 ounce/525 grains
Barrel:	Smoothbore
Ballistic coefficient:	0.095

Chronographed muzzle velocity | 10 rounds, 10 feet from muzzle

Avg fps	High	Low	Mean	Ext sprd	Std deviation
1418.8	1436	1386	1418.8	50	14.567

Chronographed downrange velocity | average of three rounds @ 25, 50, 75, 100 yds

Muzzle	25 yd	50 yd	75 yd	100 yd
1418.8	1276	1160	1073	1008

Muzzle energy | 10 rounds, 10 feet from muzzle, foot pounds

Muzzle	High	Low	Mean	Ext sprd	Std deviation
2346.3	2403	2239	2346.3	164	47.951

Trajectory | three rounds @ 25, 50, 75, 100 yds (125-200 yd calculated w/ballistic software)

0	25	50	75	100	125	150	175	200
-1.5	-0.1	**0.0**	-1.5	-5.0	-10.5	-18.4	-28.9	-42.2

Downrange velocity | three rounds @ 25, 50, 75, 100 yds (125-200 yd w/ballistic software)

0	25	50	75	100	125	150	175	200
1418	1276	1160	1073	1008	957	914	877	843

Downrange energy | based on downrange velocities, in foot pounds

0	25	50	75	100	125	150	175	200
2343	1898	1570	1343	1186	1068	974	896	828

Accuracy | five rounds fired at 50, 75 and 100 yards, five-shot group in inches

50	75	100	
1.65	2.88	3.72	conditions: cool, breezy

Weight & dimensions | before/after firing into calibrated 10% gelatin (wad attached)

Before firing:	**Diameter**	**Weight**		
	0.732 in	525.3 gr		
After firing:	**Diameter**	**Weight**	**Retained weight**	**Penetration**
	0760 in	462.5 gr	88.04%	34.9 in

CLASSIC MAGNUM™ ● 12 GAUGE

OVER 100 YEARS OF PERFECTION.

superb stopping power and penetration
high velocity, excellent downrange energy
excellent accuracy and function in smoothbore or rifled barrels

an ideal balance of stopping power, penetration and manageable recoil

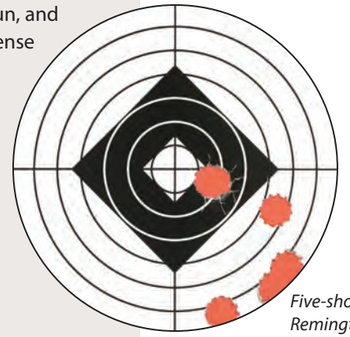
Brenneke's Classic Magnum™ is a direct descendant of the original slug invented by Wilhelm Brenneke in 1898, retaining many of the innovative features that revolutionized shooting over a century ago…features that virtually every slug manufacturer has imitated, but never improved.

The Classic Magnum™ is a superb all-purpose slug, providing excellent accuracy, deep penetration with the ability to disable post-barrier targets, flat trajectory, and remarkable power from the distinctive Brenneke weight-forward design and massive frontal area.

It will function smoothly in virtually any shotgun, and is applicable to a wide range of urban and defense applications. After all, we've been refining the Classic Magnum™ for well over 100 years.

Brenneke® Classic Magnum™ SL-122CLM

High-speed photo of BrennekeUSA Classic Magnum™ slug exiting 6" x 6" x 16" FBI-spec block of calibrated 10% gelatin.

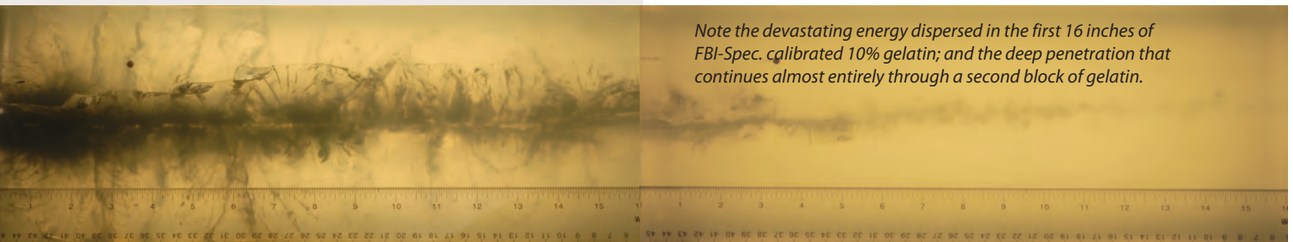


Five-shot, 2.78" group, 50 yards
Remington 870 smoothbore, 1.5-6x Sightron scope.

Classic Magnum™ exiting 20 gauge steel

Frontal area/ballistic parameters of Classic Magnum™ 12 gauge vs. other projectiles

Caliber	Weight	Diameter	Frontal area	Velocity	Energy	Momentum
Classic Mag	**490 gr**	**0.733 in**	**0.421 sq in**	**1434 fps**	**2338 ft lb**	**3.102 lb-sec**
.45 Auto	230 gr	0.451 in	0.159 sq in	890 fps	405 ft lb	0.908 lb-sec
.40 S&W	180 gr	0.400 in	0.125 sq in	1000 fps	400 ft lb	0.799 lb-sec
9mm	124 gr	0.355 in	0.099 sq in	1180 fps	356 ft lb	0.649 lb-sec
.223 Rem	55 gr	0.224 in	0.039 sq in	3240 fps	1282 ft lb	0.791 lb-sec



Note the devastating energy dispersed in the first 16 inches of FBI-Spec. calibrated 10% gelatin; and the deep penetration that continues almost entirely through a second block of gelatin.

High-speed photo of Classic Magnum™ in flight. The wad always remains attached, reducing the possibility of collateral damage.

At right: slugs before and after firing into gelatin

1. Brenneke Tactical Home Defense®

2. Brenneke Classic Magnum™

3. Brenneke K.O.™

4. Federal TRUBALL® Low Recoil®: Penetrated only 55.01% as deep as Brenneke SFSM and Classic Magnum

5. Remington® Reduced Recoil: Penetrated 80.57% as deep as SFSM and Classic Magnum

6. Hastings Laser Accurate Sabot™: Penetrated 94.89% as deep as SFSM and Classic Magnum, with smaller expanded frontal area.

A slug for almost any situation.

Brenneke® sponsored a number of independent ballistic tests, comparing Brenneke slugs—including the Classic—to a number of competitive products. The Classic Magnum™ ranked at or near the top in accuracy, flat trajectory, penetration and energy at all distances.

This makes the Classic Magnum™ an excellent choice for all-around use, applicable to both hard and soft targets at close-in and longer ranges. When you're not sure what to expect, the Classic Magnum™ is a trusted ally.

ORIGINAL BRENNEKE USA®

Brenneke Classic Magnum™ before and after 10% gelatin test.

BrennekeUSA Classic Magnum™ ballistic test results

Gauge:	12
Shell length:	2 3/4"
Slug weight:	1 1/8 ounce/490 grains
Barrel:	Smoothbore
Ballistic coefficient:	0.080

Chronographed muzzle velocity | 10 rounds, 10 feet from muzzle

Avg fps	High	Low	Mean	Ext sprd	Std deviation
1434.5	1461	1380	1434.5	81	20.682

Chronographed downrange velocity | average of three rounds @ 25, 50, 75, 100 yds

Muzzle	25 yd	50 yd	75 yd	100 yd
1434.5	1268	1137.6	1044.3	976.7

Muzzle energy | 10 rounds, 10 feet from muzzle, foot pounds

Muzzle	High	Low	Mean	Ext sprd	Std deviation
2238.7	2332	2071	2238.7	251	63.944

Trajectory | three rounds @ 25, 50, 75, 100 yds (125-200 yd calculated w/ballistic software)

0	25	50	75	100	125	150	175	200
-1.5	-0.12	**0.0**	-1.62	-5.25	-11.1	-19.5	-30.8	-45.1

Downrange velocity | three rounds @ 25, 50, 75, 100 yds (125-200 yd w/ballistic software)

0	25	50	75	100	125	150	175	200
1434	1268	1137	1044	976	923	878	838	803

Downrange energy | based on downrange velocities, in foot pounds

0	25	50	75	100	125	150	175	200
2238	1749	1407	1186	1037	927	839	765	701

Accuracy | five rounds fired at 50, 75 and 100 yards, five-shot group in inches

50	75	100	
2.78	3.91	4.67	conditions: windy, December weather

Weight & dimensions | before/after firing into calibrated 10% gelatin (wad attached)

Before firing:	**Diameter**	**Weight**		
	0.733 in	485 gr		
After firing:	**Diameter**	**Weight**	**Retained weight**	**Penetration**
	0.776 in	421 gr	86.80%	35.3 in

SPECIAL FORCES MAXIMUM BARRIER PENETRATION MAGNUM™ ● 12 GAUGE

UNPRECEDENTED PENETRATION.

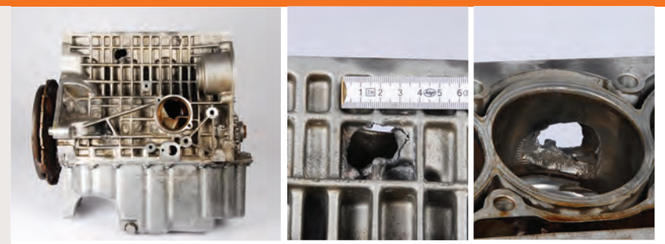
developed to police and military specifications
extra-hard alloy produces devastating penetration and power
the ultimate cartridge for modern urban threats

the deepest penetration of
any slug on the market

The Brenneke Special Forces Maximum Barrier Penetration™ (MBPM) was developed at the request of the military and law enforcement communities for highly demanding applications requiring maximum penetration of vehicles and other barriers, even beyond that of our Special Forces Short Magnum.

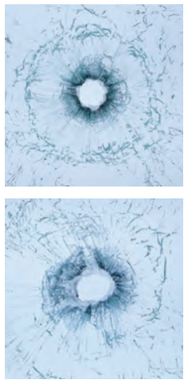
Our extra-hard alloy allows the MBPM to penetrate standard windshields, wheel rims, tires and even engines, proven in extensive testing. Even with this devastating power, the MBPM exhibits exceptional weight retention and surprisingly low deformation. It will outperform virtually any standard rifle cartridge at close ranges. Quite simply, it is the ultimate projectile for demanding urban environments.

Note: The Special Forces Maximum Barrier Penetration Magnum™ is designed for professional use and specific applications and should not be used as an "everyday" slug.



The MBPM completely penetrated the engine block shown above, left. The center photo shows exterior penetration; the photo at right shows penetration of one of the cylinders.

Five-shot, 1.67 inch group, 50 yards Remington 870 smoothbore

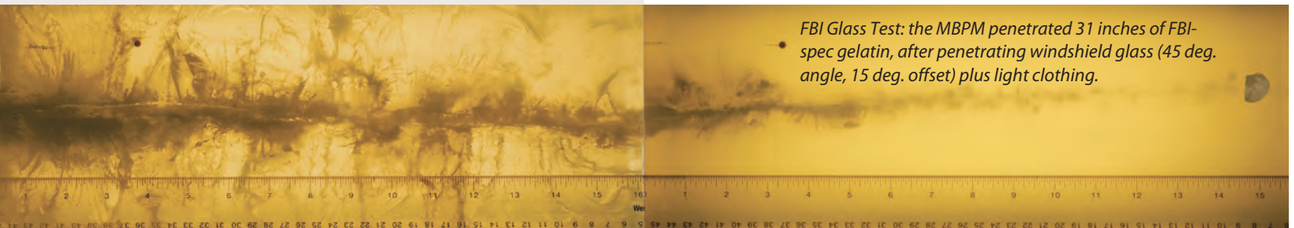


Full penetration of FBI glass at 90 degrees (top) and 45 degree angle/15 degree offset (bottom)

Brenneke® Special Forces Maximum Barrier Penetration Magnum™ SL-122MBPM

Frontal area/ballistic parameters of MBPM vs. other projectiles

Caliber	Weight	Diameter	Frontal area	Velocity	Energy	Momentum
BrennekeMBPM	**583 gr**	**0.732 in**	**0.420 sq in**	**1650 fps**	**3545 ft lb**	**4.2717 lb-sec**
.45 Auto	230 gr	0.451 in	0.159 sq in	890 fps	405 ft lb	0.908 lb-sec
.40 S&W	180 gr	0.400 in	0.125 sq in	1000 fps	400 ft lb	0.799 lb-sec
9mm	124 gr	0.355 in	0.099 sq in	1180 fps	356 ft lb	0.649 lb-sec
.223 Rem	55 gr	0.224 in	0.039 sq in	3240 fps	1282 ft lb	0.791 lb-sec



FBI Glass Test: the MBPM penetrated 31 inches of FBI-spec gelatin, after penetrating windshield glass (45 deg. angle, 15 deg. offset) plus light clothing.

Standard German Police penetration test, 1mm ST4 metal plates with 20mm gaps. The MBPM penetrates 15 plates. A 9x9 FMJ bullet, only four.

Frontal shot on Dunlop 205/45 R17 Run Flat tire with aluminum rim. The MBPM penetrated tire and rim on both sides.

Body armor testing
A major U.S. Law Enforcement Agency conducted extensive testing of the Brenneke MBPM on Level IIIA body armor. Results are shown below.

Test 1: 8 yards

Body armor
Second Chance SC229, Level IIIA

Firearm
Benelli M-4

Penetration
Complete plus 3" into ballistic clay

Expansion
1.08 inches

Retained weight
489.4 gr | 83.80%

Below left: Threat Level IIIA body armor panel after complete penetration at 8 yards. Below right: Recovered MBPM slug and wad.

Test 2: 21 yards

Body armor
Second Chance SC229, Level IIIA

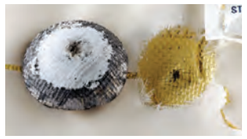
Firearm
Benelli M-4

Penetration
14 plies with 3" back face deformation

Expansion
.992 inches

Retained weight
520.0 gr | 89.04%

Below left: At 21 yards, MBPM penetrated 14 plies and remained intact. Below right: Competitor's 1 oz. Foster slug produced zero penetration.



ORIGINAL BRENNEKE® USA

Ballistic data (100 yard sight-in)

Yards	Velocity	Energy	Trajectory
0	1650 fps	3545 ft lbs	–2.0 inches
25	1416	2612	+0.5
50	1227	1959	+1.9
75	1090	1546	+1.9
100	998	1298	0.0

Other BrennekeUSA MBPM penetration test results

Gauge:	12
Shell length:	2 3/4"
Slug weight:	1 3/8 ounce/583 grains
Barrel:	Smoothbore
Ballistic Coefficient:	0.068

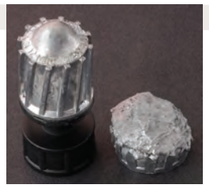
All tests conducted using FBI-spec gelatin in combination with other barriers.

Gelatin only

Penetration
42.5 inches
Expansion
.824 inches
Retained weight
561.4 gr | 96.29%

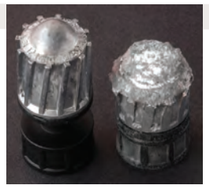
FBI glass

Penetration
31.25 inches
Expansion
.843 inches
Retained weight
483.9 gr | 83%



90 degree glass

Penetration
38.25 inches
Expansion
.867 inches
Retained weight
550.4 gr | 94.40%



Threat Level II Kevlar

Penetration
37.5 inches
Expansion
.867 inches
Retained weight
550.4 gr | 96.31%

How can we help?

BrennekeUSA works closely with law enforcement agencies throughout the United States. Please contact us for professional pricing and advice on which Brenneke product can best serve your needs. You can also obtain more detailed information on our website at www.brennekeusa.com.

Proper storage of shotgun slugs

Brenneke shotgun slugs should be stored in a cool, dry place. If slugs become excessively wet, they should be replaced.

Velocities and test results

Ballistic charts shown in this catalog reflect data from tests conducted by an independent testing source. The ammunition was purposely tested under extreme conditions (very cold temperatures, short-barreled shotguns) to demonstrate the minimum performance you can expect. Other tests conducted by Brenneke at standard ambient temperature using typical hunting weapons provided significantly higher muzzle velocities, flatter trajectories and higher energy levels. BC calculations should be considered approximate.

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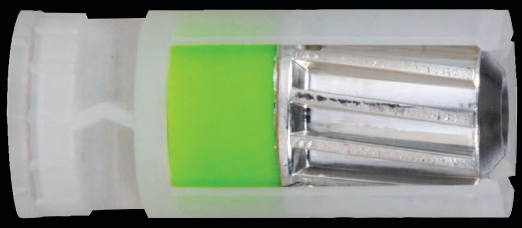
Brenneke also offers an extensive line of slugs and sabots for the hunter. If you would like to receive a catalog, please contact us.

NEW! LEAD-FREE. NON-TOXIC. INCREDIBLY POWERFUL.



TKO™ TIN KNOCKOUT • 12 GAUGE

Our revolutionary new TKO™ (Tin KnockOut) shotgun sabot is the world's first lead-free slug designed for use in both smoothbore and rifled barrels, using any choke.

After years of painstaking R&D, we've created a 12 gauge projectile made of tin—yes, tin—that provides outstanding penetration, stopping power, accuracy, velocity and energy (2607 ft. lbs at 2001 fps), yet is completely safe for you and other living creatures.

Unless you're a bad guy.

SL-122TKO • 12 ga • 2 3/4" • 2/3 oz. slug

We are often asked what function the ribs perform on the unique Brenneke design. When a Brenneke® slug passes through the three restricted areas of a shotgun barrel (forcing cone, bore and choke), the ribs are compressed, allowing the slug to maintain its original cylindrical shape for better stabilization and accuracy. They do not impart spin to the slug. This is one reason Brenneke slugs for law enforcement use produce equally impressive results from a smooth or rifled barrel, regardless of choke.