

SUMMA / SUMMA+ / SUMMA+ / SUMMA+ AXIAL



RANGE OF ADJUSTABLE HEAVY HINGES FOR DOORS BUILT WITH WINDOW PROFILES

- > Fixing with easy and simple installation
- > Easy and independent adjustments
- > Capacity tested as per standard EN 1935 : 2002
- > Broad range for all profiles
- > Three different solutions with distinct features

SUMMA+ AXIAL

WITH COUNTER-PLATES
INSERTABLE ON FULLY
ASSEMBLED FIXTURE AND
REALIGNABLE ONCE ADJUSTED
WITH THE OPENING.

SUMMA+

WITH COUNTER-PLATES
INSERTABLE ON
ASSEMBLED FIXTURE.

SUMMA

WITH PRE-ASSEMBLED
COUNTER-PLATES WITH
QUICK COUPLING.

SWIFT

FEATURES OF SUMMA+ AXIAL and SUMMA+

- Applicable to assembled fixture thanks to the special shape of the extruded profile and counter-plates in stainless steel.

FEATURES OF SUMMA:

- Quick coupling of hinge to profile (pre-assembled counter-plates in stainless steel).

ADJUSTMENTS

SUMMA+ AXIAL	SUMMA+	SUMMA
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+/- 1,6 mm	+/- 1,6 mm	+/- 1,6 mm
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0/-0,5 mm	0/-0,5 mm	0/-0,5 mm
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0/+3 mm	-1/+3 mm	-1/+3 mm
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Three simple, comfortable and independent adjustments:

- lateral adjustment performable on installed door by working the cam bush without changing pressure of the gaskets. .

- adjustable closing pressure: simply rotate the eccentric bush to reduce pressure in the gaskets.

- adjustable height: simply work on the vertical grub screw to change the vertical height of the door.

CAPACITY AND STURDINESS

STANDARD FEATURES:

- The lifted toothed part of the counter-plate dents the surface when fitting it onto the profile, hindering its vertical slide.
- The hinge's endurance allows it to sustain high capacities 100 Kg with 2 winged hinges and 3 hinges (2 wings) to reach up to 120 Kg.
- Capacity has been tested in accordance with EN 1935:2002 "Single axis hinge".

FEATURES OF SUMMA+ AXIAL/SUMMA+ :

- Special new patented fix Improves fixing even on thin profiles.



CE Certification - EN 1935:2002



Certificat

Certificate

Compliance Certificate with the standard EN 1935
Single axis hinges

Issued pursuant to the transposition decree n° 92-647 of 8 July 1992, modified by the decrees n° 95-1051 of 20 September 1995 and n° 2003-947 of 3 October 2003, concerning the suitability of construction products, and article 14(1)(b) of the 89/106/EEC Construction Products Directive of 21 December 1988, amended by the 93/68/EEC Directive of 22 July 1993.

Issued by: Notified organization :
Identification number:
Address:

Issued by: Company :
Address:

Products description: See appendix at

AFNOR Certification certifies that the products mentioned in annex ZA of the standard
EN 1935:2002+AC

This certificate authorizes the manufacturer or its representative to use the CE mark.

Certificate number : CPD40 - 140016

Validity conditions and duration of the certificate :
This certificate was issued for the first time on :

It shall remain valid until it is canceled or withdrawn subsequent to changes being made to the products, to production, or to products.

It cancels and replaces the certificate issued :

Certificate issued date:



GB

11 rue Francis de Pressensé - 93571 La Plaine Saint-Denis Cedex - France
SAS au capital de 100 000 €



Certificat

Certificate

Compliance Certificate with the standard EN 1935
Single axis hinges

Appendix (1page)

Company : SAVIO S.p.a.
Certificate number : CPD40 - 140016
Certificate issued date: 19/08/2011

Products description:

Identification of the certified products (References)	Description of the products (Classification)	Place of manufacturing	Use of the products
SUMMA : 1124.30 1124.33	4 7 5 0 1 4 0 12 4 7 5 0 1 4 0 12	Chiusa San Michele	Serviceability on door unit on evacuation routes
SUMMA + : 1124.40 1124.41 1124.43	4 7 5 0 1 4 0 12 4 7 5 0 1 4 0 12 4 7 5 0 1 4 0 12		
SUMMA + AXIAL : 1124.70 1124.71 1124.73	4 7 5 0 1 4 0 12 4 7 5 0 1 4 0 12 4 7 5 0 1 4 0 12		

AFNOR Certification hereby certifies that the products given in this annex meet the requirements of annex ZA of the standard
EN 1935:2002+AC:2003

This annex cannot be submitted nor reproduced without the document to which it refers.



GB

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SAS au capital de 18 187 000 € - 479 076 002 RCS Bobigny - www.afnor.org

Managing Director

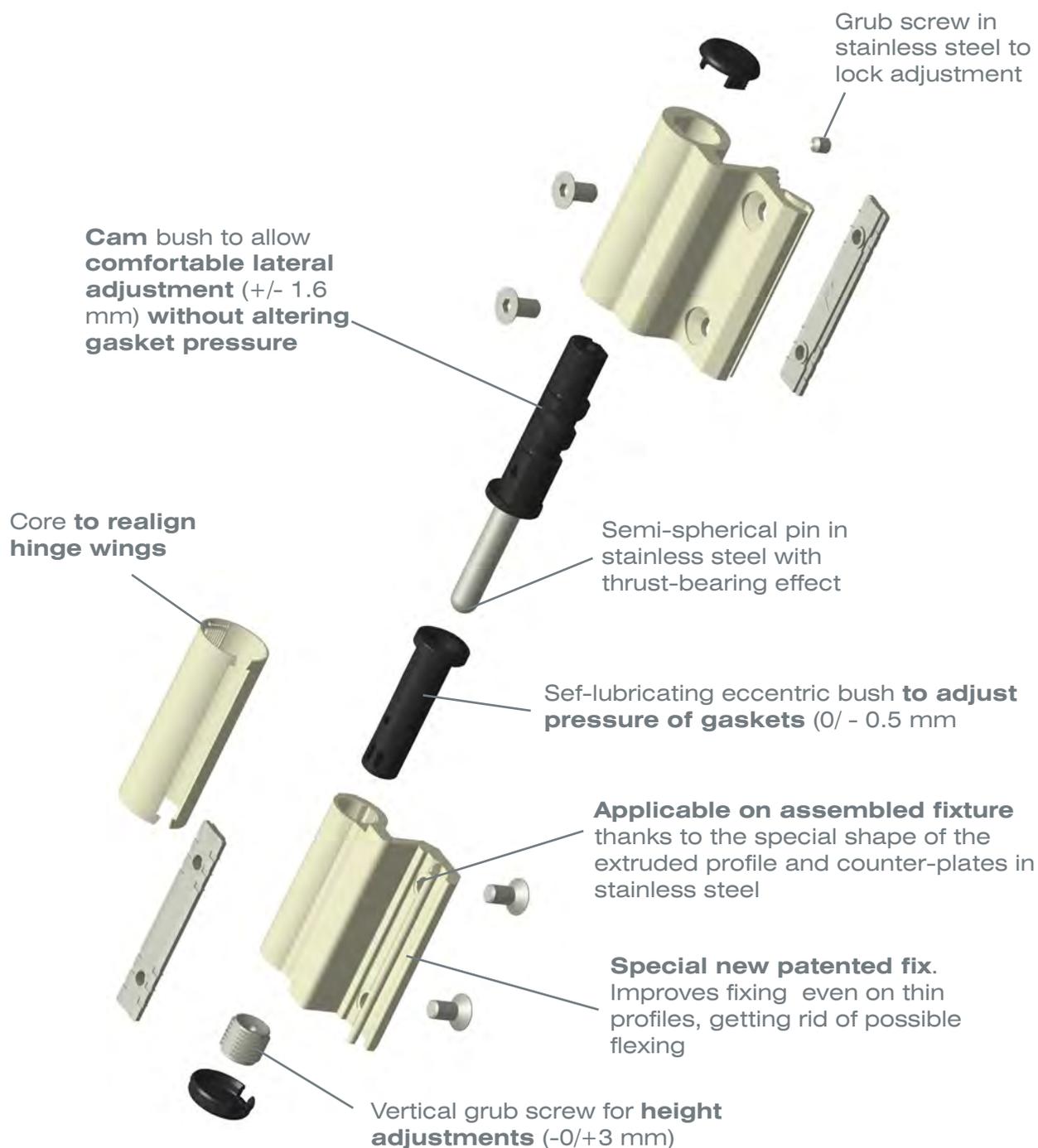


Florence MÉAUX

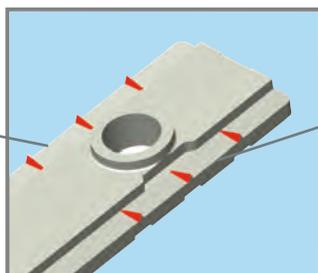


afnor
CERTIFICATION

SUMMA+ AXIAL Heavy hinges

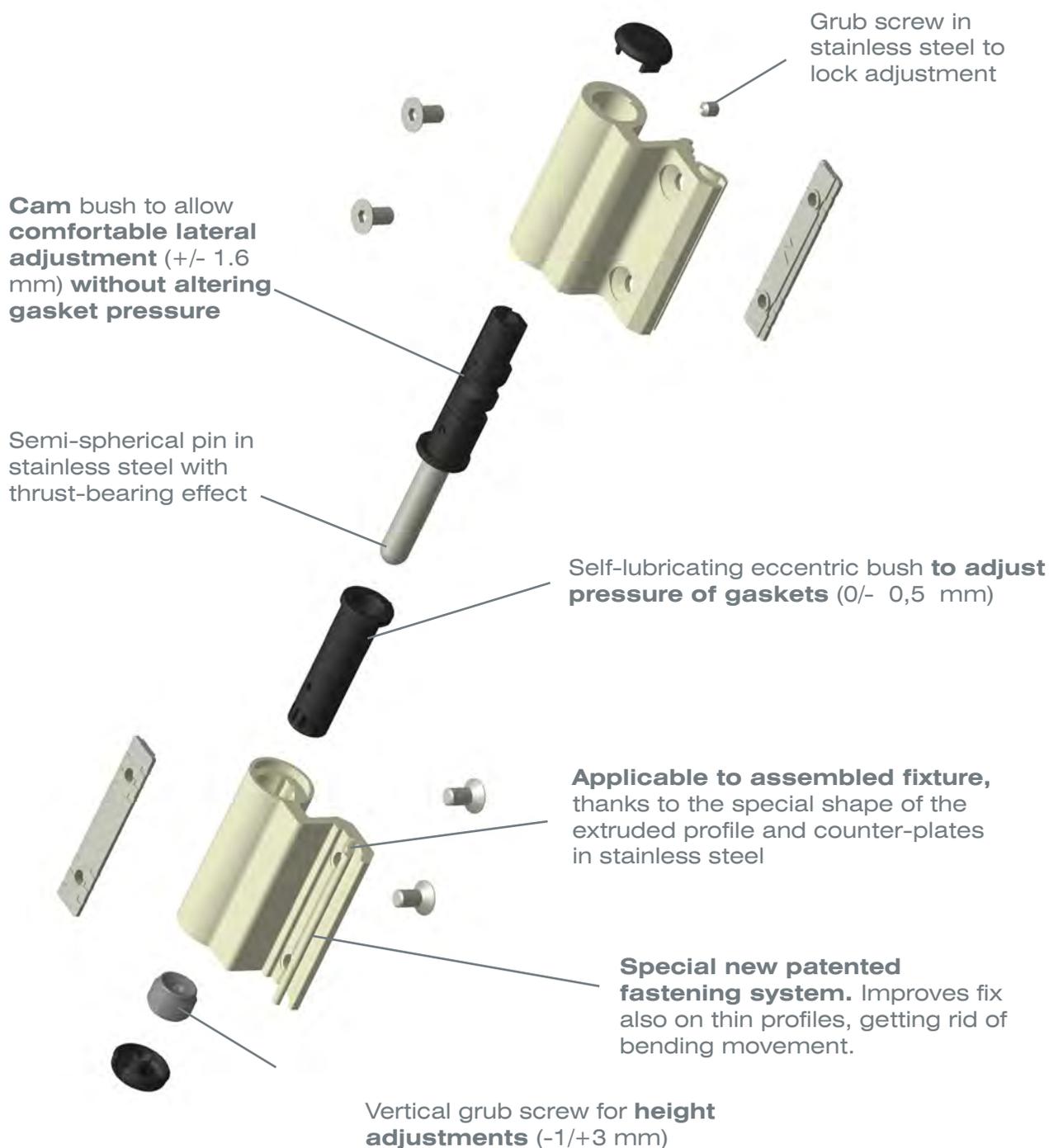


Counter-plates in stainless steel for improved resistance to corrosion and a more solid, durable fix.

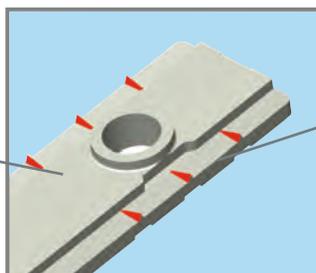


The fixing area on the profile has a **toothed section** that dents the profile, **preventing vertical slide** of the hinges

SUMMA+ Heavy hinges

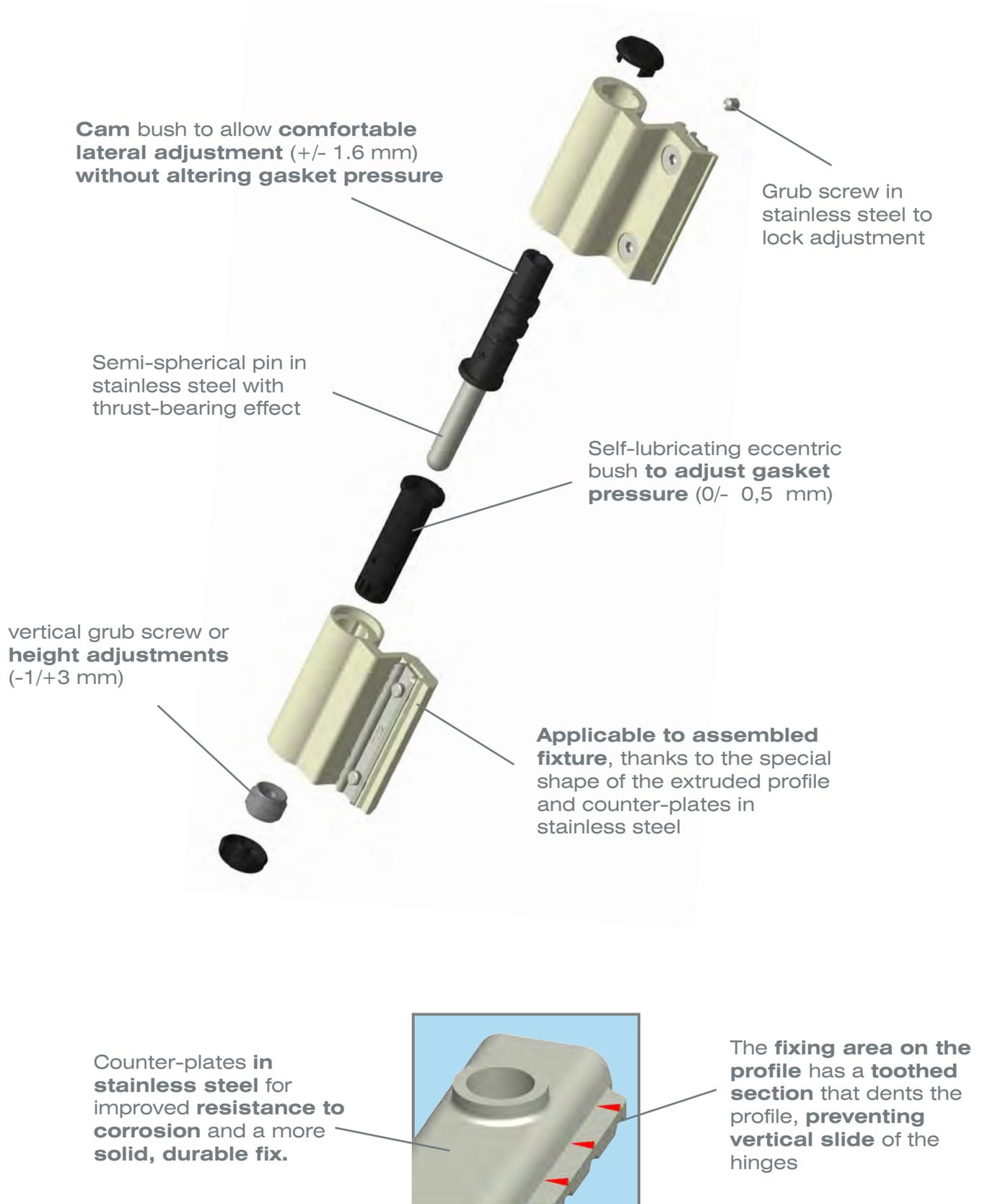


Counter-plates in **stainless steel** for improved **resistance to corrosion** and a more **solid, durable fix.**

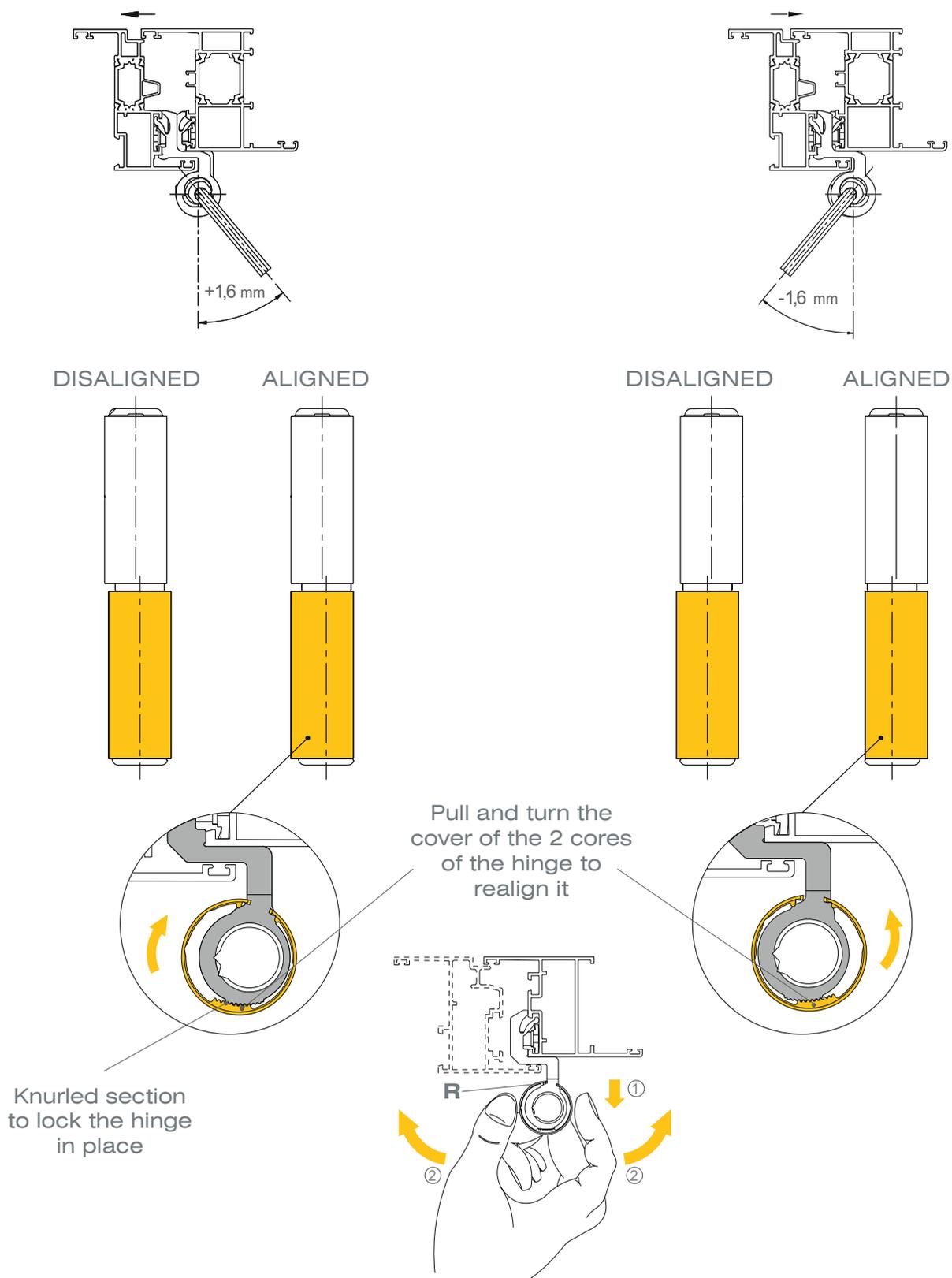


The **fixing area on the profile** has a **toothed section** that dents the profile, **preventing vertical slide** of the hinges

SUMMA Heavy hinges



Hinge core re-alignment on SUMMA+ AXIAL



After you have adjusted the hinge with the opening in order to realign the cores, pull and turn cover **R**.

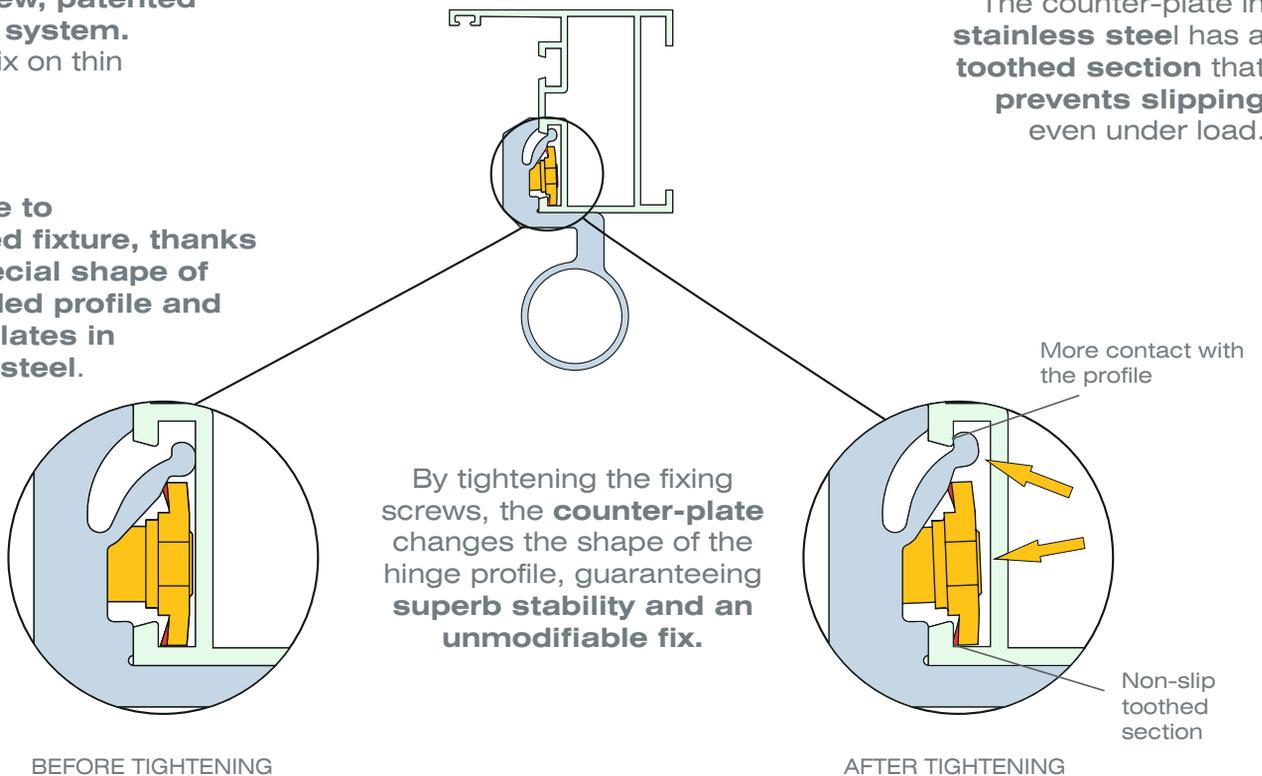
SUMMA+ and SUMMA+AXIAL

New, patented fastening system

Special new, patented fastening system.
Improves fix on thin profiles.

Applicable to assembled fixture, thanks to the special shape of the extruded profile and counter-plates in stainless steel.

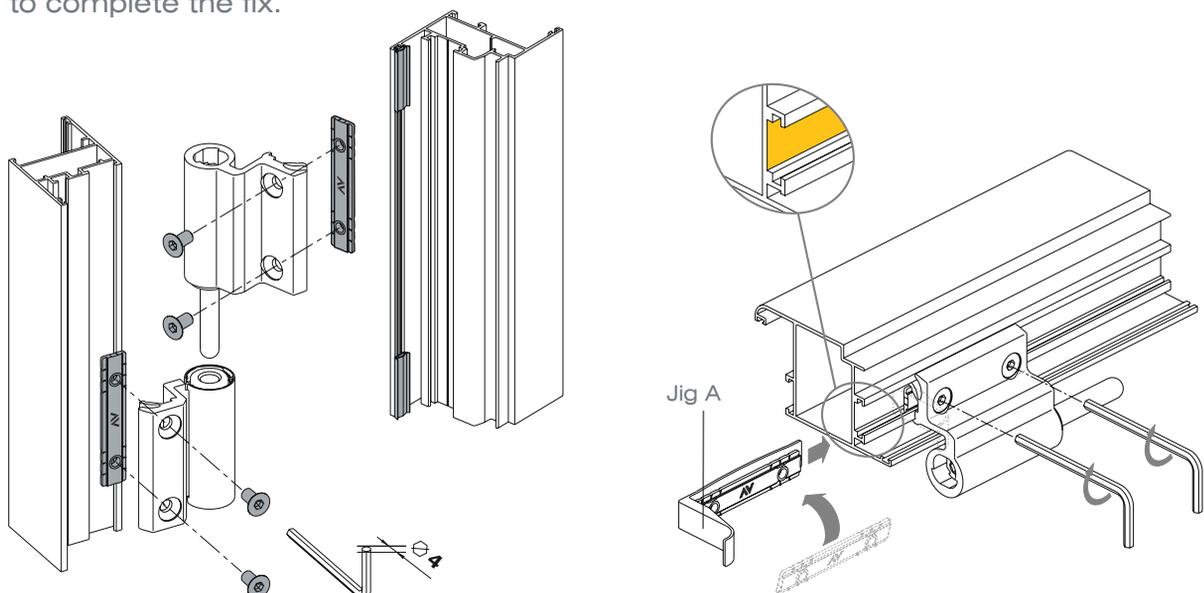
The counter-plate in **stainless steel** has a **toothed section** that **prevents slipping** even under load.



Fixing

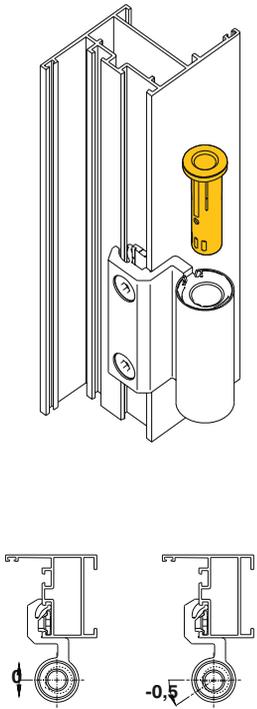
Fasten the wing of the hinge to the profile and after having slid the counter-plate (*) under the extruded part, Use the screws to complete the fix.

(*) N.B.: for an easier fixing procedure, in case of profiles with a low bottom, we recommend that you use the relevant template "A".

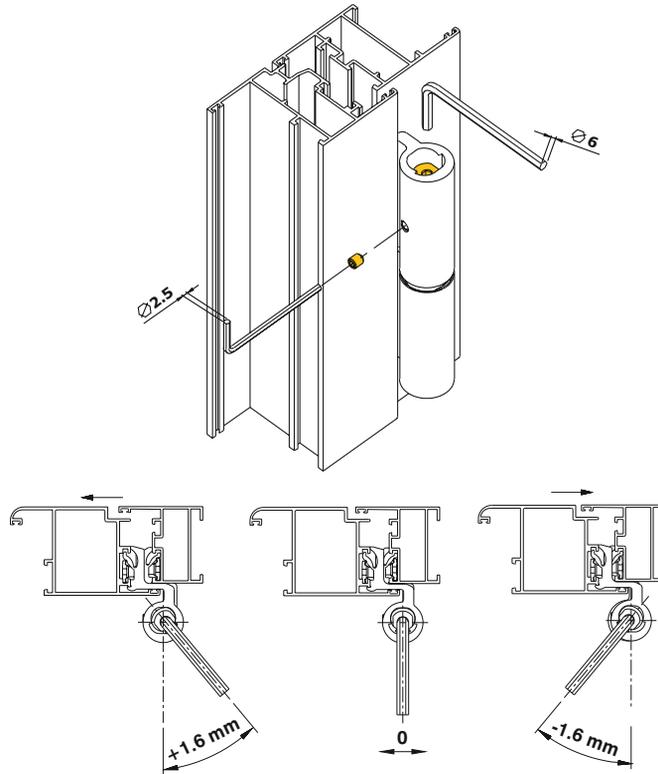


SUMMA+ AXIAL adjustments

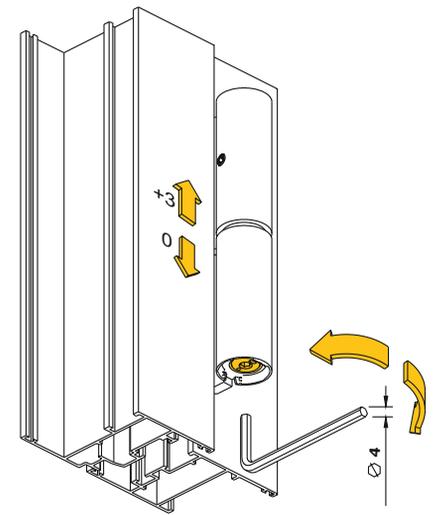
CLOSING PRESSURE
ADJUSTMENT
(0/-0,5 mm)



LATERAL ADJUSTMENT
(+1,6/-1,6 mm)

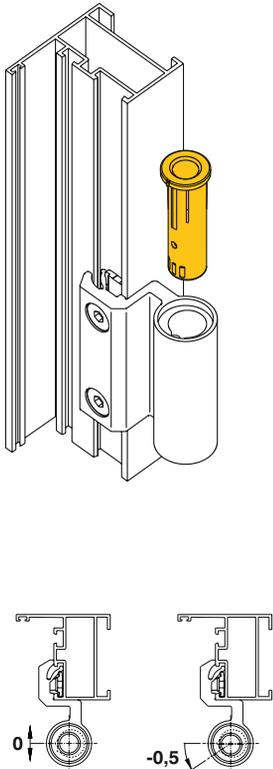


VERTICAL ADJUSTMENT
(+3/-0 mm)

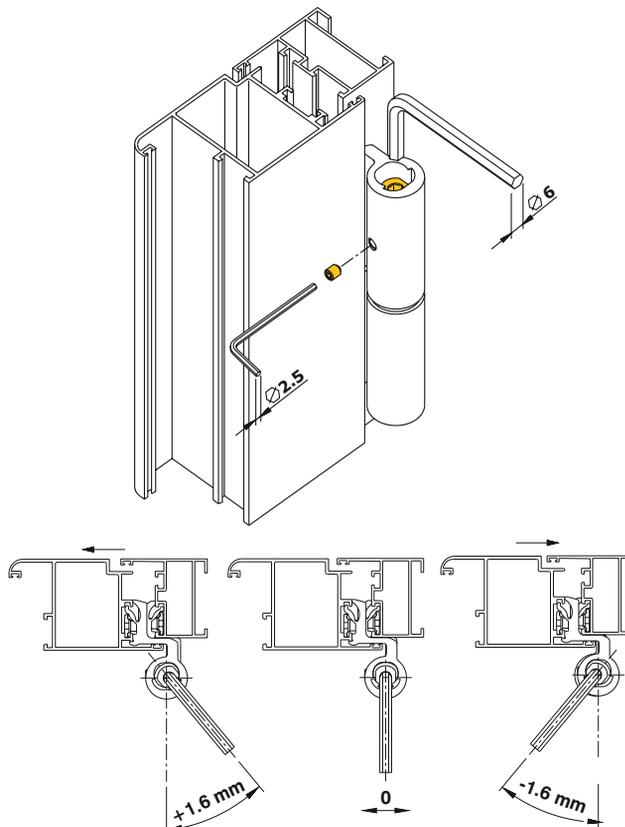


SUMMA+ and SUMMA adjustments

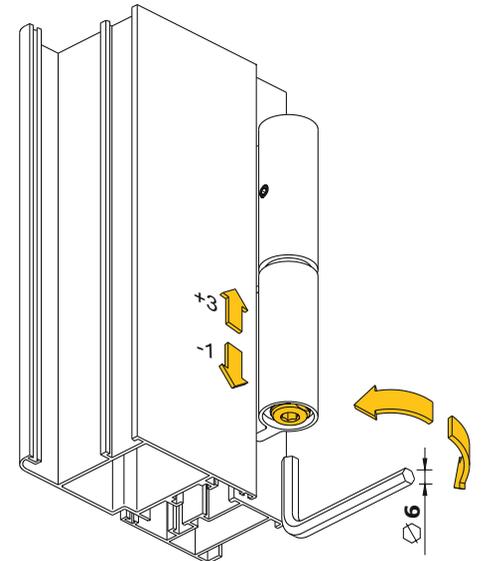
CLOSING PRESSURE
ADJUSTMENT
(0/-0,5 mm)



LATERAL ADJUSTMENT
(+1,6/-1,6 mm)



VERTICAL ADJUSTMENT
(+3/-1 mm)



SUMMA+ AXIAL hinge range



Code	Description	Pcs.	Finishes
1124.70	(patented) 2-wing adjustable clamp-in hinge made of aluminium with core aligning system, centre of rotation 23.1 mm, 2 counterplates to insert, 4 socket head cap screws M6x12 and 1 grub screw M5x6 in stainless steel, 1 pre-assembled stainless steel pin Ø 10 mm on black galvanized zamak cam bushing device, 2 nylon caps, 1 nylon self-lubricating bushing, 1 zamak adjustment grub screw. Weight capacity: 2 hinges 100 Kg, 3 hinges 120 Kg. For Eurogroove and NC International profiles.	20 o 4	1013, 1015, 1247, 7032, 8017, 8019, 9001, 9005, 9010, 9016, B.SA, BL10, BL25, BR5, BR801, BW21, C, F, GR217, GR50, GR51, GR606, HL, NE, PVD H, PVD X, SILV, WT005, XSD, ZE



Code	Description	Pcs.	Finishes
1124.73	(patented) 2-wing adjustable clamp-in hinge made of aluminium with core aligning system, centre of rotation 22.5 mm, 2 counterplates to insert, 4 socket head cap screws M6x16 and 1 grub screw M5x6 in stainless steel, 1 pre-assembled stainless steel pin Ø 10 mm on black galvanized zamak cam bushing device, 2 nylon caps, 1 nylon self-lubricating bushing, 1 zamak adjustment grub screw. Weight capacity: 2 hinges 100 Kg, 3 hinges 120 Kg. For R40 profiles.	20 o 4	1013, 7035, 8019, 9001, 9005, 9010, BL10, BR5, BR801, BW21, C, F, GR217, GR50, GR51, GR606, HL, NE, PVD H, PVD X, SILV, WT005, XSD, ZE



Code	Description	Pcs.	Finishes
1124.75	(patented) 2-wing adjustable clamp-in hinge made of aluminium for 3rd casement, with core aligning system, centre of rotation 15.8 mm, 2 counterplates to insert, 4 socket head cap screws M6x16 and 1 grub screw M5x6 in stainless steel, 1 pre-assembled stainless steel pin Ø 10 mm on black galvanized zamak cam bushing device, 2 nylon caps, 1 nylon self-lubricating bushing, 1 zamak adjustment grub screw. Weight capacity: 2 hinges 100 Kg, 3 hinges 120 Kg. For Eurogroove and NC International profiles.	20 o 4	1013, 1015, 1247, 7032, 8017, 8019, 9001, 9005, 9010, 9016, B.SA, BL10, BL25, BR5, BR801, BW21, C, F, GR217, GR50, GR51, GR606, HL, NE, PVD H, PVD X, SILV, WT005, XSD, ZE

SUMMA+ hinge range



Code	Description	Pcs.	Finishes
1124.40	(patented) 2 wing adjustable hinge in aluminium, centre of rotation 23.1 mm, 2 counterplates to insert, 4 socket head cap screws M6x12 and 1 grub screw M5x6 in stainless steel, 1 stainless steel 10 mm pin pre-assembled on black galvanized zamak cam bushing device, 2 nylon caps, 1 self - lubricating bushing in nylon, 1 adjustment grub screw in zamak. Weight capacity: 2 hinges 100 Kg, 3 hinges 120 Kg. For Eurogroove and NC International profiles.	20 o 4	1013, 1015, 1247, 7032, 8017, 8019, 9001, 9005, 9010, 9016, B.SA, BL10, BL25, BR5, BR801, BW21, C, F, GR217, GR50, GR51, GR606, HL, NE, PVD H, PVD X, SILV, WT005, XSD, ZE



Code	Description	Pcs.	Finishes
1124.43	(patented) 2 wing adjustable hinge in aluminium, centre of rotation 22.5 mm, 2 counterplates to insert, 4 socket head cap screws M6x12 and 1 grub screw M5x6 in stainless steel, 1 stainless steel 10 mm pin pre-assembled on black galvanized zamak cam bushing device, 2 nylon caps, 1 self - lubricating bushing in nylon, 1 adjustment grub screw in zamak. Weight capacity: 2 hinges 100 Kg, 3 hinges 120 Kg. For R40 profiles.	20 o 4	1013, 7035, 8019, 9001, 9005, 9010, BL10, BR5, BR801, BW21, C, F, GR217, GR50, GR51, GR606, HL, NE, PVD H, PVD X, SILV, WT005, XSD, ZE



Code	Description	Pcs.	Finishes
1124.60	(patented) 2 wing adjustable hinge in aluminium for 3rd casement, centre of rotation 15.8 mm, 2 counterplates to insert, 4 socket head cap screws M6x12 and 1 grub screw M5x6 in stainless steel, 1 stainless steel 10 mm pin pre-assembled on black galvanized zamak cam bushing device, 2 nylon caps, 1 self - lubricating bushing in nylon, 1 adjustment grub screw in zamak. Weight capacity: 2 hinges 100 Kg, 3 hinges 120 Kg. For Eurogroove and NC International profiles.	20 o 4	1013, 1015, 1247, 7032, 8017, 8019, 9001, 9005, 9010, 9016, B.SA, BL10, BL25, BR5, BR801, BW21, C, F, GR217, GR50, GR51, GR606, HL, NE, PVD H, PVD X, SILV, WT005, XSD, ZE

SUMMA hinge range



Code	Description	Pcs.	Finishes
1124.30	(patented) 2 wing adjustable hinge in aluminium, centre of rotation 16 mm, 2 quick clamping counterplates, 4 socket head cap screws M6x12 and 1 grub screw M5x6 in stainless steel, 1 stainless steel 10 mm pin pre-assembled on black galvanized zamak cam bushing device, 2 nylon caps, 1 self-lubricating bushing in nylon, 1 adjustment grub screw in zamak. Weight capacity: 2 hinges 100 Kg, 3 hinges 120 Kg. For Eurogroove and NC International profiles.	20 o 4	1013, 1015, 1247, 7032, 8017, 8019, 9001, 9005, 9010, 9016, B.SA, BL10, BL25, BR5, BR801, BW21, C, F, GR217, GR50, GR51, GR606, HL, NE, PVD H, PVD X, SILV, WT005, XSD, ZE
1124.31	Like 1124.30 but for Eurogroove profiles with frame groove dimensions 10x14,3.	20 o 4	1013, 1015, 1247, 9005, 9010, B.SA, C, F, GR217, HL, NE, SILV, XSD, ZE
1124.32	Like 1124.30 but for Eurogroove profiles with frame groove dimensions 12x15.	20 o 4	1013, 1015, 1247, 9005, 9010, B.SA, C, F, GR217, HL, NE, SILV, XSD, ZE
1124.34	Like 1124.30 but centre of rotation 15 mm and for «NC 40 N raggiato» profile.	20 o 4	1013, 9005, 9010, BL10, BR5, BR801, C, F, GR217, GR606, HL, NE, SILV, XSD, ZE
1124.36	Like 1124.30 but centre of rotation 14.5 mm and for «All.co 5 sormonto» profile.	20 o 4	1013, 9001, 9005, 9010, BL10, BR5, BW21, C, F, GR217, HL, NE, PVD H, PVD X, SILV, XSD, ZE



Code	Description	Pcs.	Finishes
1124.33	(pat) 2 wing adjustable hinge in aluminium, centre of rotation 16 mm, 2 quick clamping counterplates, 4 socket head cap screws M6x12 and 1 grub screw M5x6 in stainless steel, 1 stainless steel 10 mm pin pre-assembled on black galvanized zamak cam bushing device, 2 nylon caps, 1 self-lubricating bushing in nylon, 1 adjustment grub screw in zamak. Carrying capacity: 2 hinges 100 Kg., 3 hinges 120 Kg. For R40 profiles.	20 o 4	1013, 7035, 8019, 9001, 9005, 9010, BL10, BR5, BR801, BW21, C, F, GR217, GR50, GR51, GR606, HL, NE, PVD H, PVD X, SILV, WT005, XSD, ZE
1124.35	Like 1124.33 but for R50 profiles.	20 o 4	1013, 9001, 9005, 9010, BL10, BR5, BW21, C, F, GR217, HL, NE, PVD H, PVD X, SILV, XSD, ZE

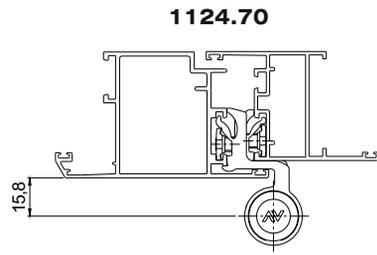
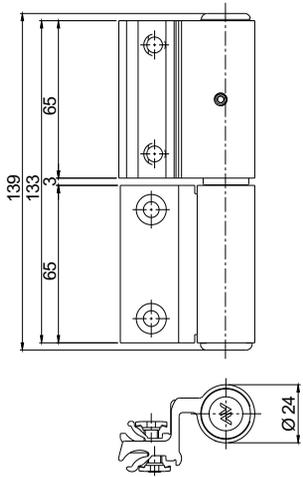


Code	Description	Pcs.	Finishes
1124.50	(patented) 2 wing adjustable hinge in aluminium for 3rd casement, centre of rotation 16 mm, 2 quick clamping counterplates, 4 socket head cap screws M6x12 and 1 grub screw M5x6 in stainless steel, 1 stainless steel 10 mm pin pre-assembled on black galvanized zamak cam bushing device, 2 nylon caps, 1 self-lubricating bushing in nylon, 1 adjustment grub screw in zamak. Weight capacity: 2 hinges 100 Kg, 3 hinges 120 Kg. For Eurogroove and NC International profiles.	20 o 4	1013, 6005, 8017, 8019, 9001, 9005, 9010, B.SA, BL10, BR5, BR801, C, F, GR217, GR50, GR51, GR606, HL, NE, PVD H, PVD X, SILV, WT005, XSD, ZE

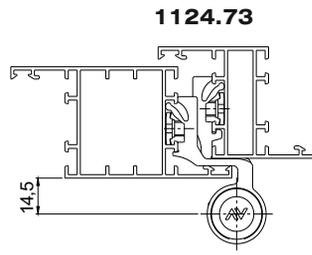


Code	Description	Pcs.	Finishes
1124.51	(patented) 2 wing adjustable hinge in aluminium for 3rd casement, centre of rotation 16 mm, 2 quick clamping counterplates, 4 socket head cap screws M6x12 and 1 grub screw M5x6 in stainless steel, 1 stainless steel 10 mm pin pre-assembled on black galvanized zamak cam bushing device, 2 nylon caps, 1 self-lubricating bushing in nylon, 1 adjustment grub screw in zamak. Weight capacity: 2 hinges 100 Kg, 3 hinges 120 Kg. For R40 profiles.	20 o 4	1013, 8019, 9001, 9005, 9010, BL10, BR5, BR801, C, F, GR217, HL, NE, PVD X, SILV, XSD, ZE

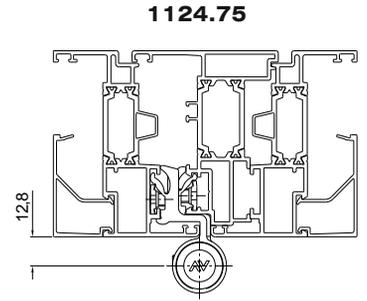
SUMMA+ AXIAL hinges



1124.70

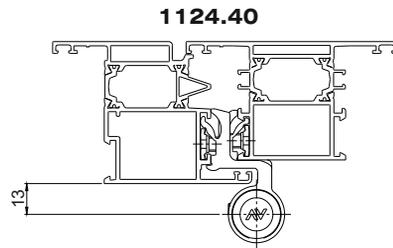
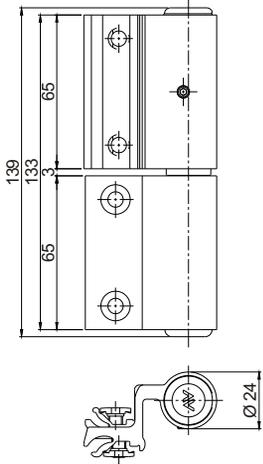


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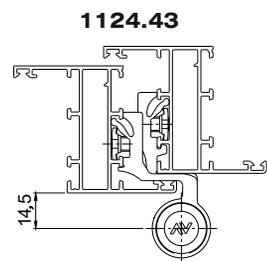


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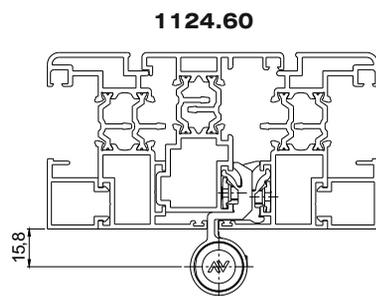
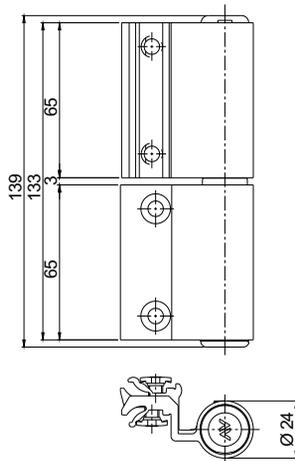
SUMMA+ hinges



1124.40

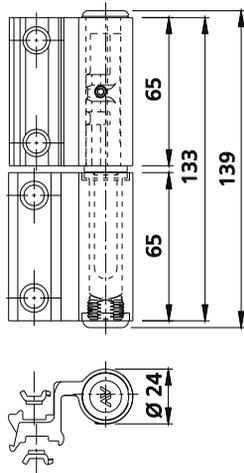


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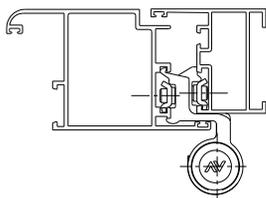


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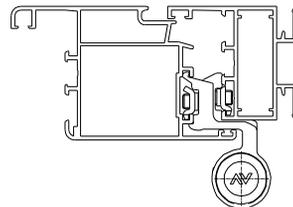
SUMMA hinges



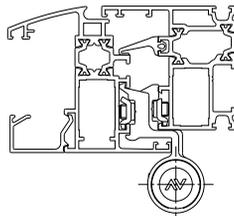
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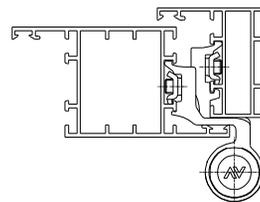
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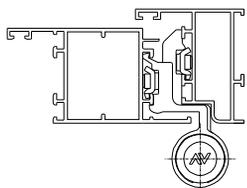
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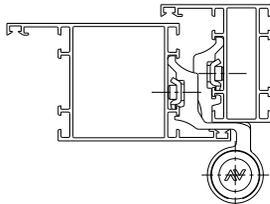
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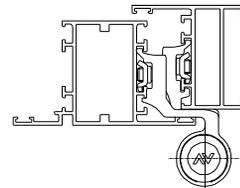
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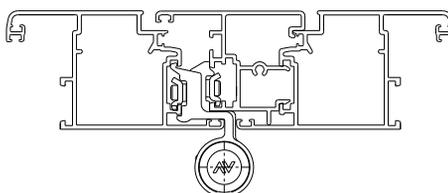
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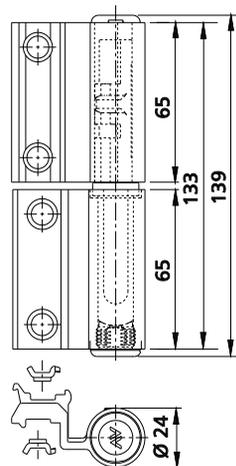
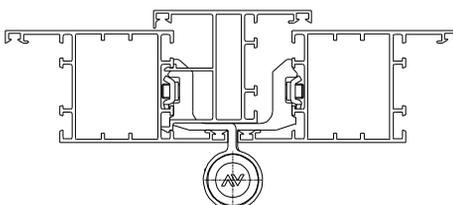
1124.36



1124.50



1124.51





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