



straightJacket™ SUPPRESSOR COVER

Patent Pending

SUPERIOR THERMAL PROTECTION

The straightJacket provides the greatest thermal barrier for the most extreme suppressor operating temperatures encountered by professionals. The straightJacket was designed by a SWAT operator/sniper to successfully perform in the harshest conditions and to withstand the overwhelming demands of full auto fire. The straightJacket maintains its integrity and will not melt, catch on fire, or decompose.



LIBERTY'S DEFENSE

LIBERTYSDEFENSE.COM | 321.624.7199

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The inception of the straightJacket design came from the owner's personal need for an absolute flame-resistant suppressor cover that would not fail during the performance of his required duties and training as a SWAT Operator and Sniper. When no viable product existed he set out to develop the solution that would not melt, catch on fire, or decompose during rates of full auto fire. The straightJacket is made to order in the USA and provides a perfect custom fit for the individual customer's suppressor. Liberty's Defense is a USMC Sevice Diasabled Vet, LEO, and Woman Owned Small Business.

Designed for the Most Austere Conditions

Short excursions flash rating of 3,000°F

DIRECT and CONTINUOUS CONTACT rating of 2,000°F.

The straightJacket utilizes four separate layers of absolute flame proof high temperature fabrics which are stitched together with stainless-steel thread to ensure the integrity of the cover's absolute heat resistance. The adjustable retention system consists of a marine grade stainless-steel cable which is coiled with constricting pressure across the full length of the suppressor and is overlapped on the barrel end of the suppressor. The cable is locked into a marine grade stainless steel snap shackle that is attached to Mil-Spec Kevlar webbing and a steel slide that allows tension adjustments. The simplicity of the cable and snap shackle design affords the shooter ease in the ability to install or remove the straightJacket in only a few seconds.

Burn Prevention

Unlike a rifle's barrel, suppressors are made of thin metals and their sole purpose is to slow and cool the weapon's rapidly expanding gases prior to their violent introduction into the atmosphere. This results in a highly rapid and extreme temperature rise to the exposed surfaces of the suppressor.

In testing, 20 rounds fired from a short barreled 5.56 rifle caused the suppressor's surface temperature to rise to approximately 350°F. 90 rounds caused the suppressor's surface temperature to rise to 840°F+.

Weapon transitions can result in severe burns to the shooter's legs and groin.

- Protection against unintentional contact with hot suppressors in both training and operational environments which can cause severe/critical burns as well as property damage.
- Protection against unintentional contact with teammates.
- Protection against unintentional contact with civilians during active threat incidents/mass casualty events, hostage rescues, or while taking arrestees into custody.
- Protection against unintentional contact with military/law enforcement K9s.

Mirage and Thermal Signature Attenuation

The rise of the suppressor's extreme radiant heat causes the optical phenomenon known as "mirage." Suppressor mirage causes severe distortion of the shooter's sight picture and consequently causes significant point of aim point of impact innaccuracy. The severity of the mirage is exponetially worsened when using magnified optics.

The infrared radiation from heated suppressors is highly visible when viewed through both infrared and thermal imaging devices. This can directly impede and ultimately compromise the success of a mission. The operator's sight picture can be greatly dimenished when utilizing either inrared or thermal imaging with a heated suppressor.

The superior insulating properties of the straightJacket provides the greatest thermal attenuation of a suppressor's radiant energy.



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Testimonials

1. "Modular in the sense that it is actually modular and exceptional performance in a variety of roles."
2. "The Liberty's Defense suppressor cover is the only cover I have put 5k rounds through without effecting the integrity of the cover."
3. "While stylish and unique, it has a place both in the tactical area of operation and the everyday sportsmen's environment."
4. "Ease of use, no velcro to secure or wear out. No bulky buckles to obstruct your sight alignment or sight picture."

Cody D. Groves
@codee1982, Retired US Army

"While I can't speak to the overall heat resistance of the Liberty's Defense product, I can say that the attachment style is one of the best I've ever dealt with, after testing countless suppressors and avoiding suppressor covers because they were too cumbersome to attach and remove.

It makes the cover a practical heat/mirage mitigation tool and one more likely to actually be utilized by the end user due to it's simplicity.

Not only does it allow my work to be less effected by mirage, I can remove the product and let the suppressor cool which is nearly impossible with other types of covers."

Sean Utley
Freelance writer/photographer
Project Manager, Guns & Ammo Suppressor Magazine
@sean_utley

"Liberty's Defense Suppressor Covers and mats are the only true high temp silencer covers on the market. They are the only product available that won't melt onto the silencer, even after high rates of sustained center-fire rifle. Wonderful innovative products and even better people."

Jimmy Bell
Sales at SilencerCo
Merchant at Texas Ordnance Depot
USMC Vet

"When I first received my suppressor cover I was skeptical, but once I understood how to properly tighten and secure the cable I was sold on the design."

This is hands down the best suppressor cover I have ever shot and once tightened it will NOT slip forward. Unlike other designs that rely on elastic ends or nylon 550 chord, stretching or heat fatigue are not a factor.

You can find plenty of suppressor covers that are less expensive than this one, but you can't find one that outperforms it at twice the price and you won't have to regularly replace it like you will other covers.

My father brought me up to believe that "you get what you pay for", but every now and then you get a little bit more.

This is one of those times."

Ed Aldredge
LEO SWAT Sniper

"Having had a straight jacket suppressor cover from Liberty's Defense for some time, I can say without hesitation that there's no reason not to use the cover when running my gun suppressed. It's incredibly durable even after testing 100 rounds in quick succession, but a featherweight on the end of the gun you barely notice. Oh yeah, did I mention that it stays put too? I don't think there's a more rugged and lightweight suppressor cover on the market. Period."

Eric Dolan
@gearing_mind, USMC Vet

"I have been handling firearms in a professional capacity for over fifteen years. During that time, I have utilized them in various climates, as I'm sure many other have. One constant factor that was always accounted for was adjusting my eyes to the heat mirage that has plagued me over the years. Utilizing a suppressed long gun I prepared for that mirage caused by heat within my first fifty rounds of fire. When I spoke to Chris about this, I showed him my Silencer Co suppressor wrap. In less than 100 rounds it melted onto my SilencerCo Omega 300. Chris told me with the confidence that comes from dedicated labor and hard work, he had created a solution to that problem. I've known Chris for ten years. Although we operate on different tactical units, I have always placed the highest confidence in his abilities, no matter the task at hand. When I applied the LD's wrap, I was grateful when handing him my money. I wasn't gentle in my testing. I plugged 400 rounds through the barrel and my wrap ate it up. Applying the wrap had severely mitigated the heat mirage, which enhanced my shot placement. Liberty's Defense Suppressor Wraps work, period."

Andrew Stokes
Sheriff's Office Detective, ERT Asst. Team Leader, US Army Vet



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SPECS

THERMAL RATING	3,000°F SHORT EXCURSIONS
DIAMETERS	2,000°F DIRECT and CONTINUOUS CONTACT with Suppressor
LENGTHS	1.2" to AS NEEDED
MATERIALS	4" to AS NEEDED
RETENTION	Amorphous Silica, Basalt, Aluminized Silica, Kevlar, Stainless Steel Thread
WEIGHT	Marine Grade Stainless Steel Snap Shackle and Cable
EXAMPLES	Thermal Defense Solutions Bantam 4.9oz
	Surefire SOCOM556-RC/RC2 6.1oz
	Torrent Suppressors T3/T2 6.7oz
	SilencerCo Omega 300 6.9oz
	Dead Air Armament Nomad 30 7.7oz
	Knights Armament Co M110SASS 10.7oz

