



ULTRA 5 SUPPRESSOR [GEN2]

Lightweight Precision Rifle Suppressor, 5 inch.
Available in two versions: .30 cal, and 6.5 mm cal

Jan'23 Update-- Now available with HUB interface.

Affectionately called the "Baby Beast" by some users!

The second-generation ULTRA 5 ("Gen2") superseded the original model on November 10th, 2020. The ULTRA 5 Gen2 is quieter and lighter than the original version. The official model ("ULTRA 5") does not change. Gen2 Ultra 5s can be identified by serial numbers that are higher than C40000 or by the visual changes.

The ULTRA 5 is our super compact .30 caliber precision rifle suppressor. It is best for applications where minimum size is the highest priority but good suppression is still required.

The .30 cal ULTRA 5 Gen2 meters at 145 dB (milspec left/right) and 133 dB at shooter's-ear¹, shooting full-power (hot) M118LR ammunition from a 20" AI AX. Compared to the original, the Gen2 is about 4 dB quieter at the muzzle and 3 dB quieter at the shooter's ear.

The 6.5 mm cal ULTRA 5 Gen2 meters at 142 dB (milspec left/right) and 130 dB at shooter's-ear¹, shooting Hornady 140 gr ammunition from a 24" AI AX.. Compared to the original, the Gen2 is about 1 dB quieter at the muzzle and 1 dB quieter at the shooter's ear.

We now specify the dB rating as a single number due to the long-term consistency of the B&K PULSE system. These should be considered the "reference" numbers compared to anything published previously -- please see our [youtube videos](#).

The ULTRA 5 Gen2 weighs 6.0 ounces (1.6 ounces lighter than the Gen1).

ULTRA SERIES

The ULTRA Gen2 series represents a revolutionary improvement in titanium precision rifle suppressors. We took everything we've learned over the last decade building the best precision rifle suppressors in the world and put it into the ULTRA design. The ULTRA series offers unprecedented light weight and class-leading suppression levels.

Compared to the original ULTRA series, the ULTRA Gen2 is on average 2 dB quieter and about 20% lighter. Strength and caliber ratings are the same.

The .30 caliber ULTRA series includes three suppressors: 9-inch, 7-inch, and 5-inch versions are available. They are available in either our [Compact Brake \(CB\) Mount](#) (a "thread over muzzle brake" type mount) or in a direct thread mount.

The CB mount and direct thread mount have equivalent accuracy and repeatability.

With the CB mount, the suppressor mates to a conical shoulder on the brake and locks up rock solid and extremely tight. In direct thread configuration, the ULTRA suppressors use a heat-treated 17-4 thread insert and initial blast shield. The ULTRA series suppressors also have the flexibility to be changed from direct thread to CB mount and vice versa via a simple factory service operation, in case your needs change. This is accomplished by removing or replacing the default brake from the direct thread version.

Like the original, the Gen2 ULTRA is all-titanium and is fully welded. The Gen2 is now a "tubeless" design, with the baffles joined directly with no separate tube. This material and construction provide a great strength to weight ratio. It can take whatever your precision rifle can dish out.

The ULTRA Gen2 baffle stack was completely redesigned, but retains the principles that made the original ULTRA (and 30P-1 stack before that) such a great precision and long-range suppressor. Thunder Beast Arms Corp suppressors have racked up impressive results at long-range field shooting events nationwide, and have been the most popular suppressor used in the Precision Rifle Series (top 50 competitors) for many years running.

Many long-range shooters prefer shooting suppressed because the muzzle blast and concussion is eliminated, while the recoil impulse is reduced and smoothed out over time. The net result is that the rifle is easier to shoot and it's easier to make hits. Communication with your spotter is easier because the need for hearing protection is reduced.

The .30 cal ULTRA was designed around .308 for maximum flexibility and is rated up to .300 Winchester Magnum (18" barrel), but it's the ideal suppressor for the most competitive mid-sized cartridges for long-range shooting such as .243 Winchester .260 Remington, 6.5 Creedmoor, 6.5x47 Lapua, 6.5-284 Norma, and 7mm Remington Magnum & WSM.

SPECIAL FEATURES

- » Direct thread attachment option
- » CB series muzzle brake and flash hider attachment option
- » Ionbond DLC coating on CB muzzle devices
- » Conical shoulder surface on CB mount
- » 100% titanium construction
- » "Tubeless" construction
- » 360-degree fully-welded baffle stack
- » Magnum rated
- » Rock-Solid POI Repeatability

HUB INTERFACE DISCLAIMER

The HUB interface version of this suppressor is meant for advanced users who are familiar with HUB-compatible mounts and know how to use their choice of HUB mounting system in a secure, reliable, and repeatable manner. If you get the HUB version, you should know what you're doing. Everything behind the suppressor body is your responsibility.

We are not responsible for damage caused to this suppressor by another manufacturer's HUB mount system, through its use, misuse, incompatibilities, or any other reason related to the mounting system.

For our part, we will guarantee that the HUB interface is correct and the suppressor will have acceptably-low runout when mounted on a TBAC reference HUB/DT interface.

For the Ultra 5, 7, and 9, the HUB versions have a slightly larger outer diameter (OD) at the rear of the suppressor to accomodate the 1.375" internal threads, compared to the normal CB versions. For the Magnus and the Dominus, the stepped-down section at the rear of the suppressor is slightly larger OD compared to the CB version (but smaller than the SR version).

APPLICATION NOTES

Minimum barrel lengths²:

6"	.300 Blackout (subsonic)
8"	.300 Blackout (full power)
10"	6.8 SPC, 7.62x39
11.5"	223 Rem, 5.56, 6.5 Grendel
14.5"	.308 Win, .260 REM, 6.5 Creedmoor, .243 WIN, .22 Creedmoor
16"	6.5 SAUM, 6.5 PRC, 7 WSM, 7 SAUM, 7STW, 7RM, 7 PRC, 300 WSM
18"	26 Nosler, 28 Nosler, 300 WM, 300 WBY, 6.5-300WBY
22"	7 RUM, 300 Norma, 300 RUM, 300 PRC

Please contact tech support for:
7mm cal loads exceeding 90 powder grains,
.30 cal loads exceeding 100 powder grains
For questions about a particular rifle/load combination please contact us.
* SBR use in these calibers, CB brake mount or Direct Thread recommended.

Please note that thermal input will be higher with shorter barrels. Ultra series suppressors should be kept under 800 degrees F.

1. Measured in accordance with MIL-STD-1474E using a BK PULSE SLM with mics at specified locations

Note on dB ratings

We now specify the dB rating as a single number for the specified weapon-ammo configuration due to the long-term consistency of the B&K PULSE system. The numbers for the milspec-left/right mic position are very consistent. "Shooter's ear" (SE) numbers are a little more variable and should be considered with a margin of +/- 2 dB. These should be considered the "reference" numbers compared to anything published previously -- please see our [youtube video](#)

We report dB as dB(A), ie, with A-weighting, due to MIL-STD-1474E specifying using either A or C weighting.

2. Max loads / min bbl lengths rated with CB Brake or direct thread



Specifications

Calibers	.30 caliber, up to .300 RUM 6.5 mm caliber, up to 6.5 mm / .264" caliber
Material	Titanium
Length	5 inches
Diameter	1.5 inches (HUB model, 1.602" at rear)
Mounts	CB, series brake or flash hider, Direct Thread, or HUB
Weight	6.0 ounces (CB mount) 7.8 ounces (direct thread)
Threads (Brake or Direct Thread)	1/2-28", 5/8-24, 9/16-24, 9/16-28, 3/4-24, 3/4-28, M15x1.0, M18x1.0, M18x1.5 * Note: The 1/2-28 brake has part number 223CB-BRK-1/2-28 and has a .223 caliber aperture!
Finish	Black CeraKote; OD Green or FDE available
Brake Material	Heat-treated 17-4 stainless
Brake Finish	Ionbond DLC
Use	Precision/Long-range rifle, bolt or semi-auto
Price	\$1070 HUB (mount system not included) \$1070 CB Mount (one brake included). Extra brakes \$125/ea "CB" External thread protector, \$35 (not included - sold separately)
Warranty	TBAC Limited Lifetime Warranty . How to order a suppressor

BRAKES AND THREAD PROTECTORS AVAILABLE ONLINE

30CB BRAKE	<div>Select Threads</div>	\$125.00
Each brake includes one peel washer		
30CB FLASH HIDER	<div>Select Threads</div>	\$125.00
Each flash hider includes one peel washer		
30CB EXTERNAL THREAD PROTECTOR		\$35.00
EXTRA PEEL WASHERS	<div>Select Size</div>	\$5.00
Peel washers have an O.D. of 0.840-0.845" and an initial thickness of approx 0.048-0.055".		



Join the discussion:
[SILENCERS](#) on the [THUNDER BEAST ARMS FORUM](#)

Shipping for web orders is \$8.65 for the first item and \$4.33 for each subsequent item, for most products. Shipping cost on external thread protectors and extra peel washers is less. Bipods are more.

MATERIAL PROPERTIES

The Ultras were designed to be the "ultimate" lightweight precision rifle suppressor. This means we used materials to meet those goals. Titanium, even Grade 5, is ultimately limited by temperature. The Ultras are very strong but excursions above 800 degrees are not good for the material. If you take it far enough above 1000 degrees, it will get too weak to sustain the blast and you would eventually get a failure. We recommend keeping the Ultra series less than 800 degrees.

Full auto by itself does not really increase the pressure or stress on the can, it's the heat energy input in combination. Full auto or bursts would be fine on an Ultra as long as the material temperature does not exceed that 800 degree safety mark. In our testing, one magazine fired rapid (mag-dump) from from an AR-10 or AR-15 does not exceed 800 degrees. Keep in mind this is firing at a full-auto-like rate. At that point you'd just have to let it cool. The second magazine may or may not cause it to exceed it depending on ambient conditions, loads, barrel length, etc. A shorter barrel will cause more heat input into the suppressor and its temperature will rise faster.