

OS OPERATOR 2.0

Functions

Complete system of opening, closing and multilocking, for top hung and side hung outward opening casement windows.

Technical Features

The OS Operator 2.0 system to be applied requires a specific profile cross-section.

The front force for opening the sash must be < 50 N. For forces > 35 N it is mandatory to use "loose rivet" arms.

The OS Operator System performs a dual function:

1. The sash is moved from the closed position to the open position, limited in safety.
2. The locking points engage and disengage.

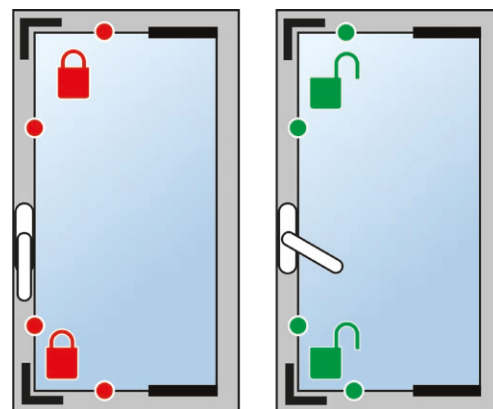
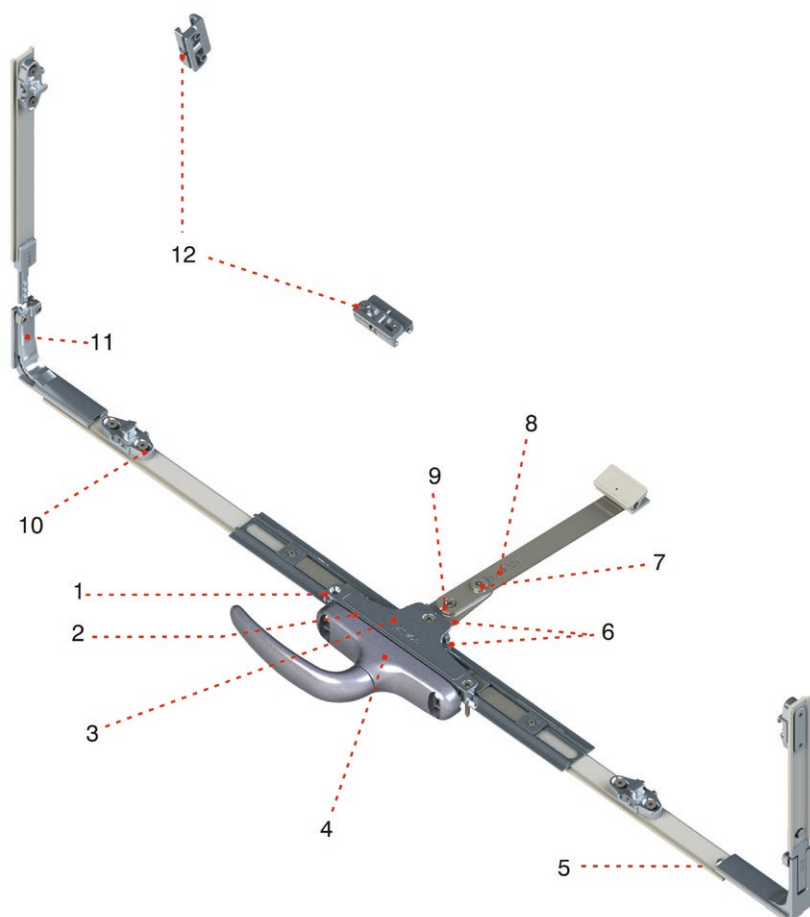
With OS Operator 2.0 you can apply locking points connected by a rod made of polyamide, on 3 sides of the casement (mechanism side and arms side).

Making the OS Operator casement always requires:

- Cremone (1 pc)
- Mechanism (1 pc)
- Arm (1 pc)
- Locking points (their number varies depending on the size of the casement)
- Corner drive (2 pcs) if perimetral closing is necessary

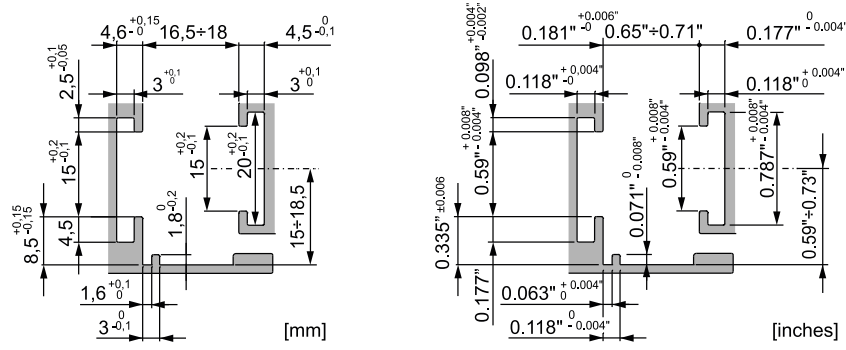
Possible dimensions

In particular, the minimum size will vary depending on the locking points used (see examples)

**LEGEND**

- 1 Basic mechanism
- 2 Unica cremone seal
- 3 Protective cover
- 4 Unica cremone
- 5 Polyamide rod
- 6 Mechanism gears
- 7 Arm release screw
- 8 Arm
- 9 Adjustment screws
- 10 Adjustable pawl (sash)
- 11 Corner drive
- 12 Fixed striker (frame)

OS OPERATOR 2 type profile cross-sections

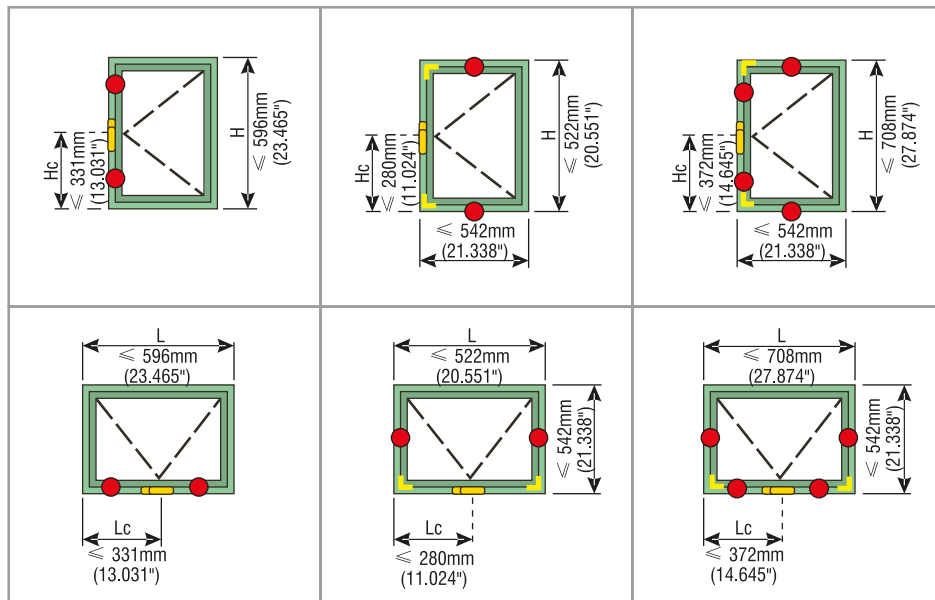


Minimum possible dimensions

Two locking points

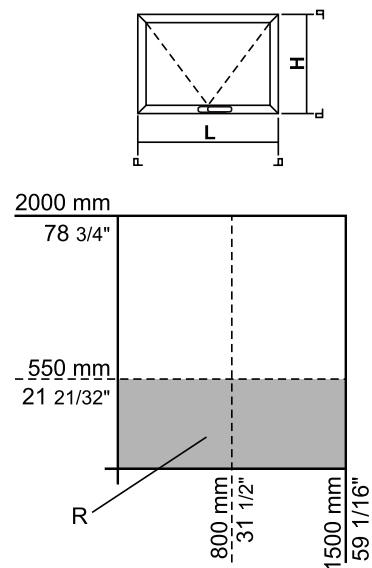
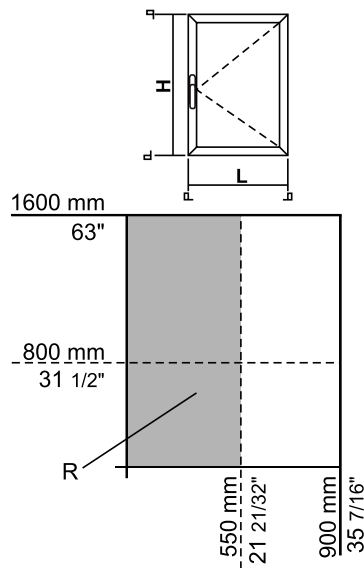
Two locking points with corner drive

Four locking points with corner drive



R = use Loose Rivet swing-out arms for supporting the sash

R = use Loose Rivet swing-out arms for supporting the sash



UNICA OS OPERATOR CREMONE



Functions

Unica line cremone, dedicated to the OS OPERATOR mechanism.

Technical Features

Compared to the standard cremones, these rotate with positioning notches at 0° and 180°.

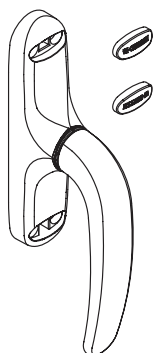
Turning the pull handle of the cremone to 180° first unlocks the locking points (approximately 60°) and then takes the sash into the position of maximum opening (trip to 180° of the cremone). The high stresses to which the casement is subjected when opening and closing has meant that for OS Operator there is a complete range of specific cremones. In addition to the Unica standard cremone, Key, Away and long handle versions are available. In particular, the one with the long handle reduces the effort when opening the casement and makes operation smoother.

The rotor and slider of all OS operator cremones are made of stainless steel to ensure maximum mechanical strength. It is recommended to use the special gasket, made of black closed-cell foam adhesive on one side, which enables reducing the flow of air and water through the milling on the profile and the cremone case.

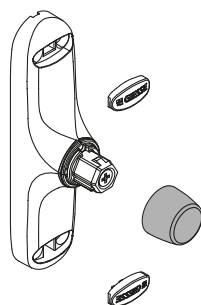
Materials

- Handle in die-cast aluminium
- Die-cast zamak cremone case
- Internal rotor and slider in 304 grade stainless steel
- Spring in harmonic steel
- Black polyamide plate
- Trip disc 0° - 180° in black polyamide

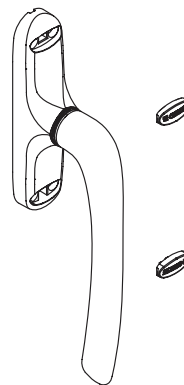
Unica OS Operator Cremone



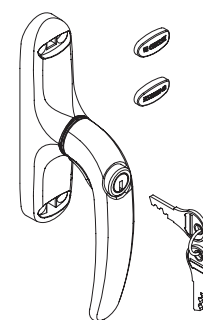
Unica Away OS Operator Cremone



Long pull handle Unica OS Operator Cremone

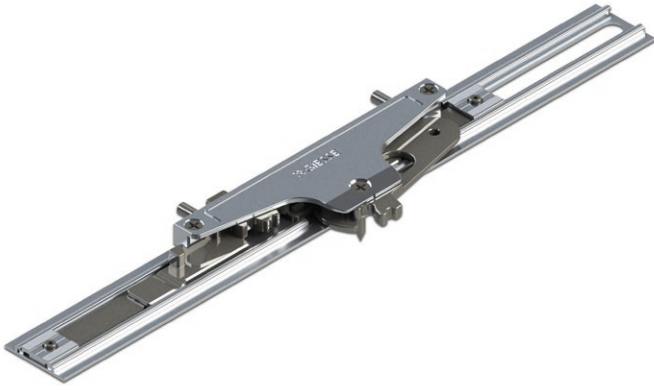


Unica Key OS Operator Cremone



Item code	Description	Version	Pull handle length	Handle match	Pull handle 0°	Pull handle 180°	Base Raw	Anodised Elox	Painted	Trend/Gold Brass	Pieces per pack
01127	CREM. UNICA OS OPERATOR - AWAY	Away		01129	Closed	Open			X		10
01128	CREM. UNICA OS OPER. LONG HANDLE	Standard	172 mm		Closed	Open			X		10
01129	PULL HANDLE FOR UNICA AWAY	Away	172 mm	01127	Closed	Open			X		10
01171	UNICA OS OPERATOR CREMONE	Standard	121 mm		Closed	Open			X		10
01172	UNICA KEY OS OPERATOR CREMONE	Key	121 mm		Closed	Open			X		10
06951	UNICA CREM. GASKET						X				100

OS OPERATOR 2.0 MECHANISM



Functions

Reversible mechanism that moves the sash of a Top or Side Hung aluminium casement.

Technical Features

The mechanism is 317 mm long.

Acts as a link between the cremone and the opening arms.

Connected to the Giesse polyamide rod, it is used to move the locking points (applied on the rod) and/or corner drives in the case of perimetral closing mechanisms.

Materials

Main body (guide), made of extruded aluminium, silver anodised

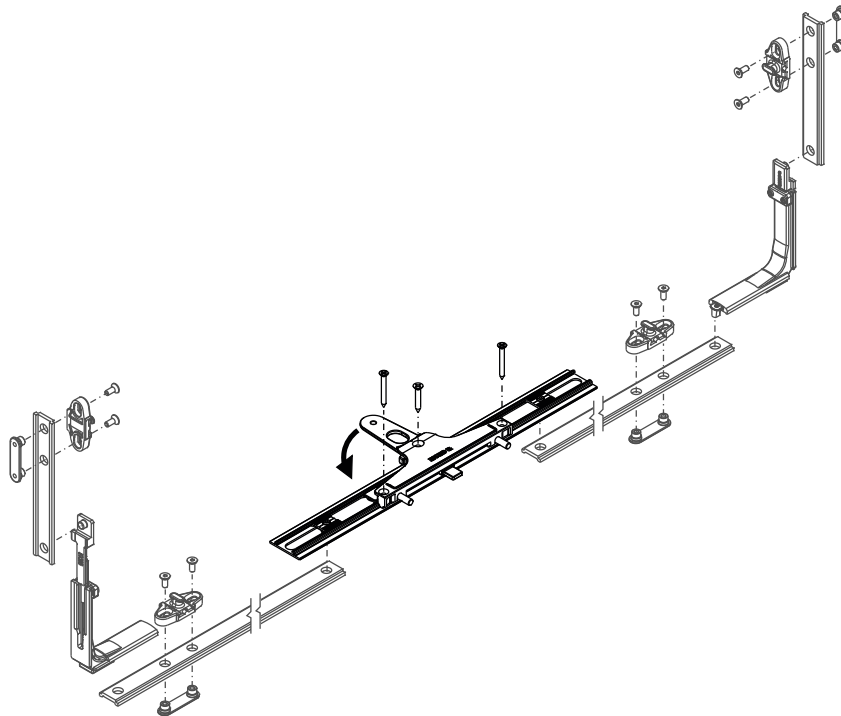
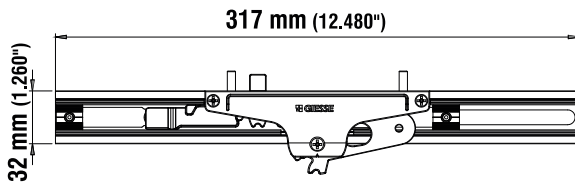
Internal rod, in extruded aluminium, silver anodised

Pinion, in 304 grade stainless steel

Rack drive rod, in 304 grade stainless steel

Casing, in Giesse Silver Plus zamak

Fixing screws in 304 grade stainless steel



Item code	Description	Note	Base Raw	Anodised Elox	Painted	Trend/Gold Brass	Pieces per pack
02009	OS OPERATOR MECHANISM		X				10

OS OPERATOR 2 ARMS

Functions

The arm for OS Operator performs the function of pushing the sash from the "sash closed" position to the "fully open" position and vice versa.

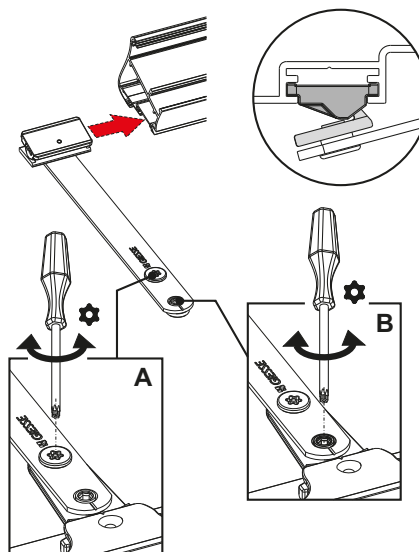
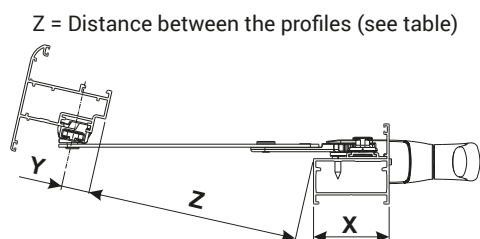
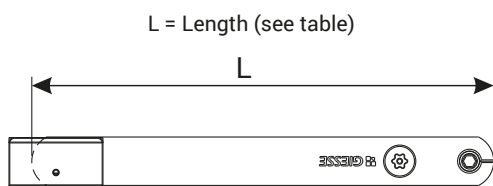
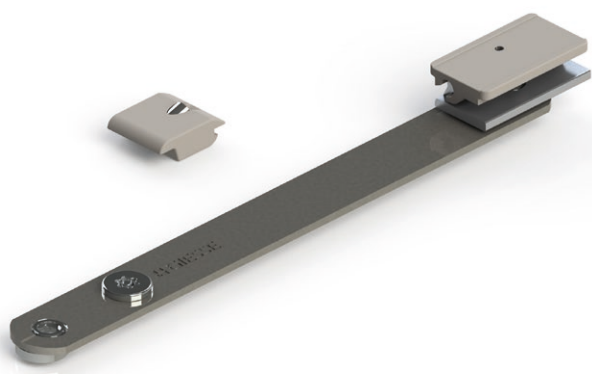
Technical Features

Available in various lengths, the arm is attached to an OS Operator mechanism using the screw with security head Torx T30 (A). The slider, available in both polyamide and aluminium, runs in the 15/20 mm channel on the mobile sash. A polyamide stop component provides the limit stop position.

You can, with the aid of the eccentric pin (B), using a T30 torx wrench, adjust the position of the slider and then obtain the optimal position for the sash during the phase of activating the locking points.

Materials

Arm in stainless steel 304
Slider in extruded aluminium or grey polyamide
Grey polyamide stop



Item code	Description	Length	Slider material	Stack between profiles Z	Base Raw	Anodised Elox	Painted	Trend/Gold Brass	Pieces per pack
02056	OS OPERATOR HP ARM	172 mm	Aluminium	210 mm - X - Y	X				10
02057	OS OPERATOR HP ARM	152 mm	Aluminium	190 mm - X - Y	X				10
02058	OS OPERATOR HP ARM	146 mm	Aluminium	184 mm - X - Y	X				10
02059	OS OPERATOR HP ARM	127 mm	Aluminium	165 mm - X - Y	X				10
02061	OS OPERATOR HP ARM	140 mm	Aluminium	178 mm - X - Y	X				10
02064	ALUMINIUM OS OPERATOR ARM	172 mm	Aluminium	210 mm - X - Y	X				10
02065	ALUMINIUM OS OPERATOR ARM	152 mm	Aluminium	190 mm - X - Y	X				10

OS OPERATOR CORNER DRIVE



Functions

Component allowing the mechanism to move from the cross-beam to the upright of the casement and vice versa.

Technical features

Specific for fitting on the frame.

Fits on 15/20 channel.

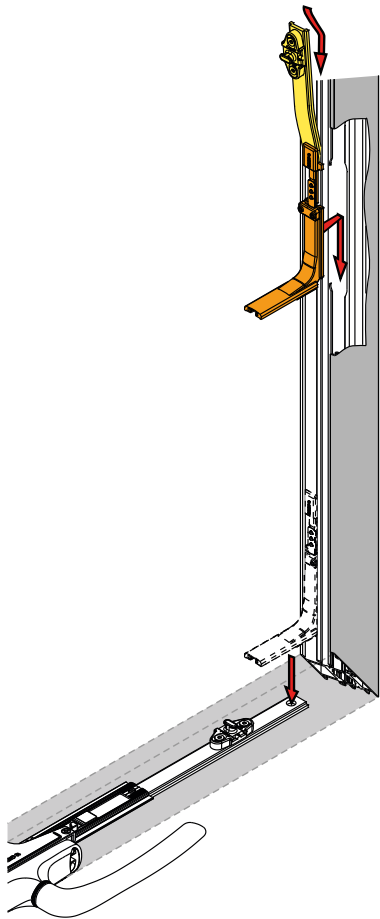
It is installed after machining the frame or before the frame is assembled.

It is fixed with 2 contrast grub screws and is joined to the other components with a polyamide rod.

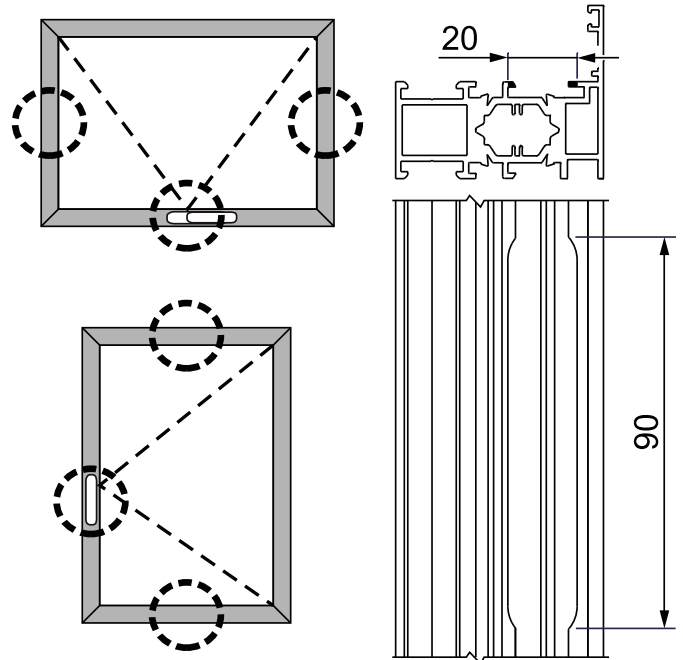
Materials

Drive body and connection device made of Giesse Silver Plus Plates and grub screws in stainless steel

Inserting in channel



Machining



Item code	Description	Note	Base Raw	Anodised Elox	Painted	Trend/Gold Brass	Pieces per pack
02066	CORNER DRIVE		X				10

OS OPERATOR FASTENING MECHANISM KIT



Functions

Fastening mechanism kit composed of a striker and an adjustable pawl.

Technical features

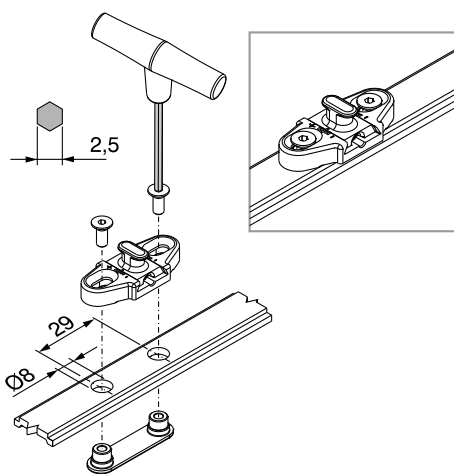
The OS Operator 2.0 closing kit is composed of 2 components:

- Striker to be applied on the sash
 - Adjustable pawl to apply on the polyamide rod
- The system provides for an adjustment of +/-3.2 mm and laterally +/-3.0 mm with the aid of the pawl. The system is designed for at most 6 locking points.

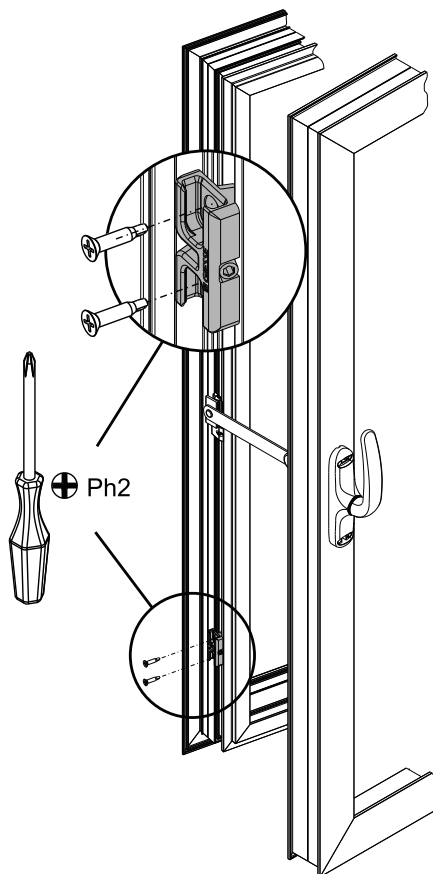
Materials

Striker body, pawl body, plate and adjustable element made of Giesse Silver Plus zamak
Screws and grub screws in stainless steel

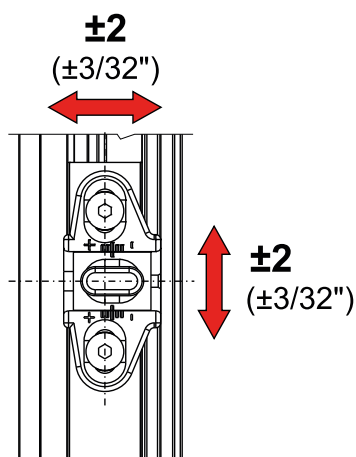
Pawl assembly



Striker assembly



Adjustment



Item code	Description	Note	Base Raw	Anodised Elox	Painted	Trend/Gold Brass	Pieces per pack
02067	LOCKING POINT		X				10



OS OPERATOR 2.0 TOOLS

Functions

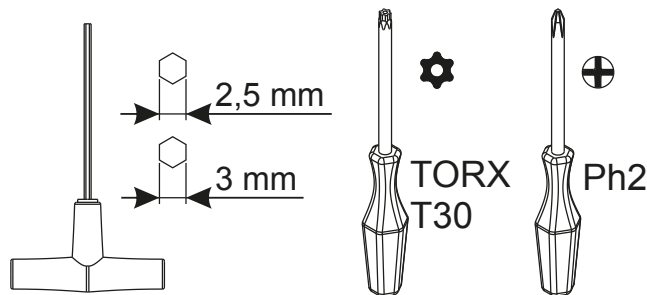
Tool kit for correctly assembling the Os Operator

Technical Features

The kit includes all the necessary tools, especially the Torx T30 security wrench.

The kit consists of:

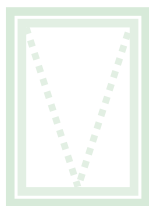
- Allen wrench 2.5 mm and 3 mm
- Torx T30 security insert
- ph 2 insert



Item code	Description	Note	Base Raw	Anodised Elox	Painted	Trend/Gold Brass	Pieces per pack
02003	TOOL KIT FOR OS OPERATOR		X				20

CONFIGURATION EXAMPLES

Configuration of OS Operator 2.0 Top-Hung 2 locking points

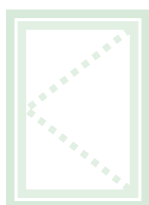


Sash height [mm]	450 ÷ 2000
Sash width [mm]	596 ÷ 1500
Cremona	01128 - 01171
Mechanism	02009
Fastening mechanisms	02067 (2 pcs)
Arms	02054 - 02055 - 02064 - 02065

Configuration of OS Operator 2.0 Top-Hung 4 locking points

Sash height [mm]	542 ÷ 2000
Sash width [mm]	708 ÷ 1500
Cremona	01128 - 01171
Mechanism	02009
Drive	02066 (2 pcs)
Fastening mechanisms	02067 (4 pcs)
Arms	02054 - 02055 - 02064 - 02065

Configuration of OS Operator 2.0 Side-Hung 2 locking points



Sash height [mm]	596 ÷ 1600
Sash width [mm]	450 ÷ 900
Cremona	01128 - 01171
Mechanism	02009
Fastening mechanisms	02067 (2 pcs)
Arms	02054 - 02055 - 02064 - 02065

Configuration of OS Operator 2.0 Side-Hung 4 locking points

Sash height [mm]	704 ÷ 1600
Sash width [mm]	450 ÷ 900
Cremona	01128 - 01171
Mechanism	02009
Drive	02066 (2 pcs)
Fastening mechanisms	02067 (4 pcs)
Arms	02054 - 02055 - 02064 - 02065