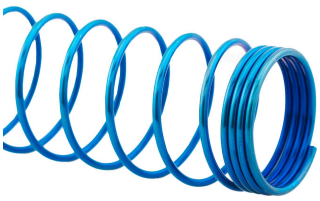
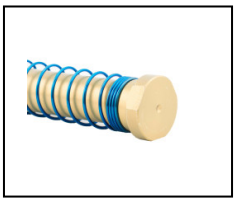
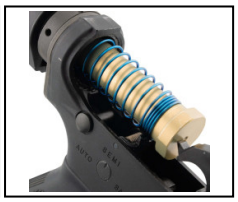
Waldo Dynamics Ion VFC M4/416 recoil spring

https://europarm.fr/en/produit-21999-Waldo-Dynamics-Ion-VFC-M4-416-recoil-spring







NEW

SKU	Designation	French Law	Colors	MSRP
A61352	Waldo Dynamics Ion VFC M4/416 recoil spring	Vente libre	Blue	27.00 € incl. tax

An 85% recoil spring to gain gas efficiency while maintaining a responsive cycle.

The **Ion Waldo Dynamics VFC M4/416 recoil spring** features an **85%** spring rate to improve gas efficiency, especially in cold weather. Its reduced tension promotes a smoother cycle while maintaining dynamic response over a wide temperature range.

- **Brand: Waldo Dynamics**
- **Range: Ion**
- **Type:** Recoil spring for GBBR
- **Tare weight:** 85%
- **Use:** optimization in cold weather and improved gas efficiency
- **Finish:** blue coating to reduce friction
- **Compatibility:** VFC 416 GBBR
- **Compatibility:** VFC M4 GBBR
- **Compatibility:** other WA system derivatives compatible
- **Recoil buffer:** not included
- **Mounting direction:** the end with the most turns faces the buffer

An 85% calibration suitable for low temperatures

The **Ion Waldo Dynamics VFC M4/416 recoil spring** was developed for **GBBR** users who want to maintain responsive operation when temperatures drop. Its **85%** spring rate reduces resistance encountered during the cycle compared to a stiffer standard spring.

This reduced voltage allows the system to operate with less energy. In practice, this helps improve **gas efficiency** and cycle consistency when cold weather starts to negatively impact the performance of a gas-powered replica.

Gas efficiency without sacrificing responsiveness

Lightening a recoil spring isn't simply about finding the lowest possible spring rate. **Waldo Dynamics** opted for 85% of its original power to strike a balance between **gas consumption** , mechanical smoothness, and recoil feel.

The movement thus remains crisp and dynamic. This is particularly advantageous on a GBBR platform: the lively character of the mechanism is preserved while requiring less energy from the system to complete its full cycle.

Designed for winter, usable over a wide temperature range

Its Winter designation clearly reflects its intended use, but it's not limited to snowy conditions. The spring is designed to improve the performance of a **VFC M4 or 416 GBBR** when temperatures drop, while maintaining reliable cycling when conditions become milder.

For players who use their replica year-round, this avoids having to reserve this configuration only for particularly cold days. The intermediate setting remains focused on efficiency while maintaining responsive action.

Blue coating for a smoother cycle

The distinctive blue finish serves two purposes. First, it allows for quick identification of the **85% Ion spring** among various parts in a workshop or maintenance box.

The coating is also designed to **reduce friction** during the spring's movement. This makes the cycle smoother, a particularly important detail when the goal is precisely to minimize mechanical resistance and make the best use of available energy.

Compatible with VFC M4, 416 and WA derivatives

This part is designed for the **VFC M4 GBBR** and **VFC 416 GBBR** . The manufacturer also indicates compatibility with other platforms derived from the **Western Arms** system using a corresponding architecture.

The **recoil buffer** is not included with the spring. One assembly detail is also worth noting: the end with the most coils must be positioned on the side receiving the buffer, as shown in the Waldo Dynamics instructions.

A simple optimization for a GBBR used in winter

When the temperature drops, every gain in efficiency counts for a gas-powered replica. Modifying the recoil spring tension allows you to directly influence the energy required to move the moving parts without significantly altering the platform.

The **Ion Winter Recoil Spring** is therefore suitable for both configurations specifically prepared for winter and users simply looking for a smoother cycle and better **gas efficiency** on their compatible GBBR.

FAQ

Why use an 85% recoil spring on a GBBR?

An **85%** spring reduces the tension required to cycle the replica. This feature helps improve **gas efficiency** and facilitates GBBR operation in low temperatures.

Can the Ion Winter spring be used when it is not cold?

Yes. Although it is particularly suited to winter conditions, **Waldo Dynamics** designed it to maintain a responsive and reliable cycle over a wider temperature range.

Which way should the Waldo Dynamics recoil spring be installed?

The end of the spring with **the most coils** should be placed on the side with the recoil buffer. The buffer is not supplied with the spring.

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