

## sliding door with magnetic levitation





METALFORM









ØG® was created to manually move large and heavy lift and slide doors, without having to use electric lifting and towing motors, to offer the designer new solutions, where high technology meets design.





ØG® is born from the combination of magnetic levitation and Secco lift and slide doors. The sliding track of the lift and slide doors is equipped with Ironlev® passive magnetic skates, which allow to keep large masses raised along a small track. The ØG® floats in the air, sliding without friction, as if they were without weight, gravity, hence the name of the ØG® "zero gravity" project.



 $\mathbb{Z}^{\mathbb{R}}$ 

the ØG® lift and slide door it floats in the air, freed from its weight it flows effortlessly, only slowed down by the inertia of the mass. There naturalness and power of magnets they donate, to the simple gesture of opening, to raise and slide a door of enormous dimensions, up to 1000 kg, an unexpected force, perfect, without noise, without electricity.







ØG® - Zero Gravity is built with elegant OS2 or EBE profiles by Secco Sistemi, for different design and size.



example ØG® with OS2 in burnished brass



example ØG® with EBE in 316 stainless steel

### finishes

### the ØG® lift and slide doors can be made in following fine finishes



satin-finished 0T67 brass



polished 316L

stainless steel

hrass



waxed oxidized

burnished 316SB

stainless steel

satin-finished 304 stainless steel

painted galvanized steel

oxidized corten

steel

### handles

elegant and discreet accessory, with slight and linear profiles, the Secco handles integrate perfectly with the frame and are produced in the same precious materials and finishes of the profiles (brass, corten, stainless steel) and they can be T, or L-shaped.





glazing beads are design elements made with the same materials and finishes as the window frame. Their shape and their size, compared to the section of the profile, are variants that can have different combinations and can change the perception of the space occupied by the window. The fastening of the glazing bead on the leaf is always concealed and, due to the continuity of the lines in the prospectus, the profiles can be welded together at the corners.





squared

triangular



thin



rounded square

### dimensions





### configurations







### 1 work group

- 2 Ironlev<sup>®</sup> magnetic levitation skid
- **B** sliding loop-hole
- 4 windows/shutters
- 5 floor; continuity between inside and outside and without tripping



Passive magnetic levitation system, with Ironlev<sup>®</sup>, magnet technology, for handling lift and slide doors.

ØG<sup>®</sup> [zerø gravity] consists of a levitation unit recessed into the floor which contains the sliding rail, the Ironlev<sup>®</sup> magnetic pads and the beam connecting to the door.

The system is accessible for maintenance through movable roof profiles that can contain the same finishes as the floors in their visible surface, for a perfect continuity between the inside and outside of the building. Only an 8 mm gap, closed by brushes, remains visible in the floor along the entire sliding of the door, without any protrusion and therefore tripping.

In the upper part of the door ØG<sup>®</sup> provides mechanisms to counteract the lifting thrust of the magnets and lower the door or window bringing it to the closing level. The system does not require electricity, it works manually even with heavy weights over 1000 kg.



### upper node

### lower node



- 1 thermally insulated polyamide guide
- 2 double seal
- 3 continuous alignment guide
- 4 lowering and closing mechanism
- **5** lowered window frame closure
- 6 raised shutters opening



- 1 Ironlev<sup>®</sup> magnetic levitation runner
- 2 ferromagnetic stainless-steel rail
- alignment profile
  - connecting beam between runner and shutter
  - finishing profiles for toothbrush holders
  - containment and laying box
- 7 interior floor

**4** 5

6

8

1

- removable plate for access and maintenance of the system
- external floor
- 10 lowered window frame closure
  - window raised opening

### components







Secco Sistemi is an Italian brand that symbolizes innovation and design awarded with "Compasso d'Oro" prize. It has been contributing to the evolution of window and door engineering for 70 years, inventing systems and profiles that have become benchmarks for the industry of this sector and continuing to improve them and interpret the latest projects and trends of contemporary architecture. So far 340 profiles have been developed in 4 selected metals - galvanized steel, stainless steel, corten steel and brass – and in 9 different finishes with an annual production of 2.8 million linear meters of profiled bars for 280,000 doors and windows.

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