

David Tubb's CSsprings™

Developed by 11-time National NRA High-Power Rifle Champion, David Tubb

Flat-Wire Buffer Spring

chrome silicon buffer spring for
AR15, CAR-15, AR-10/SR-25

- AR15 Buffer Spring [standard length stocks]
- SR-25/AR-10 Buffer Spring [standard length stocks]
- CAR-15 Buffer Spring [carbine length stocks]
- SR-25/AR-10 CAR Buffer Spring [carbine length stocks]

Superior Shooting Systems Inc. • 806/323-9488 • 800 N. Second St. • Canadian, Texas 79014 USA

✓ **Delayed bolt unlocking [lower pressures]**

Increased handload velocities are possible, brass life improves.

✓ **Smoother recoil cycle [less rifle movement]**

Flawless performance with less pulse and overrun.

✓ **Consistent bolt carrier velocities [tighter groups]**

Flawless function and reduced rifle movement – sights stay on target.

✓ **Guaranteed quality and correctness [9002 Quality Control Standards]**

Precision materials and construction meet exacting design specifications.

✓ **Duty rated for 1,000,000 cycles [lasts 200 times longer than standard]**

Consistently correct function for the life of the rifle. Rifle performance never changes.

Your rifle runs on springs.

This spring is made from the highest quality Chrome Silicon alloy. Ours are the only firearms springs constructed from this superior material and held to rigid 9002 Quality Control Standards. Combined with our use of certified materials, this yields the highest quality, most consistent, and best performing springs available. CS spring manufacturing processes guarantee extremely low tolerances. This means consistency and correctness in function, and a better performing rifle.

The CS Flat Wire Buffer Spring is the next generation spring design. The CS round wire buffer spring was a significant step forward when compared to buffer springs manufactured from music wire. The CS flat wire spring provides yet another significant step forward in perfor-

mance. CS Flat Wire retains all the performance attributes embodied in our CS round wire buffer spring and then enhances them. At installed height (bolt in battery) the load on the bolt is increased by about 10% compared to our CS round wire spring. This works more energy before the bolt unlocks and provides a flatter recoil impulse. This minimizes the effect of the spring returning the bolt to battery. The CS flat wire spring requires about 6% less force to fully compress than our CS round wire spring. Less energy is bled off to the gun, resulting in reduced rifle (and sight) movement. By design, the CS flat wire spring operates with significantly lower stresses. This improves the consistency of the spring throughout its working life. Through 500,000 compression cycles, a change in spring loading of less than 2% occurs. A conventional music wire spring can change by as much as 7% the very first time it is compressed!

CS Flat Wire Buffer Spring Features

CS Flat Wire Buffer Spring

The next step in buffer spring technology! The Superior Shooting Systems Inc. CS Flat Wire buffer spring offers significant, advanced operational enhancements for the shooter who's serious about the performance of his weapon. The new CS Flat Wire retains all essential performance, consistency, and durability advantages of chrome silicon spring material and manufacturing processes found in Superior Shooting Systems Inc. CS round wire springs — but then surpasses them! In some way, all improvements stem from the fact that flat wire takes up less room than round wire — flat wire is thinner. That means there is more space for the spring to function. A CS Flat Wire buffer spring is considerably

longer than a round wire spring yet occupies, when fully compressed, only a fraction of what the conventionally engineered spring will. At installed height (bolt in battery) our CS Flat Wire buffer spring produces about 20-percent greater power compared to a stock spring, and 10-percent greater compared even to our conventional round-wire CS buffer spring. This means increased resistance to bolt unlocking, and that means competitive shooters and tactical professionals get more reliable results using heavy loads. The recoil impulse is softened, allowing the weapon's gas system to function as intended. There is less rifle movement so the sights stay on target better. Spent case condition improves, a benefit to the target shooter who handloads his ammunition.

Enhanced rifle performance

This spring ensures reliable, correct function over the life of your AR15-type rifle. Due to the superior nature of its material, CS springs have the same power as a conventionally constructed “extra power” spring, yet provide that extra energy using a lighter spring weight! Correct timing and resistance on the recoil stroke and a controlled rebound ensures reliable feeding with consistent forward thrust. With our CS Spring, the bolt will remain locked a little longer, allowing pressures more time to subside. This means getting those heavy bullets to needed velocities can be more safely and reliably accomplished. Flat wire works in the 50% compression range while conventional round wire is in the 90% range. Since the CS Flat Wire doesn't even get close to solid height (fully compressed) during rifle operation, there is a more even and

consistent range of bolt carrier velocities. This provides two previously unattainable advantages compared to conventional buffer springs. When fired in semi-automatic mode, the CS Flat Wire Buffer Spring will allow the operator to attain better shot groupings! Since the bolt carrier returns to battery at a lower velocity, there is less rifle movement, and that means less sight movement. The rifle stays on target better, quicker follow up shots are possible. Due to its extra carrier mass and often inappropriate factory spring choice out of the box, the CS Flat Wire Buffer Spring offers the AR-10/SR-25 shooter an amazing performance enhancement.

In-battery Load Increase

Standard AR15 _____	+22%
AR-10/SR-25 _____	+10.9%

Perfect consistency

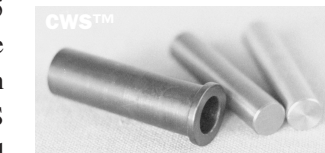
Rigid 9002 Quality Control Standards, certified materials use, and our exclusive post-winding processing guarantees correct, consistent performance. Conventional buffer springs are notorious for exhibiting wide variances. Unless you're using our CS spring, not only are you replacing springs continually, but rifle performance may be continually changing with each replacement. Standard springs are also adversely affected by temperatures as low as 175° F. Our CS Springs perform flawlessly in excess of 700°. Rifle function and accuracy are unchanged in rapid fire.

Other products

New products are always in the works! Visit us on-line at www.DavidTubb.com for product purchase and warranty information, and all the latest news and product updates.

CWS™ [“carrier weight system”]

Superior Shooting Systems Inc. CWS is sure to be of interest to serious AR15 shooters. It's a simple drop-in installation in any bolt carrier. CWS slows unlocking and reduces rearward bolt velocity. The result is better brass life, fewer “pressure problems,” and greater flexibility in attainable bullet velocities. There is also considerably less rifle movement during firing and longer parts life from a softer recoil pulse. And it's adjustable! Additional weight elements are included. CWS has proven to improve rifle function — no worries over extraction or feeding failures.



www.DavidTubb.com