

RIMFIRE SUPPRESSOR COMPARISON GUIDE

A data-driven performance breakdown of 7 top .22 LR silencers

The Testing Reality: While a higher price tag generally secures premium materials (like 3D-printed titanium) and wider caliber versatility, **sound performance across most cans is remarkably close.** Except for two major outliers—the ultra-quiet *EchoCore Topo 22* and the tiny, purpose-built *Pluto Micro*—the decibel differences are negligible to the human ear. Your choice should focus on budget, weight, and caliber limits.

Suppressor Model	Price	Weight	Length	Max Caliber	Material	Sound Signature
EchoCore Topo 22	\$399.99	4.0 oz	5.1"	5.56 / .223	3D Ti	Best tested (Outlier)
For Systems Pluto Micro	\$399.99	1.7 oz	2.5"	5.7x28	3D Ti	Loudest by far; micro format
Gemtech GM22	\$379.99	2.5 oz	5.0"	.17 HMR	Aluminum	Solid; cleaner than Sparrow
AB Littlebird	\$349.99	2.8 oz	6.9"	5.7x28	Aluminum	Exact median of test group
SilencerCo Sparrow 22	\$329.99	5.5 oz	5.08"	5.7x28	Stainless	Loud standard can; reliable
CMMG Defcan .22lr	\$279.99	5.6 oz	5.5"	.17 HMR	SS / Alum	Mid-tier; robust build
Warrior Systems Legionary	\$189.99	3.5 oz	5.75"	.22 LR Only	Aluminum	Loudest full-sized option

Individual Field Profiles

EchoCore Topo 22

PREMIUM PICK

Price: **\$399.99** | Specs: **4.0 oz, 5.1"** | Rating: **5.56/.223**

The undisputed performance king of the group. Features 3D-printed titanium construction, massive centerfire rifle versatility, and the absolute quietest sound profile tested. Worth every penny.

For Systems Pluto Micro

SPECIALIZED

Price: **\$399.99** | Specs: **1.7 oz, 2.5"** | Rating: **5.7x28**

A 3D-printed titanium marvel engineered entirely for size and deep concealment. It is loud by a wide margin compared to full-sized options, but unmatched for micro applications where footprint is everything.

AB Littlebird

Price: **\$349.99** | Specs: **2.8 oz, 6.9"** | Rating: **5.7x28**

The longest suppressor in the lineup, but it uses that volume to hit the exact performance median of the group. Stays incredibly light on the barrel thanks to an all-aluminum body.

CMMG Defcan .22lr

Price: **\$279.99** | Specs: **5.6 oz, 5.5"** | Rating: **.17 HMR**

A heavy-duty steel and aluminum blend. Offers a modest, clean sound upgrade over the base entries, providing a solid middle ground if you want a rugged build without paying top tier.

Gemtech GM22

Price: **\$379.99** | Specs: **2.5 oz, 5.0"** | Rating: **.17 HMR**

A premium, highly reliable aluminum can that optimizes for a traditional footprint while keeping weight extremely low. Sound reduction outperforms both the Sparrow and Legionary.

SilencerCo Sparrow 22

Price: **\$329.99** | Specs: **5.5 oz, 5.08"** | Rating: **5.7x28**

A heavy, classic stainless steel workhorse with robust caliber ratings. However, its sound signature is harsh, providing modern performance numbers that are nearly identical to the much cheaper Legionary.

Warrior Systems Legionary .22

BUDGET PICK

Price: **\$189.99** | Specs: **3.5 oz, 5.75"** | Rating: **.22 LR Only**

Unbeatable entry-level price point, though limited purely to standard rimfire. It represents the loudest of the full-sized options, but functions perfectly as an affordable, dedicated trainer.



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