



TECHNOLOGY IN MOTION

## The unique system MACO Espags MKV sets standards



# A unique system for exceptional design, comfort and flexibility

**MACO Espags MKV** is our fifth generation of espagolettes, with which we have been setting standards for decades. It is a unique innovative product that combines years of experience into one platform that stands for quality, ease of use, and security. Each MKV solution is suitable for PVCu, Aluminium and Timber outward opening windows, simply choose the MKV variant that is right for you.



## Benefits for fabricators

### 01 Efficient installation

Simply better: each espagnolette solution can be installed quickly and efficiently.

### 02 Technically advanced

For every type of window construction and from a single source: our espagolettes are tested to exceed PAS 24 requirements under all conditions.

### 03 Compact system

One basis for all solutions: fewer individual elements for more space in the warehouse and faster production.

## Benefits for consumers

### 01 Smooth operation

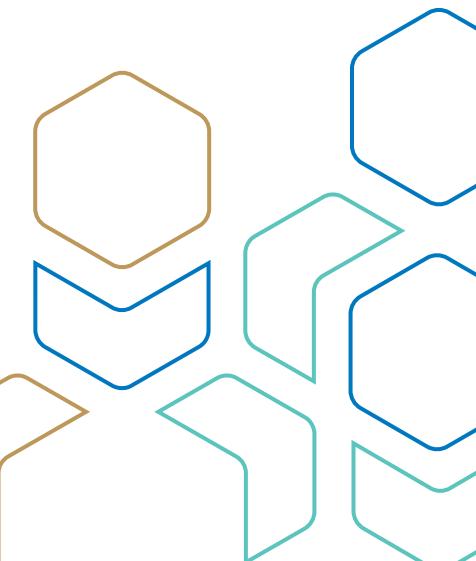
Made for everyday use: windows that remain just as dependable and smooth to operate after years of use as they were on day one.

### 02 Better quality

Sets standards: Designed with security at the heart and tested beyond industry standards for longevity and performance.

### 03 Secure Plus

Guaranteed against forced entry: simply register with MACO Secure Plus.



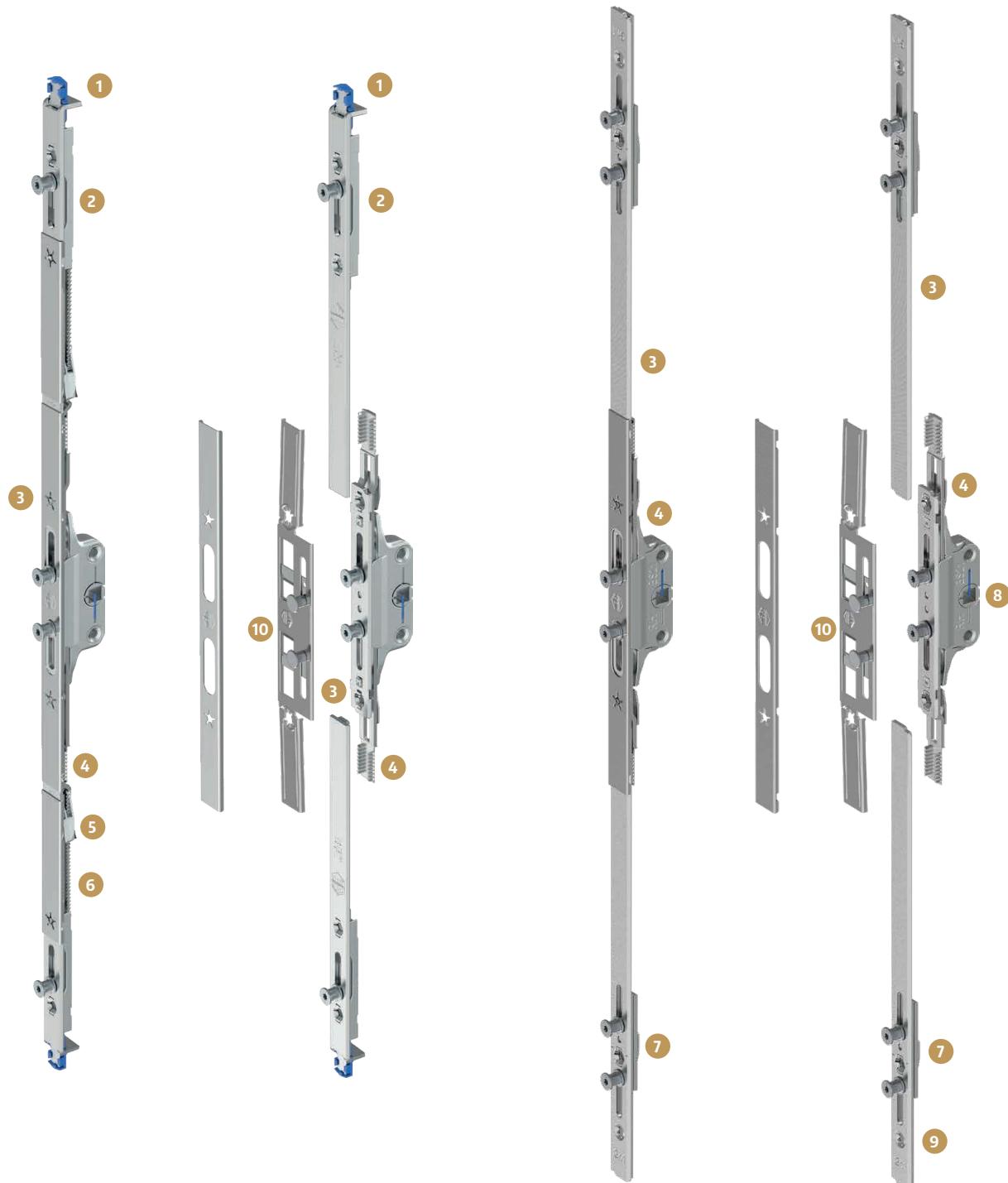
# One MKV Espags platform Multiple fabrication methods

1 Telescopic

2 Croppable

3 RAIL

4 RAIL croppable





1 2

### Easy-to-adjust shootbolt

End caps allow for easy shootbolt throw adjustment – simply remove after the first operation.



1

### Telescopic design

Suitable for all window types – ensures crop-free production.



1 2

### Security support guides

Provides extra support for the shootbolt in the Eurogroove – for enhanced security.



3 4

### Bidirectional locking points

For enhanced burglary protection – locking points remain engaged during an attempted break-in.



1 2 3 4

### Easy to fit quickly, all screws on one face

Less screws, all on one plane – ensures fast and efficient assembly.



1 2 3 4

### Innovative universal backset gearbox

Two versions, multiple backsets – the universal lockcase makes it possible.



1 2 3 4

### Suitable for all Eurogroove styles

MKV always fits – regardless of the Eurogroove depth.



4

### End-to-end security

Regardless of the size – the locking points always remain within 100mm of the corners.



1

### Eurogroove twist lock

Unique twist feature – for smooth and efficient adjustment to size and installation.



2 4

### Unique twin cam solution

for flush sash windows – used with all croppable solutions.



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## A Unique Opportunity One lockcase, one platform

Achieve unique advantages in speed and comfort during fabrication with the high security standards you have come to expect from MACO. Developed directly with fabricators and installers, the MKV delivers market-leading security, quality and user benefits.

### 1 Adjustable mushroom cams

1. Greater levels of adjustment for smoother operation.
2. Star Key T15 adjustment for intuitive adjustment.
3. Innovative manufacturing process produces a stronger mushroom cam.

### 2 Smaller lockcase design

1. Minimises machining time.
2. Achieve maximum sash strength due to a reduction of material removed from the sash.
3. Reduces the depth of machining within the sash.

### 3 Unique design spindle follower

Designed to pivot for smooth operation when the handle is fixed.

### 4 Lockcase centring pins

Unique central lockcase pin is removed upon installation of the handle. The pin also holds the spindle within the lockcase to assist with the fixing of the handle.

### 5 Backset options

Two backsets, 21mm and 24mm, allow for a flexible assembly process giving six variations from 20-25mm.

## Special properties

### What you can expect from us

#### MACO Espags MKV telescopic

Our **MKV telescopic shootbolt espagnolette** is revolutionising the production of windows. The telescopic design means it can be conveniently adjusted to the sash length without the need for cropping. Ideal for high volume, semi-automated production lines.

#### MACO Espags MKV croppable

**MKV croppable** shootbolt espagnolette is designed for a wider variety of window styles and greater flexibility in production. Cropping to length enables smaller sash sizes, low handle height, French windows and variations for flush sash windows to be manufactured.

#### MACO Espags MKV RAIL

**MKV RAIL** builds on the tradition of the original MACO RAIL espagnolette. The fully assembled bi-directional locking solution enables the production of fast and easy-to-assemble security windows.

#### MACO Espags MKV RAIL croppable

**MKV RAIL croppable** is the only croppable RAIL espagnolette ensuring security performance as the bi-directional locking points are always located in the corners. Ideal for flexible production with reduced stock holding, to enable the manufacture of a wide range of window styles such as low handle height and flush sash windows.

## Information, solutions, advice

### MACO is here for you

Find out more about MACO Espags MKV at [www.maco.eu/mkv](http://www.maco.eu/mkv) and download additional documentation, installation instructions and certificates. Contact us for personalised advice – we look forward to helping you.

**MACO near you:**

[www.maco.eu/contact](http://www.maco.eu/contact)



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