

TECHNOLOGY IN MOTION



The Next Generation of
Window Fittings

MACO
ESPAGS
ESPAGNOLETES

MACH 3
SHOOTBOLT ESPAGNOLETTE

**MACO
ESPAGS**



Do you Have a Need for Speed?

The MACO Mach 3 shootbolt espagnolette is set to revolutionise the way you manufacture windows. Modern manufacturing techniques have reduced the time it takes to cut, weld and clean the window sash, but the hardware has not evolved... MACO Mach 3 is set to change all that.

Mach 3 is a truly telescopic shootbolt espagnolette that is suitable for use with all eurogrooved profile systems. Simply locate Mach 3 into the sash and screw fix it in place. There is no need for extensions or connecting plates and with all the screw fixings along the opening edge there is no need to turn the sash when installing Mach 3.

Mach 3 from MACO will make you look at the way you manufacture your windows.



MACO-MACH 3 – Pure Performance!



Speed Up Your Fabrication with Mach 3 from MACO



Mach 3 Shootbolt Espagnolette Features

- Rapid-Fit shootbolt system.
- Single piece telescopic design.
- All screw fixings on one face.
- Reduced screw fixings.
- Central mushroom cams.
- Compression adjustable mushroom cams.
- Adjustable throw shootbolts.
- Croppable version available for low handle height requirements.
- Uses the same lockcase as the RAIL espag.
- No new striker plates are required.
- MACO silver chromate to 360 hours corrosion resistance.
- Reduced number of components need to be ordered and stocked.
- Suitable for all eurogroove applications.
- Enables the sash and frame to be geared independently.
- Improves factory efficiency.
- Exceeds BS7950 security requirements.

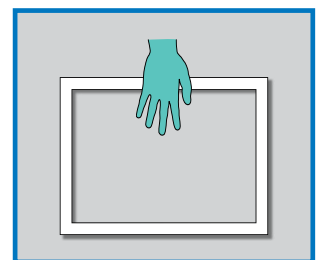


Fabrication efficiency that you could only dream about



Manual Screw Fixing

Shootbolt Style	Typical Fitting Time	Sashes per Hour	Sashes per Shift
Mach 3	36 seconds	100	800
Mach II	61 seconds	59	472
Mk1	198 seconds	18	145



Time trials have shown that the assembly time required to install the Mach 3 shootbolt espagnolette is greatly reduced compared to both older crop to size and non crop design shootbolt espagnolettes, in fact Mach 3 is nearly as quick to install as an Inline espagnolette.

With this dramatic reduction in the installation time you will be able to install more shootbolts per person per shift, giving your production additional flexibility that was not previously possible.

Modern manufacturing machines have reduced the time required to cut, machine, weld and clean PVC-U windows but the installation of the fittings has not progressed until now.

To install a Mach 3 shootbolt simply follow the following steps:

- Insert the Mach 3 shootbolt into the sash
- Push the ends into the corners
- Screw fix into position

Due to the unique and patent applied for design of the Mach 3 all of the screw fixings are along the opening edge. During installation you no longer have to turn the window to insert the end screw fixings. Being of a single piece construction you no longer need to insert extension pieces and connect them with a cover plate, further speeding fabrication.

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Be Safe and Secure with Mach 3 from MACO



Speed of fabrication does not stop with the installation of the shootbolt espagnolette. The installation time can be further reduced with the fitting of the striker plates. Mach 3 uses the same MACO mushroom and shootbolt striker plates that locate into the corners and centre of the window frame.

without the need for the sash to be hung first. This ensures fast fabrication and reduces the time required to fix the striker plates into position especially on smaller windows when it is difficult to get into the frame rebate when the sash has been hung.

A jig is available for the easy location of the central mushroom striker plate. This enables the striker plate to be installed onto the frame

A croppable version of the Mach 3 shootbolt espagnolette is available for offset handle heights and smaller sash rebate sizes.

Reduced Stock Holding

MACO-Mach 3 enables you to reduce your stock holding and save valuable storage space as you no longer have to stock the individual component parts.

With less stock items it is easier to ensure that the assembly benches remain fully stocked, which allows the fast fitting of the Mach 3, all day long.

Further time and savings are made within your order processing as less components need to be purchased.



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