

METALFORM

MASTERS OF METAL

BV 75 Hinged in Brass OT67

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

The frame sections are meticulously crafted 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 derived from cold-rolling profiling strips of Copper alloy OT67 (Cu67/Zn33) with a thickness of 15/10, adhering to the EN1652:1999 standard.

The folding unit must be kept open to facilitate the insertion of stainless steel alignment brackets, even in the case of continuous surface welding. Assembly of the frames involves welding the internal surfaces (which aren't visible) with the insertion of internal stainless steel reinforcement brackets and eventual brazing of the visible parts.

The system ensures internal and external overlapping of the profiles with minimum visible sections: vertical sections measuring 63 mm, lower horizontal section measuring 52 mm, and upper section measuring 66 mm, with a mandatory depth of 77 mm. The frames feature identical nodes starting from 62mm, making fixed and openable parts indistinguishable and allowing for coplanar glass placement between them.

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The external part of the sash profile is beveled at an angle like the glazing bead, adding depth to the external elevation of the window/door and aligning the glass with the sash section. Water, air, and wind sealing system include a double-threaded gasket (one level of closed-joint sealing) and bottom threshold seal.

The frames come complete with glass (insert glass type) fixed with glazing beads (select one of the following options: Beveled, Squared, Square Rounded, Triangular, Thin) in Brass OT67, spaced from the external surfaces by EPDM or silicone gaskets and from the internal surfaces by pressure-inserted EPDM gaskets.

A composite upper case containing the track is concealed with the sashes closed for lifting and sliding the doors. Lower profile in polyamide and stainless steel facilitates sliding of the guides and is prepared for flush-to-floor installation and water drainage. There's also the possibility of a reduced threshold with stop gasket and seal.

The sashes have a maximum width of 1000 mm and are equipped with screw-on, applicable three-wing steel hinges, with a diameter of 15 mm for capacities up to 100 kg per door. Internal bolt locking system with a lower and upper end, along with a sufficient number of additional locking points, depending on the size of the opening doors, is provided.

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

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

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