

TECHNOLOGY IN MOTION



**MACO
ESPAGS**
ESPAGNOLETTES



The M-SPAG telescopic espagnolette - a secure solution in one single telescopic design

M-SPAG TELESCOPIC
ESPAGNOLETTE



**MACO
ESPAGS**



Introducing the M-SPAG telescopic casement espagnolette.

Jack told us all about his daily working life, he explained all about the things that can go wrong, the things that make his working life more challenging and the little things that can make his life easier.

We know that Jack is a craftsman, he has been fabricating windows for many years we can see he takes pride in his work and wants to ensure that the products he fits will last a lifetime.

That's why here at MACO we talked to Jack and many more fabricators just like him. We listened to what they had to say before presenting our findings to our research and development teams in the UK and in Salzburg, Austria. As a direct result of this valuable information we have been able to design and create the M-SPAG telescopic shootbolt espagnolette.



**MACO M-SPAG telescopic shootbolt espagnolette
a new dawn of innovative fittings.**

M - MACO
S - Security
P - Performance
A - Adaptability
G - Gear

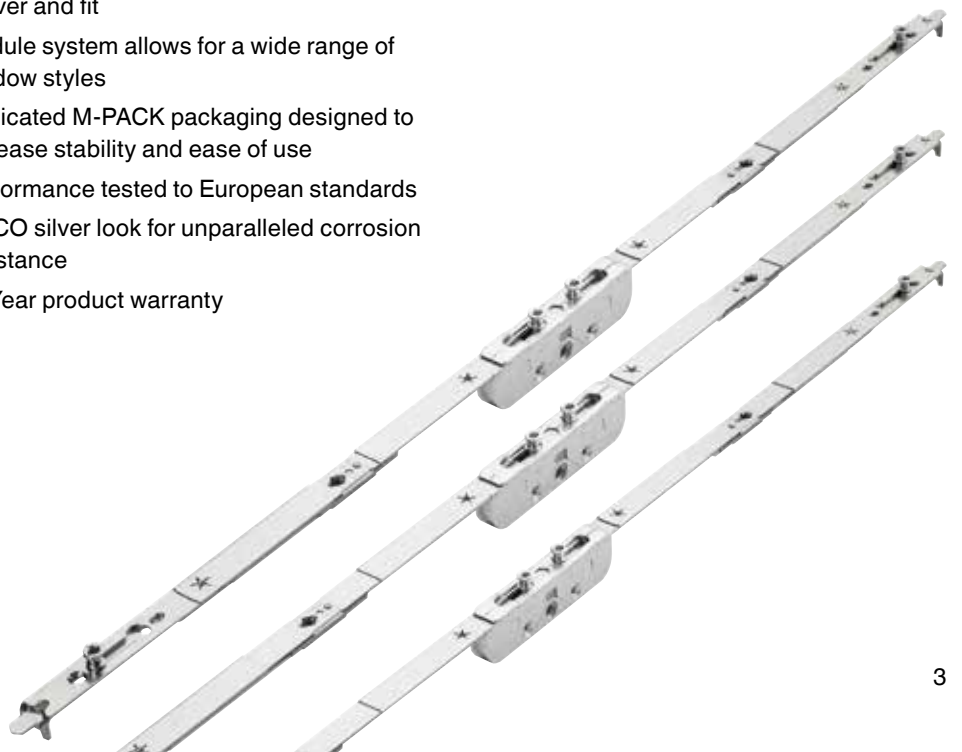


Features of new M-SPAG telescopic espagnolette



The M-SPAG combines all the features of our existing shootbolt espagnolette range in one new product, and is still manufactured using the highest Austrian engineering standards.

- Unique, flexible patented design, with telescopic shootbolt arms
- Single, 'rapid-fit' design for easy installation
- Maximum security exceeding current required standards
- Streamlined system is efficient to store, deliver and fit
- Module system allows for a wide range of window styles
- Dedicated M-PACK packaging designed to increase stability and ease of use
- Performance tested to European standards
- MACO silver look for unparalleled corrosion resistance
- 10 Year product warranty
- Approved under the MACO Secure Plus guarantee scheme
- Designed for UK casement windows, manufactured to the highest technical standards in Austria





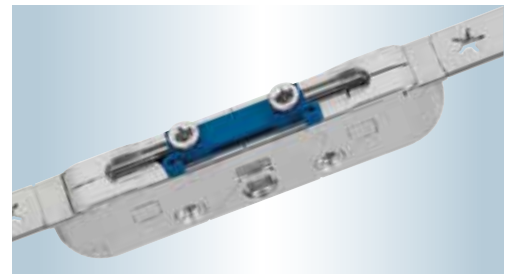
The MACO M-SPAG telescopic shootbolt espagnolette



Telescopic shootbolt espagnolette, with a wide range of easy to operate window styles from a single high security locking system!

Rapid-fit patented shootbolt security locking system

- All screw fixings on one face
- Steel end shootbolts maximise the security performance
- Adjustable throw shootbolts
- Central and end mushroom cams
- Compression adjustment mushroom cams
- Uses the same central lockcase as the RAIL espagnolette
- Stabilizing plates can be fitted to the end pieces for further increased security performance
- Reduced stock holding through four telescopic sizes and one croppable size, covering an application range of 320 mm up to 1500 mm





Flexibility in design



Flexible modular design allows many possibilities of window style

The module design allows extension pieces to be fitted to:

- Increase the sash rebate size so that larger sized windows can be produced
- Position the handle off-centre for low handle height easy reach window construction
- French casement windows can be made as standard with M-SPAG
- Increase the number of striker plates for higher performance levels





Redefining the manufacture and security



The MACO M-SPAG telescopic shootbolt espagnolette is setting new standards for fabrication, performance and security of casement windows

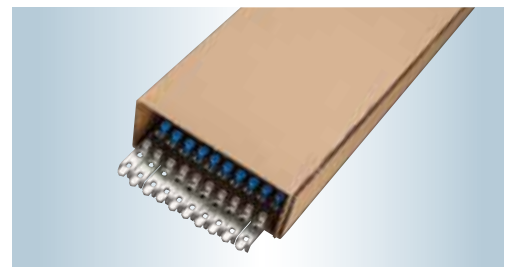
- The M-SPAG steel telescopic mechanism doubles the amount of adjustment
- M-SPAG has specially designed steel covers that self-adjust giving better optics through a flat design
- M-SPAG is suitable for use with all existing MACO mushroom, shootbolt and combi striker plates
- Reduced assembly errors through the telescopic design of the M-SPAG shootbolt espagnolette
- Suitable for application on all framing materials that have a eurogroove with a minimum depth of 5 mm
- PAS24-2012 security tested
- Endurance tested to Grade 5, 25,000 cycles EN 13126 Part 4
- MACO silver look surface treatment tested to 480 hours Class 5 EN 1670 corrosion resistance



The whole package - new packaging, the M-PACK



- Dedicated M-PACK packaging has been designed specifically for increased stability and ease of use
- Tear off strip within the packaging introduced to make it easier to remove the M-SPAG from the box
- QR Codes printed on every M-PACK box with direct access to further information
- Branding plates available for bespoke branding of the M-SPAG with customers logo or text



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