

Specifications				
Model:	M.A.R.S. - QD 5.56	M.A.R.S. - QD 7.62	M.A.R.S. - DM 5.56	M.A.R.S. - DM 7.62
Item Number:	SD-988327	SD-988328	SD-988225	SD-988226
Caliber:	5.56 mm (.223)	7.62 mm (.308)	5.56 mm (.223)	7.62 mm (.308)
Material:	Inconel® / Thermax®	Inconel® / Thermax®	Inconel® / Thermax®	Inconel® / Thermax®
Rating:	Full Auto: until glowing red, Semi Auto: 600 rounds in 16 minutes			
Colour:	Grey	Grey	Grey	Grey
Suppression:	26 dB (A)	22 dB (A)	23 dB (A)	18 dB (A)
Attachment:	QD - quick detachable	QD - quick detachable	screw on	screw on
Thread:	according to customers muzzle thread		1/2"-28, 5/8"-24, M24x1.5, M18x1, blank	
Diameter:	39 mm	39 mm	39 mm	39 mm
Length:	161 mm	192 mm	126 mm	142 mm
Extending length:	97 mm	128 mm	110 mm	126 mm
Weight:	ca. 420 g	ca. 480 g	ca. 380 g	ca. 450 g
Weight w. flash hider:	ca. 500 g	ca. 570 g	N/A	N/A

All specifications are subject to change without prior notice. Data are mean values and therefore not suitable acceptance criteria.



The all new multi-Y endcap of the M.A.R.S. was developed from the ground up to give the operator a whole new level of muzzle flash reduction. B&T recently developed a new sniper rifle suppressor for the German Army Special Forces. One of the system specifications for the suppressor was the highest possible level of muzzle flash suppression. While the B&T suppressors completely met this requirement, our engineering team did not rest on this achievement, but took the development another step further, adapting the flash hider from a «one shot» sniper rifle to fully automatic assault rifles, while also improving the muzzle flash suppression even more.



The B&T muzzle flash hider used with the M.A.R.S. - QD was developed to meet two goals: to be an excellent flash hider when fired without a mounted suppressor and to be a reliable and rapid mounting platform for the M.A.R.S. – QD. Mounting suppressors on barrels is something that comes quite natural with B&T, so the integration of a swift and fluid attachment system for the suppressor resulted in the lightest attachment system ever.





MINIATURE ASSAULT RIFLE SUPPRESSOR (M.A.R.S.) 5.56 mm (.223) / 7.62 mm (.308)

The all new M.A.R.S. (Miniature Assault Rifle Suppressor) was designed from the ground up to be a small, light and effective assault rifle suppressor. The inspiration for the product came from customer feedback on actual experience in Iraq and Afghanistan. The M.A.R.S. sets the new standard in its class.



M.A.R.S. – Miniature Assault Rifle Suppressors

It is time to go light.

It is time for a revolutionary new suppressor design.

It is time for the M.A.R.S., the Roman God of War.

For the last 26 years, B&T has been the industry's premier suppressor producer. In that time B&T has not only been chosen to produce suppressors for most of the Europe's small arms manufacturers but also for most of Europe's armed forces.

In this time B&T has come to understand of the evolving needs of end-users. This experience is based on actual combat experience in Iraq, Afghanistan and many other places. In essence, requirements have evolved over the years and B&T has evolved its products to perfectly serve the new needs of its customers.

The new requirements are:

- Greater flash reduction
- Lighter weight
- Smaller size

To meet the requirement for a light suppressor, the services will accept suppressors to be semi-disposable, not unlike the expected service life of a magazine or a barrel. Gone are the days when B&T would produce a suppressor that will out serve the rifle itself.

Exchange of experience with units returning from combat zones has taught B&T that noise reduction is not as important as flash reduction. The reasons for this are simple to understand. The human ear cannot tell the difference between the sound that is 139 dB vs. something that is 136 dB. As long as it is below 140 dB this is important because this is where permanent hearing loss will occur. The human eye however is immediately attracted to light, even if the muzzle flash occurs in the peripheral vision. During night or hours of twilight, the attention of the enemy is attracted to the muzzle flash and that is where fire is returned. Therefore the reduction of the muzzle flash is paramount and one of the two primary design goals of the M.A.R.S. And as extensive testing shows, this goal was met and exceeded.

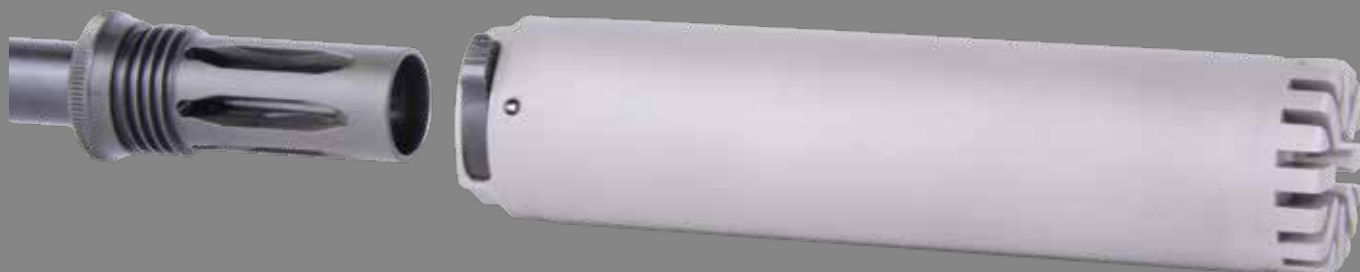
The weight of suppressors is also becoming an issue. This is especially true in dynamic combat situations, a light suppressor, that will not change the balance of an assault rifle while at the same time does not extend the length of a rifle too much, is a must. Besides that weight saving at soldier's equipment, wherever possible, is becoming more and more important, as today's soldiers are required to carry huge loads, easily exceeding 50 kg. Communication, night vision/thermal devices, illuminators, GPS, spare batteries for everything, not to mention body armor and ballistic plates. Every Gram of weight reduction is a benefit. Therefore weight reduction was the other most important design goal during the development of the M.A.R.S. This goal was also not only met but exceeded, as the M.A.R.S. is the lightest assault rifle suppressor in its class.

The new B&T M.A.R.S. line (Miniature Assault Rifle Suppressors) was not only designed based on the input from elite military forces in NATO, but were also field tested in close collaboration with these units. Field trials proved that the M.A.R.S. does meet and exceed not only today but also future requirements.

As the requirements of our customers are different, B&T offers two models of the M.A.R.S. The first one is the M.A.R.S. - QD (quick detachable) and the second one the M.A.R.S. – DM (directly mounted). Both models serve perfectly the different needs of different customers, depending on the mission.

Assault Rifle Suppressor

M.A.R.S. - QD



For those who prefer the option to be able to mount/dismount the suppressor even during an operation, the M.A.R.S. - QD (quick detachable) is the perfect choice. The system has only two moving parts; it can be mounted/dismounted on the new B&T designed flash hider within seconds. While it is mounted by just screwing it onto the flash hider it automatically secures itself on the notches of the flash hider.

To remove the suppressor just press the lever, this is a one hand operation, conducted in one swift and fluid motion in less than 5 seconds. The mounting system, consisting only of the proprietary B&T flash hider, will give excellent flash reduction when used without the suppressors while providing a fast and solid base when used for mounting the suppressor. The mounting counterpart inside the suppressor consists only of a ratched pod and spring. It is the lightest and quickest detachable mounting system on the market today.

M.A.R.S. - DM



The M.A.R.S. - DM (directly mounted) is the lightest and shortest assault rifle suppressor B&T currently produces. It is screwed directly on the barrel of the weapon. This lack of any mounting system allows it to be almost 300 grams lighter and 50 mm shorter than other suppressors with a mounting system. Therefore the impact on the balance of the weapon and the extension of the gun is negligible and not perceptible in combat.

Despite its small size the M.A.R.S. is a full grown up suppressors when it comes to muzzle flash and sound reduction. This gives the operator the advantage needed in combat for outstanding optical and acoustical camouflage of the muzzle signature.