

\$6

# GEMTECH

Sound Suppressor  
Product Offering  
FY-2001



P.O. Box 3538  
Boise, ID 83703  
USA

CAT-C8 Issued July 2000

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**"It is unwise to pay too much ... but it is worse to pay too little. When you pay too much, you lose a little money ... that is all. When you pay too little, you sometimes lose everything, because the thing you bought was incapable of doing the thing it was bought to do.**

**"The common law of business balance prohibits paying a little and getting a lot. It can't be done. If you deal with the lowest bidder, it is well to add something for the risk you run. And if you do that, you will have enough to pay for something better."**

John Ruskin



**M4-96D**

**Flash & Sound Suppressor  
(See P. 18)<sup>8</sup>**

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# PRODUCT OFFERING

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## GEMTECH

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<http://www.gem-tech.com>

# GEMTECH

## *Division of Gemini Technologies, Inc.*

Gemtech began operations in 1993 through the merger of Automatic Weapons Company (Boise, Idaho) and GSL Technology, Inc. (Jackson, Michigan). The focus of the company is to expand upon and produce the firearm sound suppressor lines developed by the antecedent companies.

Automatic Weapons Company, a division of Antares Technologies, Inc., was founded in 1976 in Albuquerque, New Mexico by Philip H. Dater, MD, as a designer and producer of firearms sound suppressors. By 1983, the company had grown beyond the founder's manufacturing capability. At that time, designs and manufacturing were licensed to what became AWC Systems Technology. Automatic Weapons Company continued performing research and development in sound suppressor design. In 1991, Dr. Dater relocated the company to Boise, Idaho and retired from the practice of medicine to devote full energy to the production of innovative, high efficiency, user friendly sound suppressors for both civilian and law enforcement sales. Automatic Weapons Company and AWC Systems Technology are unrelated entities.

GSL Technology, Inc. was founded in Jackson, Michigan in 1983 by Gregory S. Latka to produce firearm silencer designs based on a 29 year history manufacturing in the manufacturing industry. The company has extensive CNC manufacturing experience, including with exotic materials. The company brings to Gemtech both innovation and varied CNC production capabilities. The facility meets requirements for MIL-I-45208-A.

### **GENERAL INFORMATION**

A sound suppressor is designed to be most effective with a specific firearm and cartridge combination by reducing the muzzle blast, which is the most significant portion of the noise. Muzzle blast is caused by high pressure gases in the bore suddenly escaping into the atmosphere as the bullet exits. Reduction of the pressure results in decreased noise. Pressure is reduced by increasing the volume for gas expansion, reducing the gas temperature (cooling), delaying gas exit through trapping and turbulence, and by a combination of these technologies. How well a given suppressor achieves these goals on a given weapon depends on how efficiently these objectives are achieved.

There are two basic types of firearm sound suppressors. The most common and oldest historically is the muzzle suppressor which attaches to the muzzle of a firearm, either by threads or a coupling device. The other type found today is the integral suppressor, which is built around the barrel of a firearm and incorporates characteristics of both the muzzle and barrel sup-

pressor. When using an integral suppressor, the barrel is modified for velocity control, usually for marginally supersonic ammunition (such as with submachine guns and rimfire weapons).

With today's technology and the availability of reliable commercial subsonic ammunition in both 9mm and .22 rimfire, the efficiency of a muzzle suppressor is comparable to that of an integral suppressor. The primary advantage of a muzzle suppressor is that it may be moved from weapon to weapon and does not require dedicating a firearm to the suppressor. Furthermore, there is no reduction in kinetic energy of the projectile through velocity control as is the case with integral suppressors. Gemtech builds both muzzle and integral suppressors.

### **SOUND MEASUREMENTS**

All sound level data gathered by our firm is accomplished by using the Larson-Davis Laboratories Model 800-B sound level meter with the LDL Model 2530 1/4" pressure microphone. Unlike the B&K 2209 meter made obsolete by B&K in 1982, the LDL sound meter is current production and meets all the specified requirements of MIL-STD-1474C. Our sound measuring equipment and calibrator is returned to the manufacturer at regular intervals for re-calibration and certification traceable to the National Institute of Standards and Technology. Test conditions used are those specified in sections of MIL-STD-1474C applicable to small arms. It is important to remember that test results will vary slightly from day to day with variations in atmospheric conditions. A full report of the sound measurement on any specific suppressor is available on request.

### **OSHA REQUIREMENTS**

The federal Occupational Safety and Health Administration (OSHA) requires that industrial noise exposure be limited to less than the equivalent of a continuous workplace sound exposure of 85 deciBels without supplemental hearing protection. This annual sound exposure level is referred to as  $L_{eq}(85)$ . Non-suppressed firearms sound will exceed the allowable annual exposure in as little as 7 rounds. All Gemtech suppressors reduce sound levels to below or at OSHA requirements for use without hearing protection.

### **MAINTENANCE OF SOUND SUPPRESSORS**

Sound suppressors require only minimal maintenance, and excessive cleaning is not encouraged. Those suppressors that are sealed are designed for maintenance and cleaning by occasional immersion in suitable solvents. Suppressors that will not drain completely are designed for partial disassembly for maintenance. All suppressors manufactured by Gemtech come with detailed instructions for operation and maintenance, a practice pioneered by the original Automatic Weapons Company.



**NEW and IMPROVED for 2000**

## VORTEX-2

The Vortex-2™ is a highly advanced .22 rimfire caliber suppressor designed to be attached to the muzzle of .22 caliber weapon. Built from space age alloys, no packing material or wipes are used in this unit. Designed to meet requirements for a compact, effective muzzle suppressor without the need for fluids or grease, this unit is radically different from conventional silencer designs. The suppressor creates an extremely efficient aerodynamic flow of gases coupled with high internal turbulence to cool gases and impede their exit. The Vortex-2™ is engineered so that there is no need to disassemble for maintenance.

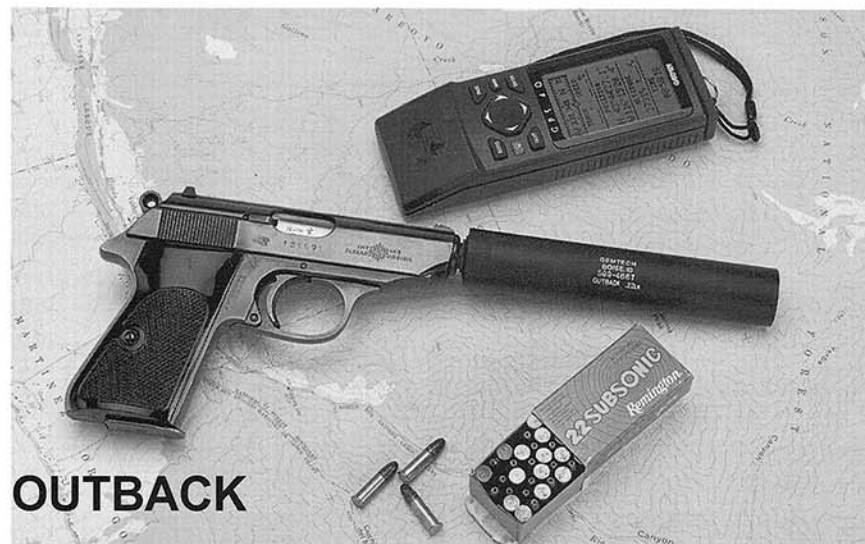
This unit interfaces well with virtually any .22 rimfire weapon, including Ruger, Walther, and Beretta pistols as well as a wide variety of .22 rimfire rifles. Since mounting to the firearm is accomplished by attachment to muzzle threads, the suppressor can be quickly removed, returning the firearm to its original appearance and use in non-suppressed shooting requirements.

In spite of its small size, the Vortex-2™ is an exceptionally effective unit which outperforms many designs significantly larger. The Vortex-2™ will achieve its rated sound reduction specification when completely dry. At a slight surcharge, the Vortex-2 can be provided in alloy steel with a black oxide finish.

### PHYSICAL SPECIFICATIONS

Caliber	.22 S, L, LR
Length*	5.1 inch (130 mm)
Diameter	.96 inch (25 mm)
Weight	7 ounce (200 gm)
Mounting Threads	1/2x28 (standard) or 3/8x24
Degree of Suppression*	In excess of 39 dB (dry)
List Price	\$550

\*NOTE: Some variants of the Vortex series .22 caliber muzzle suppressors may be slightly longer because of slight variations in the weapon mounting system. Stated efficiency (dB sound reduction) was measured on a Walther PPK/s. Efficiency will vary slightly with different weapons.



## OUTBACK

Based on experience gained with the highly successful Vortex-2™, the OUTBACK™ is a highly advanced .22 rimfire caliber suppressor designed to be attached to the muzzle of .22 caliber weapon. Built from aircraft grade aluminum alloys, no packing material or wipes are used in this unit. Designed to meet requirements for a compact, efficient, cost effective muzzle suppressor without the need for fluids or grease, this unit is radically different from conventional silencer designs. The suppressor creates an extremely efficient aerodynamic flow of gases coupled with high internal turbulence to cool gases and impede their exit. The OUTBACK™ is engineered so that there is no need to disassemble for maintenance.

This unit interfaces well with virtually any .22 rimfire weapon which can have the barrel threaded 1/2x28; it is usable on pistols as well as a wide variety of .22 rimfire rifles. Since mounting to the firearm is accomplished by attachment to muzzle threads, the suppressor can be quickly removed, returning the firearm to its original appearance and use in non-suppressed shooting requirements. Thread adapters to 3/8x24 are available.

In spite of its small size, the OUTBACK™ is an exceptionally effective unit which outperforms many designs significantly larger. The OUTBACK™ will achieve its rated sound reduction specification when completely dry.

### PHYSICAL SPECIFICATIONS

Caliber	.22 S, L, LR
Length	5.1 inch (130 mm)
Diameter	.96 inch (25 mm)
Weight	3 ounce (85 gm)
Mounting Threads	1/2x28
Degree of Suppression*	In excess of 33 dB
List Price	\$350



## QUANTUM (Rifle)

The Quantum™ rifle suppressor uses advanced design concepts to produce a compact, inconspicuous, highly accurate .22 rimfire weapon. Integrated to the barrel of the Ruger 10/22 semi-automatic or Ruger 77/22 bolt action rifle, the small diameter of the suppressed barrel has the appearance of a heavy target barrel.

Special barrel modifications permit the use of either standard or high velocity ammunition. Although bullet velocities are held to a subsonic speed, adequate terminal ballistics are maintained. Sound levels are equal to any comparable unit on the market.

The standard Quantum™ rifle suppressed barrel assembly is the same overall length as the original barrel. Because of the need to use a shortened barrel, the unit is sealed. On special order a longer suppressor can be built which can be partially disassembled.

Also available is a variant of the Quantum™ rifle suppressor built integral to the take-down stainless Marlin Papoose .22LR rifle barrel. Maintaining the original Papoose barrel length, the suppressed barrel features a 7/8 inch diameter tube for a pleasing, compact package, ideal for backpacking. Optical sights will be necessary. We can build the unit on the customer's barrel or supply an accessory suppressed barrel.

Prices are for the silencer and necessary modifications to the underlying weapon and do not include the basic weapon. All suppressors mounted on rifles necessitate the use of optical sights. Although usually polished to match the base weapon, on special order the units can be bead blasted for an optically flat surface.

On special order (and at a slight additional cost), the Quantum series suppressor can be built utilizing alloy steel which is finished with a black oxide finish ("blued").

### PHYSICAL SPECIFICATIONS

Caliber	.22LR
Suppressed barrel length	Same as original barrel
Diameter	1 inch (7/8 inch on the Papoose)
Absolute Suppressed S.P.L.	116 dB(A)
List Price	\$595 (customer supplied weapon)
On Gemtech Papoose Barrel	\$650
Blueing surcharge	\$35 (for blued weapons)

Although there is no excise tax on suppressors, BATF has ruled that improvements to firearms are excise taxable events when these improvements are sold with the firearm. As a result, Gemtech does not supply the underlying weapon.



## QUANTUM (MK-II)

The Quantum™ .22LR pistol suppressor is built integral to the reliable stainless steel Ruger MK-2 (and 22/45) pistols to create a target-grade suppressed weapon system. Constructed primarily of corrosion resistant stainless steel, this unit does not utilize packing material, wipe assemblies, or artificial environment (oil or grease).

The standard finish is polished and brushed, matching the original Ruger finish. On special order, the unit can be fine sandblasted for an optically flat, non-reflective surface.

Special barrel modifications permit the use of either standard or high velocity ammunition. Although bullet velocities are held to a subsonic speed, Gemtech's integrally suppressed rimfire weapons are carefully engineered to provide maximum terminal ballistics and accuracy potential utilizing all available types of .22LR ammunition.

Extra cost options are: (1) Target grade trigger, hammer, and sear modifications for the integral Ruger pistol, (2) IWI Bar-Dot tritium night sights, and (3) Crimson Trace Laser Grips (MK2 only). For a slight blueing surcharge, the Quantum suppressor can be built on a blued rather than stainless weapon.

The suppressors are priced built on customer supplied weapons.

### PHYSICAL SPECIFICATIONS

Caliber	.22LR
Length (forward of receiver)	7.1 inch (130 mm)
Diameter	.96 inch (25 mm)
Degree of Suppression	39 dB
List Price	\$595
Trigger modification	\$125
IWI Tritium night sights	\$125 installed
Crimson Trace Laser Grips	\$325 (MK2 only)
Blueing surcharge	\$35 (for blued weapons)



## LDES

Designed for operational situations requiring a compact, easily concealed, high efficiency suppressor, this suppressor attaches to virtually all .22 rimfire rifles and pistols, including the Beretta and Walther. Because attachment to the firearm is by means of muzzle threads, the suppressor can be easily removed, restoring the weapon to its original non-suppressed configuration.

The exceptional efficiency to size ratio in the LDES suppressor is achieved through a combination of radical baffle design and the use of suitable artificial environment technology. No mesh, packing material, or "wipes" are used, and all maintenance can be easily performed by the user.

### PHYSICAL SPECIFICATIONS

Caliber	.22 S, L, or LR
Length	3.1 inch (80 mm)
Weight	3.4 ounce (99 gm)
Diameter	.96 inch (25 mm)
Degree of Suppression*	36 dB (using water)
List Price	\$450

\*NOTE: Degree of suppression varies slightly with firearm, ammunition used (subsonic, high velocity) and artificial environment medium used. Specified reduction was measured on a Walther TPH, using standard velocity ammunition, and FML-2 (white food machinery lubricant) grease. A water based artificial environment medium will produce superior results but required more frequent replenishment.



## GSL 7/8 SLIMLINE

We are proud to assume production of the 7/8 inch diameter Slimline suppressor designed by GSL Technology, Inc. With a diameter of only 7/8 inch, there is an optimum length/diameter ratio, permitting the user to utilize the existing factory sights on virtually all .22 rimfire firearms.

Totally redesigned, the exceptional efficiency of a unit this small is achieved through the use of advanced aerodynamic baffle design without resorting to the use of mesh packing, wipes, greases, oils, or other fluids.

Constructed of aircraft grade aluminum alloys, the suppressor adds no perceptible weight to the firearm. The standard finish is a matte hard black anodize. Although normally offered threaded for 1/2x28 threaded barrels, other specialized threads can be provided on special order.

The unit can be easily maintained by the user without the use of specialized tools.

### PHYSICAL SPECIFICATIONS

Caliber	.22 S, L, or LR
Length	5.3 inch (132 mm)
Weight	2.2 ounce (63 gm)
Diameter	7/8 inch (20 mm)
Degree of Suppression*	33+ dB
List Price	\$425

\*NOTE: Suppression measured completely dry on a Walther TPH using Remington SUB22HP .22LR ammunition.



## VORTEX-9®

Designed specifically for reliable operation on the US Pistol M9, the Vortex-9® is the most compact and lightweight dry sound suppressor available for the 9mm semi-auto pistol. It is designed to achieve full suppression potential absolutely dry without resorting to the use of performance boosters such as oil, water, grease, or other artificial environment technologies. A small amount of water will further enhance performance ( to over 40 dB reduction).

Constructed of aircraft grade aluminum alloys, this unit does not utilize any bore obstructing "wipes" or mesh. The advanced baffle design creates remarkable performance absolutely dry. This device is an exceptionally effective tool for tactical users. A small amount of water is suggested for use in explosive atmospheres. All maintenance requirements can be performed without disassembly.

### PHYSICAL SPECIFICATIONS

Caliber	9mm (only)
O.A. Length (thread mounting)	7.3 inch (185 mm)
Diameter	1.25 inch (31 mm)
Weight	6 ounces (170 gm)
Degree of Suppression*	31+ dB
Construction Materials	Aluminum
Standard Finish	Matte Black Anodize
List Price	\$595

\*NOTE: The Vortex-9 will obtain approximately 41 dB reduction for 2 magazines with 1/2 teaspoon (2.5 cc) water inserted in the rear)



## SOS (9mm)

The SOS is the most compact and lightweight sound suppressor available for the 9mm semi-auto pistol. Because of its diminutive size and weight, it is suitable for use with Browning design pistols (such as the Glock, SIG, etc.) without resorting to cantankerous recoil enhancing accessories.

Constructed of aircraft grade aluminum alloys, this unit does not utilize any bore obstructing "wipes" or mesh. The advanced vortex generating baffle design creates outstanding performance. With complete suppression of the muzzle flash signature, this device is an exceptionally effective tool for tactical users. As with all diminutive centerfire pistol suppressors, artificial environment technology is utilized to achieve extreme performance. All maintenance requirements can be performed without disassembly.

### PHYSICAL SPECIFICATIONS

Caliber	9mm
O.A. Length (thread mounting)	5 inch (127 mm)
Diameter	1.25 inch (31 mm)
Weight	3.6 ounces (100 gm)
Degree of Suppression	28 dB
Construction Materials	Aluminum
Standard Finish	Matte Black Anodize
List Price	\$545



## AURORA

The AURORA is the most compact 9mm pistol suppressor available anywhere. Engineered for close range operational scenarios requiring stealth and specific emergency and survival situations, the suppressor was designed specifically for use with the compact Glock model 26, although it is fully compatible with the M9 pistol.

Mission requirements dictated utmost compactness, high efficiency per unit volume, a reduction in sound levels of at least 20 decibels and an operational usefulness exceeding one magazine without service or maintenance. The design goal is surpassed through the use of a combination of technologies resulting in the most diminutive sound suppressor available for the 9mm semi-auto pistol. Because of its size and weight, it is suitable for mounting on barrel threads of Browning design pistols (such as the Glock, SIG, etc.) without resorting to cantankerous recoil enhancing accessories.

Constructed of aircraft grade black anodized aluminum, this unit utilizes specially designed urethane "wipes" and artificial environment technology to achieve extreme performance. All maintenance requirements can be performed easily with minimal tools. Because of the use of "wipes" and the restrictions imposed on shipment of silencer parts, the AURORA is intended for governmental users.

### PHYSICAL SPECIFICATIONS

Caliber	9mm
O.A. Length (thread mounting)	3.1 inch (79 mm)
Diameter	1.125 inch (29 mm)
Weight	2.7 ounces (78 gm)
Degree of Suppression	In excess of 24 dB
Barrel Threads	1/2x28, 3/8 inch long

**SALES LIMITED TO MILITARY AGENCIES**



## SOS-45 and SOS-40

Designed specifically for the Heckler & Koch MK-23 (SOCOM) pistol chambered for the powerful .45ACP cartridge, the SOS-45 suppressor is an ideal mate for the Colt M1911 handgun and other similar weapons. Because of its exceptional efficiency to weight ratio, it will permit operation of the weapon without resorting to cantankerous recoil enhancing accessories.

The SOS-40 is similarly designed for use with automatic pistols chambered for the powerful .40S&W cartridge.

Constructed of aircraft grade aluminum alloys, this unit does not utilize any bore obstructing "wipes" or mesh. The advanced vortex generating baffle design creates outstanding performance. With complete suppression of the muzzle flash signature, this device is an exceptionally effective tool for tactical users. As with all diminutive centerfire pistol suppressors, artificial environment technology is utilized to achieve extreme performance. All maintenance requirements can be performed without disassembly.

The SOS-40 is available threaded 9/16x24, which is compatible with most .40 caliber extended barrels.

The SOS-45 is available threaded for the HK MK-23 pistol (M16x1), HK USP Tactical (M16x1-LH), or the Colt pistol (0.578x28). Quick disconnect mounting is not available at the time of printing of this catalog.

With the exception of the HK MK-23 and USP Tactical, the user will be responsible for providing an extended barrel suitable for threading.

### PHYSICAL SPECIFICATIONS

Caliber (model specific)	.45ACP or .40S&W
O.A. Length (thread mounting)	7.1 inch (181 mm)
Diameter	1.25 inch (31 mm)
Weight	7.0 ounces (200 gm)
Degree of Suppression	28 dB
Construction Materials	Aluminum
Standard Finish	Matte Black Anodize
List Price	\$595



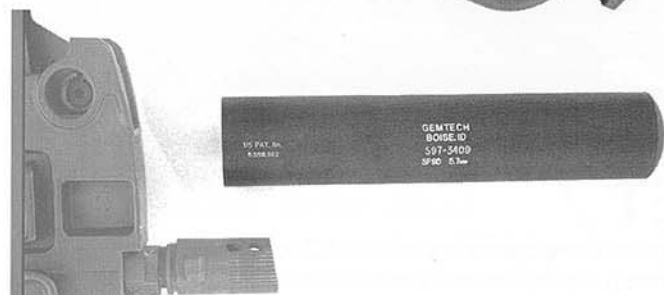
## HORNET

A by-product of the development of the SP-90 suppressor, the HORNET utilizes the same computer-optimized baffle stack of the highly successful SP-90 in a unit designed to mount solely on the weapon's muzzle threads. The HORNET is designed specifically for the popular .22 Hornet cartridge, the .22 Magnum, and fully automatic .22 rimfire applications.

The HORNET features compact size to minimize its perceived presence while significantly reducing both sound levels and muzzle flash. It is available for the standard .22 caliber muzzle thread (1/2x28) found on the American-180 .22LR submachine gun. This same popular thread can be machined on any .22 caliber rifle. It is manufactured from stainless steels and features a black oxide finish. Muzzle velocity and accuracy are not adversely affected by this suppressor.

### PHYSICAL SPECIFICATIONS

Caliber	.22 Hornet, .22 Magnum
	Full Auto .22LR
O.A. Length	6 inch (152 mm)
Diameter	1.375 inch (35 mm)
Weight	15 ounces (425 gm)
Degree of Suppression	30 dB
Construction Materials	100% Stainless
Standard Finish	Black Oxide
List Price	\$550



## SP-90

The SP-90 suppressor was designed specifically for the FN P90 Personal Defense Weapon in caliber 5.7x28mm. It features the patented Gemtech Bi-Lock™ mounting system on a proprietary Bi-Lock™ flash hider on the P90 PDW. The suppressor measures a scant 7.25 inches in length by 1.37 inches in diameter, and reduces the sound level of the weapon by approximately 33 dB, varying slightly with the ammunition used. This robust unit is manufactured from 100% stainless steels and features a matte black oxide finish.

Also available is the S-FN57 suppressor. It was specifically designed for the new FN-57 pistol in caliber 5.7x28mm, which uses the same ammunition as the P90 submachine gun.

This suppressor is available only through FN Manufacturing, Inc.

### PHYSICAL SPECIFICATIONS

O.A. Length	7.25 inch (184 mm)
Diameter	1.375 inch (35 mm)
Weight	20 ounces (680 gm)
Degree of Suppression	32 dB (SS-190 ammunition) 33 dB (SB193 ammunition)
Construction Materials	Corrosion resistant stainless steels
Standard Finish	Matte Black Oxide
List Price	Contact FN Manufacturing (888) 800-3914



## PREDATOR (M4-96C)

A by-product of the development of the M4-96D suppressor, the PREDATOR utilizes the same computer optimized baffle stack of the highly successful M4-96D in a unit designed to mount solely on the rifle's muzzle threads. It is an effective tool for reducing both the sound and flash signature of the .223 compact assault rifle or submachine gun. Weapon mounting requires removal of the flash hider. The Predator reduces muzzle sound signature to a level approximating that of a .22 rimfire rifle shooting shorts.

The unit features compact size to minimize its perceived presence on the .223 compact assault rifles while significantly reducing both sound levels and muzzle flash. It is available for the standard Colt muzzle thread (1/2x28) and on special order for the Ruger (9/16x24) or HK-53 (15x1 mm). Manufactured from 100% stainless steel, it is supplied with a matte black oxide finish. Muzzle velocity and accuracy are not affected by the unit.

### PHYSICAL SPECIFICATIONS

O.A. Length	6.2 inch (157 mm)
Diameter	1.5 inch (35 mm)
Weight	20 ounces (680 gm)
Degree of Suppression	Greater than 28 dB
Construction Materials	Corrosion resistant stainless steels
Standard Finish	Matte Black Oxide
List Price	\$595

# M4-96D 5.56mm Flash & Sound Suppressor

NSN: 109501C190190

The M4-96D was designed to meet specific military requirements for a compact, high efficiency, quickly detachable suppressor for the 5.56mm Colt M4A1 carbine. In addition to the requirements that the suppressor be quickly attached to and removed from the weapon's flash hider without tools, it was necessary that the system remain compatible with all normal military accessories for this weapon. The M4-96D suppressor meets and exceeds these requirements in a physically small package. Although optimized for the M855 ball (SS109) ammunition, it performs flawlessly with all .223 (5.56mm) ammunition not using a highly frangible projectile.

The M4-96D, utilizing a totally new concept in baffle design, was computer optimized and is manufactured on the latest state-of-the-art CNC manufacturing centers from space age materials. It provides sound reduction in excess of 32 dB in a physically compact package.

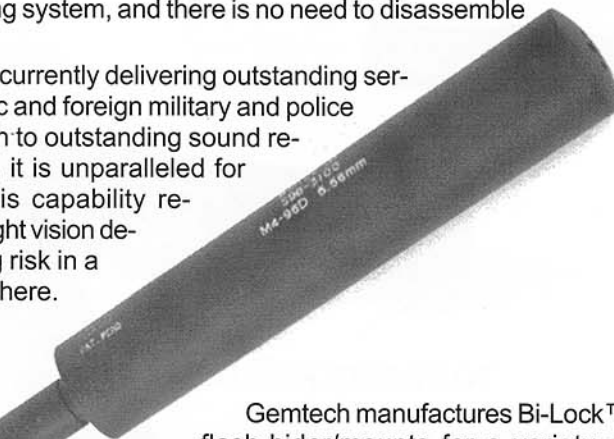
The patented mounting system utilizes Gemtech's special Bi-Lock™ flash hider similar to the conventional M16-A2 bird-cage flash hider. The mounting system reduces installation and removal to a simple push-and-twist motion. By utilizing our high-efficiency Bi-Lock™ flash hidiers on a variety of weapons, the M4-96D suppressor can be quickly, easily, and securely moved from weapon to weapon as the tactical situation requires.

The M4-96D is rated for semi-automatic fire and bursts of fully automatic fire and cannot loosen during firing.



The M4-96D is designed to be operated with only minimal maintenance to the mounting system, and there is no need to disassemble the baffle stack.

The M4-96D is currently delivering outstanding service to both domestic and foreign military and police agencies. In addition to outstanding sound reduction capabilities, it is unparalleled for flash reduction. This capability reduces blooming in night vision devices while reducing risk in a combustible atmosphere.



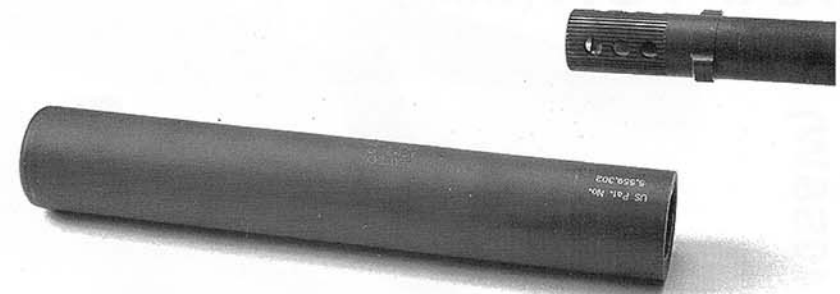
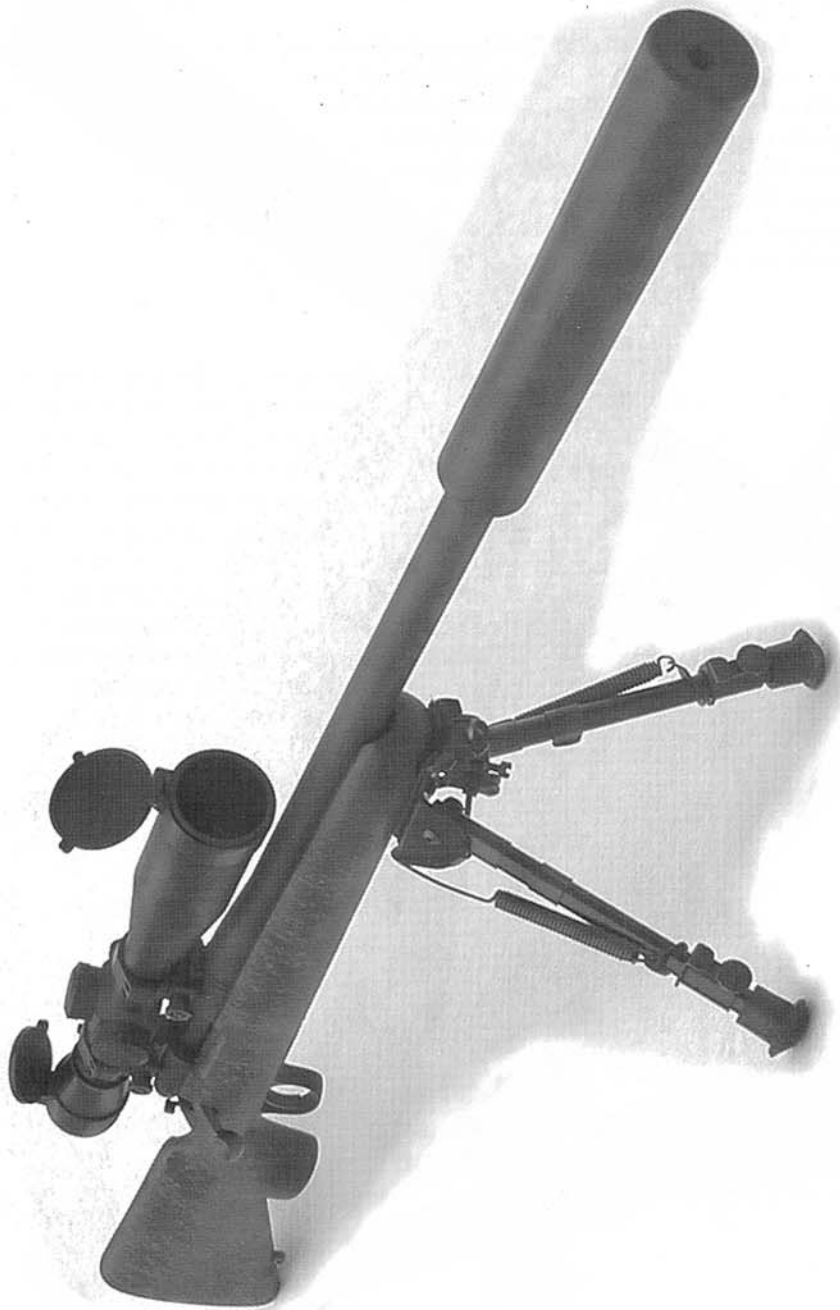
Gemtech manufactures Bi-Lock™ flash-hider/mounts for a variety of weapons, including the HK G36, HK-53, Ruger AC-556, and Steyr AUG. The Bi-Lock™ flash hidiers replace the original on the weapon. Extra Bi-Lock™ flash-hider/mounts are available separately.

Detailed mounting instructions accompany Bi-Lock™ flash hidiers. Installation by Gemtech certified installers with laser gauging is available at nominal cost. Laser welding services are offered at Gemtech if permanent installation is desired.

## PHYSICAL SPECIFICATIONS

O.A. Length	7.75 inch (197 mm)
Diameter	1.5 inch (38 mm)
Weight	24.7 ounces (700 gm)
Degree of Suppression	32+ dB
Construction Materials	Corrosion resistant steel alloys
Standard Finish	Matte Black Oxide
List Price	\$725
Extra Bi-Lock™ Mounts	\$85





## TPR-S .30 Caliber Rifle Suppressor

The TPR-S suppressor is a state of the art .30 caliber general purpose rifle suppressor. Although designed specifically for use with a bolt action tactical rifle, it is usable with any .30 caliber rifle, including the powerful .300 Winchester Magnum cartridge. It delivers exceptional performance on both bolt action and semi-automatic rifles, such as the Knight SR-25.

The TPR-S has an unusually quiet sound signature that is indistinguishable from and masked by the bullet flight noise, making it ideal for both urban and rural tactical operations. Metering at 27 dB reduction, this unit uses the Gemtech Frequency Shift baffle design, translating most of the sound energy beyond the range of hearing. Measuring 9.25 inches in length and 1.5 inches in diameter, the TPR-S is the most compact .30 caliber suppressor available in its performance class.

The patented Bi-Lock™ quick detach mounting system permits consistent mounting with repeatable accuracy. The barrel portion of the Bi-Lock™ mounts on standard 5/8x24 threads and is torqued into position to assure utmost accuracy. Additional Bi-Lock™ mounts are available in so that the TPR-S suppressor may be used with multiple .30 caliber rifles.

A thread mounting version of the TPR-S is available for bolt-action rifles on special order (5/8x24).

### PHYSICAL SPECIFICATIONS

O.A. Length	9.25 inch (235 mm)
Mounting System	Gemtech Bi-Lock
Diameter	1.5 inch (38 mm)
Weight	28 ounces (795 gm)
Construction Materials	Stainless steel
Standard Finish	Optically flat Black Oxide
List Price	\$725 (Bi-Lock™ Quick Detach) \$645 (Thread mount)
Extra Bi-Lock™ Mounts	\$85

# RAPTOR (9mm)

RAPTOR-40 (10mm & .40S&W)



**Sound  
and flash  
Suppressors**



The RAPTOR is the latest in a series of lightweight, physically small, highly effective sound suppressors designed specifically for fully automatic fire in the Heckler & Koch MP5 and Colt 9mm M16 submachine guns. The Raptor is also available as the RAPTOR-40 for the .40 caliber and 10mm versions of the MP-5. The RAPTOR mounts directly on the H&K 3-lug barrel utilizing as standard equipment the Gemtech Tri-Lock™ (patented) quick detach mount or on a proprietary Bi-Lock™ flash hider for the Colt 9mm M16. A 3-lug adapter is available for the Colt 9mm submachine gun for departments that utilize both weapons.

Weighing only 10.5 ounces (12 ounces for the Raptor-40) and measuring only 9 inches in length, this unit has no adverse effect on either the handling or accuracy of the weapon. The RAPTOR outperforms any comparable sized suppressor and many that are significantly larger and more expensive. It satisfies the demand for a small, lightweight tactical submachine gun suppressor.

The unit features precision CNC machined aluminum baffles in a black anodized aluminum body utilizing aircraft grade aluminum alloys. No wipes or mesh packing are used, and cleaning can be accomplished by simple immersion in solvents.

## PHYSICAL SPECIFICATIONS

Caliber	9mm (10mm/.40S&W)
O.A. Length	9 in (229 mm)
Diameter	1.37 in (1.5 in Raptor-40)
Weight	10.5 oz. (12.5 oz Raptor-40)
Degree of Suppression	30+ dB
Construction Materials	Aircraft Grade Aluminum
List Price	\$635 (for HK weapon, either caliber) \$725 (for Colt with Bi-Lock™)

NOTE: When used on a 9mm HK 3-lug barrel that is also threaded, it may be necessary to request our thread protector. The Raptor-40 includes the required thread protector.



## TALON-SD

The TALON-SD is an integrally suppressed upper receiver for the Colt 635 9mm M16 submachine gun. As with the older Gemtech-designed Mirage suppressor assembly, the TALON-SD quickly replaces the upper receiver of the Colt 635 9mm M16 to provide ultimate suppressed performance for critical tactical situations. Unlike most integrally suppressed submachine guns, the five inch non-ported barrel delivers full terminal ballistics expected from the 9mm cartridge utilizing the popular 147 grain projectiles.

Built on a "flat-top" upper receiver, The TALON-SD permits use of optical sights for precision shooting, including the ever popular red-dot type sights and night vision optical devices.

The TALON-SD is designed for field stripping for cleaning without the use of tools. Additionally, field-stripping and reassembly does not affect the point of impact or necessitate re-sighting the weapon prior to use. The TALON-SD utilizes the bolt from the customer's Colt 635 9mm submachine gun. Because of the short barrel and overall length, the TALON-SD cannot be legally used on a semi-auto weapon that is not registered as a short-barreled rifle.

### PHYSICAL SPECIFICATIONS

Caliber	9mm
O.A. Length (Talon)	15 in (381 mm)
Length (on weapon)	26.2 in (665 mm)
Barrel Length	5 in (127 mm)
Weight (complete weapon)	6.25 lbs (2.84 kg)
Degree of Suppression	30 dB
List Price	\$949 Suppressed Upper

*NOTE: Price is for the Talon only and does not include sights or the Colt 635 machine gun parts.*



## VIPER

The VIPER series suppressors have been specifically engineered to mount securely on the unmodified M10 and M11 Ingram submachine gun barrels. Gemtech's patent-pending mounting system prevents unintentional loosening or unscrewing during use, even if the user does not hold the suppressor. Initial installation is simple, and subsequent installation and removal simply involves sliding the suppressor handguard forward to disengage the locking mechanism.

The VIPER retains the classic cosmetics of the Sionics-type suppressor in a modern design. Although significantly smaller than the Sionics design, the Viper significantly outperforms the original by more than 10 dB.

Three versions of the VIPER are available: The VIPER-9 for the M10 and M11 9mm submachine guns and the VIPER-380 designed specifically for the M11/M12 .380 Ingram submachine guns. Coming fall of 2000 will be the full size VIPER-45 designed specifically for the MAC M10 weapon in the popular .45ACP cartridge.

These units have no adverse effect on either the handling or accuracy of the weapon. The VIPER outperforms any comparably sized suppressor and many that are significantly larger and more expensive. It satisfies the demand for a small, securely mounting submachine gun suppressor for the most popular submachine gun ever marketed in this country. No wipes or mesh packings are used.

### PHYSICAL SPECIFICATIONS

Caliber	9mm
O.A. Length	9.5 in (240 mm)
Diameter	1.37 in (35 mm)
Weight	14 oz. (400 gm)
Degree of Suppression	30+ dB
Construction Materials	Aircraft Grade Aluminum
List Price	\$595 (either model)



## MOSSAD and MINI-MOSSAD

Based on experience gained with the widely acclaimed Raptor 9mm submachine gun suppressor, the MOSSAD and MINI-MOSSAD are specifically designed to suppress the standard sized UZI and the popular Mini-UZI submachine guns respectively with no modification whatsoever to the underlying weapon. For both weapons, the suppressor is mounted in place of the barrel retaining nut. Efficiency slightly outperforms the original Raptor.

Weighing only 12.5 ounces and measuring 11 inches in length, this unit has no adverse effect on either the handling or accuracy of the weapon. The MOSSAD outperforms any comparably sized suppressor and many that are significantly larger and more expensive. It satisfies the demand for a small, lightweight tactical submachine gun suppressor.

The unit features precision CNC machined aluminum baffles in a hard black anodized aluminum body utilizing aircraft grade aluminum alloys. No wipes or mesh packing are used, and cleaning can be accomplished by simple immersion in solvents.

### PHYSICAL SPECIFICATIONS

Caliber	9mm
O.A. Length	11.5 in (292 mm)
Diameter	1.37 in (35 mm)
Weight	12.5 oz. (300 gm)
Degree of Suppression	33 dB
Construction Materials	Aircraft Grade Aluminum
Standard Finish	Matte Black Anodize
List Price	\$595



## LDE-9 PENGUN (.380ACP)

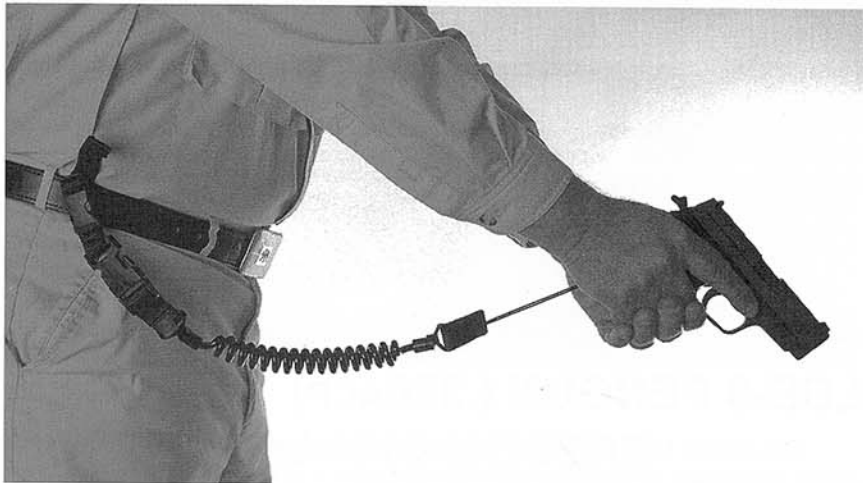
The model LDE-9 Pengun is a relatively high powered, disguised, and easily concealed single shot survival weapon. It is normally chambered for the .380ACP (9mm Kurtz) pistol cartridge, which is available worldwide. The model designation "LDE" derives from the full name, Last Ditch Effort. As a single shot weapon and lacking any sighting facilities, this weapon is designed for use in an otherwise hopeless situation and not for use as a duty weapon. The barrel is also threaded for the Gemtech model SOS silencer.

Because the weapon is a disguised firearm, easily concealed and readily mistaken for another object, it has been classified by the Bureau of Alcohol, Tobacco and Firearms as an "Any Other Weapon." As such it is subject to the registration, transfer, tax, and regulation requirements of any other Title 2 firearm as defined under the National Firearms Act of 1934 and the Gun Control Act of 1968. Regardless of its appearance, the LDE-9 is a firearm, and as such it is designed to do great bodily harm to another living creature.

### SPECIFICATIONS

Caliber:	.380ACP (9mm Kurtz)
Overall Length:	4 inches (102 mm)
Barrel Length:	1-3/4 inches
Diameter:	9/16 inch (14 mm)
Weight:	2 ounces (55 gm)
Sights:	None
Firing Mechanism:	In-Line Pull Ring
Materials Used:	4130 Steel
Finish:	Black Oxide
Muzzle Threads:	1/2x28
List Price	\$375

## OTHER PRODUCTS



### Tactical Retention Lanyard®

Designed primarily for law enforcement and mission-specific military needs, this accessory is a coil-cord lanyard invaluable for prevention of loss of the sidearm during high activity or marine operations. It is usable with any sidearm having a lanyard loop.

The Gemtech Tactical Retention Lanyard features a fully adjustable belt loop with a side release buckle to easily detach the retained weapon from the belt loop. The loop portion of the lanyard easily attaches to the lanyard loop in the sidearm, including the small loop in SIG weapons.

The lanyard is engineered to have a programmed breaking strength of approximately 100 pounds to prevent serious user injury in the unlikely event the weapon becomes caught in machinery.

The Gemtech Tactical Retention Lanyard is useful for prevention of loss of other small, valuable accessories including two-way radios, diving knives, hand-held power tools, cameras, etc.

#### SPECIFICATIONS

Length coiled	22 inches (56 cm)
Length extended	55 inches (140 cm)
Breaking Strength	100 lbs. (45 kg.)
Color	Black
List Price	\$19.95



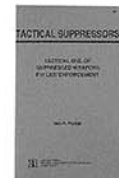
## MP5-FH

List Price \$80

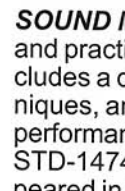
The Gemtech MP5-FH is an advanced, high-efficiency Offset-Prong type flash hider designed specifically to mount on the HK MP5 and MP5K-PDW 9mm submachine guns. Featuring our patented Tri-Lock™ quick detach mounting system, it can be installed or removed in under two seconds.

## PUBLICATIONS

Gemtech distributes several publications of interest to sound suppressor clients:



**TACTICAL SUPPRESSORS:** This monograph is a discussion of tactical uses of sound suppressed weapons for law enforcement. Well written and documented, it is an ideal tool for selling to law enforcement. It was written by Neil R. Parker, a recognized authority on the historical development of sound suppressed weapons and their uses. \$9 ppd



**SOUND MEASUREMENTS:** This monograph details the theory and practicality of performing firearm sound measurements. It includes a detailed analysis of firearm sounds, measurement techniques, and suitable instrumentation. It also details a protocol for performance of firearm sound measurements compliant with MIL-STD-1474C. Written by Philip H. Dater, MD. This originally appeared in the August 2000 issue of *Small Arms Review*. \$4 ppd



**THE ART OF SILENCE:** A slightly updated reprint of an article by Dr. Philip H. Dater, this booklet gives an overview (both historical and functional) of what silencers are and basically how they work. Although semi-technical, this is a discussion of basic principles, not a how-to-do-it booklet. The original article appeared in the October 1982 issue of *S.W.A.T.* magazine. \$4 ppd



**SUBSONIC 9mm AMMUNITION:** An update of an article by Dr. Philip H. Dater from the December 1991 issue of *Machine Gun News*, this is a discussion of available 9mm subsonic ammunition with some guidelines on re-manufacturing subsonic ammunition. This monograph specifically addresses concerns related to ammunition used in the popular 9mm Heckler & Koch MP5 series weapons. \$3 ppd.



## CUSTOM SUPPRESSORS

On a time available basis, Gemtech will produce custom suppressors, including some of the older Gemtech/AWC/GSL products. Although some of these products have been discontinued for lack of demand, their performance remains unparalleled. Certain models, such as the classic SG9 (integrally suppressed replacement barrels for the S&W M76 or STEN MkII submachine guns) or the Gemtech MK-9K 9mm submachine gun muzzle suppressor, are periodically built in short production runs and may be available from inventory. Pricing will vary with materials, time, and complexity.



### SG9

The model SG9 is a highly efficient sound suppressor which can be configured for either the S&W Model 76 submachine gun (and its clones) or the British STEN MK-2. The unit is a suppressed barrel that replaces the original barrel/barrel shroud assembly. It features adjustable velocity control, permitting efficient use with either supersonic or subsonic ammunition. It is manufactured from alloy steel and has a black oxide finish.

#### PHYSICAL SPECIFICATIONS

Length	14 inches (355 mm)
Diameter	1.62 inch (41 mm)
Weight	3 lbs (1.3 Kg)
Reduction	Over 38 dB
List Price	\$675

## CUSTOM SUPPRESSORS



### MK-9K

The MK-9K suppressor is intended for use on the Heckler & Koch MP5 (and MP5K-PDW) submachine guns as a state of the art, compact flash and sound suppressor for tactical situations. An outgrowth of our well known full-sized MK-9, the MK-9K maintains the suppression efficiency of the original full sized unit in a suppressor that is only 7.5 inches long. Although shorter than competing suppressors, the MK-9K provides superior performance with significantly less weight.

The unit features a stainless steel baffle core in a black anodized aluminum body utilizing aircraft grade aluminum alloys. Muzzle velocity and accuracy are not affected by the unit, and it is engineered to handle high volume fully automatic fire. No wipes or mesh packing are used, and the suppressor can be disassembled for maintenance if desired.

The MK-9K is designed to mount on the standard H&K 3-lug barrel utilizing the Gemtech Tri-Lock™ (patented) quick detach coupler, a secure 3-lug coupling device. On special order (at a reduced cost) it can be configured to mount on standard 1/2x28, 1/2x32, or 1/2x36 threads.

#### PHYSICAL SPECIFICATIONS

Caliber	9mm (.40 cal on special order)
O.A. Length in front of muzzle	7.5 inch (190 mm)
Diameter	2.0 inch (51 mm)
Weight	20 ounce (560 gm)
Degree of Suppression	32 dB
Construction Materials	Aircraft Grade Aluminum
Standard Finish	Matte Black Anodize
Options:	Thread mounting or S.C.R.C. type Coupler
List Price	\$575 (\$623 Tri-Lock™ Mount)

## SPECIAL SERVICES

We can provide barrel threading services at nominal cost. Contact us for specifics. Please note that we warrant alignment of suppressors only on barrels threaded by us, threaded by the original barrel manufacturer, or gauged by us.

In addition, we can provide target trigger modification of weapons we suppress as well as bolt locks for suppressed Ruger .22 pistols and tritium night sights by Innovative Weaponry, Inc.

We will warranty alignment of Bi-Lock™ equipped suppressors only if the Bi-Lock™ is mounted to Gemtech specifications either by Gemtech or a Gemtech certified armorer.

Barrel threading (includes thread protector)	85
Shorten, thread, and re-crown barrel	110
Convert submachine gun barrel to use HK type 3-lug accessories	110
Mount Bi-Lock™ on threaded barrel	25
Shipping & Handling (per package, UPS unless otherwise noted)	15

## LEGALITIES OF SOUND SUPPRESSOR OWNERSHIP

Although legal for private ownership under federal law, approximately 14 states, the District of Columbia, and all the territories prohibit private ownership of firearm sound suppression devices. Federal law requires registration of these devices and prior approval for each transfer (change in ownership). The process of obtaining federal approval may take up to 3 months for a transfer to an individual.

As of the printing of this catalog, silencers are legal for private ownership by legal residents in the following states: AL, AR, AK, AZ, CO, CT, FL, GA, ID, IN, KY, LA, ME, MD, MS, MT, NE, NV, NH, NM, NC, ND, OH, OK, OR, PA, SC, SD, TN, TX, UT, VA, WA, WV, WI, and WY. Additionally, they may be owned by Class 3 dealers and Class 2 manufacturers (but not individuals) in: CA, IA, KS, MA, MO, and MI. There are no known restrictions on governmental ownership except Kansas.

Silencers are tightly regulated by the Bureau of Alcohol, Tobacco & Firearms in the same manner as machine guns. Application must be made with the BATF and approval obtained prior to any change in physical possession of the unit, and they must be purchased through a Class 3 firearms dealer in the recipient's state of residence. The Class 3 dealer will assist the customer with the required forms and application process.

Transporting a silencer from a state which permits ownership to one where they are prohibited will place the owner in felony violation of state law. Loaning, giving away, or otherwise transferring possession without prior BATF approval is a federal felony with severe consequences. **Please do not ask us to violate federal or state law.**

## LEAD AND DELIVERY TIME

The majority of the products listed are stock inventory items. If there are to be any delays on delivery, you will be notified.

## TERMS

**GENERAL:** No open accounts with the exception of government agencies with an official purchase order. Personal or company checks are accepted and will not delay order processing. Prices are FOB Boise, Idaho.

**PREPAID:** Unless prior arrangements have been made, all orders must be paid prior to filing of the BATF transfer forms.

**CREDIT CARDS:** We accept VISA and MASTERCARD only. Credit card orders will be subject to a 2.5% surcharge. Credit card orders will be charged at the time the order is placed.

**COD:** We will ship C.O.D. for a \$15 service fee in addition to actual UPS freight and insurance charges. COD orders require a 30% deposit.

**RETURNS and CANCELLATIONS:** A 20% restocking charge will be made on orders cancelled prior to shipment. On custom work, the deposit will be forfeited on a time and materials charge.

## SHIPPING

We normally ship UPS 3-Day Select, and we can drop ship directly to law enforcement agencies. Expedited shipping is available at extra charge. All shipments will require an adult signature to comply with federal requirements (Brady Law).

## QUANTITY DISCOUNTS

Additional discounts are available to stocking dealers ordering 6 or more suppressors at the same time. Quantity discounts do not apply to services or resale of other firearms, and discounts may not be combined.

## SALES REPRESENTATIVES

We have a number of sales representatives and distributors throughout the United States. Contact us for the one closest to you. Orders may be placed through the representative or directly. Shipments will be made directly to law enforcement agencies, class 3 dealers, or regular FFL dealers.

## EXPORTATION

Exportation can be arranged for military and police agencies in NATO and certain Most Favored Nation status countries. An End User Certificate will be required. US law prohibits exportation of silencers or parts to individuals.

## SPECIFICATIONS

Due to our continuing R&D program, sound suppressor specifications and prices are subject to change without notice.

## MOUNTING NOTES

The Bi-Lock™ mounting system is exceptionally stable and cause no damage whatsoever to the weapon. Because the mount is torqued onto the weapon, maximum accuracy can be achieved.

The single point mounting system (on muzzle threads alone) can result in misalignment if the suppressor unscrews only a few degrees, which it may do during fully automatic firing. This can result in damage to the suppressor and the weapon. Unless the threads are locked with a permanent thread adhesive, these devices can (and do) unscrew completely and may cause serious injury to the operator. Claims to the contrary notwithstanding, all conventional right-hand threaded muzzle attachments will unscrew on right-hand rifled barrels.

Because user mindfulness during operation is a necessity, we cannot be responsible for any injury or damage resulting from suppressor unscrewing during use.

In addition, suppressors become exceptionally hot during use and can result in serious burns. It is the user's responsibility to prevent injury.

## WARRANTY STATEMENT

The Magnuson-Moss Act (Public Law 93-637) does not require any seller or manufacturer of a consumer product to give a written warranty. It does provide that if a written warranty is given, it must be designated as "full" or as "limited" and sets minimum standards for a "full" warranty.

Gemtech has elected not to provide any written warranty, either "limited" or "full," rather than to attempt to comply with the provisions of the Magnuson-Moss Act and the regulations issued thereunder.

There are certain implied warranties under state law with respect to sales of consumer goods. As the extent and interpretation of these implied warranties varies from state to state, you should refer to your state statutes.

Gemtech certifies that all sound suppressors manufactured by them are free of defects in materials or workmanship, and that they meet manufacturing specifications at the time of manufacture.

It is our intent that the customer be completely satisfied with the product. Certain Gemtech products may be classified as ordnance and/or implements of war and are sold by us with the specific understanding that Gemtech has taken every reasonable precaution in providing our customers with inherently safe merchandise, and that we assume no liability whatsoever for unsafe handling by the purchaser or his agents. Gemtech assumes no responsibility whatsoever and we will honor no claims for damages, regardless of nature, for physical injury or property damage resulting from careless and/or irresponsible handling, adjustments to equipment, neglect or abuse.

Gemtech reserves the right to make changes at any time and without notice, in prices, to change specification or design, to add or remove accessory materials, and to add or delete items without incurring any obligation.

**All sales are final. Gemtech is not responsible if the customer fails to research local regulations, jurisdiction, and availability of Chief Law Enforcement Officer signature. Gemtech assumes no responsibility for defects or inappropriateness of the accessory underlying firearm.**

## PERSONNEL

### Gregory S. Latka

<gsltech@voyager.net>

Founder of GSL Technology, Inc. With a 29 year involvement in the aerospace manufacturing business, he has an extensive background with automatic and CNC machines and the machining of both aerospace and exotic materials. He has a long family history of military research and development, including involvement in the Manhattan Project. University majors were in electrical engineering, computer science, and liberal arts.

### Philip H. Dater, MD

<pdater@micron.net>

Licensed physician and retired diagnostic radiologist. Served as a general medical officer in the medical corps of the United States Air Force in the mid 1960s. Founder of Automatic Weapons Company in 1976. Undergraduate majors included biology, chemistry, mechanical engineering, mathematics, and English. Major nonmedical fields of endeavor have been in the fields of telecommunications, silencer design and manufacturing.

### Richard T. Sleeva, II

<specialweaponservices@worldnet.att.net>

Founder of Special Weapons Services, Inc., he is a retired corporate executive with graduate and undergraduate degrees in law, risk management, and marketing. Currently located in Pennsylvania, he is a Heckler & Koch law enforcement dealer and owns and operates a separate law enforcement supply company, Special Weapons Services, Inc.

### Daniel "Kel" Whelan

Educated at the George Washington University (Washington, DC), Loyola University (New Orleans, LA), and the University of South Florida, he has degrees in international studies and communications. He brings expertise in sales of weapons and suppressors to the law enforcement community, civilian market, and military agencies.

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## NOTES:

1. Suppressor prices do not include \$200 NFA transfer tax or local sales taxes, if applicable. Idaho customers add 5% sales tax or submit Idaho form ST-101. Dealer may add a transaction handling charge. Gemtech no longer supplies the underlying firearm for suppression.
2. All prices are manufacturer's suggested list prices. Dealer pricing is available upon receipt of an originally signed copy of dealer's federal firearms license and special occupational tax stamp.
3. There is no transfer tax to Class 3 dealers (having a SOT) or to law enforcement agencies. There is also no excise tax due on silencers.
4. Suppressors can be transferred directly to conventional (non-SOT) dealers on a tax paid ATF Form 4. The \$200 NFA transfer tax will apply.

## Extended Barrels

Many centerfire handgun/suppressor combinations require a barrel that extends in front of the slide on an automatic pistol. There are a number of suppliers for extended barrels, and not all barrels are available from any given supplier. Aftermarket barrel makers are most apt to build barrels for weapons frequently tuned for competitive shooting, such as the Colt, Glock, SIG, Beretta, etc. Because of the barrel cost, the market is small for lower priced handguns in the market, including Ruger and Smith & Wesson, and finding extended barrels for these weapons may be exceedingly difficult.

Below are several of the barrel makers we use.

Jarvis, Inc.  
1123 Cherry Orchard  
Hamilton, MT 59840  
(406) 961-4392

Federal Arms Co.  
7928 University Ave.  
Fridley, MN 55432  
(612) 780-8780

BAR-STO Precision Machine  
P.O. Box 1838  
Twentynine Palms, CA 92277  
(760) 367-2747

Urbach Precision Mfg., Inc.  
1529 Axe  
Garland, TX 75041  
(972) 864-0848

## Subsonic Ammunition

Many of the pistol cartridges are subsonic, including .45ACP and .380ACP. Some 9mm ammunition is subsonic and is so designated by the manufacturer. In 9mm, subsonic ammunition has bullet weights of 147 grains and heavier, although not all 147 grain ammunition will remain subsonic in a submachine gun or carbine.

For .22 rimfire, several manufacturers (including Remington, Winchester, and RWS) manufacture specific subsonic ammunition. The majority of the "standard velocity target" designated rimfire ammunition is subsonic. None of the "high velocity" ammunition is subsonic.

There is a lot of demand for subsonic centerfire rifle ammunition. Unfortunately, with rare exceptions, these projectiles yaw badly and have unstable flight characteristics. For this reason, we do not recommend the use of subsonic centerfire rifle ammunition, and damage to the suppressor caused by this ammunition is not covered under warranty.



Credit Card charges are subject to a 2.5% surcharge  
We accept MasterCard and VISA only.

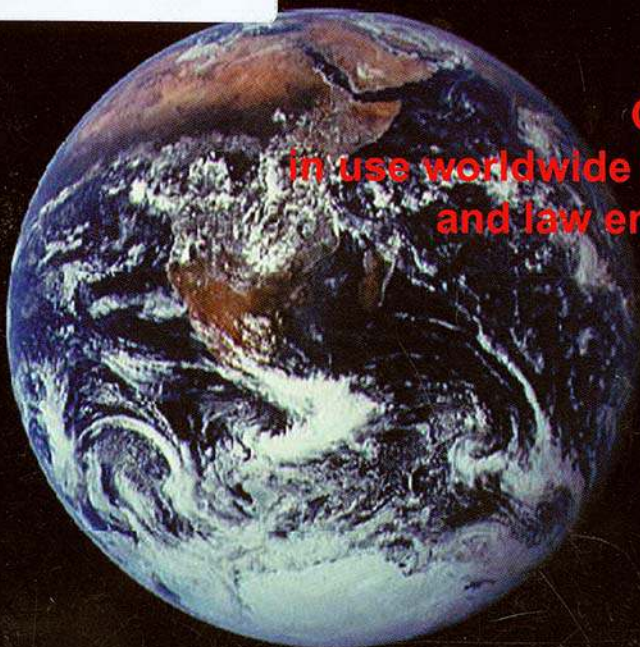


# Be Prepared for the "OUTBACK"

(see P. 5)



2602



**GEMTECH:**  
*in use worldwide by military  
and law enforcement  
agencies.*

*"No product is really sold until  
it is delivering satisfactory  
service to the user."*



**GEMTECH**

*For the 21<sup>st</sup> Century*

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