
Phantom

Concealed door hinge



Sobinco
OPENS YOUR LIFE



Phantom

Concealed or
revealing true



door hinge
e quality.

DESCRIPTION

Phantom is a **three-part screwable door hinge** for open in and open out doors with flush profiles. No unsightly components are perceived when the door is closed. And when open, no hindering parts are to be seen, thanks to a **cleverly integrated cover**. They are especially suited for **contemporary and architectural use**. The Phantom hinges are **profile dependent** and will be developed on request.



CHARACTERISTICS

- Consists of one frame part with **integrated cover** and one vent part.
- Pre-assembled parts.
- **High vent weights up to 180 kg with 2 hinges, with or without door closer.**
- **High vent weights up to 215 kg with 3 hinges (2 on top, 1 at the bottom), with or without door closer.**
- **High vent weights up to 250 kg with 4 hinges, with or without door closer.**
- **Large dimensions of the vent up to 1.4 m width and 3 m height.**
- **Maximum opening angle:** profile dependent: **+/- 95°.**
- Always use in combination with a **door stay**.
- **Maintenance-free** with self-lubricating synthetic bushes.
- **Finishes:**
 - Standard **nature and black anodisation.**
 - Powder coated in 450 RAL colours on request.

TESTS & RESULTS

- CE qualified according to EN 1935 by Notified Body PIV Germany.

- **Classification key:**

4	7	6	0	1	5	1	13
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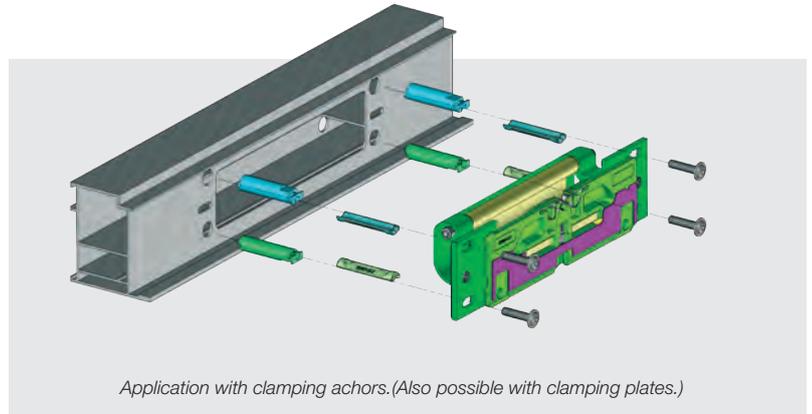
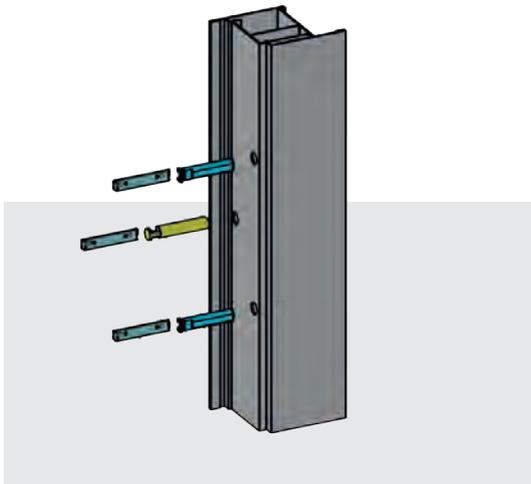
- **4 = Intensity of use** = highest class.
 - **7 = Durability** = 200,000 cycles = highest class.
 - **6 = Weight** = 120 kg = highest class except one.
 - **5 = Corrosion resistance** = 480 hours = highest class.
 - **1** = Suited for **burglary resistant RC2 doors** (without security pins).
 - **13 = Hinge class** = highest class except one.
- Extra durability tests:
 - Internal setting up: 1,000,000 cycles.



ASSEMBLY

PRE-ASSEMBLY OF THE HINGE AND THE FIXATION IN THE FRAME PROFILE

- Mount 4 clamping anchors.
- Tilt the pre-assembled hinge into the profile.
- Tighten 4 screws (T25).

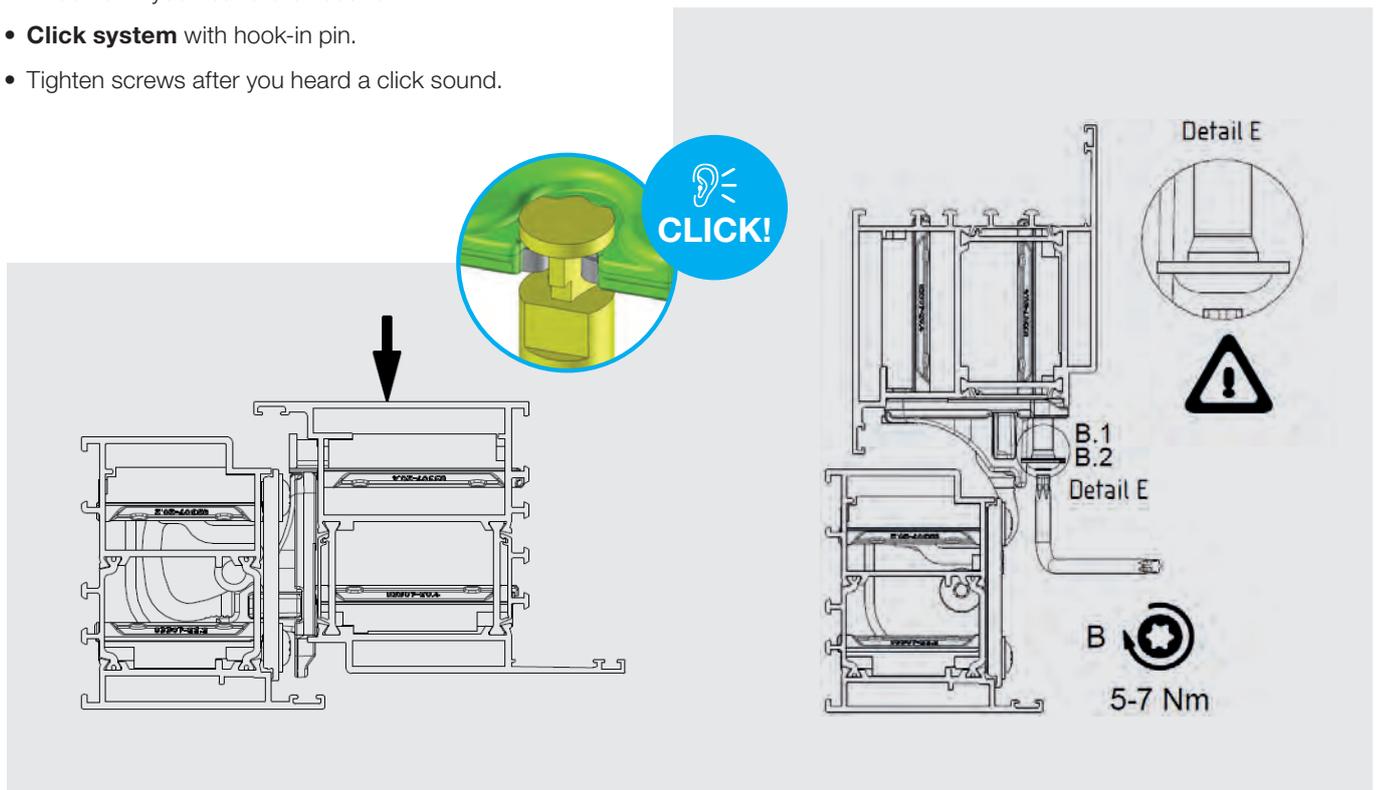


PRE-ASSEMBLY OF THE FIXATION IN THE VENT PROFILE

- Mount 2 screw clamping anchors.
- Mount 1 hook-in clamping anchor.

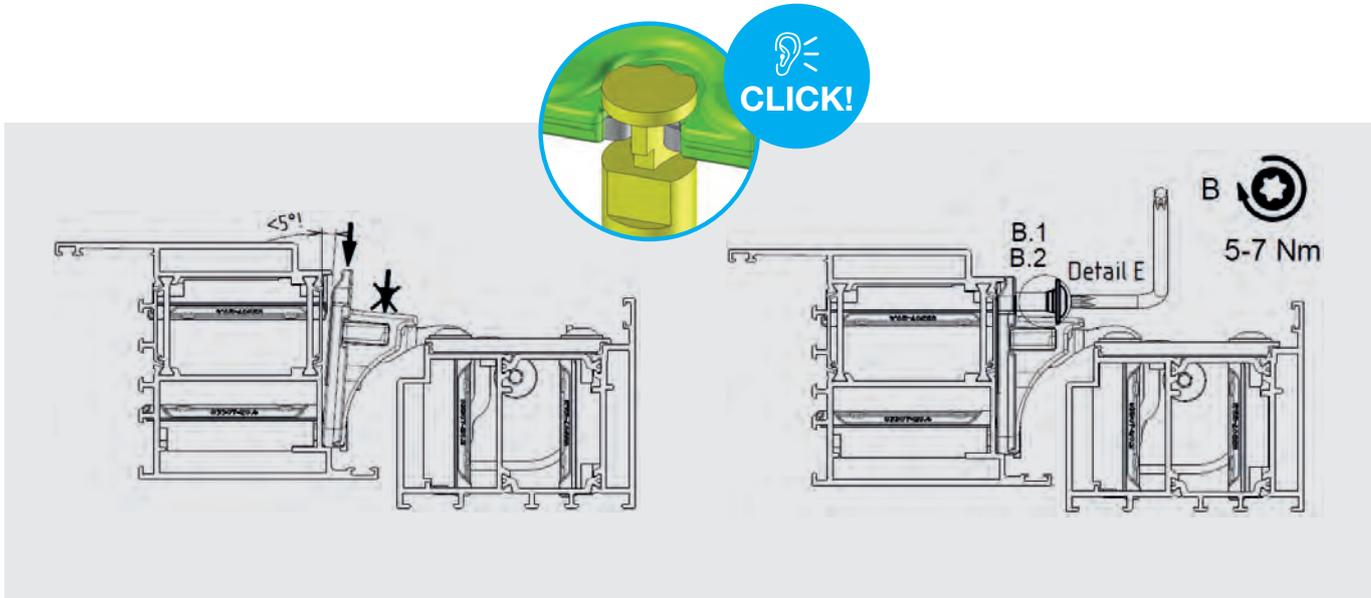
ATTACHING VENT IN FRAME / HORIZONTAL ASSEMBLY OF THE VENT

- Attach until you hear a click sound.
- **Click system** with hook-in pin.
- Tighten screws after you heard a click sound.



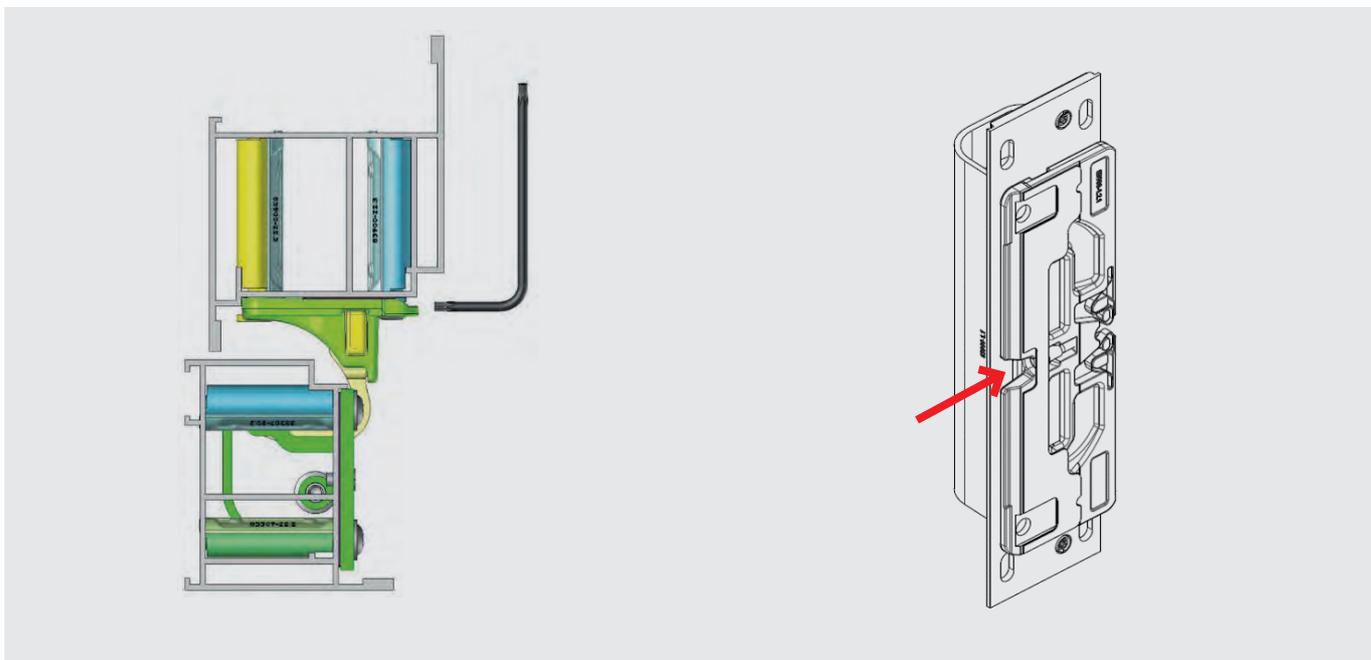
ATTACHING VENT IN FRAME / VERTICAL ASSEMBLY OF THE VENT

- Attach until you hear a click sound.
- **Click system** with hook-in pin.
- Tighten screws after you heard a click sound.



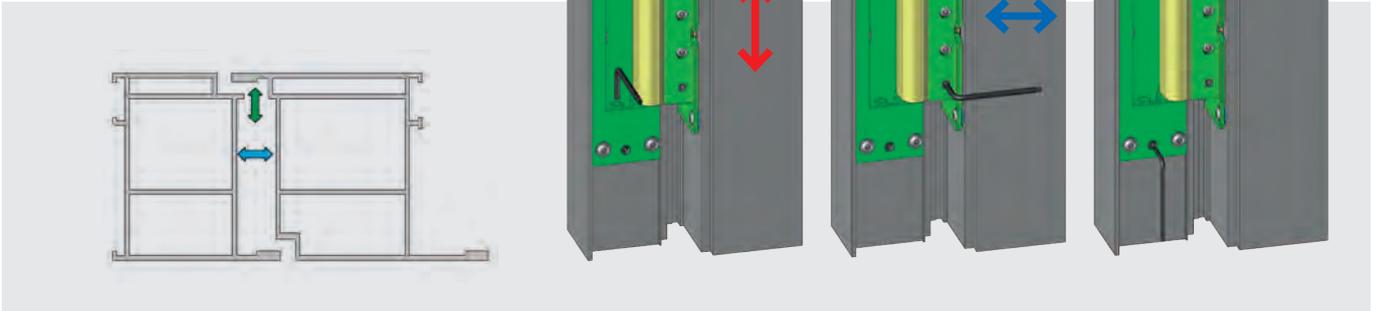
DISASSEMBLY OF THE VENT

- Support vent.
- Loosen 2 screws from vent part with torx 25 tool.
- Disassembly with torx 15 tool: 10 turns.
- After disassembly **the disassembly screw needs to be refastened** for the next assembly.



ADJUSTMENT

- **Height adjustment:** +/- 4 mm.
- **Lateral adjustment:** +/- 3 mm.
- **Gasket pressure adjustment:** +/- 0.5 mm.



ADVANTAGES

- Straightforward profile operations = **fast production.**
- Easy and efficient assembly and disassembly = **timesaving handling.**
- Only 2 tools needed when mounting and adjusting (torx 15 and torx 25) = **no extra expenses on tools.**
- Same hinge for left and right-handed doors = **less stock.**
- Strong hinge: high weight capacity and high durability = **the best solution for the large and heavy doors trend.**
- Slender and aesthetic design = **perfect for high-end architectural projects.**
- **Most stable** and **strongest** concealed door hinge on the market due to an ingenious design with **integrated cover.**
- Most straightforward assembly **in horizontal and vertical position** by a spring system, **without lifting the vent.**
- **Very easy disassembly** of the vent.
- **Largest 3D-adjustment range.**
- **Most aesthetic door hinge** with **multiple finish options in many colours.**



We are Sobinco. We get things done. We specialise in the development and production of innovative locking systems and components for the aluminium windows and doors industry.

At Sobinco **the entire production process takes place under one roof.** In this way we are able to manage and control the value creation chain from start to finish. This gives us **great flexibility** and allows us **to attain sustainable results over the short term.**

Innovation is our passion. Our creativity, expertise and craftsmanship provide a guarantee of added value which translates into **high-quality products, easy assembly, modularity, sustainability and aesthetic comfort.**

Driven by this passion, **our team** at all times endeavours to **improve our current products and develop new ones.** To this end, we listen to the market and to our customers.

We use **high-quality materials** for our product development. These products are **exhaustively tested in line with the strictest of guidelines and quality requirements.** Every product must satisfy these as a minimum and their ratings often exceed the required standards.

We have a **strong customer focus.** Not only in the development of our products, but also in our after-sales support, during the installation process and even long afterwards.

Sobinco is a financially viable and high-tech environment where our specialists can focus on their strengths. With more than 60 years in the business, you can rest assured that we are a reliable partner, ready to seize the opportunity. Nevertheless, we remain approachable. In short, **a family atmosphere, where there is mutual respect** for management, customers, partners and employees.

We are Sobinco. We get things done. We listen. We think in terms of opportunities. We are not afraid to roll up our sleeves.

VAN PARYS FAMILY

PEOPLE

COMPLETE SERVICE

VERTICAL INTEGRATION

Listen. Think. Do.

SUSTAINABLE GROWTH

INNOVATION

TOP QUALITY

FITTINGS FOR ALUMINIUM WINDOWS & DOORS

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