

Hinges for **PVC**



*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 m² warehouse was purchased next to the production site;

In 2023, the 6,000 m² expansion work on the east side was completed. In 2025, an additional 4,500 m² warehouse was purchased on the west side. The current area occupied by OTLAV plant is 73,000 m², 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.

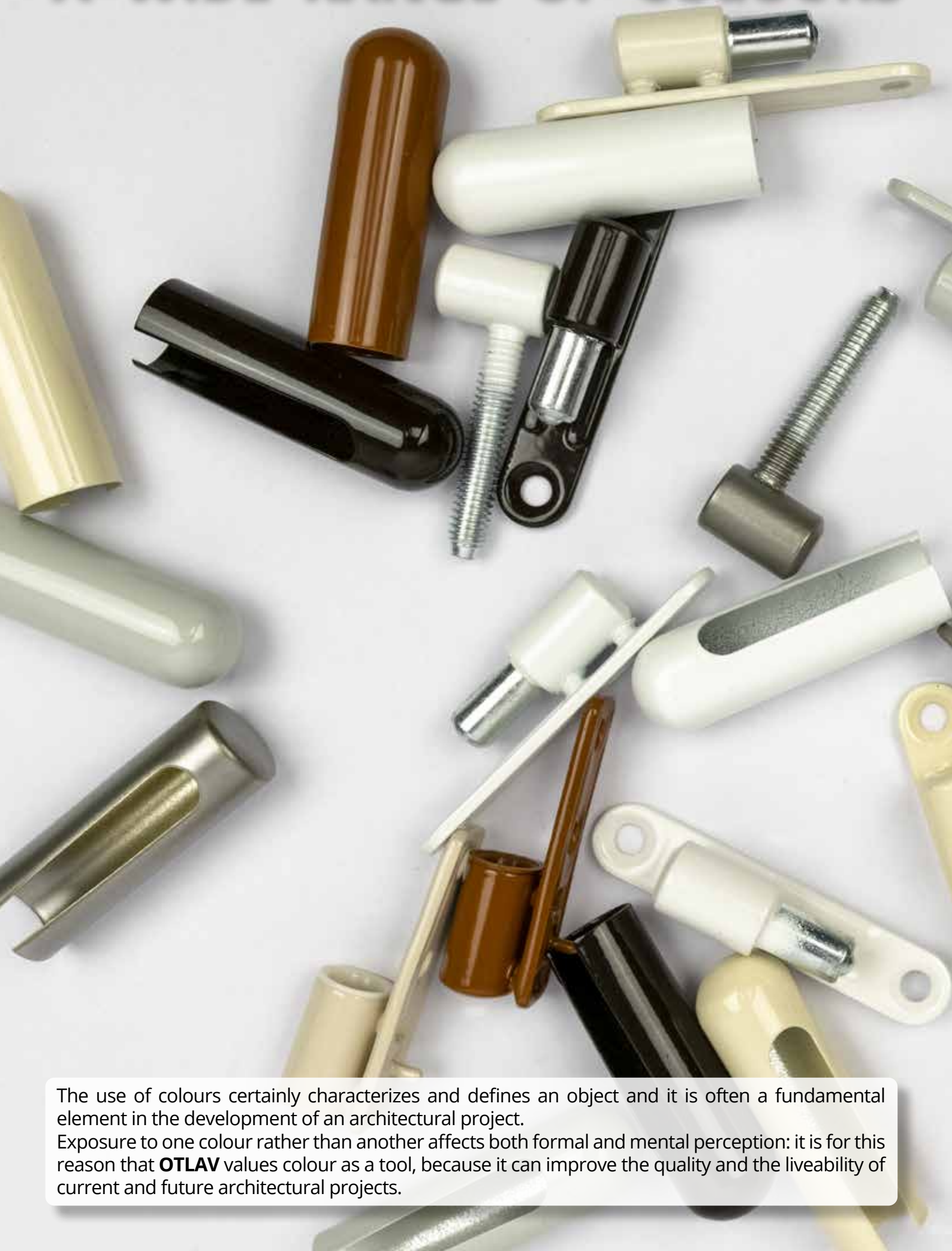
EC Certificates and Performance Declarations

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)

A WIDE RANGE OF COLOURS



The use of colours certainly characterizes and defines an object and it is often a fundamental element in the development of an architectural project. Exposure to one colour rather than another affects both formal and mental perception: it is for this reason that **OTLAV** values colour as a tool, because it can improve the quality and the liveability of current and future architectural projects.

473 TRIXACTA Ø18



TRIXACTA guarantees top quality and reliable performance, and has passed CE tests for a **capacity of 160 kg.**

TRIXACTA facilitates rapid installation on **European groove profiles with 13mm axis**, adjustable on three axes by means of a single 4mm hex wrench. The end caps are available in several finishes to provide versatile, elegant and modern design.

FINISHING



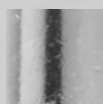
White Plastified
RAL 9016



Grey Plastified
9F

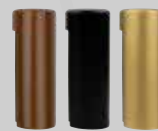


Satinized
Silver



Zinc
Plated

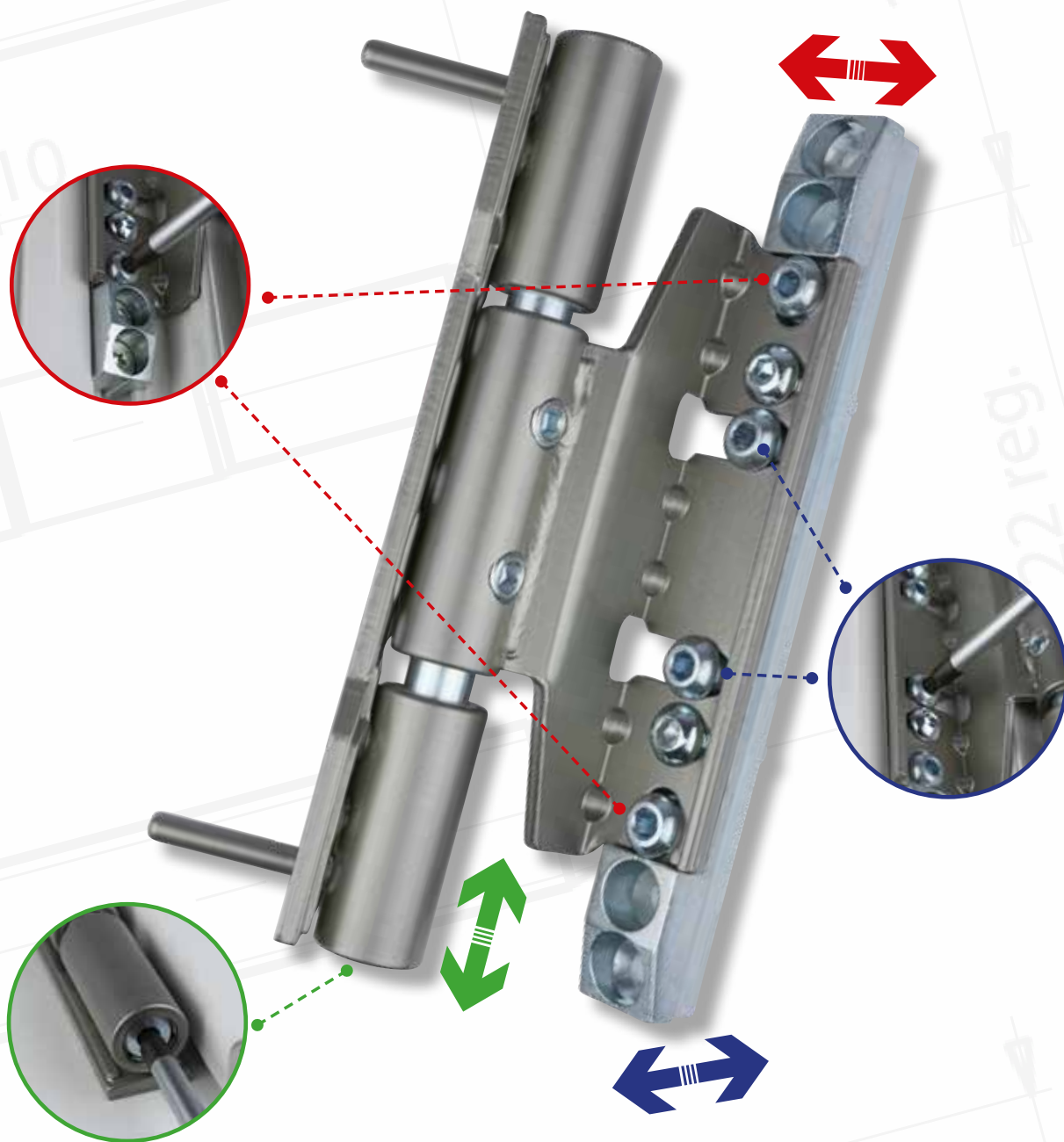
CAPS



JT JZ PI

473Ø19 Aluminium

473 Trixacta Ø18



 **CAPACITY***
160 Kg

 $\pm 4,0$ mm

CE

ADJUSTMENTS

- Height
- Side
- Depth

473 TRIXACTA Ø16



TRIXACTA Ø16 is a three parts hinge made up of a central bush with 3 pins and a two lateral bushes with plate equipped with 3 fixing holes and two pegs.

Stability, capacity and perfect alignment of the door are guaranteed; the hinge is suitable for heavy duty doors. TRIXACTA Ø16 is height and side adjustable by means of a single 4mm hex wrench. A **nylon cover allows to conceal the central three pins**, the end caps are available in several finishes to provide versatile, elegant and modern design.



White Plastified
RAL 9016

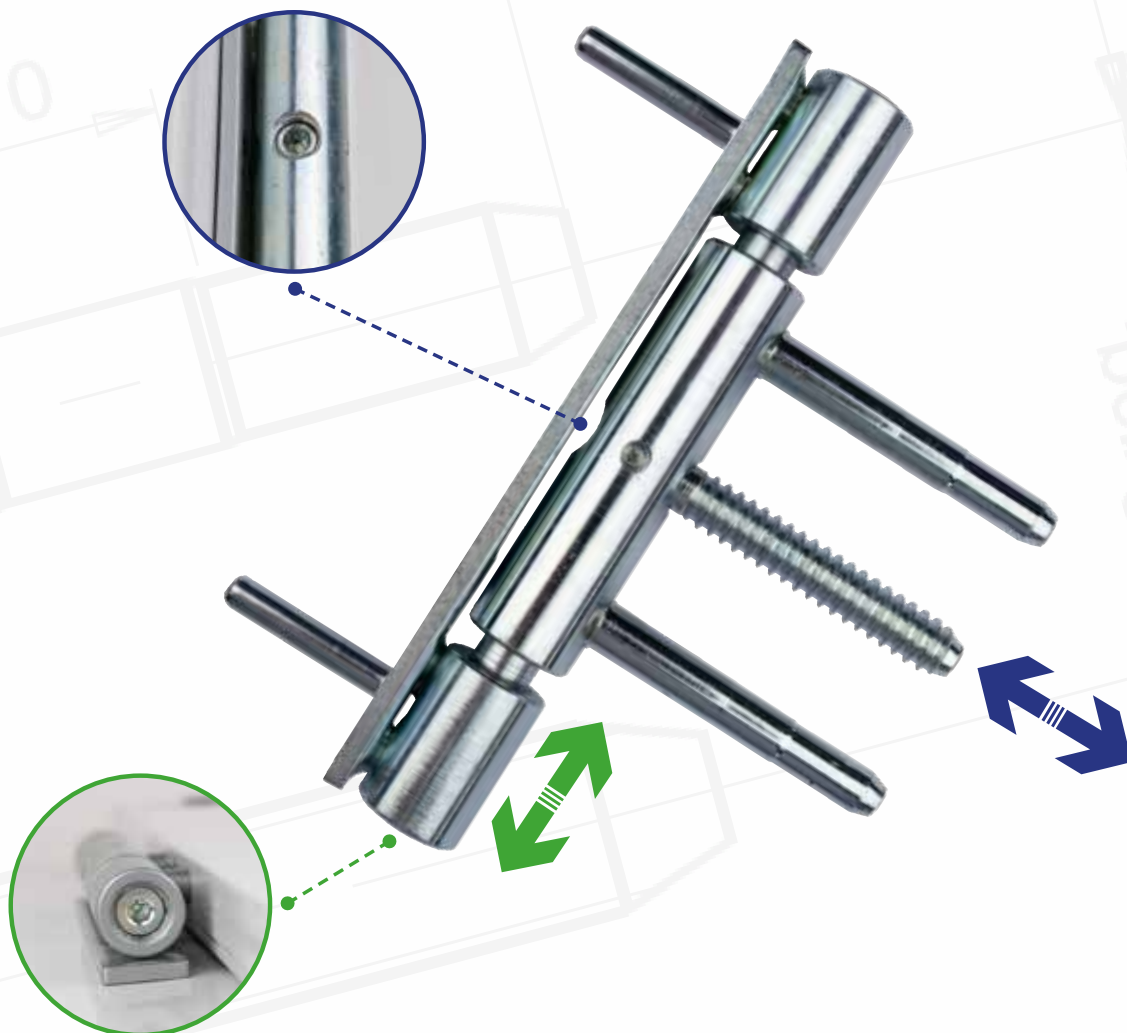


Grey Plastified
9F



Satinized
Silver

473 Trixacta Ø16



 **CAPACITY***
120 Kg

 **±4,0 mm**

ADJUSTMENTS
● Height
● Side

* 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.

R3 ROLLACTA



Designed to fulfill modern design needs and high quality manufacturing standards, Rollacta is the ideal solution for uPVC doors.

The special **cylindrical shape** blends seamlessly with sash and frame **for elegant door** design solution and always leaves **the seal unscathed** ensuring high thermal and acoustic insulation values.

FINISHING



White Plastified
RAL 9016

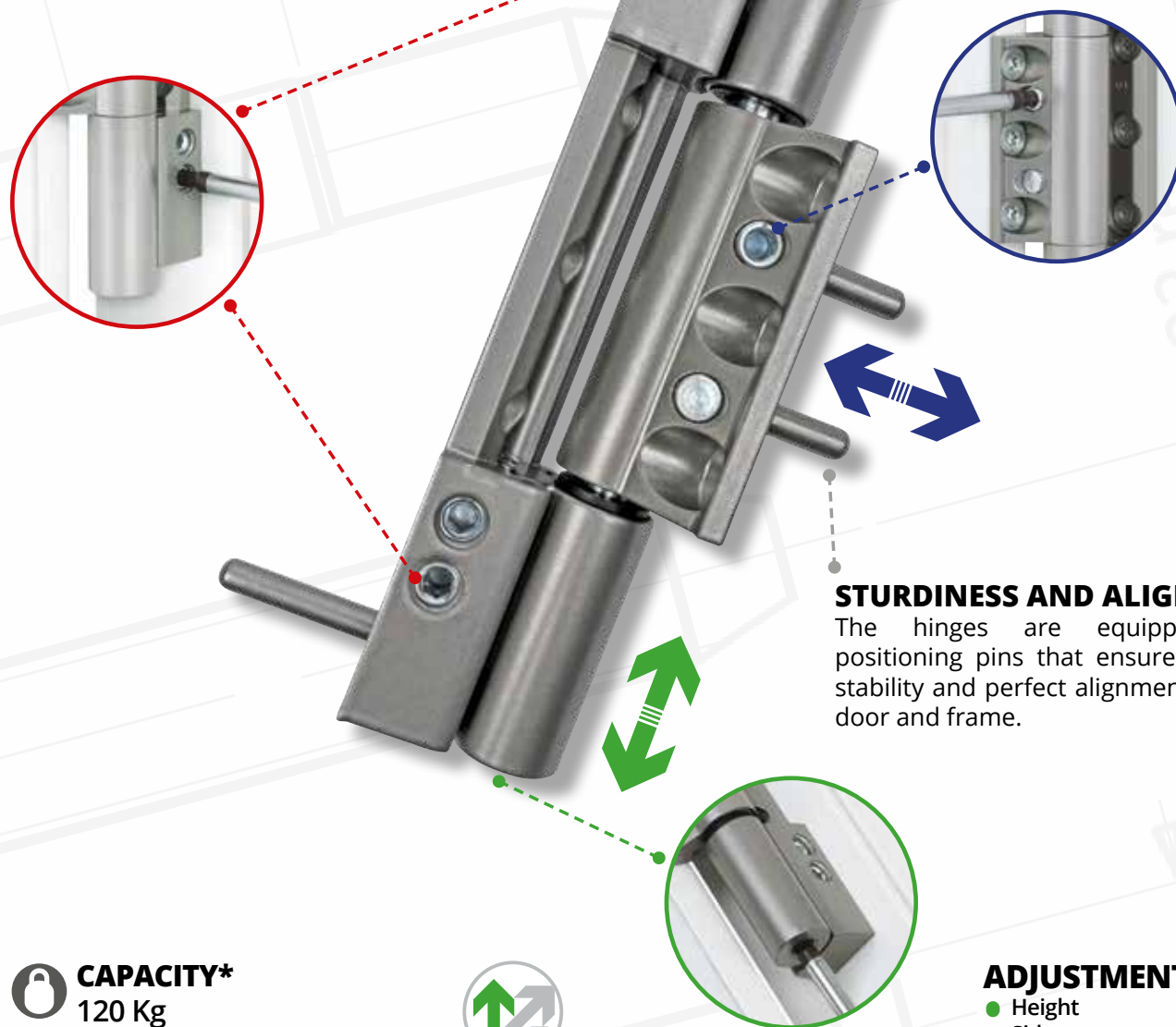


Grey Plastified
9F

R3 Rollacta

EASY TO INSTALL

Thanks to a special coupling system directly on the door profile with 5 mm holes, the Rollacta hinge is especially convenient for door makers because it allows easy and economical installation.



STURDINESS AND ALIGNMENT

The hinges are equipped with positioning pins that ensure excellent stability and perfect alignment on both door and frame.

CAPACITY*
120 Kg



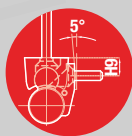
ADJUSTMENTS

- Height
- Side
- Depth

Available in 6 different versions that enable the use on the most common PVC profiles



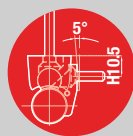
Height 9 mm
Not Inclined



Height 9 mm
Inclined 5°



Height 10,5 mm
Not Inclined



Height 10,5 mm
Inclined 5°



Height 12 mm
Not Inclined



Height 12 mm
Inclined 5°

* 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.

483 BIXACTA



CE certified hinge, the door part is suitable to be fitted in the European groove **axis 13 mm or axis 9 mm with 12 mm clearance**. The male part is available with three different types of pegs and two plate models. Discreet, elegant hinge distinguished by ease of installation and **three-dimensional adjustment** with the door fitted. Available in different kind of finishing, suitable for wooden door equipped with European groove.

FINISHING



Zinc plated



White Plastified
RAL 9016



White Plastified
RAL 9010



Grey Plastified
9F

483 Bixacta



ADJUSTMENTS

- Height
- Side
- Depth

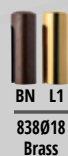


+5 mm

CAPACITY*
80 Kg



CAPS



* 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.

487 URSUS-PVC



URSUS-PVC is made up of a female with 3 pins and a male part with plate and 4 fixing holes: stability, capacity and perfect alignment of the door are guaranteed; this hinge is suitable for heavy duty doors and for particularly large doors. Discreet and elegant hinge distinguished by ease of installation and **three-dimensional adjustment** with the door fitted. Suitable also for wooden door.

FINISHING

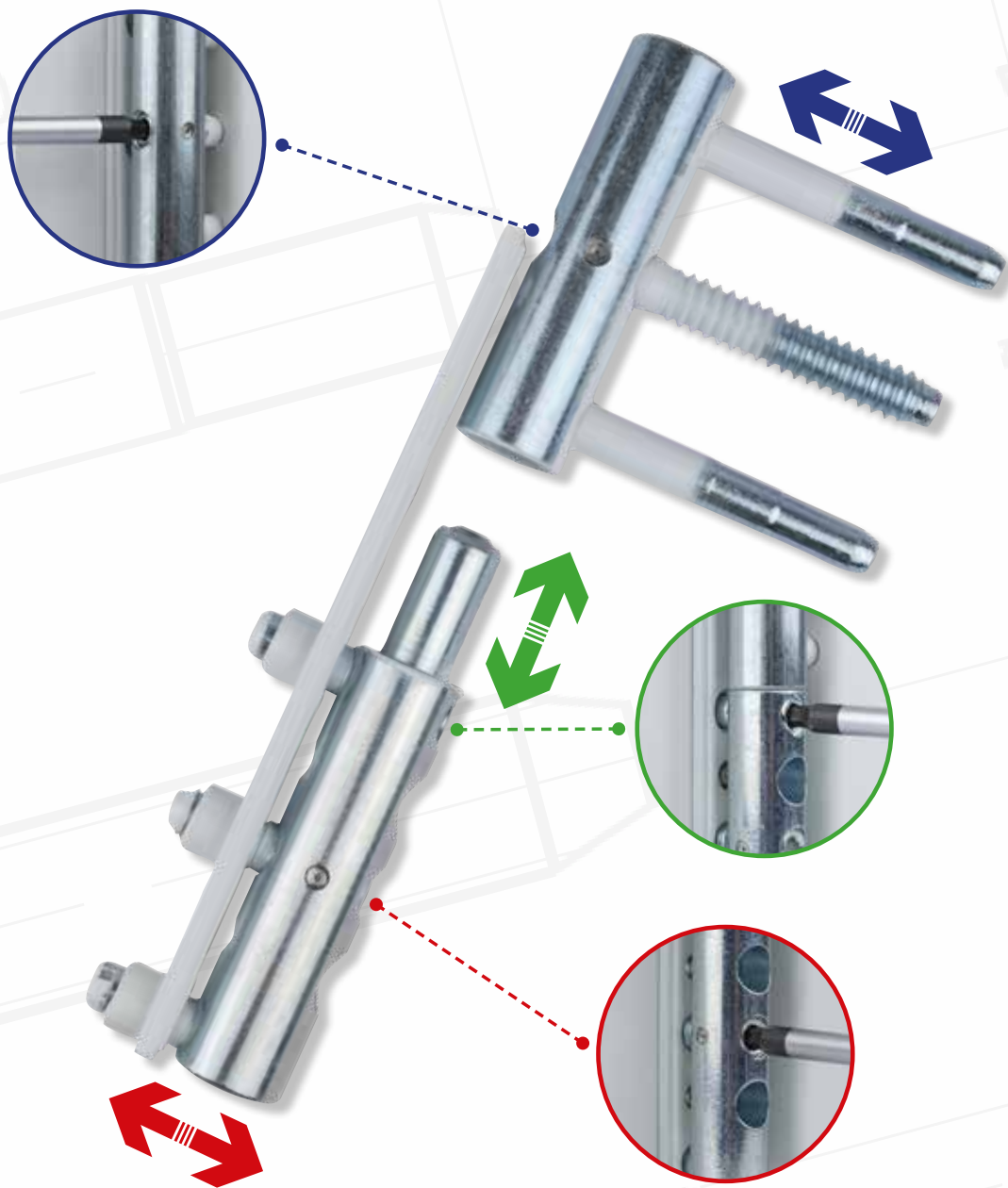


White Plastified
RAL 9016



Plastifié Gris
9F

487 URSUS-PVC



 **CAPACITY***
120 Kg



ADJUSTMENTS

- Height
- Side
- Depth

+5 mm

486 MIXACTA 3D



Discreet, elegant hinge distinguished by ease of installation and three-dimensional adjustment with the door fitted.
Available in diameters 16 and 14mm.

FINISHING for Ø16



White Plastified
RAL 9016



Grey Plastified
9F

for Ø14



White Plastified
RAL 9016

CAPS for Ø14



838Ø15
Aluminium



838Ø16
Brass



838Ø16
Nylon

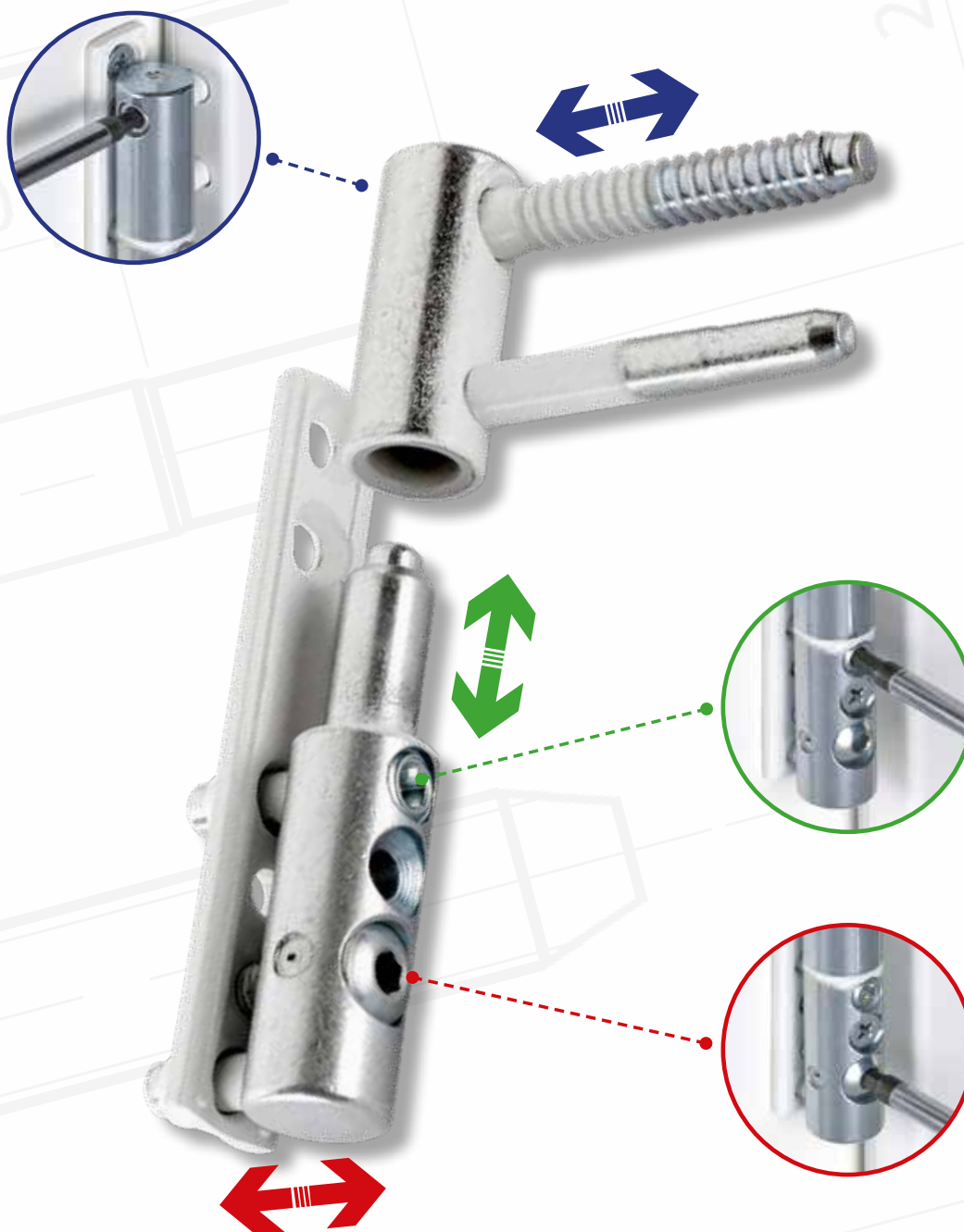


839Ø16
Brass



846Ø15
Aluminium

486 Mixacta 3D



CAPACITY*

Ø16: 80 Kg

Ø14: 60 Kg



+5 mm

ADJUSTMENTS

- Height
- Side
- Depth

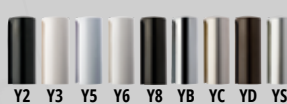
CAPS for Ø16



838Ø17
Aluminium



838Ø18
Brass



838Ø18
Nylon



839Ø18
Brass



846Ø17
Aluminium

* 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.

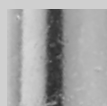
482 MIXACTA 2D



Discreet, elegant hinge distinguished by ease of installation and adjustment on two axes with door fitted. The male part is available with three different types of pegs and two plate models. Mixacta 482 is available with a diameter of Ø16 and on demand can be supplied with a diameter 14 mm.

FINISHING

for Ø16



Zinc plated



White Plastified
RAL 9016

for Ø14



White Plastified
RAL 9010

CAPS

for Ø14



J7 JO JT JZ PI 9N
838Ø15
Aluminium



BN L1
838Ø16
Brass



Y2 Y3 Y6 YD YS
838Ø16
Nylon



BN L1 PG
839Ø16
Brass



J7 JA JT PI
846Ø15
Aluminium

482 Mixacta 2D



CE



+5 mm

ADJUSTMENTS

- Height
- Side



CAPACITY*

Ø16: 100 Kg
Ø14: 60 Kg



FEMALE PIN

Ø14 - 7,8 x 2 a.f. x 45
Ø16 - 7,8 x 2 a.f. x 45
Ø16 - 7,8 x 2 a.f. x 38



MALE
Pegs Ø8x26



MALE
Pegs Ø5x26



MALE
Pegs Ø2,5x4



MALE
Standard plate



MALE
Reduced plate

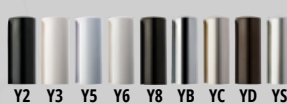
CAPS for Ø16



838Ø17
Aluminium



838Ø18
Brass



838Ø18
Nylon



839Ø18
Brass



846Ø17
Aluminium

* 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.

P09 Ø13



Hinge Ø13 mm comprising a male part on a plate and a female M7x40 mm pin.

FINISHING



White RAL9016



White RAL9010



Grey Plastified RAL7035

CAPS



RAL9010



RAL9016

818 Ø15

Nylon cap for P09 plastified

P36 Ø13



Hinge Ø13 mm comprising a female part on a plate with nylon bush, to provide excellent spin and collar sliding to conceal any play between the male and female parts.
Male M7x40 mm pin.

FINISHING

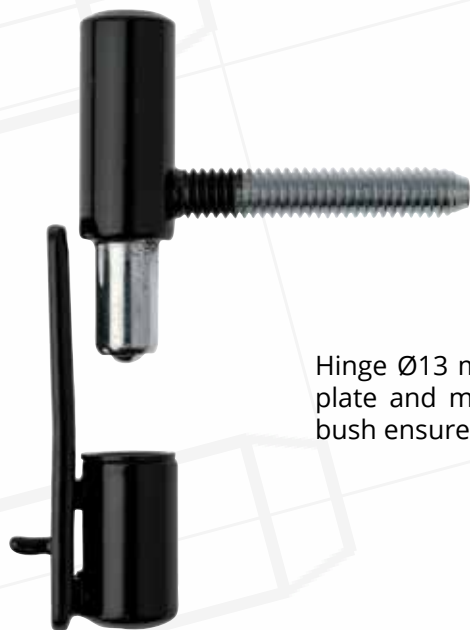


White
RAL9010



Grey Plastified 9F

P38 Ø13



Hinge Ø13 mm comprising female part on plate and male M7x40mm pin. The nylon bush ensures excellent pin sliding.

FINISHING



White
RAL9016



White
RAL9010



Grey Plastified
RAL7035



Grey Plastified 9F



Black Plastified



Clay Brown Plastified
(Ral 8003)

P38 Ø13



Hinge Ø13 mm comprising a female part on a plate and a male **anti-unthreading** M7x40 mm pin. The nylon bush ensures excellent pin sliding.

FINISHING



White
RAL9016



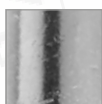
White
RAL9010

P50 Ø15



Hinge Ø15 mm comprising a male part on a plate and a female M7x40 mm pin.

FINISHING

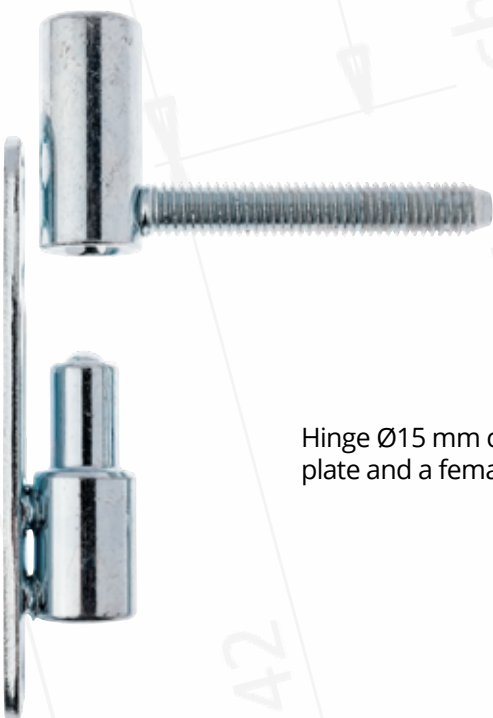


Zinc Plated

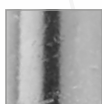


White
RAL9010

P50 Ø15



Hinge Ø15 mm comprising a male part on a plate and a female M8x50 mm pin.



Zinc Plated

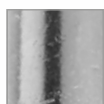


White
RAL9010

P50 Ø15



Hinge Ø15 mm comprising a female and male part on a plate.



Zinc Plated



White
RAL9010

P50 Ø15



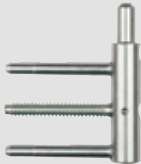
Stainless steel hinge Ø15 mm comprising a male part on a plate and a female M7x40 mm pin. The nylon bush ensures excellent pin sliding.



Matt Stainless Steel

Possible Combinations

Exacta - Bixacta - Ursus

 MALE URSUS Ø16	 URSUS Ø16 3D adjustable hinge with 5 pins	 MIXACTA 483 3D adjustable hinge for profiles with European groove with 13 mm axis	 MIXACTA 483 3D adjustable hinge for profiles with European groove with 9 mm axis
	 EXACTA Ø16 3D adjustable hinge with 4 pins	 MIXACTA 483 3D adjustable hinge for profiles with European groove with 13 mm axis	 MIXACTA 483 3D adjustable hinge for profiles with European groove with 9 mm axis
	 MIXACTA 482 2D adjustable hinge with plate	 BIXACTA 483 3D adjustable hinge for profiles with European groove with 13 mm axis	 BIXACTA 483 3D adjustable hinge for profiles with European groove with 9 mm axis
	 MALE BIXACTA Ø16 PEGS Ø5x26	 BIXACTA 483 3D adjustable hinge for profiles with European groove with 13 mm axis	 BIXACTA 483 3D adjustable hinge for profiles with European groove with 9 mm axis
MALE FEMALE	 FEMALE EXACTA Ø16	 FEMALE BIXACTA Ø16 AXIS 13 mm	 FEMALE BIXACTA Ø16 AXIS 9 mm

19/07/24



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