

## MACO MULTI TREND INVISIBLE TILT & TURN GEAR

The demand for partially or fully concealed fittings has increased in recent years. The reasons may be versatile and differ completely from customer to customer, Nonetheless the number one reason remains; aesthetics. INVISIBLE is not only the logical answer to meet these demands, but simply the ideal solution for beautiful windows: The fully concealed second generation fittings in the MACO MULTI segment.



### INVISIBLE - An overview of the advantages:

- Can be used with the existing Maco Multi-Trend & Maco Multi - Matic central locking system.
- Increased burglar resistant security in the hinge area.
- Prevents thermal bridges.
- Perfect impermeability.
- No cover caps necessary
- Lateral adjustment of stay hinges and pivot posts without loosening screws.
- Three-dimensional adjustments of the pivot post.
- Integrated adjustment of the opening angle (90 or 95deg)
- Designed for 9mm and 13mm fitting axis.

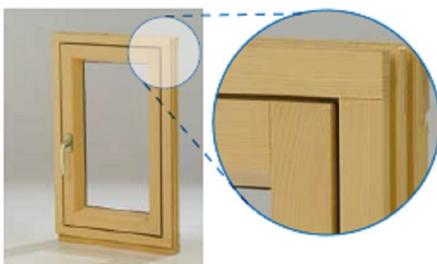


With **INVISIBLE** fittings, the sash turns only fractionally to the outside. And with this, the required frame space is reduced to a minimum.

Plenty of space is left to fix operation mechanisms for blinds and roller shutters as well as for pleated blinds and curtains.

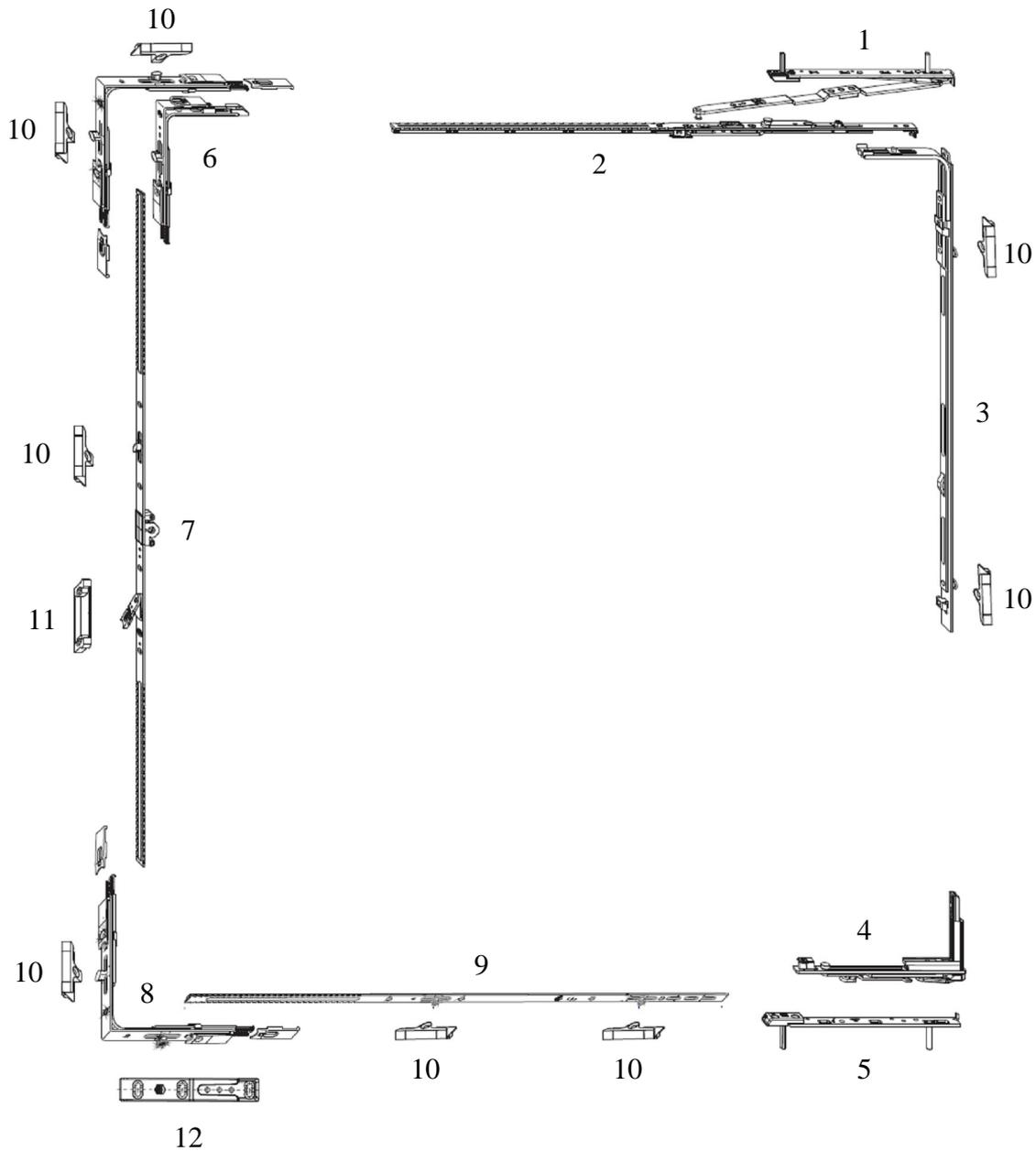
### Optimised Opening Range

- Opening angles of 90 and 95 degrees: The straightforward opening range Conversion is already integrated in the pivot rest.
- By moving the sash away from the reveal. A sash opening of 95 degrees is made possible. With this, an aesthetically more beautiful field of vision through the window is enabled.



The fittings are located fully concealed in the rebate area. Ensuring that it does not come into contact with the warmer ambient air and with the effectively prevents thermal bridges





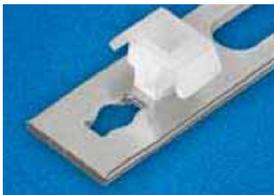
MACO INVISIBLE TILT & TURN GEAR

- 1 - Scissor Stay Hinge VV
- 2 - Stay Guide VV
- 3 - Centre Lock IS.
- 4 - Bottom Hinge Corner Support VV
- 5 - Bottom Corner Hinge
- 6 - Top Corner Element
- 7 - Drive Gear
- 8 - Bottom Tilt Corner IS
- 9 - Centre Lock
- 10 - Standard Keeper (Profile Specific)
- 11 - Sash Lifter Keeper (Profile Specific)
- 12 - Bottom Tilt Keeper (Profile Specific)

**Maco Invisible Tilt & Turn Gear to suit many PVC-u, Timber & Aluminium Profiles Please Contact us with your requirements**

## MACO TREND FACE FIX TILT & TURN GEAR

Tilt and turn window gear (tilt before turn) for windows up to 1300mm wide and 2350mm high and sash weights up to **80kg**. Maco Multi Trend Invisible is open in only, has tilt mode position for ventilation and a turn mode for cleaning. An enhanced security version is available to comply with BS7950.



### Fast

You want efficient fabrication..

- Not only of the sash assembly but also the frame
- By using standard range of window fittings.



### Functional

You want functional windows..

- That are both attractive and easy to operate.
- That can be upgraded by adding a few additional parts.
- That will make your windows stand out from the rest.
- That are manufactured from one basic group of fittings.



### Features and Benefits

- Anti Slam Device
- Three dimensional hinge adjustment
- Adjustable sash lifter prevents sash drop.
- Enhanced security version available
- Fits smaller mullion profiles.

### Size Capacity

Sash Widths 395-1310mm  
Sash Heights 500-2350mm  
For sizes close to these limits please contact our sales office

### Weight Capacity

Maximum sash weight - 80kg



### Secure

You want secure windows..

- That are easy to operate.
- That do not need subsequent adjustment.
- From a single fittings programme with a minimum stock of components.



### Compatible

You want just one fittings system..

- That enables the fabrication of many different window styles with fewer special components.
- That is reliable in use resulting in longer lasting windows for your customers.

### Tricoat Finish Available on all Maco Products

MACO TRICOAT surface provides outstanding features for use in regions with high saline air and in regions affected by increased chemical attacks.

It has achieved the highest performance level when salt-spray-fog tested in accordance with DIN 50021-SS.

Furthermore MACO TRICOAT provides high resistance against chemical attacks from acids and alkaline solutions. The top and bottom hinges are coated using a special powder coating procedure. The finely structured surface is extremely resistant to corrosion and scratching and repels water and dirt.

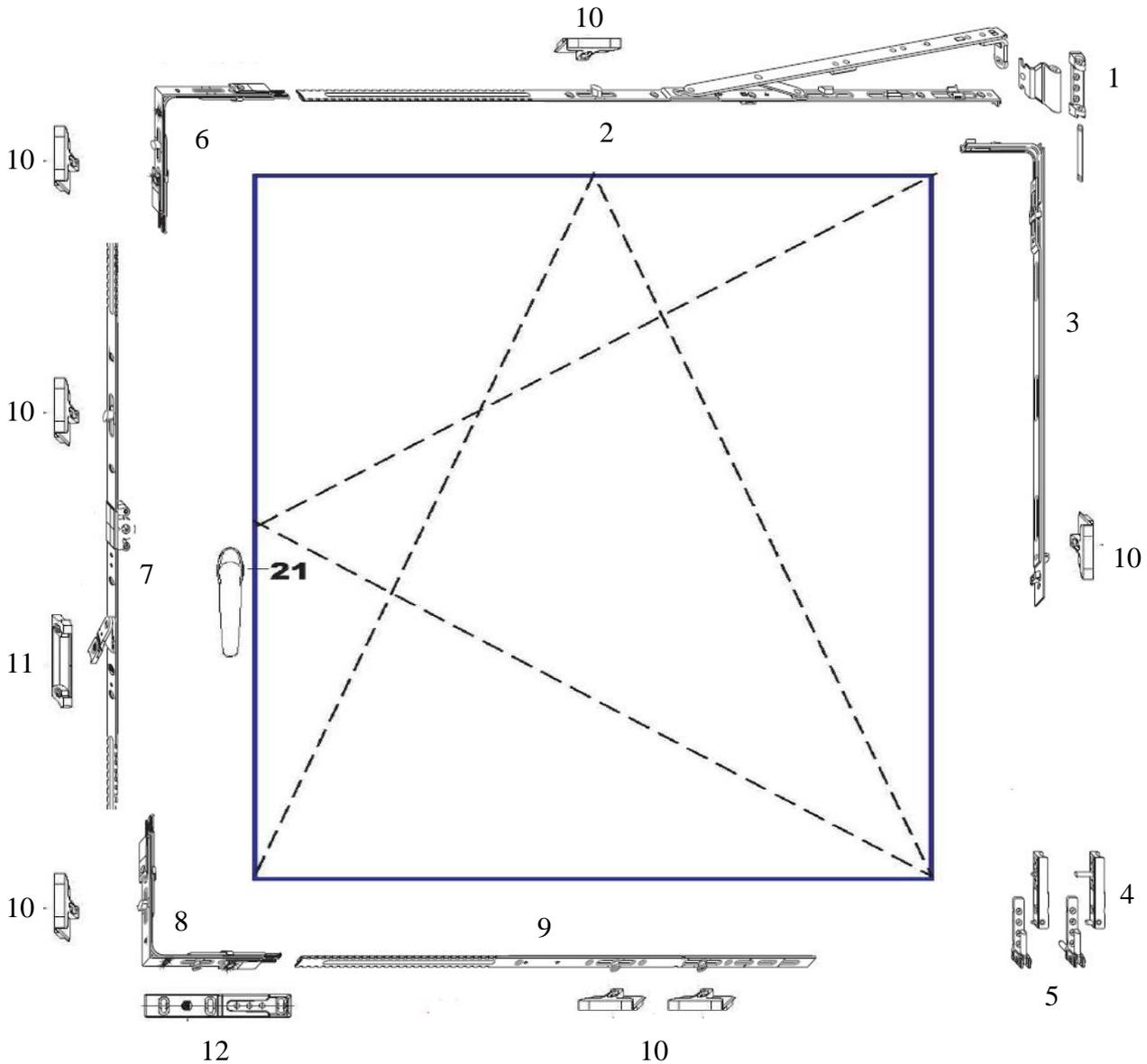
The MACO performance when salt-spray-fog tested to DIN 50021-SS.

600 hours with a proportion of max.

5% white rust

1,000 hours with a proportion of max 5% red rust

**Please contact our sales office for technical information.**



MACO FACE FIX TILT & TURN GEAR

- |                                      |  |
|--------------------------------------|--|
| 1 - Scissor Stay Hinge (Frame Part). | 10 - Standard Keeper (Profile Specific)    |
| 2 - Rebated Scissor Stay Guide.      | 11 - Sash Lifter Keeper (Profile Specific) |
| 3 - Centre Lock IS.                  | 12 - Bottom Tilt Keeper (Profile Specific) |
| 4 - Bottom Corner Hinge              |  |
| 5 - Bottom Corner Pivot Post         |  |
| 6 - Top Corner Element               |  |
| 7 - Drive Gear                       |  |
| 8 - Bottom Tilt Corner IS            |  |
| 9 - Centre Lock                      |  |

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