

# Invisacta

## CONCEALED HINGES



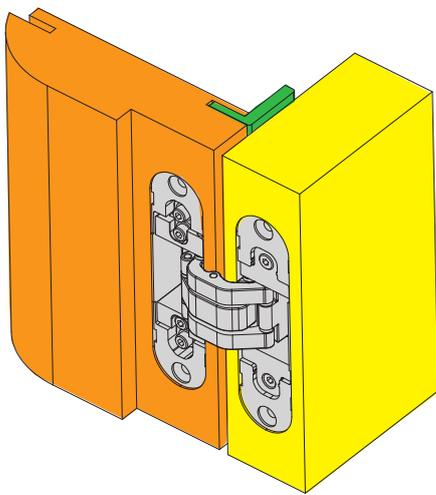
# WARNING!

## INSTALLATION DEVICE PROTECTED BY PATENT

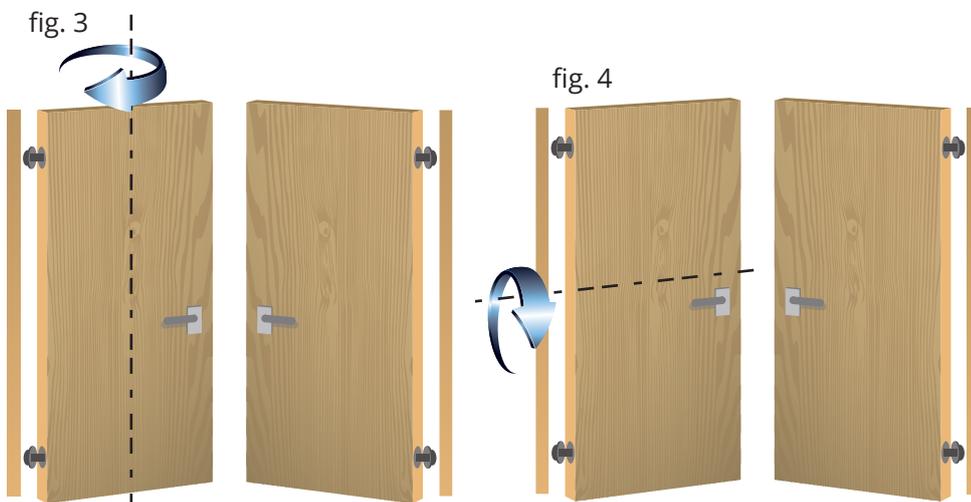
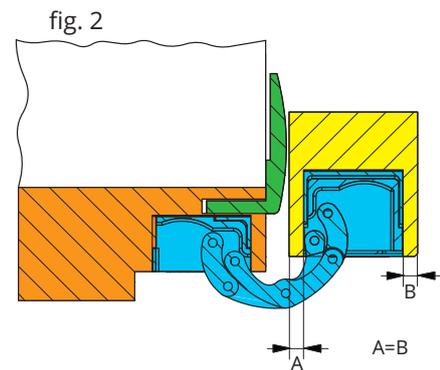
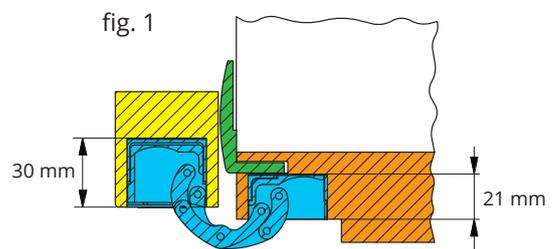
Only (by) using **INVISACTA**, you can avoid to **cut the cover strips** (in green), thanks to the only 21 mm depth of the hull on the frame side (fig. 1), and **at the same time** install the hinge in the middle of the door thickness (fig. 2) **making the door become both left and right, that means reversible** (fig. 3).



**There are unoriginal INVISACTA hinges** on the market; that don't have the license to use OTLAV patent.  
Producing doors as shown herein, with unoriginal **INVISACTA** hinges, **means to make an injury to OTLAV patent rights**, injury which is punishable both civilly and criminally.



**European Patent  
EP-B-2719851  
16/04/2014**



INVISACTA hinge is reversible, which makes the door reversible also vertically (fig. 4).

Since **1956**, thanks to our hinges, more than **1,000,000,000**  
doors are opening **in 80 countries** all over the world.



# COMPANY

OTLAV S.p.A produces and sells hinges for doors and windows and other accessories for frames.

**Founded in 1956** by entrepreneur Angelo Padovan, Otlav has produced **more than 2,2 billion of hinges**.

Thanks to almost 100 filed patents, Otlav ensures high quality standards and is present with its wide range of products in more than **80 countries worldwide**.

OTLAV new factory was inaugurated in 2007, in Via Angelo Padovan 2 in Santa Lucia di Piave (TV), in an area of 45,000 square meters, 19,500 of which are covered.

In 2021, due to the continuous increase in demand and the need to store large quantities of raw materials, a 2,200 m<sup>2</sup> warehouse was purchased next to the production site;

In 2023, the 6,000 m<sup>2</sup> expansion work on the east side was completed. In 2025, an additional 4,500 m<sup>2</sup> warehouse was purchased on the west side. The current area occupied by OTLAV plant is 73,000 m<sup>2</sup>, of which 32,000 are covered. **In four years, Otlav production surface has increased by 66%.**

Following the opening of the first office in March 1956, OTLAV has nowadays found its perfect location to face the challenges of the new millennium. "OAMH" "Otlav Automatic Material Handling" is a project developed after five years of research and studies all around the world; a technological jewel created by designing at first the best logistical location, and then a subsequent lay out, and eventually the container to cover these structures: an unmistakable technological masterpiece, which is 20 meters high.

Rationalization of space, optimization of logistics and integrated use of automation: all of these account for respectively the flow or transportation of materials and the streaming of information. The goal is to cut costs by making the produced hinges increasingly competitive with an unparalleled level of quality.

## OTLAV group companies



In 1990 Otlav creates Myrtus in Maniago (PN), Friuli. The company is specialized in galvanic treatments.



Founded 2002 in Romania is focused on some high-tech producing processes.



As required by European regulations and by Regulation (EU) No. 305/2011 all OTLAV hinges are subjected to stringent resistance tests to check performance both during the design phase and regularly during manufacturing. The I.U.S. (Intensive Use Simulator) is the testing system used in the OTLAV Test Laboratories.

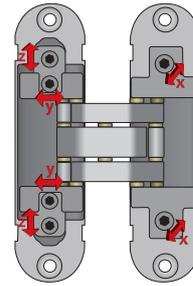
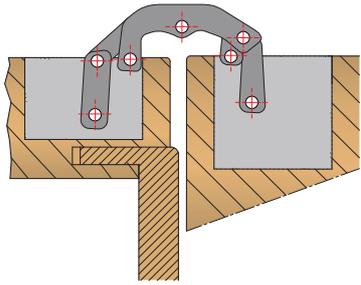
#### **EC Certificates and Performance Declarations**

Tests on the hinges are also carried out at external bodies able to certify that the company manufactures according to rigid, systematically monitored production plans and that the products pass the tests envisaged by the standard UNI EN 1935/2004: they are thereby able to issue, if needed, the CE certificate or certify the data provided by OTLAV in the “performance declarations”.



View of the OTLAV test laboratories I.U.S. (Intensive Use Simulator)

# INVISACTA PLUS+



## 7 JUNCTION FULCRUMS

No sliding wear

7 fulcrum points allow little friction, good flow, solidity and high loading capacity; no contact between the different bearing units thanks to nylon bushes with high friction resistance.

## 3 ADJUSTMENTS

With only one hex spanner

The clamping screws, placed in the outer casings, are not used for hinge adjustment, therefore they **remain stable for a long time.**

IN570, IN310, IN303, IN300, IN305, IN230 and IN235 models

## COMPATIBILITY

Same milling, different hinges

### IN230

Doors up to 60 kg



### IN235

Doors up to 40 kg



### AI230

Door alignment device



Milling 23x120 mmh

### IN303

Doors up to 80 kg



### IN300

Doors up to 60 kg



### IN305

Doors up to 40 kg



### IN299

Doors up to 40 kg



### CI335

Doors up to 40 kg



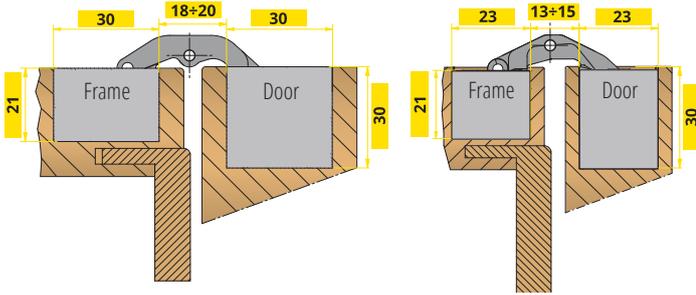
### AI300

Door alignment device



Milling 30x120 mmh

# INVISACTA PLUS+



## MINIMAL DIMENSIONS

Slot on frame side: 21 mm

A 21 mm depth slot on the frame side makes it unique and enables its perfect integration in reduced spaces. No need to cut the architrave which can be flush mounted.

IN303, IN300, IN305, IN301, IN299, IN230 and IN235 models

## REVERSIBILITY

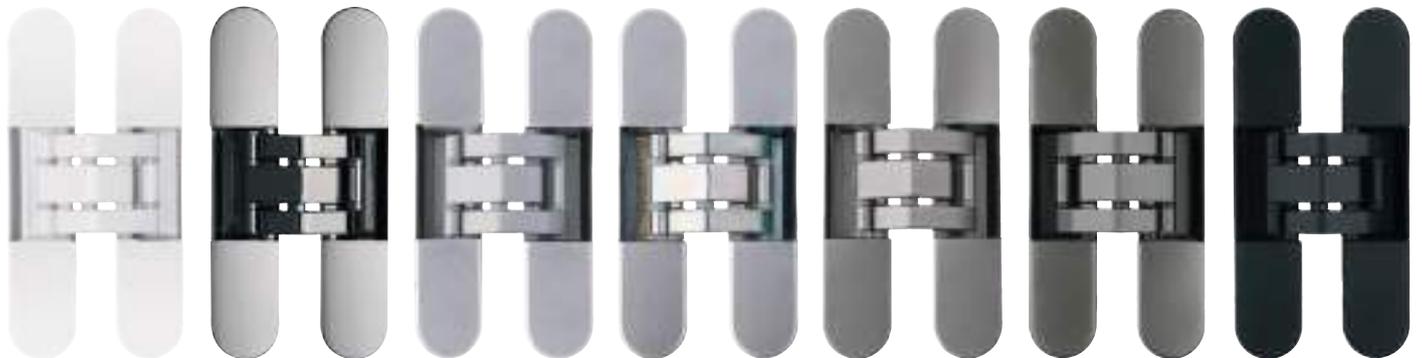
Invisacta hinges are all reversible

The hinge if mounted in the center of the door thickness\*, allows the reversibility of the door, thus enabling the **optimization of the stock and logistics at installation.**

\* IN570, IN303, IN300, IN305, IN301 and IN299 models

## KIND OF FINISHING

The wide range of colours allows finding the right correspondence with any finish of the doors



White Matt

Chrome Plated

Satinized Silver

Zinc Plated

Satinized Nickel

Dark Titanium

Matt Black



Polished Gold

Matt Gold

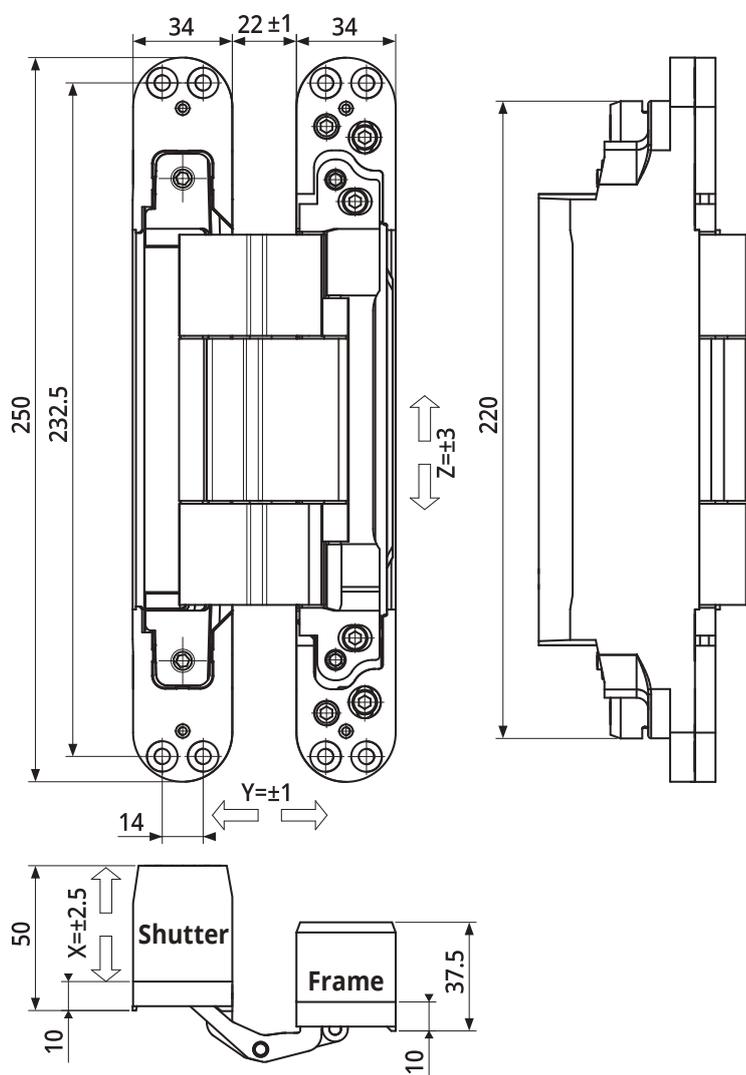
Light Bronze

Brushed Bronze

Bronze Powder Coated

Bronze Plated

# IN343 3D concealed hinge for heavy doors

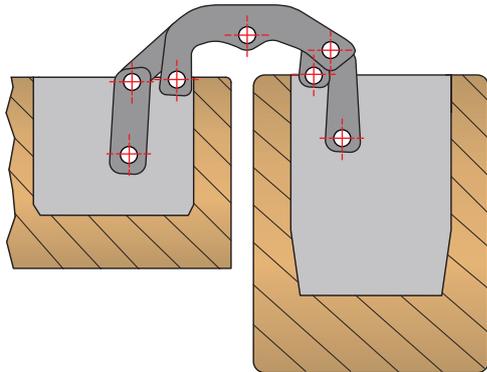


## Technical data

Capacity*	200 Kg
Hinge height	250 mm
Width shutter side	34 mm
Width frame side	34 mm
Depth shutter side	50 mm
Depth frame side	37,5 mm
Door opening angle	180°
Side adjustment	$\pm 2,5$ mm
Height adjustment	$\pm 3$ mm
Depth adjustment	$\pm 1$ mm

\* Tested with 90x210 cm doors - For more information on the number of hinges to be used according to the weight and dimension of the door, please see the loading charts available on the website [www.otlav.it](http://www.otlav.it).

## Technical features



- Movement on **7 junction fulcrums** equipped with bearing in plastic HT with high resistance and long life.
- Equipped with **3-way progressive adjustment** that can be settled by means of just one 4 mm hex-spanner. Once installed, the door has natural sinking, Invisacta hinge allows to set the door back to the start position.
- The **height adjustment** is equipped with a **safety device** that prevents the door from accidentally sliding.
- Outer casings protect the inner junction fulcrums against rubble coming from door installation works.
- The clamping screws, placed in the outer casings, are not used for hinge adjustment, therefore they remain stable for a long time.
- Reversible
- Material of levers: aluminum.
- Material of casing: zamak.
- Equipped with steel caps to conceal the adjustment screws.

## Finishing



**IN343250V703**

Satinized Silver Plated



**IN343250VN03**

Satinized Nickel Plated

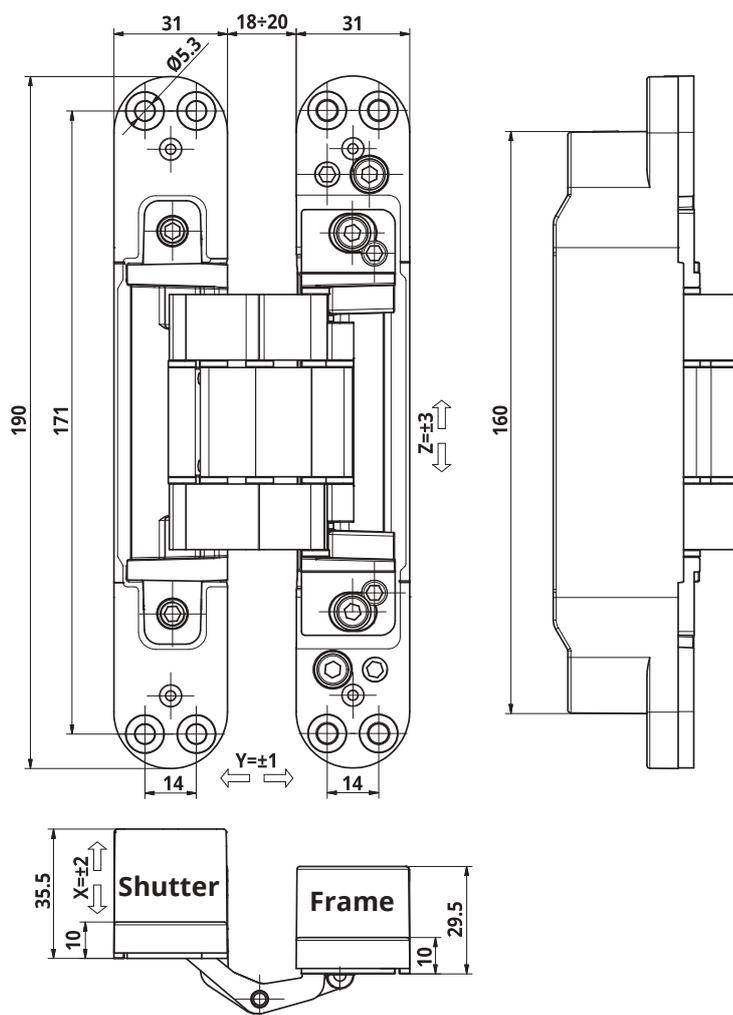


**IN3432509N03**

Matt Black

**OTHER KIND OF FINISHING  
AVAILABLE ON REQUEST**

# IN311 3D concealed hinge for heavy doors



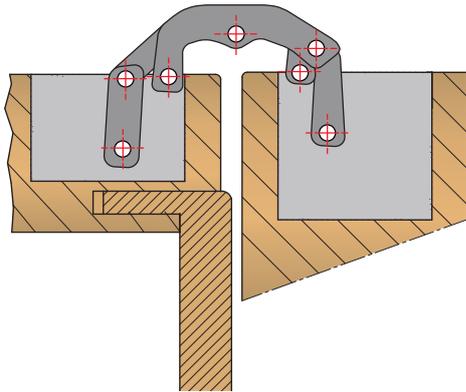
## Technical data

Capacity*	140 Kg
Hinge height	190 mm
Width shutter side	31 mm
Width frame side	31 mm
Depth shutter side	35,5 mm
Depth frame side	29,5 mm
Door opening angle	180°

Side adjustment	± 2 mm
Height adjustment	± 3 mm
Depth adjustment	± 1 mm

\* Tested with 90x210 cm doors - For more information on the number of hinges to be used according to the weight and dimension of the door, please see the loading charts available on the website [www.otlav.it](http://www.otlav.it).

## Technical features



- Movement on **7 junction fulcrums** equipped with bearing in plastic HT with high resistance and long life.
- Equipped with **3-way progressive adjustments** that can be settled by means of just one 4 mm hex-spanner. Once installed, the door has natural sinking, Invisacta hinge allows to set the door back to the start position.
- The height adjustment is equipped with a safety device that prevents the door from accidentally sliding.
- **The hinge can be fitted with door closing devices.**
- Outer casings protect the inner junction fulcrums against rubble coming from door installation works.
- The clamping screws, placed in the outer casings, are not used for hinge adjustment, therefore they remain stable for a long time.
- **CE certified** - according European Assessment Document 020001-01-0405.
- The hinge meets the **anti-burglary** criteria according European Assessment Document 020001-01-0405.
- **Fireproof certified 90'** according UNI-EN 1634-1.
- Reversible
- Material of levers: aluminium.
- Material of casing: zamak.
- **Caps** available to conceal the screws.

## Finishing



**IN311190V703**  
Satinized Silver Plated



**IN311190VN03**  
Satinized Nickel Plated



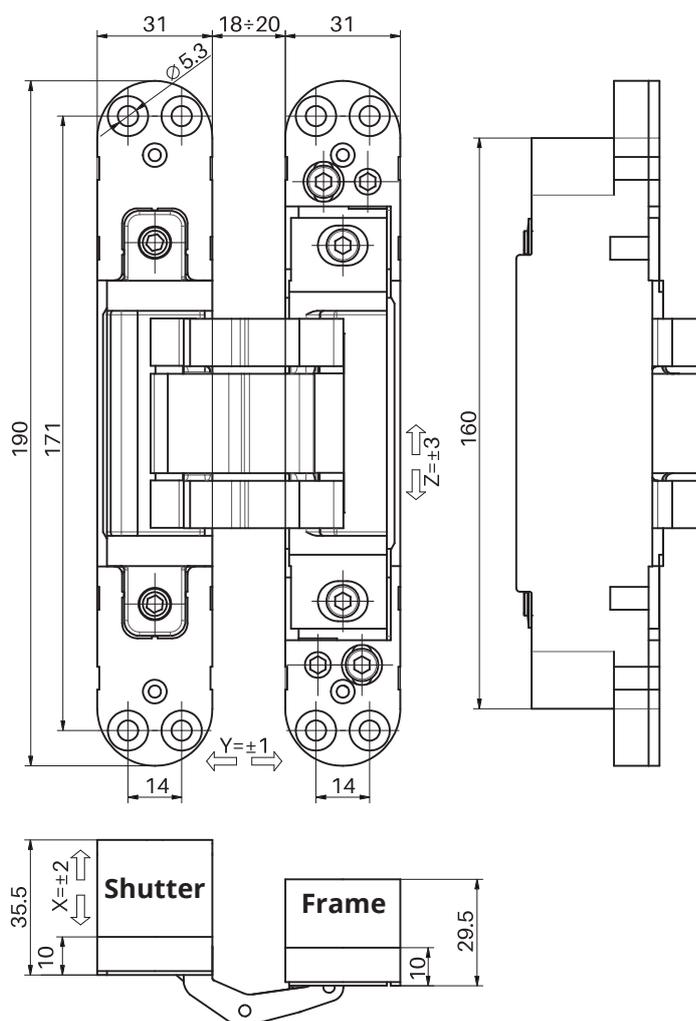
**IN3111909N03**  
Matt Black



**IN3111909P03**  
White Matt RAL 9016

**OTHER KIND OF FINISHING  
AVAILABLE ON REQUEST**

# IN310 3D concealed hinge for heavy doors



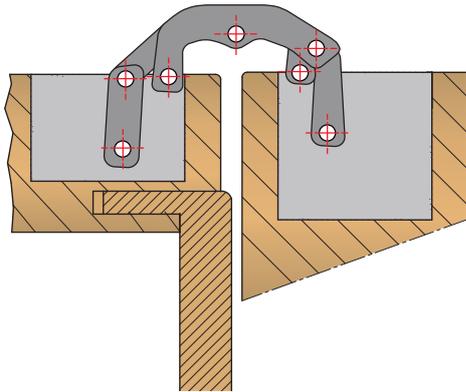
## Technical data

Capacity*	120 Kg
Hinge height	190 mm
Width shutter side	31 mm
Width frame side	31 mm
Depth shutter side	35,5 mm
Depth frame side	29,5 mm
Door opening angle	180°

Side adjustment	± 2 mm
Height adjustment	± 3 mm
Depth adjustment	± 1 mm

\* Tested with 90x210 cm doors - For more information on the number of hinges to be used according to the weight and dimension of the door, please see the loading charts available on the website [www.otlav.it](http://www.otlav.it).

## Technical features



- Movement on **7 junction fulcrums** equipped with bearing in plastic HT with high resistance and long life.
- Equipped with **3-way adjustments** that can be settled by means of just one 4 mm hex-spanner. Once installed, the door has natural sinking, Invisacta hinge allows to set the door back to the start position.
- The height adjustment is equipped with a safety device that prevents the door from accidentally sliding.
- **The hinge can be fitted with door closing devices.**
- Outer casings protect the inner junction fulcrums against rubble coming from door installation works.
- The clamping screws, placed in the outer casings, are not used for hinge adjustment, therefore they remain stable for a long time.
- **CE certified** - according European Assessment Document 020001-01-0405.
- The hinge meets the **anti-burglary** criteria according European Assessment Document 020001-01-0405.
- **UL certified - Fireproof 90'** - standard UL 10C.
- **Fireproof certified 90'** according UNI-EN 1634-1.
- Reversible
- Material of levers: aluminum.
- Material of casing: zamak.
- **Caps** available to conceal the screws.

## Finishing



**IN310190V703**  
Satinized Silver Plated



**IN310190VN03**  
Satinized Nickel Plated



**IN3101909N03**  
Matt Black



**IN3101909P03**  
White Matt RAL 9016



**IN310190VD03**  
Polished Chrome



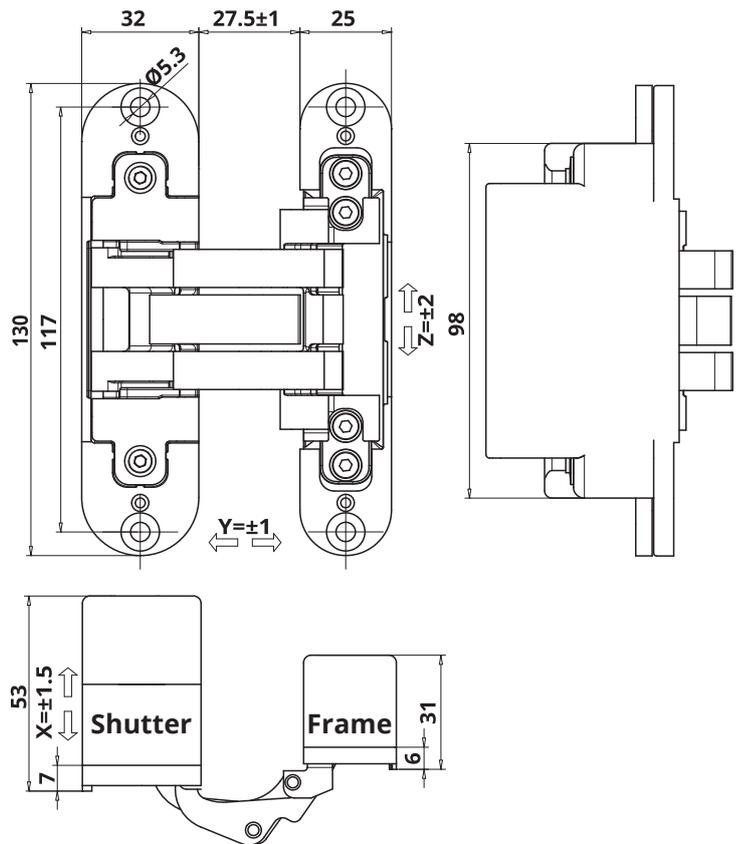
**IN310190VO03**  
Polished Gold



**IN310190VS03**  
Brushed Bronze

**OTHER KIND OF FINISHING  
AVAILABLE ON REQUEST**

# IN570 3D offset concealed hinge for 60 Kg doors

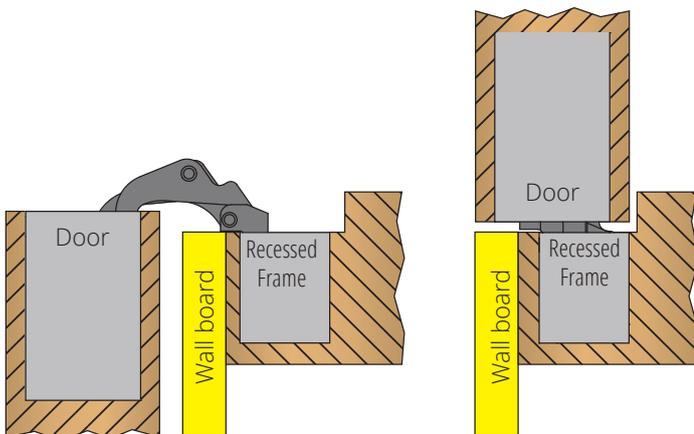


## Technical data

Capacity*	60 Kg
Hinge height	130 mm
Width shutter side	32 mm
Width frame side	25 mm
Depth shutter side	53 mm
Depth frame side	31 mm
Door opening angle	180°
Side adjustment	± 1.5 mm
Height adjustment	± 2 mm
Depth adjustment	± 1 mm

\* Tested with 90x210 cm doors - For more information on the number of hinges to be used according to the weight and dimension of the door, please see the loading charts available on the website [www.otlav.it](http://www.otlav.it).

## Technical features

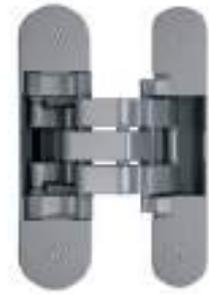


- The hinge is suitable to be installed on doors with **recessed frame** to accept application of wall board to match the door.
- Suitable for installation on panels with **thickness from 40 to 60 mm**. For larger thickness please contact OTLAV technical department.
- The hinge is reversible, it **can be mounted in the center of the door thickness with 40 and 44 mm panels**, allowing the **reversibility of the door**, thus enabling the optimization of the stock and logistics at installation.
- The hinge can be installed with mounted gasket up to 6 mm thick.
- Allows the application of very thick architraves or coating panels: up to 18 mm.
- Material of casing: zamak.
- Material of levers: aluminium.
- Movement on **7 junction fulcrums** equipped with bearing in plastic HT with high resistance and long life.
- Equipped with **3-way adjustments** that can be settled by means of just one hex-spanner. Once installed, the door has natural sinking, Invisacta hinge allows to set the door back to the start position.
- Outer casings protect the inner junction fulcrums against rubble coming from door installation works.
- The clamping screws, placed in the outer casings, are not used for hinge adjustment, therefore they remain stable for a long time.
- Equipped with **caps** to conceal the screws.

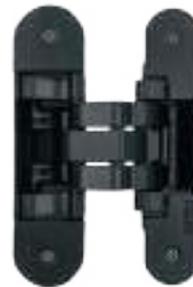
## Finishing



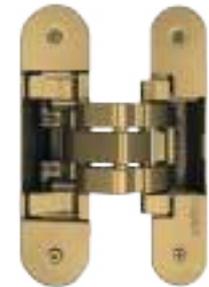
**IN570130V703**  
Satinized Silver Plated



**IN570130VN03**  
Satinized Nickel Plated



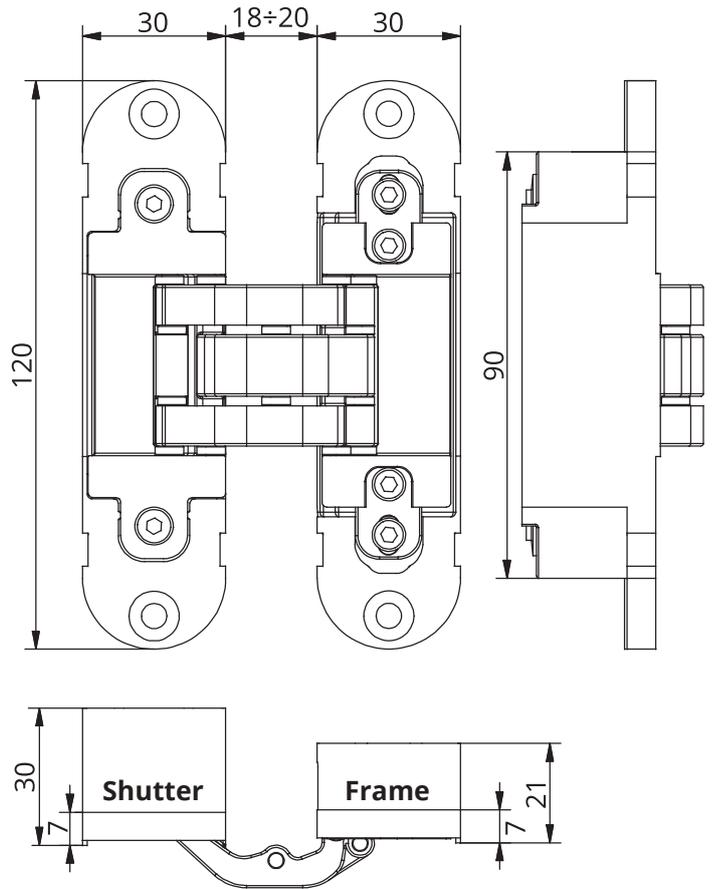
**IN5701309N03**  
Matt Black



**IN570130VM03**  
Matt Gold

**OTHER KIND OF FINISHING  
AVAILABLE ON REQUEST**

# IN303 3D concealed hinge for 80 Kg doors

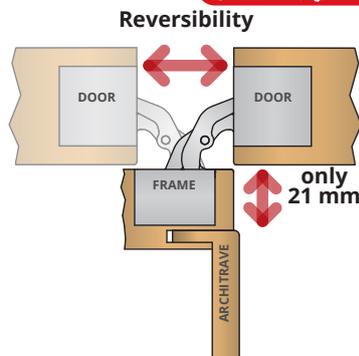


## Technical data

Capacity*	80 Kg
Hinge height	120 mm
Width shutter side	30 mm
Width frame side	30 mm
Depth shutter side	30 mm
Depth frame side	21 mm
Door opening angle	180°
Side adjustment	± 1 mm
Height adjustment	± 2 mm
Depth adjustment	± 1 mm

\* Tested with 90x210 cm doors - For more information on the number of hinges to be used according to the weight and dimension of the door, please see the loading charts available on the website [www.otlav.it](http://www.otlav.it).

**PATENTED**



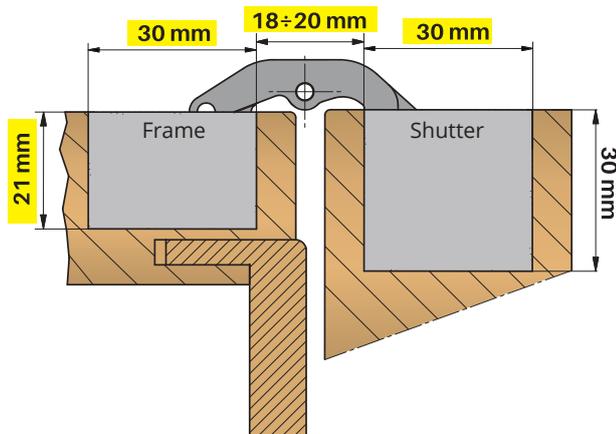
IN303 hinge allows at the same time:

**Reversibility of the door** with hinge mounted in the center of the door thickness.

**No need to cut the architrave** thanks to only 21 mm of frame slot depth.

Patented EP-B2719851.

## Technical features



- A 21 mm depth slot on the frame side makes it unique and enables its **perfect integration in reduced spaces**. No need to cut the architrave which can be flush mounted.
- The hinge is reversible, if mounted in the center of the door thickness, allows the **reversibility of the door**, thus enabling the optimization of the stock and logistics at installation.
- Movement on **7 junction fulcrums** equipped with bearing in plastic HT with high resistance and long life.
- Equipped with **3-way adjustments** that can be settled by means of just one 3 mm hex-spanner. Once installed, the door has natural sinking, Invisacta hinge allows to set the door back to the start position.
- During the installation it is possible to **unlock the height adjustment** of the frame part, creating a 4 mm gap, which makes it **easier to insert the hinge** in the slots of the jamb. This is particularly useful in the event that the frame milling are not perfectly aligned with those of the door.
- Outer casings protect the inner junction fulcrums against rubble coming from door installation works.
- The clamping screws, placed in the outer casings, are not used for hinge adjustment, therefore they remain stable for a long time.
- **The hinge can be fitted with door closing devices.**
- Material of levers: aluminum.
- Material of casing: zamak.
- **CE certified** - according European Assessment Document 020001-01-0405.
- **Fireproof certified 45'** according UNI-EN 1634-1.
- **UL certified - Fireproof 90'** - standard UL 10C.
- **Aluminium caps** available to conceal the screws.
- IN303, IN300, IN305 and IN299 models **use the same milling**.

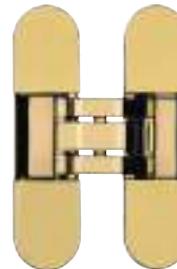
## Finishing



Hinge **IN303120V702**  
Caps **GC300010J102**  
Satinized Silver Plated



Hinge **IN303120VN02**  
Caps **GC300010J205**  
Satinized Nickel Plated



Hinge **IN303120VO02**  
Caps **GC300010JO05**  
Polished Gold



Hinge **IN3031209N02**  
Caps **GC3000109N02**  
Matt Black



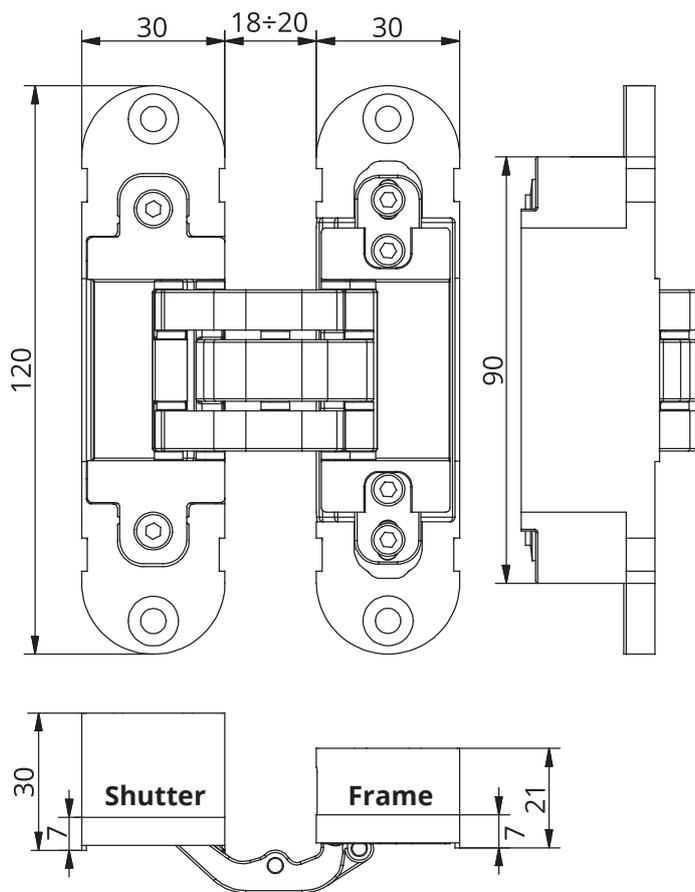
Hinge **IN3031209P02**  
Caps **GC3000109P02**  
White Matt RAL 9016



Hinge **IN303120VS02**  
Caps **GC300010VS02**  
Brushed Bronze

**OTHER KIND OF FINISHING  
AVAILABLE ON REQUEST**

# IN300 3D concealed hinge for 60 Kg doors

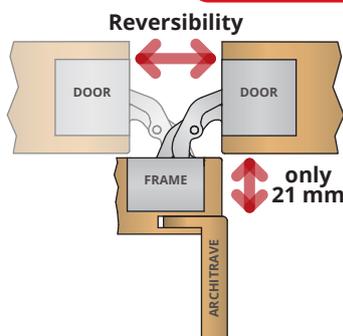


## Technical data

Capacity*	60 Kg
Hinge height	120 mm
Width shutter side	30 mm
Width frame side	30 mm
Depth shutter side	30 mm
Depth frame side	21 mm
Door opening angle	180°
Side adjustment	± 1 mm
Height adjustment	± 2 mm
Depth adjustment	± 1 mm

\* Tested with 90x210 cm doors - For more information on the number of hinges to be used according to the weight and dimension of the door, please see the loading charts available on the website [www.otlav.it](http://www.otlav.it).

**PATENTED**

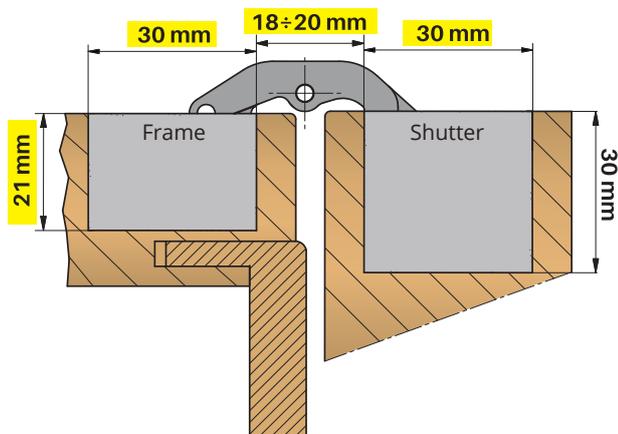


IN300 hinge allows at the same time:

**Reversibility of the door** with hinge mounted in the center of the door thickness.

**No need to cut the architrave** thanks to only 21 mm of frame slot depth. Patented EP-B2719851.

## Technical features



- A 21 mm depth slot on the frame side makes it unique and enables its **perfect integration in reduced spaces**. No need to cut the architrave which can be flush mounted.
- The hinge is reversible, if mounted in the center of the door thickness, allows the **reversibility of the door**, thus enabling the optimization of the stock and logistics at installation.
- Movement on **7 junction fulcrums** equipped with bearing in plastic HT with high resistance and long life.
- Equipped with **3-way adjustments** that can be settled by means of just one 3 mm hex-spanner. Once installed, the door has natural sinking, Invisacta hinge allows to set the door back to the start position.
- During the installation it is possible to **unlock the height adjustment** of the frame part, creating a 4 mm gap, which makes it **easier to insert the hinge** in the slots of the jamb. This is particularly useful in the event that the frame milling are not perfectly aligned with those of the door.
- Material of hinge: zamak.
- **The hinge can be fitted with door closing devices.**
- Outer casings protect the inner junction fulcrums against rubble coming from door installation works.
- The clamping screws, placed in the outer casings, are not used for hinge adjustment, therefore they remain stable for a long time.
- Material of hinge: Zamak.
- **CE certified** - according European Assessment Document 020001-01-0405
- **Fireproof certified 30'** according UNI-EN 1634-2.
- **Aluminium caps** available to conceal the screws.
- IN303, IN300, IN305 and IN299 models **use the same milling.**

## Finishing



Hinge **IN300120V702**  
Caps **GC300010J102**  
Satinized Silver Plated



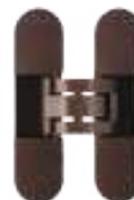
Hinge **IN300120VN02**  
Caps **GC300010J205**  
Satinized Nickel Plated



Hinge **IN3001209P02**  
Caps **GC3000109P02**  
White Matt RAL 9016



Hinge **IN300120H004**  
Caps **GC300010J102**  
Zinc Plated



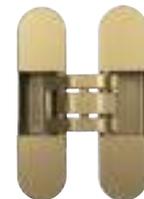
Hinge **IN300120B002**  
Caps **GC3000109R02**  
Bronze Plated



Hinge **IN300120V002**  
Caps **GC300010J005**  
Polished Gold



Hinge **IN3001209N02**  
Caps **GC3000109N02**  
Matt Black



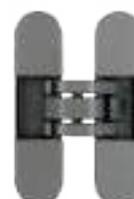
Hinge **IN300120VM02**  
Caps **GC300010VM02**  
Matt Gold



Hinge **IN300120VS02**  
Caps **GC300010VS02**  
Brushed bronze

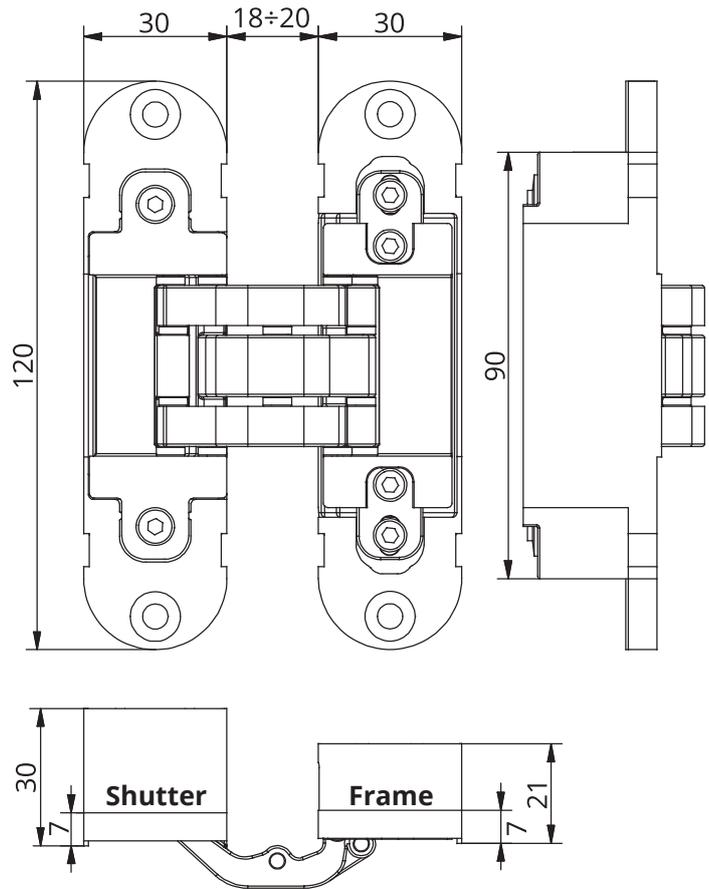


Hinge **IN300120VU02**  
Caps **GC300010VU02**  
Light Bronze



Hinge **IN300120NE02**  
Caps **GC300010NE02**  
Dark Titanium

# IN305 3D concealed hinge for 40 Kg doors

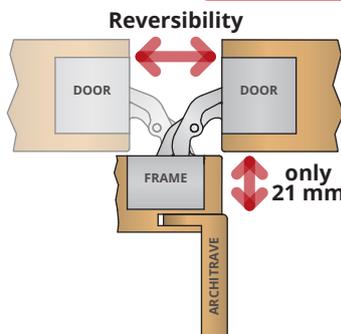


## Technical data

Capacity*	40 Kg
Hinge height	120 mm
Width shutter side	30 mm
Width frame side	30 mm
Depth shutter side	30 mm
Depth frame side	21 mm
Door opening angle	180°
Side adjustment	± 1 mm
Height adjustment	± 2 mm
Depth adjustment	± 1 mm

\* Tested with 90x210 cm doors - For more information on the number of hinges to be used according to the weight and dimension of the door, please see the loading charts available on the website [www.otlav.it](http://www.otlav.it).

**PATENTED**

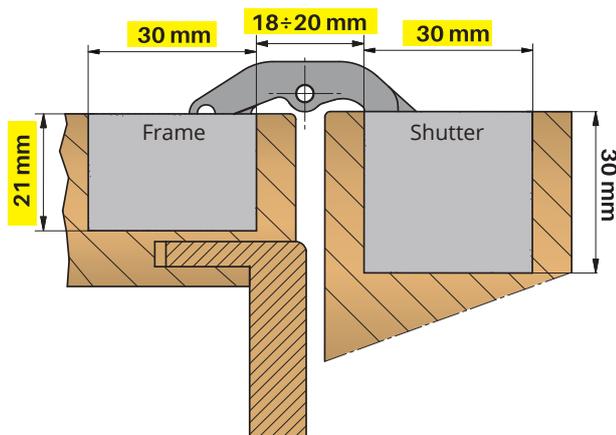


IN305 hinge allows at the same time:

**Reversibility of the door** with hinge mounted in the center of the door thickness.

**No need to cut the architrave** thanks to only 21 mm of frame slot depth. Patented EP-B2719851.

## Technical features



- A 21 mm depth slot on the frame side makes it unique and enables its **perfect integration in reduced spaces**. No need to cut the architrave which can be flush mounted.
- The hinge is reversible, if mounted in the center of the door thickness, allows the **reversibility of the door**, thus enabling the optimization of the stock and logistics at installation.
- Movement on **7 junction fulcrums** equipped with bearing in plastic HT with high resistance and long life.
- Equipped with **3-way adjustments** that can be settled by means of just one 3 mm hex-spanner. Once installed, the door has natural sinking, Invisacta hinge allows to set the door back to the start position.
- During the installation it is possible to **unlock the height adjustment** of the frame part, creating a 4 mm gap, which makes it **easier to insert the hinge** in the slots of the jamb. This is particularly useful in the event that the frame milling are not perfectly aligned with those of the door.
- Material of hinge: Zamak.
- Material of casing: thermoplastic polymer.
- Outer casings protect the inner junction fulcrums against rubble coming from door installation works.
- The clamping screws, placed in the outer casings, are not used for hinge adjustment, therefore they remain stable for a long time.
- **Aluminium caps** available to conceal the screws.
- IN303, IN300, IN305 and IN299 models **use the same milling**.

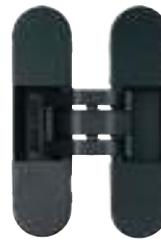
## Finishing



**IN305120V705**  
Satinized Silver Plated



**IN305120VN04**  
Satinized Nickel Plated



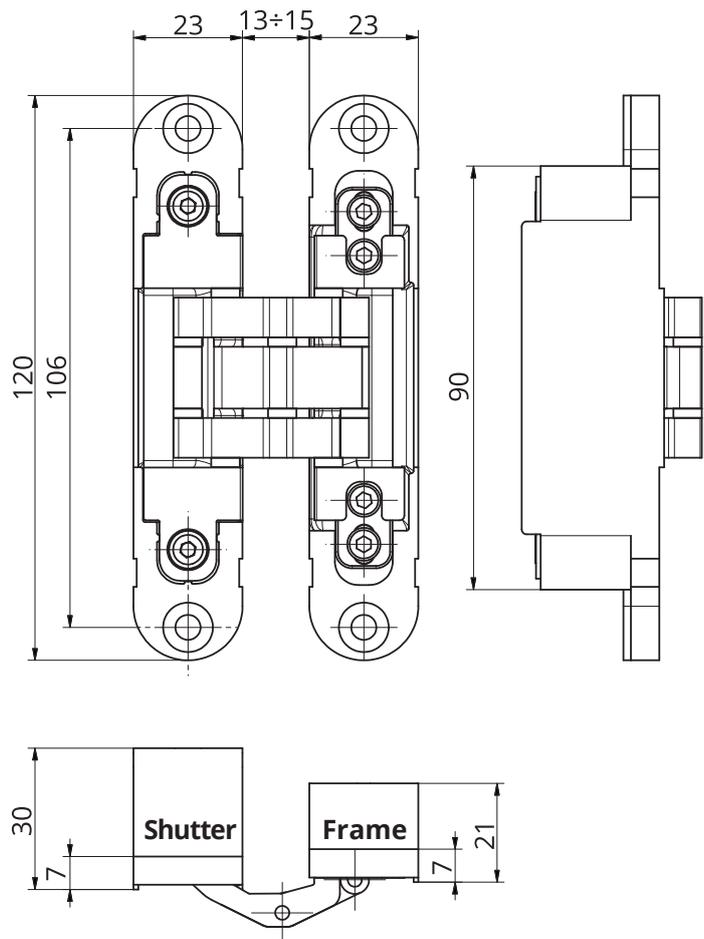
**IN3051209N04**  
Matt Black Plastified



**IN3051209P04**  
White Matt RAL 9016

**OTHER KIND OF FINISHING  
AVAILABLE ON REQUEST**

# IN230 3D concealed hinge for 60 Kg doors

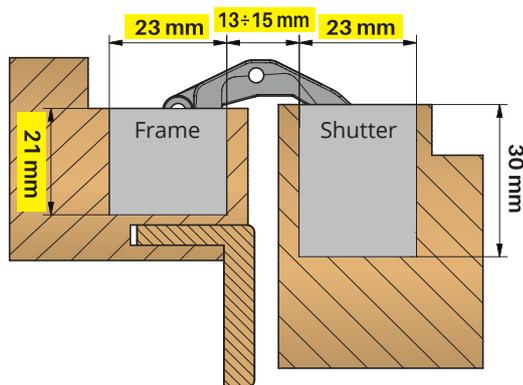


## Technical data

Capacity*	60 Kg
Hinge height	120 mm
Width shutter side	23 mm
Width frame side	23 mm
Depth shutter side	30 mm
Depth frame side	21 mm
Door opening angle	180°
Side adjustment	± 1 mm
Height adjustment	± 2 mm
Depth adjustment	± 1 mm

\* Tested with 90x210 cm doors - For more information on the number of hinges to be used according to the weight and dimension of the door, please see the loading charts available on the website [www.otlav.it](http://www.otlav.it).

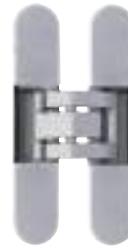
## Technical features



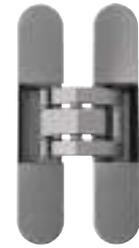
- A **21 mm depth slot** on the frame side makes it unique and enables its perfect integration in reduced spaces. No need to cut the architrave which can be flush mounted.
- Movement on **7 junction fulcrums** equipped with bearing in plastic HT with high resistance and long life.
- Equipped with **3-way adjustments** that can be settled by means of just one 3 mm hex-spanner. Once installed, the door has natural sinking, Invisacta hinge allows to set the door back to the start position.
- During the installation it is possible to **unlock the height adjustment** of the frame part, creating a 4 mm gap, which makes it **easier to insert the hinge** in the slots of the jamb. This is particularly useful in the event that the frame milling are not perfectly aligned with those of the door.
- The hinge is reversible.
- **The hinge can be fitted with door closing devices.**
- Outer casings protect the inner junction fulcrums against rubble coming from door installation works.
- The clamping screws, placed in the outer casings, are not used for hinge adjustment, therefore they remain stable for a long time.
- Material of hinge: Zamak.
- **CE certified** - according European Assessment Document 020001-01-0405
- **Fireproof certified 30'** according UNI-EN 1634-2
- **Aluminium caps** available to conceal the screws.

**OTHER KIND OF FINISHING  
AVAILABLE ON REQUEST**

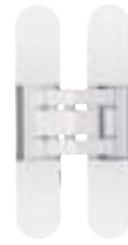
## Finishing



Hinge **IN230120V702**  
Caps **GC230010J102**  
Satinized Silver Plated



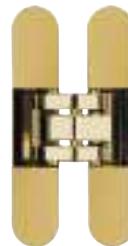
Hinge **IN230120VN02**  
Caps **GC230010J202**  
Satinized Nickel Plated



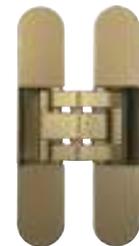
Hinge **IN2301209P02**  
Caps **GC2300109P02**  
White Matt RAL 9016



Hinge **IN2301209N02**  
Caps **GC2300109N02**  
Matt Black



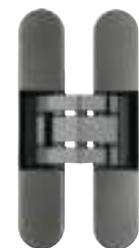
Hinge **IN230120V002**  
Caps **GC230010J005**  
Polished Gold



Hinge **IN230120VM02**  
Caps **GC230010VM02**  
Matt Gold



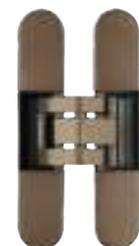
Hinge **IN230120VD02**  
Caps **GC230010JD02**  
Chrome Plated



Hinge **IN230120NE02**  
Caps **GC230010NE02**  
Dark Titanium

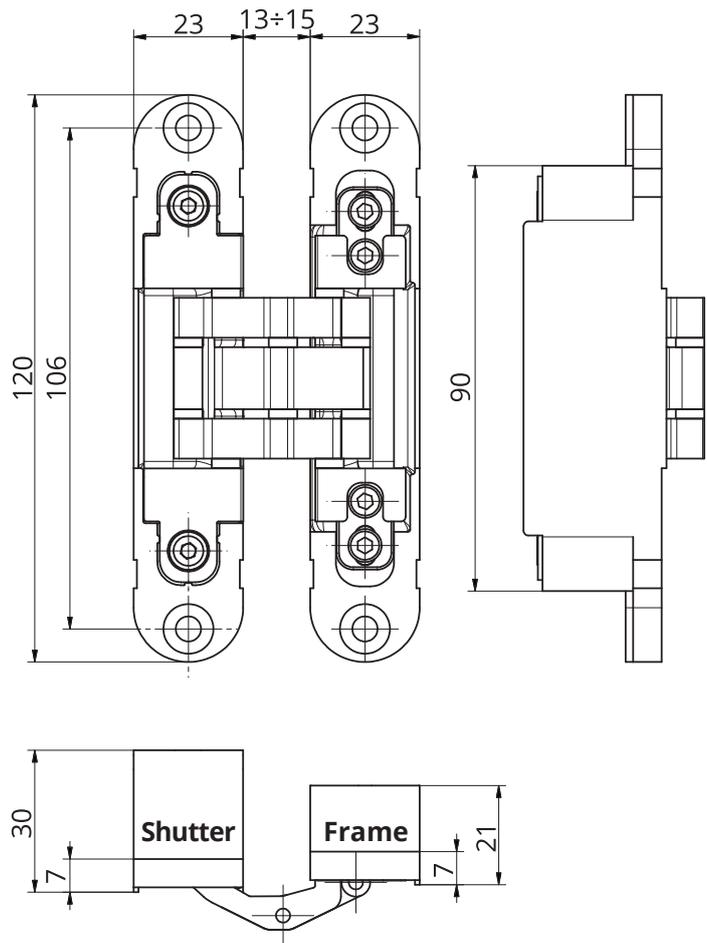


Hinge **IN230120B002**  
Caps **GC2300109002**  
Bronze Plated



Hinge **IN230120VU02**  
Caps **GC230010VU02**  
Light Bronze

# IN235 3D concealed hinge for 40 Kg doors

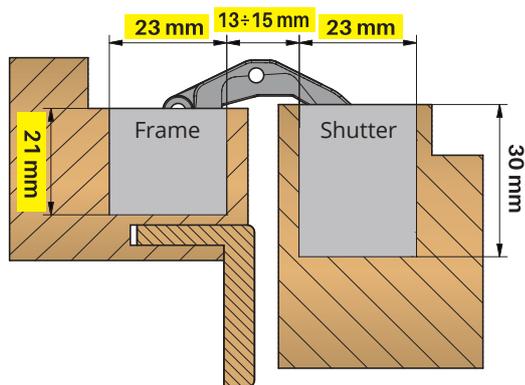


## Technical data

Capacity*	40 Kg
Hinge height	120 mm
Width shutter side	23 mm
Width frame side	23 mm
Depth shutter side	30 mm
Depth frame side	21 mm
Door opening angle	180°
Side adjustment	± 1 mm
Height adjustment	± 2 mm
Depth adjustment	± 1 mm

\* Tested with 90x210 cm doors - For more information on the number of hinges to be used according to the weight and dimension of the door, please see the loading charts available on the website [www.otlav.it](http://www.otlav.it).

## Technical features

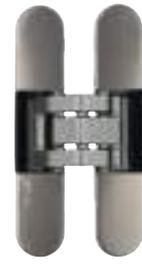


- A **21 mm depth slot** on the frame side makes it unique and enables its perfect integration in reduced spaces. No need to cut the architrave which can be flush mounted.
- Movement on **7 junction fulcrums** equipped with bearing in plastic HT with high resistance and long life.
- Equipped with **3-way adjustments** that can be settled by means of just one 3 mm hex-spanner. Once installed, the door has natural sinking, Invisacta hinge allows to set the door back to the start position.
- During the installation it is possible to **unlock the height adjustment** of the frame part, creating a 4 mm gap, which makes it **easier to insert the hinge** in the slots of the jamb. This is particularly useful in the event that the frame milling are not perfectly aligned with those of the door.
- Material of hinge: Zamak.
- Material of casing: thermoplastic polymer.
- The hinge is reversible.
- Outer casings protect the inner junction fulcrums against rubble coming from door installation works.
- The clamping screws, placed in the outer casings, are not used for hinge adjustment, therefore they remain stable for a long time.
- **Aluminium caps** available to conceal the screws.

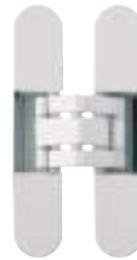
## Finishing



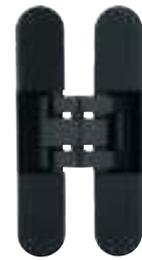
**IN235120V708**  
Satinized Silver Plated



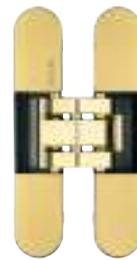
**IN235120VN08**  
Satinized Nickel Plated



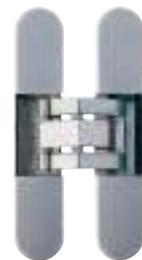
**IN2351209P17**  
White Matt RAL 9016



**IN2351209N07**  
Matt Black



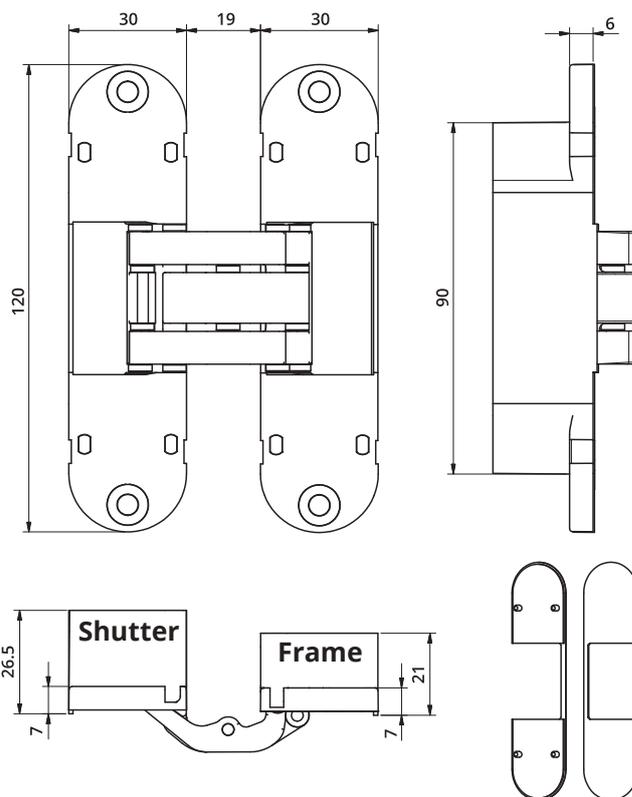
**IN235120VO03**  
Polished Gold



**IN235120H008**  
Zinc Plated

**OTHER KIND OF FINISHING  
AVAILABLE ON REQUEST**

# IN299 Concealed hinge for 40 Kg doors

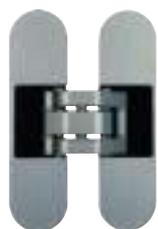


## Technical data

Capacity*	40 Kg
Hinge height	120 mm
Width shutter side	30 mm
Width frame side	30 mm
Depth shutter side	26.5 mm
Depth frame side	21 mm
Door opening angle	180°

\* Tested with 90x210 cm doors - For more information on the number of hinges to be used according to the weight and dimension of the door, please see the loading charts available on the website [www.otlav.it](http://www.otlav.it).

## Finishing

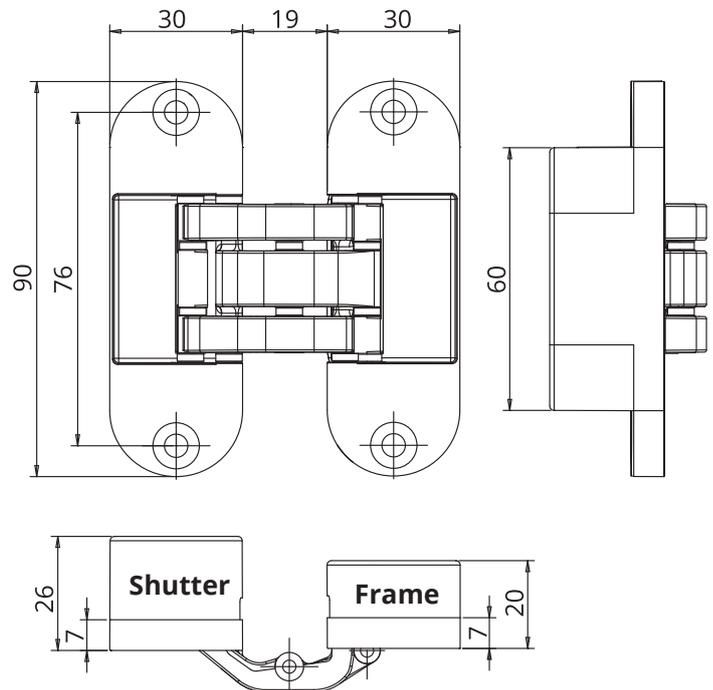


**IN299120V705**  
Satinized silver plated

## Technical features

- A **21 mm depth slot** on the frame side makes it unique and enables its perfect integration in reduced spaces. No need to cut the architrave which can be flush mounted.
- Material of hinge: Zamak and thermoplastic polymer.
- The hinge is reversible, if mounted in the center of the door thickness, allows the **reversibility of the door**, thus enabling the optimization of the stock and logistics at installation.
- Movement on **7 junction fulcrums** equipped with bearing in plastic HT with high resistance and long life.
- Outer casings protect the inner junction fulcrums against rubble coming from door installation works.
- IN303, IN300, IN305 and IN299 models **use the same milling**.

# IN301 Concealed hinge for 40 Kg doors



## Technical data

Capacity*	40 Kg
Hinge height	90 mm
Width shutter side	30 mm
Width frame side	30 mm
Depth shutter side	30 mm
Depth frame side	21 mm
Door opening angle	180°

\* Tested with 90x210 cm doors - For more information on the number of hinges to be used according to the weight and dimension of the door, please see the loading charts available on the website [www.otlav.it](http://www.otlav.it).

## Finishing



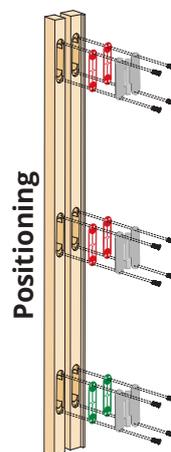
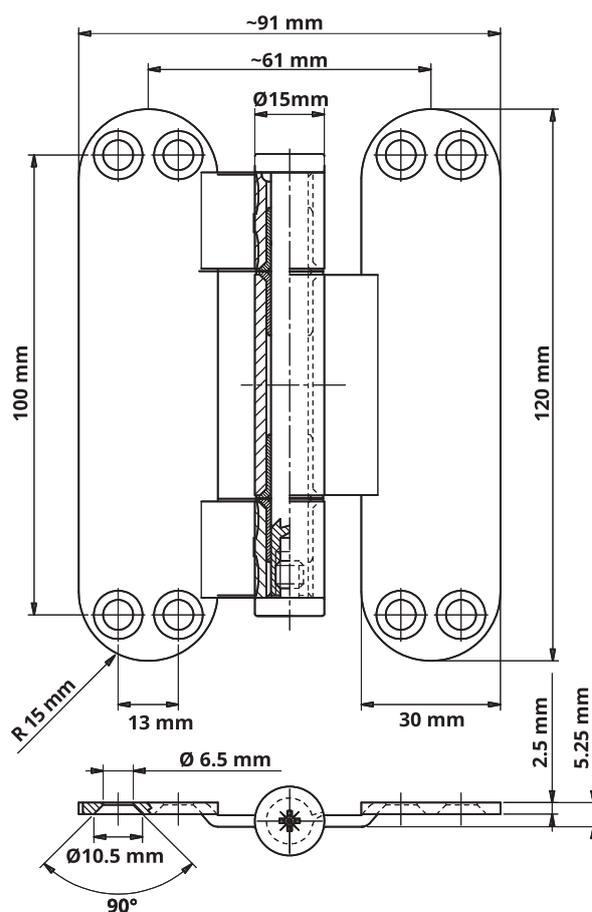
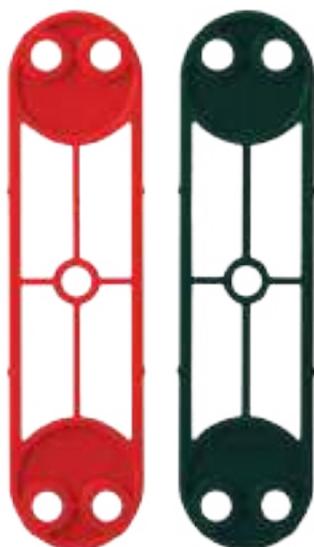
**IN301090V702**

Satinized silver plated

## Technical features

- A **21 mm depth slot** on the frame side makes it unique and enables its perfect integration in reduced spaces. No need to cut the architrave which can be flush mounted.
- Material of hinge: Zamak.
- The hinge is reversible, if mounted in the center of the door thickness, allows the **reversibility of the door**, thus enabling the optimization of the stock and logistics at installation.
- Movement on **7 junction fulcrums** equipped with bearing in plastic HT with high resistance and long life.
- Outer casings protect the inner junction fulcrums against rubble coming from door installation works.

# CI335150N035 Plate hinge for 40 Kg doors



## Technical features

- The hinge is suitable to be installed on doors and frames with IN299, IN300, IN303 and IN305 milling.
- The hinge can be fitted right and left.
- Equipped with spacers that allows to prevent the natural sinking of the door.
- Kit composed by: 3 hinges, 4 green spacer, 4 red spacer and 24 screws

## Technical data

Capacity\* 40 Kg

\* Tested with 90x210 cm doors - For more information on the number of hinges to be used according to the weight and dimension of the door, please see the loading charts available on the website [www.otlav.it](http://www.otlav.it).

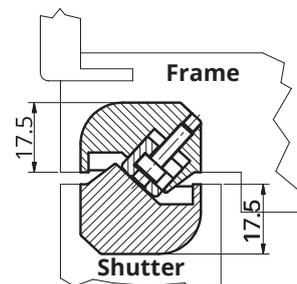
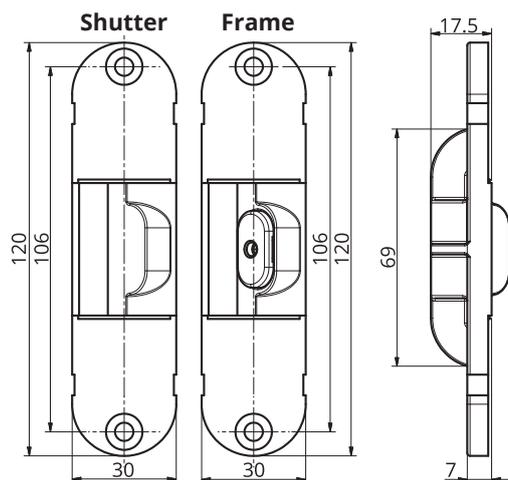
## Finishing

Nickel plated

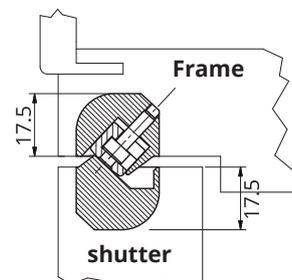
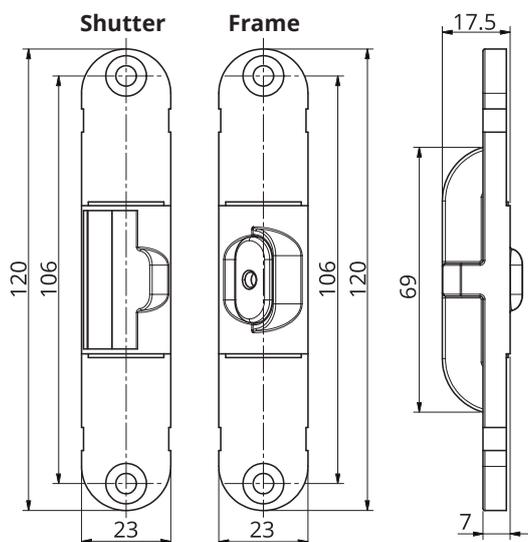
# Alignment device

- The device allows to keep the shutter aligned to the frame, avoiding in this way door deformities.
- Equipped with adjustable tension of the door jamb.
- Aluminium caps available to conceal the screws.

## **AI300** Compatible with milling of IN300, IN305 and IN303 hinges



## **AI230** Compatible with milling of IN230 and IN235 hinges



# Accessories

## Plate



**JC522**  
Fixing plate for IN310

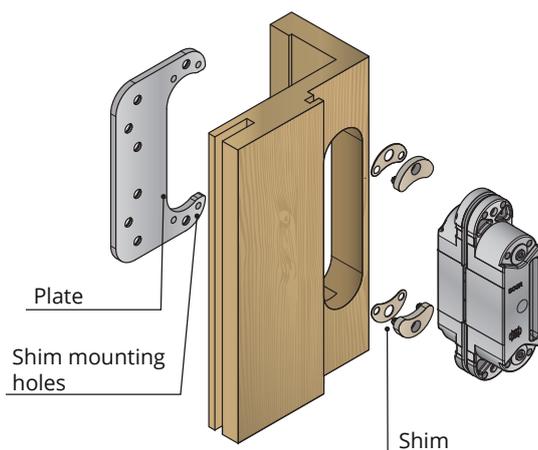


**NP120040H502**  
Plate for IN299, IN300, IN303 and IN305 hinges

**NP120040H504**  
Plate for IN230 and IN235 hinges



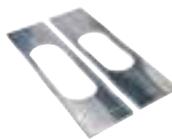
**PP02**  
Shim to set up the plate NP120



## Jigs



**MUDIMINVG002**  
Aluminium holder for template guides



**MUMAS230G002**  
Aluminium guides for IN230 and IN235

**MUMAS300G002**  
Aluminium guides for IN299, IN300, IN303 and IN305

**MUMAS310G002**  
Aluminium guides for IN310



**MUBAS500G002**  
Nylon holder for template guides

**MUMAS230W004**  
Nylon guides for IN230 and IN235



**MUMAS300R004**  
Nylon guides for IN299, IN300, IN303 and IN305

**MUMAS310N004**  
Nylon guides for IN310

## Wedge



**PP105050Y202**  
Wedge with 5 spacers

## Cap



**TP230120Z002**  
Nylon cap for IN230 and IN235 holes



19/07/24



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