

## F-CLASS RIFLE SHOOTING

### Discipline Description

F-Class is a long-range prone rifle discipline centered on precision, consistency, and wind reading. It evolved from traditional High Power and Fullbore shooting, with the goal of extracting the highest possible scores at extended known distances.

All firing is done from the prone position. Shooters use either a front rest or bipod with a rear bag, depending on division. There is no positional movement or rapid fire. Every shot is deliberate, but time management still matters.

F-Class rewards shooters who understand ballistics, recoil management, and wind behavior across the entire flight path of the bullet. Equipment matters, but execution and decision-making decide matches.

### COURSE OF FIRE

F-Class is fired at known distances, entirely from the prone position.

Common distances include:

Mid-Range. 300, 500, or 600 yards

Long Range. 800, 900, and 1,000 yards

A typical string consists of:

2 sighters, 2 convertible sighters or ultimate sighters

15 or 20 shots for record

Time limits generally between 20 and 30 minutes

Targets may be pit-operated paper targets or electronic targets depending on the range. All shots are scored on concentric ring targets with a very small X-ring.

There is no rapid fire. Running out of time results in lost points.

### F-CLASS DIVISIONS

F-Class competition consists of multiple rifle categories. Each division defines rifle configuration, support equipment, and ammunition limits. Shooters should consult the current rulebook for full technical specifications.

#### F-Open (F-O)

F-Open is the most equipment-open F-Class division.

Any caliber up to .35 is permitted. Rifles may be single-shot or magazine-fed. Maximum rifle weight is 22 pounds including optics.

Front rests or bipods are permitted, along with a rear bag. Most competitors use heavy barrels, optimized stocks, and high-BC bullets to manage recoil and wind drift.

#### F-Target Rifle (F-TR)

F-TR emphasizes fundamentals within a restricted equipment envelope.

Calibers are limited to .223 Remington / 5.56×45 NATO or .308 Winchester / 7.62 NATO.

Maximum rifle weight is 18.18 pounds including optics.

Rifles are fired from a bipod and rear bag. Front rests are not permitted.

#### F-Production (F-P)

F-Production provides a factory-rifle entry point into F-Class.

Rifles must be factory production, single-shot or magazine-fed, bolt-action centerfire rifles with a maximum bore diameter of .308 caliber / 7.62 mm. Manufacturer's suggested retail price may not exceed \$3,000. Custom rifles are not permitted.

Rifles are fired from a Harris-style bipod and standard rear bag. Suppressors are permitted.

#### F-Class Precision Any Rifle (F-Any)

F-Any allows expanded rifle designs while maintaining caliber limits.

Any single-shot or magazine-fed rifle is permitted, including bolt-action or gas-operated rifles, with a maximum bore diameter of .308 caliber / 7.62 mm. Custom rifles are permitted.

Rifles are fired from a Harris-style bipod and standard rear bag. Suppressors are permitted.

#### F-Class Limited Rifle (F-Limited)

F-Limited applies ammunition limits rather than rifle limits.

Rifles may be standard F-Open or F-TR configurations. Ammunition is restricted to one of the following:

.223 Remington / 5.56×45 NATO with a maximum bullet weight of 92 grains

.308 Winchester / 7.62 NATO with a maximum bullet weight of 156 grains

This category is provisional and subject to ongoing review.

### EQUIPMENT OVERVIEW

#### RIFLE

F-Class rifles range from factory production rifles to purpose-built competition platforms.

Consistency, recoil control, and tracking matter more than raw speed.

#### OPTICS

High-magnification scopes with precise, repeatable adjustments are essential. Most competitors run magnifications between 25x and 60x depending on conditions.

#### FRONT SUPPORT

Front rests are common in F-Open

Bipods are required in F-TR, F-Production, and F-Any

#### REAR BAG

A stable rear bag is critical for recoil management and repeatability.

#### AMMUNITION

Handloading is standard practice. Shooters tune loads for low vertical spread and predictable performance across changing conditions.

#### WIND READING

Wind flags, mirage, and environmental observation are integral. F-Class success is inseparable from understanding wind.

#### TARGETS AND SCORING

F-Class targets are unforgiving.

At 1,000 yards:

X-ring. 5 inches

10-ring. 10 inches

Minor wind errors show immediately. Precision is measured honestly.

### CLASSIFICATION

Most F-Class competitions use a classification system to group shooters by demonstrated performance. Common classes include High Master, Master, Expert, Sharpshooter, and Marksman.

Classification allows fair competition while recognizing top-level performance.

#### REDUCED-DISTANCE F-CLASS

Reduced-distance F-Class uses scaled targets at shorter ranges to replicate full-distance difficulty.

This allows clubs without long-range facilities to host matches and provides a practical environment for training and development.

#### WHY F-CLASS

F-Class strips shooting down to its core.

Prone position. Known distance. One shot at a time.

Wind calls are honest. Equipment choices show up on target. Fundamentals either hold or they do not.

For shooters who want a discipline that rewards patience, discipline, and precision, F-Class delivers.