OS OPERATOR

Functions

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

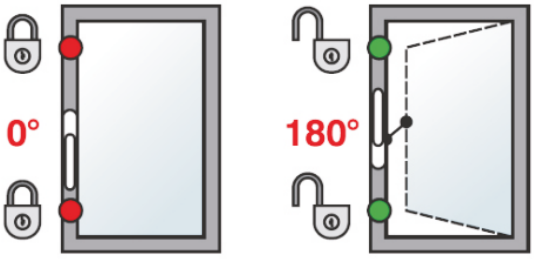
Technical Features

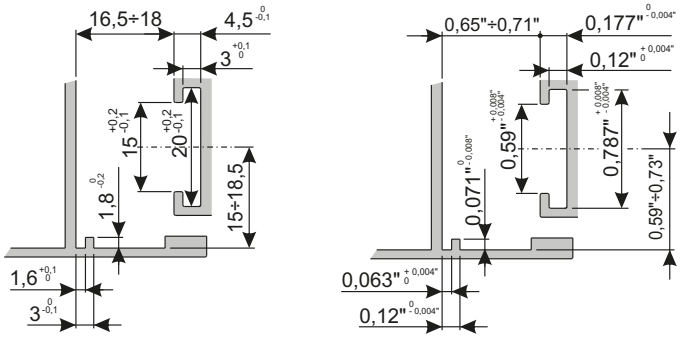
The OS Operator system to be applied requires a specific profile cross-section.
OS Operator has a push/pull force of 50 Nm.
The OS Operator System performs a dual function:
1. The sash is moved from the closed position to the open position, limited in safety.
2. The locking points engage and disengage.
Making the OS Operator casement always requires:
• Unica Cremone for OS Operator (1 pc)
• OS Operator fastening mechanism (1 pc)
• Arm for OS Operator (1 pc)

Possible dimensions

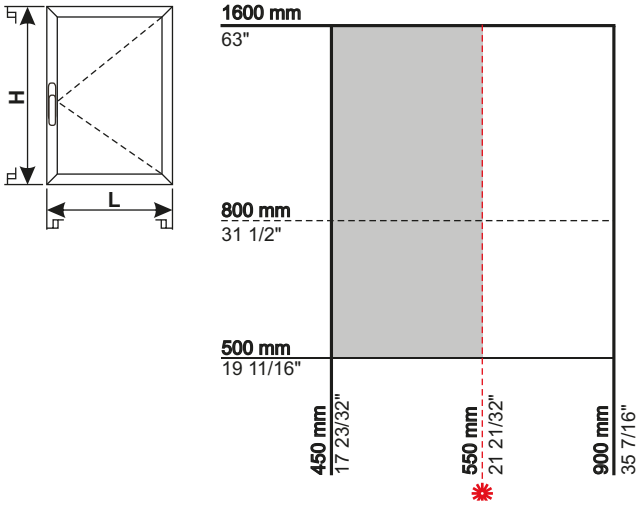
They are determined by the overall dimensions of the mechanism (standard and reduced)

OS OPERATOR type profile cross-sections

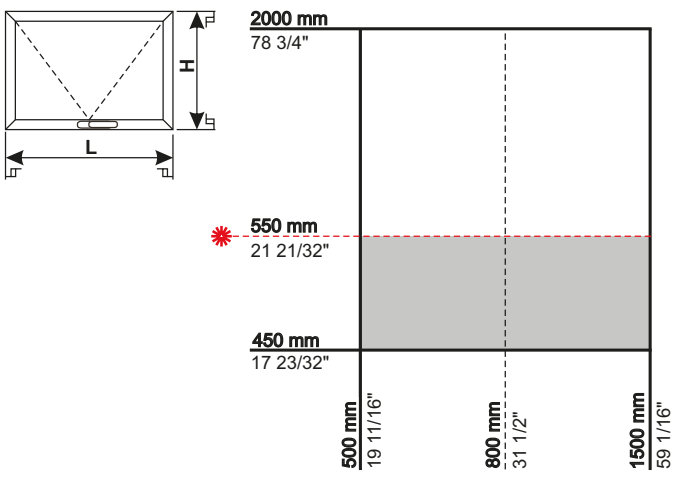




* If this dimension is <= 550 mm, use Loose Rivet swing-out arms for supporting the sash



* If this dimension is <= 550 mm, use Loose Rivet swing-out arms for supporting the sash



UNICA OS OPERATOR CREMONE

Functions

Unica line Cremone, dedicated to the OS OPERATOR mechanism.

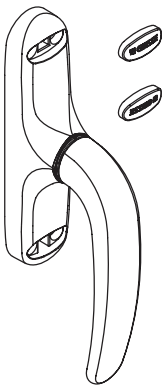
Technical Features

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.

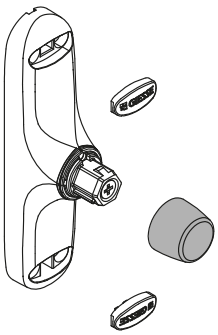
Materials

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

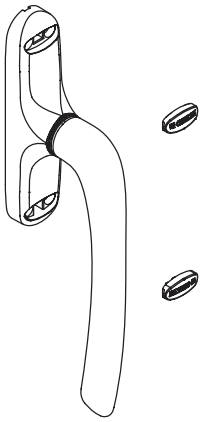
Unica OS Operator Cremone



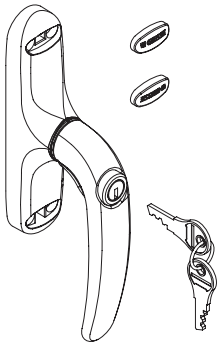
Unica Away OS Operator Cremone



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 MECHANISMS

Functions

Two-handed mechanism that moves the sash of a Top or Side Hung aluminium casement, creating 2 locking points on the casement.

Technical Features

The mechanism is available in two versions:
• standard (overall size of mechanism 725 mm)
• reduced for small doors (overall size of mechanism 466.5 mm) available both left and right.
For particularly high side hung windows or very wide top hung windows it is possible to connect the extension to both sides of the mechanism.

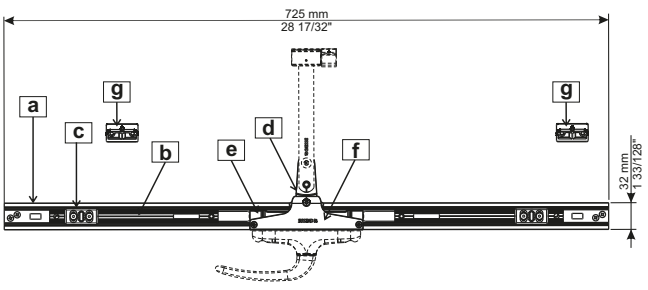
Locking point adjustment

You can adjust the 2 locking points both in compression (± 3.2 mm) and side (± 3 mm).

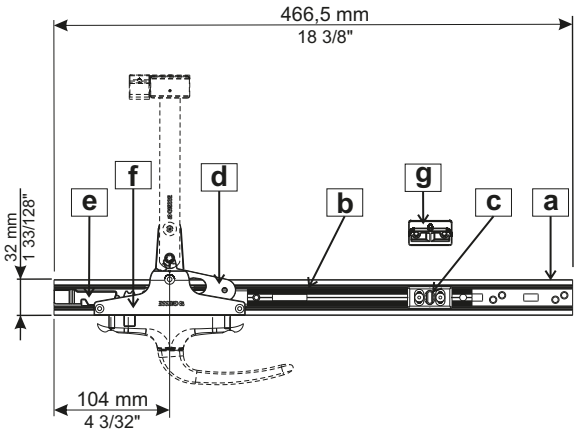
Materials

a) Main body (guide), in extruded aluminium, silver anodized
b) Internal rod, in extruded aluminium, silver anodized
c) Adjustable pawl, in zamak, Giesse Silver Plus
d) Pinion, in 304 grade stainless steel
e) Rack drive rod, in 304 stainless steel
f) Casing, in Giesse Silver Plus zamak
c) Frame striker, in zamak, Giesse Silver Plus
Fixing screws in 304 grade stainless steel

Standard mechanism

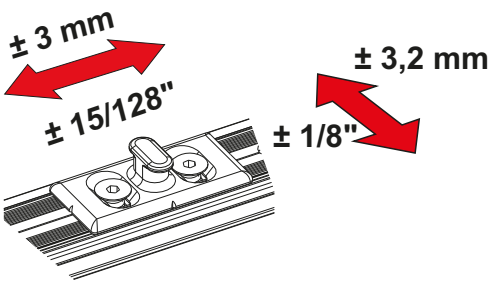


Reduced mechanism

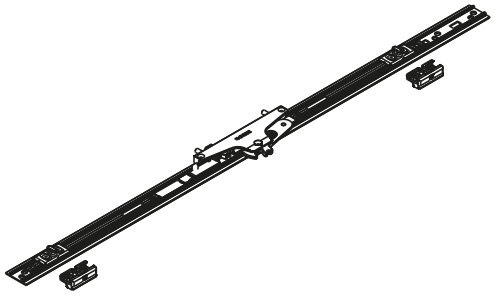


OS OPERATOR

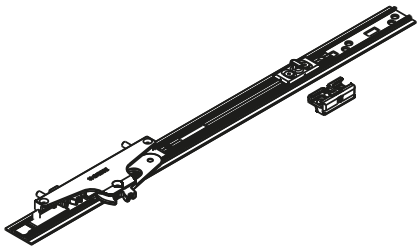
Locking point adjustment



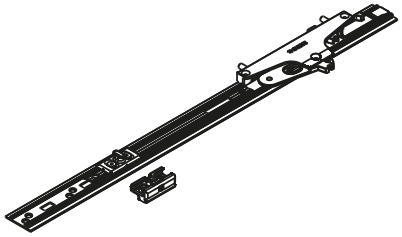
Standard mechanism



Right-hand reduced mechanism



Left-hand reduced mechanism



Item code	Description	Version	Hand	Length	Symmetric	Locking points	Extension	Base Raw	Anodised Elox	Painted	Trend/Gold Brass	Pieces per pack
02000	OS OPERATOR MECHANISM	Standard	RH - LH	725 mm	Yes	2	Above/below max 3 pieces (2+1)	X				10
020021	OS OPERATOR MECHANISM	Reduced	RX	466.5 mm	No	1	Only above max 2 pieces	X				10
020022	OS OPERATOR MECHANISM	Reduced	LX	466.5 mm	No	1	Only above max 2 pieces	X				10

EXTENSIONS

Functions

350 mm (13 25/32") extension for use with an OS Operator mechanism to create a supplementary locking point.

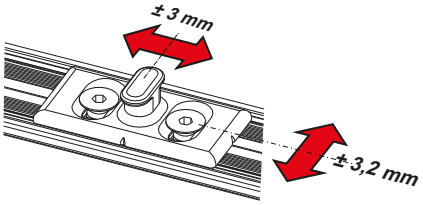
Technical Features

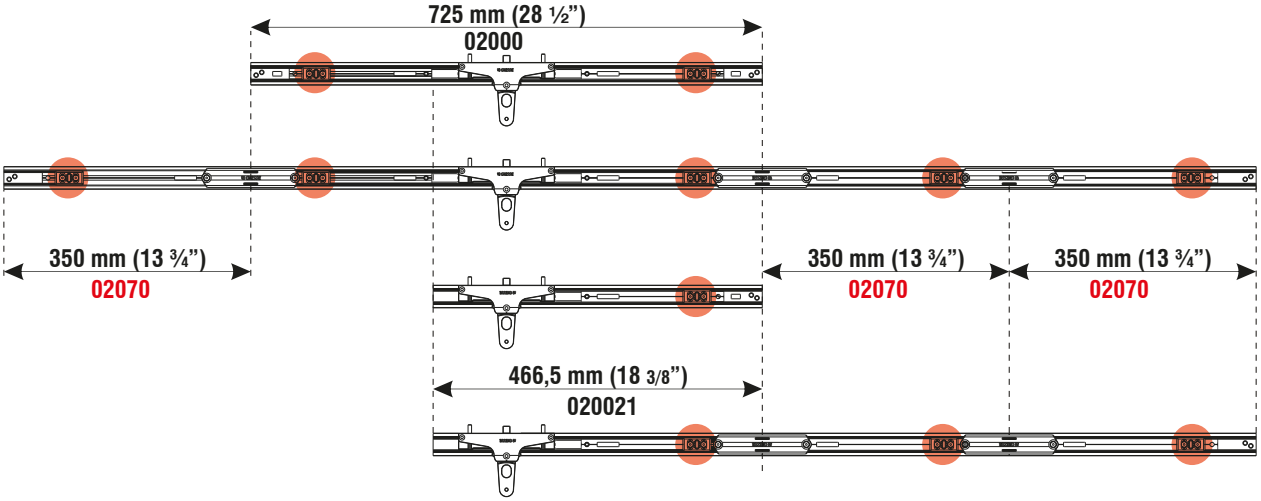
Fixing to the frame profile is done with the self-tapping screws supplied and connecting to the mechanism is done with a connection element.
The pawl on the extension can be adjusted.

Materials

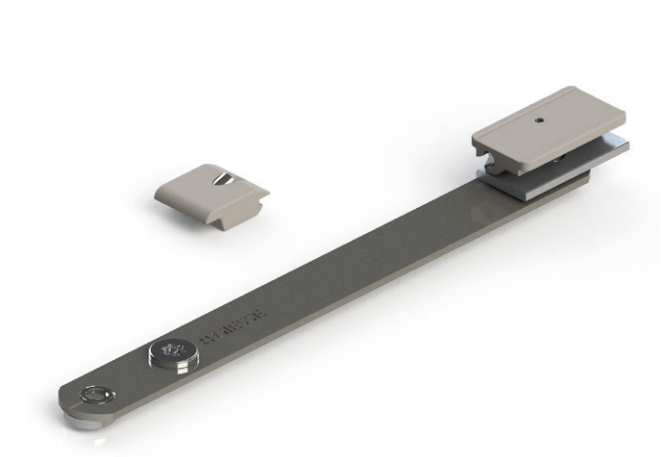
Polyamide joint
Extension in extruded aluminium
Adjustable pawl and striker in zamak
Stainless steel screws, grub screws and fixing plates

Locking point adjustment





Item code	Description	Length	Can be combined with	Base Raw	Anodised Elox	Painted	Trend/Gold Brass	Pieces per pack
02070	OS OPERATOR EXTENSION	350 mm	02000 02002 1 02002 2	X				10



OS OPERATOR ARMS

Functions

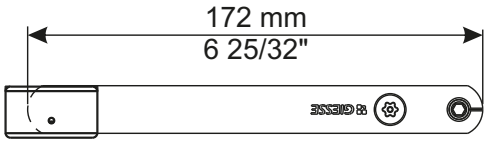
The arm for OS Operator performs the function of pushing the sash from the "sash closed" position to the "fully open" position and vice versa.

Technical Features

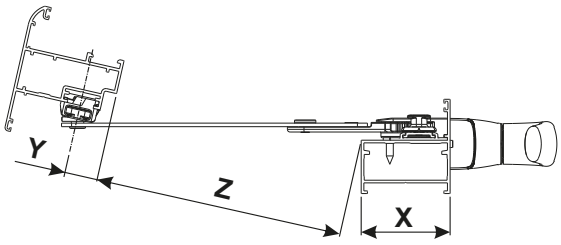
Available in two lengths (172 mm and 152 mm), The arm is attached to an OS Operator mechanism using the screw with security head Torx T30 (A).
The slider, available in both polyamide and aluminium, runs in the 15/20 mm channel on the mobile sash. A polyamide stop component provides the limit stop position.
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.

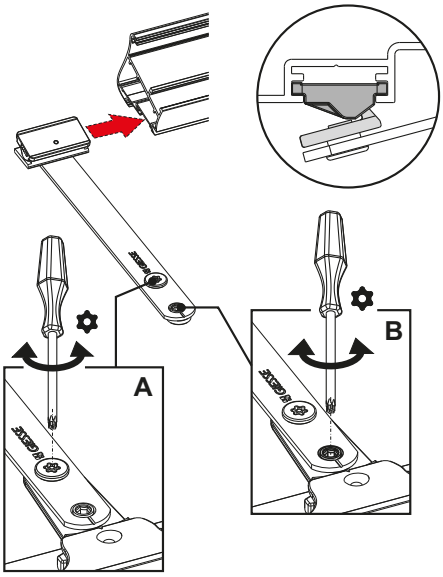
Materials

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



Z = Distance between the profiles (see table)





Item code	Description	Length	Slider material	Stack between profiles Z	Base Raw	Anodised Elox	Painted	Trend/Gold Brass	Pieces per pack
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

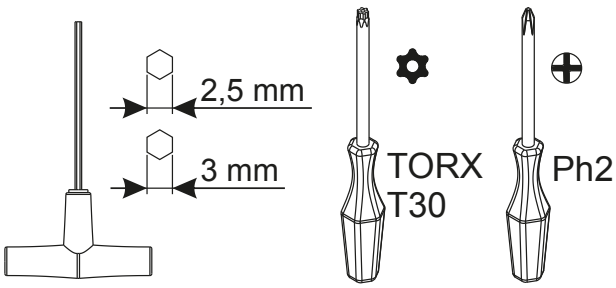
OS OPERATOR TOOLS

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

OS Operator Top-Hung Configuration

Sash height [mm]	450 ÷ 2000	450 ÷ 2000
Sash width [mm]	500 ÷ 800	801 ÷ 1500
Cremone	01128 - 01171	01128 - 01171
Mechanism	020021 - 020021	02000
Arms	02054 - 02055 - 02064 - 02065	02054 - 02055 - 02064 - 02065

OS Operator Side-Hung Configuration

Sash height [mm]	450 ÷ 900	450 ÷ 900
Sash width [mm]	500 ÷ 800	801 ÷ 2500
Cremone	01128 - 01171	01128 - 01171
Mechanism	020021 - 020021	02000
Arms	02054 - 02055 - 02064 - 02065	02054 - 02055 - 02064 - 02065