

METALFORM

MASTERS OF METAL

**BV 75 Inward and Outward Opening Doors and
Windows | Tilt and Turn | in Brass OT67**

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Supply and installation of doors, windows, and facades, in fixed and openable sashes, for inward and outward opening doors and windows, built with thermal break profiles Secco Sistemi BV 75.

The frame sections are constructed by seamlessly joining two metal shells (one whole and one external) with extruded polyamide filled with fiberglass and joined to the parts by high-density polyurethane resin. The metal shells are obtained by cold-rolling profiling strips of Copper alloy OT67 (Cu67/Zn33) with thickness 15/10, in accordance with the EN1652:1999 standard.

The folding unit must be kept open so that the stainless steel alignment brackets can be inserted, even in the case of continuous surface welding. The assembly of the frames is carried out by welding the internal surfaces (which can't be viewed) with the insertion of internal stainless steel reinforcement brackets and eventual brazing of the parts which are visible.

The system provides for the internal and external overlapping of the profiles and the following minimally visible sections:

- Fixed side node measuring 27 mm
- Side sash node measuring 47 mm
- Central node for the two wings measuring 62 mm

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- Mandatory depth of 77 mm.

The frames have the following options:

All the nodes, both fixed and openable, starting from 62mm and identical to each other, making the fixed parts indistinguishable from the openable parts, enabling the windows to be coplanar to each other.

Distinct nodes for fixed and openable parts, minimizing their dimensions as much as possible, with the option of inserting (or not inserting) coplanar glass between them.

The external part of the sash profile is beveled at an angle like the glazing bead, giving depth to the external elevation of the window/door and placing the glass in axis with the sash section.

Water, air, and wind sealing system:

- For inward opening windows: triple mortise gasket (two sealing levels, one of which is open-joint).
- For outward opening windows and doors: double mortise gasket (one level of closed joint gasket).
- Mobile sill for floors for doors.
- A sufficient number of Corten steel screw-on water drains are provided in the windows.

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The frames are complete with glass, fixed with glazing beads in Brass OT67, spaced from the external surfaces by means of EPDM or silicone gaskets, and from the internal surfaces by means of pressure-inserted EPDM gaskets.

Windows and doors, when there is no tilting sash, are equipped with hinges to be screwed on, hot burnished stainless steel adjustable and available with two wings (Ø12 mm for capacities up to 50 kg per sash) or with three wings (Ø15 mm for capacities up to 100 kg per sash).

Options for window opening:

- Tilt & Turn/sash window opening with concealed hinges (130 kg load-bearing capacity) and outer hardware with an appropriate number of locking points depending on the sash size.
- Internal bolt locking system with a lower and upper end, and a sufficient number of additional locking points depending on the size of the opening doors.

The doors are complete with locks with various locking points depending on the height of the sashes and lock cover boxes/reinforced profiles in hot burnished stainless steel.

Oxidized surfaces burnished with a mechanical cleaning process with abrasive, immersion in burnishing liquid, washing, and protection with Vaseline oil or a wax of your choice.

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The handles complete the set and are available in different shapes, materials, and finishes, including Brass OT67.

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