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PROOF Research Announces CAMGAS™ Barrel Design for AR-10® Variants

*Caliber Matched Gas System™ offers improved performance and reliability for 6.5mm
and .260*

Columbia Falls, Montana - With the release of its new patent-pending Caliber Matched Gas System (CAMGAS) barrels, PROOF Research has eliminated the issues traditionally associated with building 6.5mm and .260 rifles on 308AR/AR-10 platforms. Until now, AR-variant shooters looking for ballistic advantages from either of these calibers were faced with excessive bore pressures that necessitated makeshift solutions such as clipping buffer springs, adjusting buffer weights, and/or relying on adjustable gas blocks, to keep their rifles functioning properly.

PROOF's R&D team has solved the overpressure issue with gas systems tuned specifically to the cartridge/barrel-length combination. "By moving the gas port, the pressure in the bore is given time to reduce to that comparable of a .308 Winchester with a rifle-length gas system, which is what the 308AR/AR-10 system was designed around," said Greg Hamilton, PROOF's research-and-development weapons specialist who's also a 3-Gun and PRS competitive shooter. "The recoil impulse is noticeably smoother, which helps keep you on target while taking advantage of a more efficient projectile. Case extraction is also easier, with less case-head smearing, so the brass is in much better condition for reloading."

In recent years, 6.5mm Creedmoor and .260 Remington have become increasingly popular in long-range shooting competitions. The .260 in particular represents an outstanding caliber for a military counter-sniper role—out to roughly 1,000 meters—in smaller- to mid-sized weapon systems. It offers exceptional accuracy and superior ballistics over the ubiquitous .308 while dishing out substantially less recoil and enough energy to make it a legitimate contender for military and law enforcement applications.

"I've been using prototype CAMGAS barrels, in both .260 and 6.5 Creedmoor, in competition for almost a year with excellent results," Hamilton explained. "Both rifles ran flawlessly through high-round, fast-cadence stages, firing hundreds of rounds with 100 percent reliability and zero maintenance or cleaning. From recoil to reliability, every aspect of performance was improved compared to the typical un-tuned barrel."

PROOF Research currently offers Caliber Matched Gas System barrels chambered for 6.5mm Creedmoor and .260 Remington in three separate lengths: 20, 22, and 24 inches. Every CAMGAS barrel comes standard with an easy to install custom-length gas tube. To learn more about customizing your larger-frame AR with a smoother-shooting PROOF Caliber Matched Gas System barrel, visit proofresearch.com or contact PROOF Research at info@proofresearch.com or (406) 756-9290.

About PROOF Research, Inc.

PROOF Research is a science-driven defense/aerospace company, based in Northwest Montana, committed to developing next-generation materials and composites to produce carbon fiber barrels and weapons systems that lighten warfighter load while increasing durability and effectiveness. PROOF Research's goal is to make reduced weight, unsurpassed durability, and match-grade accuracy a reality for all of its customers.

Headquartered in Columbia Falls, Montana, PROOF Research maintains sales and manufacturing centers in Montana and Dayton, Ohio. For more information, please visit the company's website at www.proofresearch.com.

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