



# Locking Solutions & Accessories

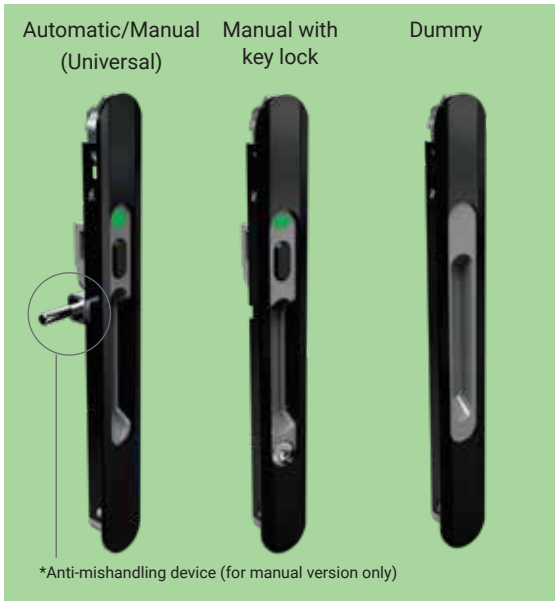
Our largest category covers every single part of locking systems- from concealed flush locks to locking mechanisms to accessories.



## Range

1. Concealed flush locks
2. Espagnolettes
3. Gearboxes
4. Shootbolt mechanisms
5. Curtain Wall Transmission mechanisms
6. Corner Transmission for perimeter locking
7. Latch locks
8. Secondary shootbolt locks
9. Locking accessories
10. Aluminium Extruded Rods

VYU-SL-01 | Sliding Embedded Door Handle



**FUNCTION**

Sliding embedded door handle is flash-mounted, RH & LH convertible handle, with the possibility of manual locking of doors.

Used to maintain single point side locking of sliding doors. In combination with the link bar facility, multi-point locking can be set up. Sliding embedded door handle permits the overlapping of the sliding shutters.

**TECHNICAL FEATURES**

- Offered in Automatic, Manual & Dummy models
- In-built gear mechanism enables in-place adjustment of the locking nib resulting in quick and easy installation of the lock
- Unique lock design enables easy conversion between Automatic and Manual mode
- Customized Anti-Mishandling unit offered in Manual lock model
- Key lock feature available in Manual lock model
- Wide variety of accessories enable the lock to be used for single point and multipoint locking applications
- Customized finishes offered

Packaging: 100 nos.

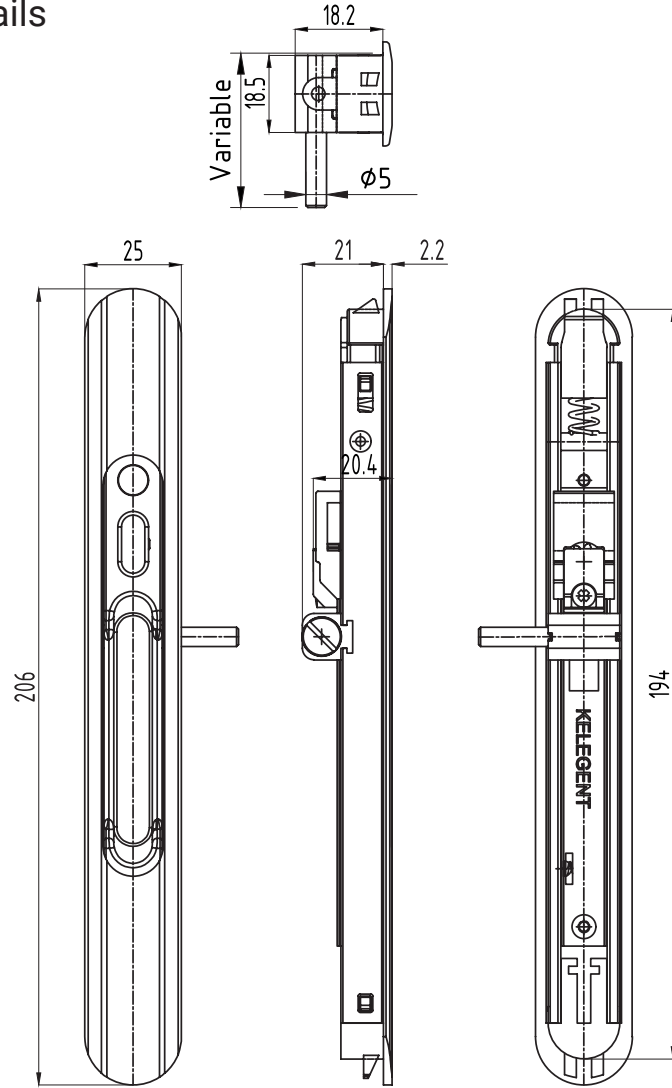
**Product Details**

Item Code	Descriptions
VYU-SL-01-A-FXX-YY	Concealed Flush Locks - Automatic
VYU-SL-01-M-FXX-YY	Concealed Flush Locks - Manual
VYU-SL-01-M-MD-FXX-YY	Concealed Flush Locks - Manual with Anti-Mishandling Device
VYU-SL-01-M-K-FXX-YY	Concealed Flush Locks - Manual with Keylock
VYU-SL-01-M-K-MD-FXX-YY	Concealed Flush Locks - Manual with Keylock & Anti-Mishandling Device
VYU-SL-01-D-FXX-YY	Concealed Flush Locks - Dummy

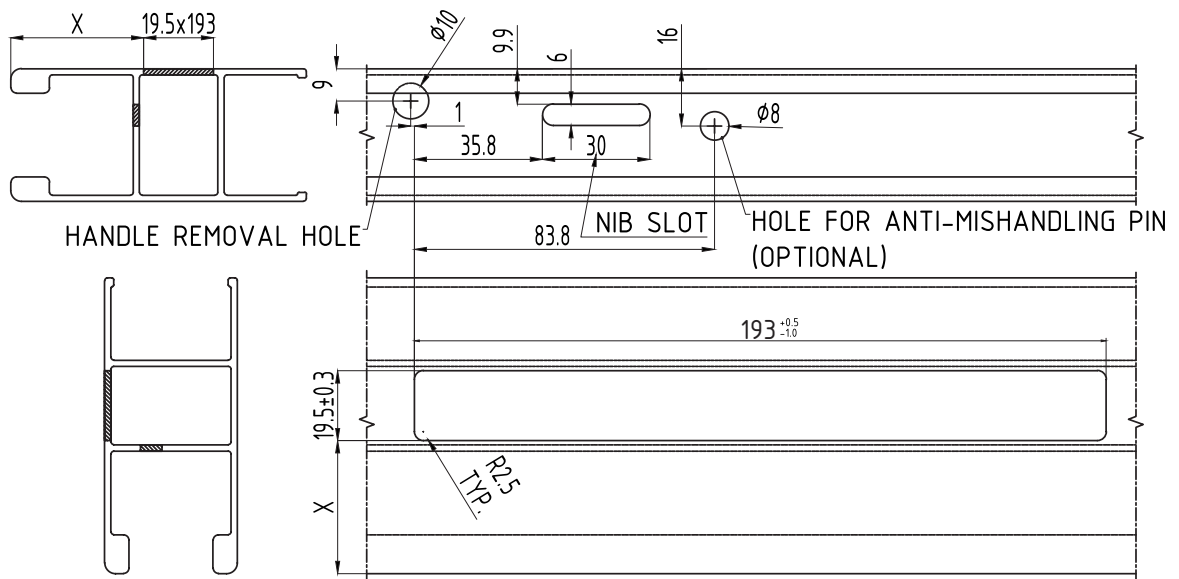
**Legend**

Code	Specification
FXX	01 - Power Coated Finish
	02 - Anodized Finish
YY	Colour Code

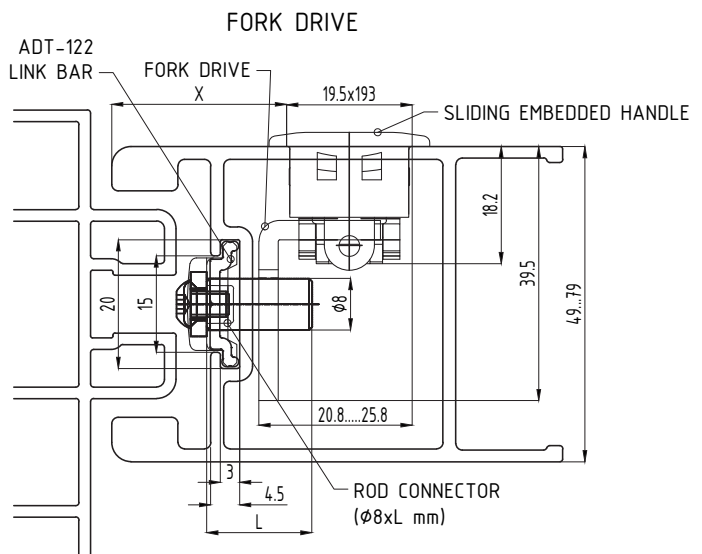
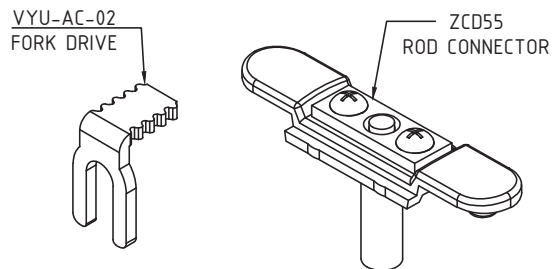
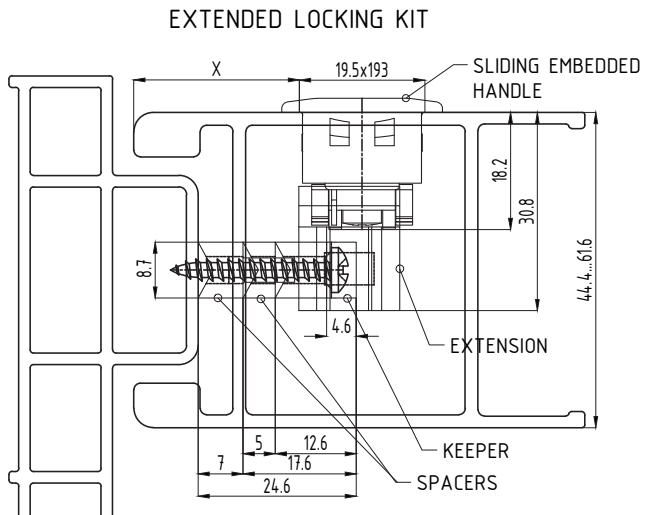
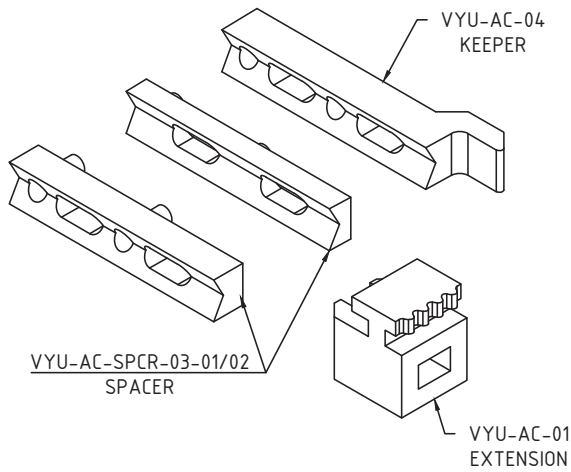
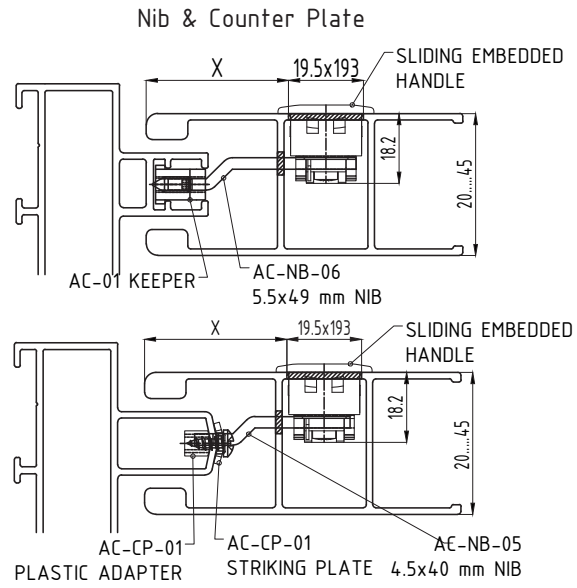
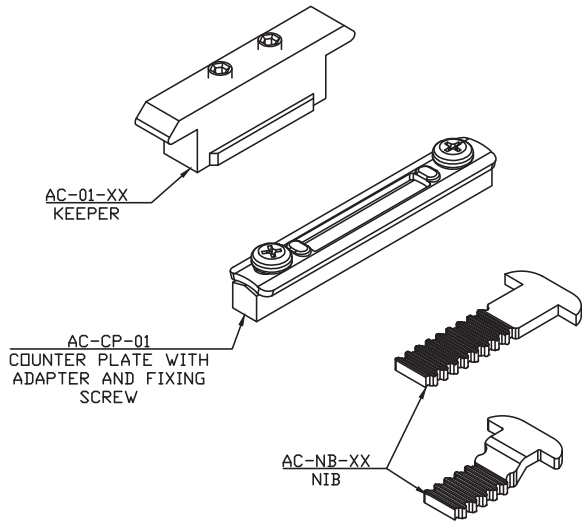
Dimensional Details



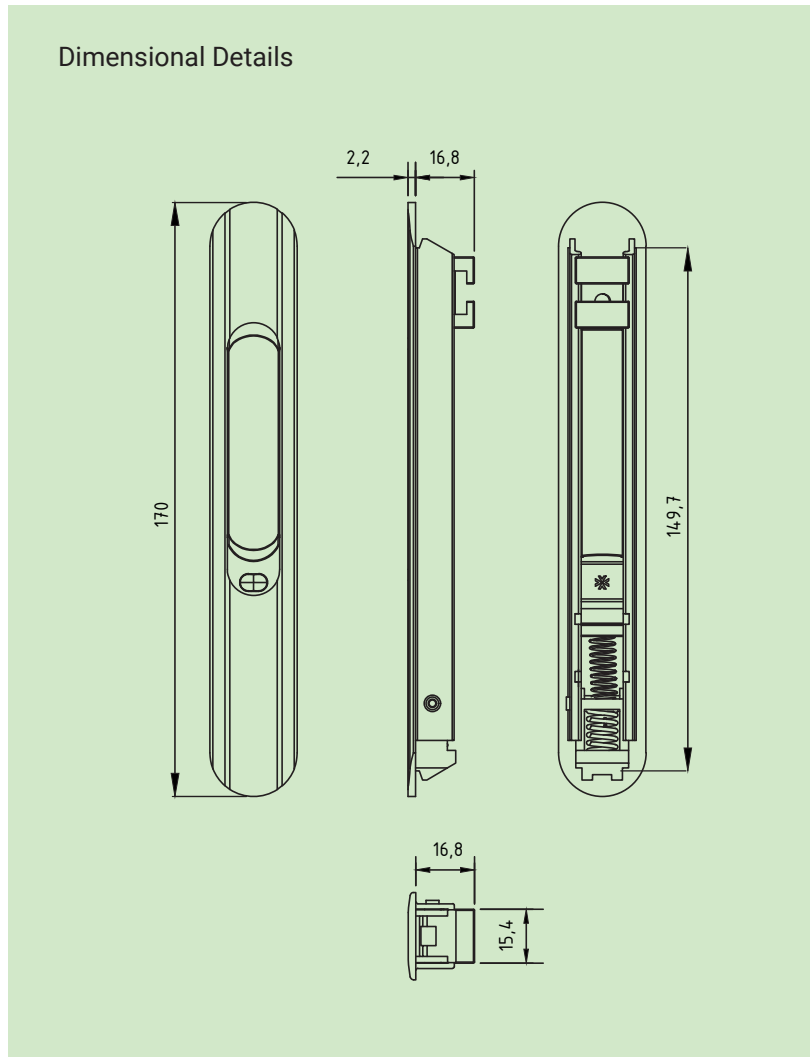
Machining Details



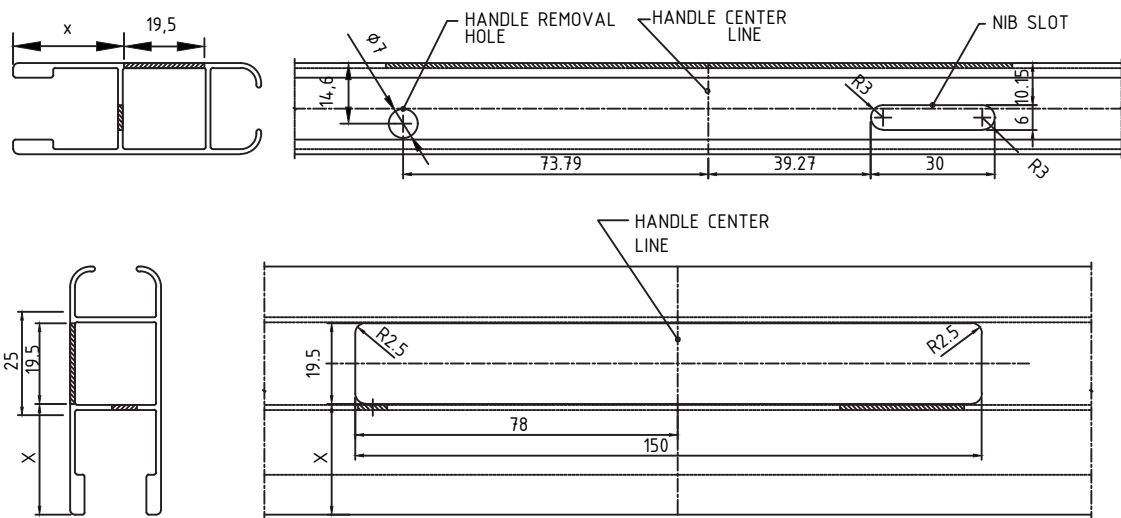
Application Details



VYU-SL-10 I Sliding Embedded Flush Handle

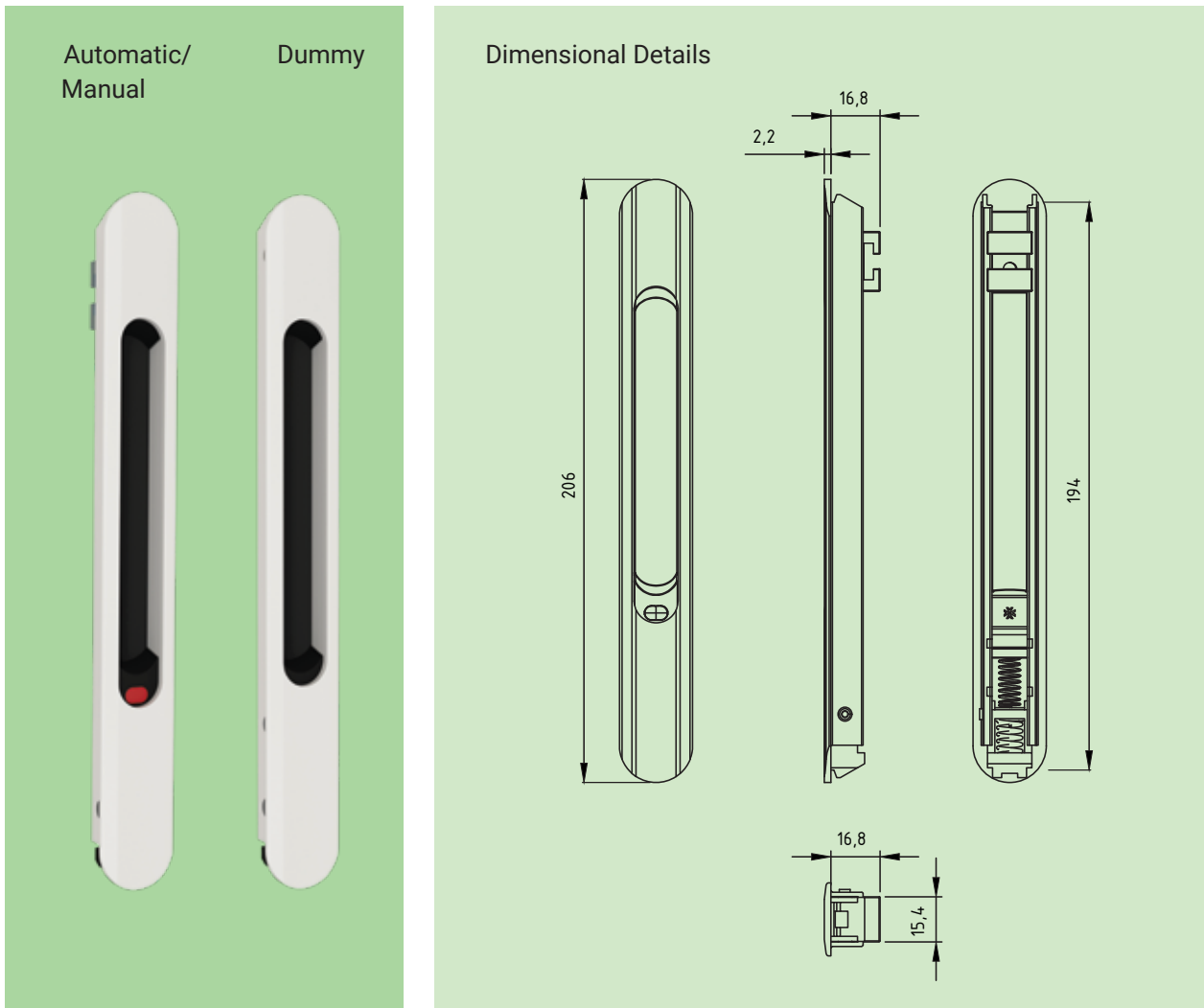


Machining Details

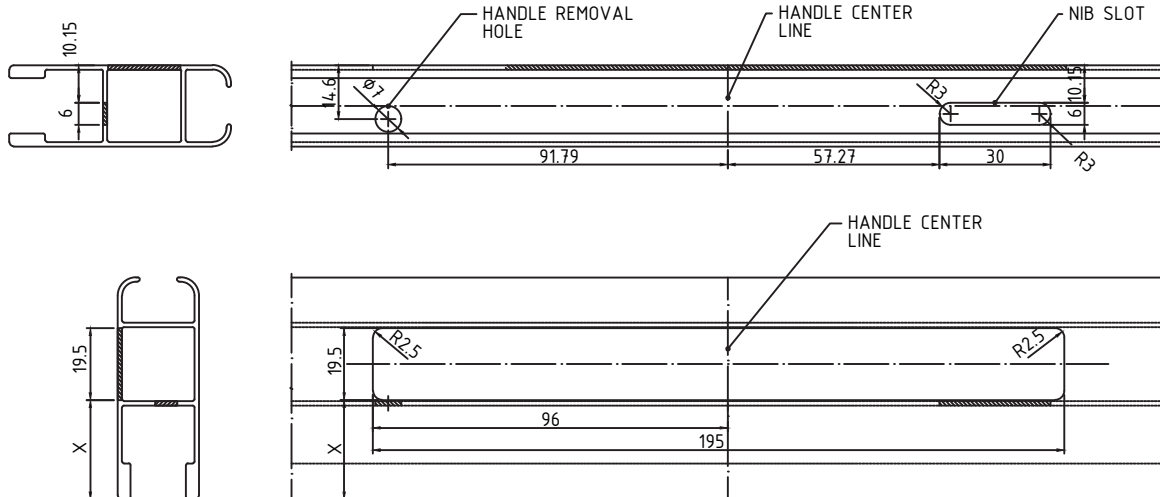


Packaging: 100 pcs/box

VYU-SL-11 | Sliding Embedded Flush Handle

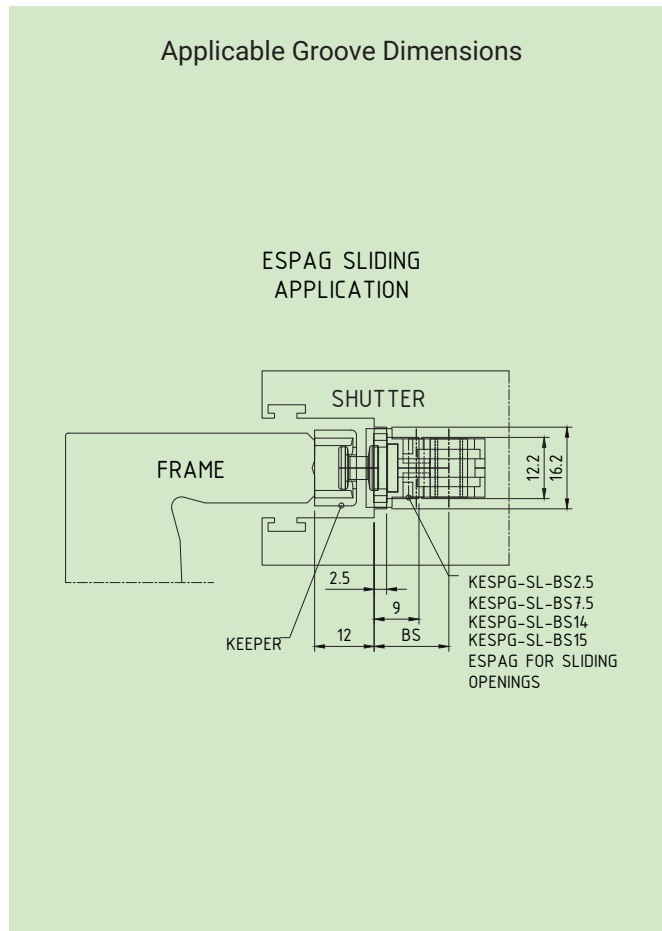


Machining Details



Packaging: 100 pcs/box

**KESPG-SL I Sliding System Espags with Fixed Length Front Plate and Connection Rod**



**FUNCTION**

Provides multi-locking application for UPVC, aluminium and wooden sliding openings. Key option available for door application.

**FINISH**

Electroplated, Stainless Steel 304

**MATERIAL SPECIFICATION**

Gear housing and Gear: ZAMAK

Front Plate & Connection Rod:  
 CSGP - Carbon Steel (with electroplated finish)  
 SS304 - Stainless steel grade 304.

**CODES DESCRIPTION**

Art. Code	Details
KESPG-SL-BSXX-LXXX-Y-CSGP	Carbon steel material
KESPG-SL-BSXX-LXXX-Y-SS304	Stainless steel grade material

BSXX - Backsets available in BS2.5, BS7.5, BS14, BS15  
 "LXXX" - Front plate length in mm, "Y" - Locking Pin# (default CAM 'C')

Packaging: 30 pcs/box

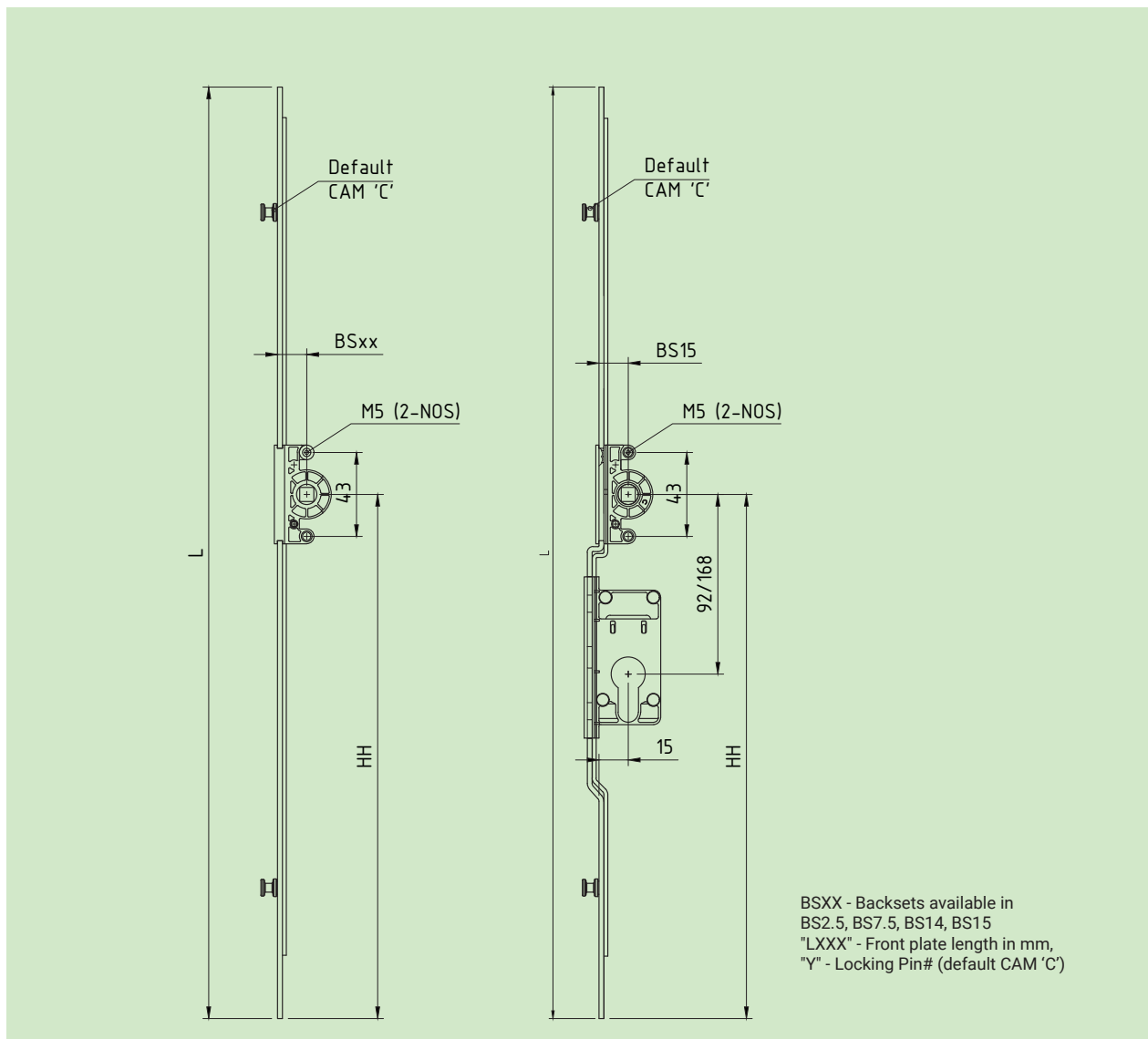
**TECHNICAL FEATURES**

- Applicable for uPVC, aluminium and wooden sliding frames with 12/16mm groove on sash profile (please see the sketch)
- For aluminium sliding frame adaptors may be required to be used
- Each espag could be used on wide range of sash sizes and could provide multi locking facility.
- Operated by single, or double (for doors), lever handle with 7X7mm square spindle.
- Operating angle 90°.
- Locking pins stroke distance 16mm
- Equipped with mushroom locking pin CAM-C (default).

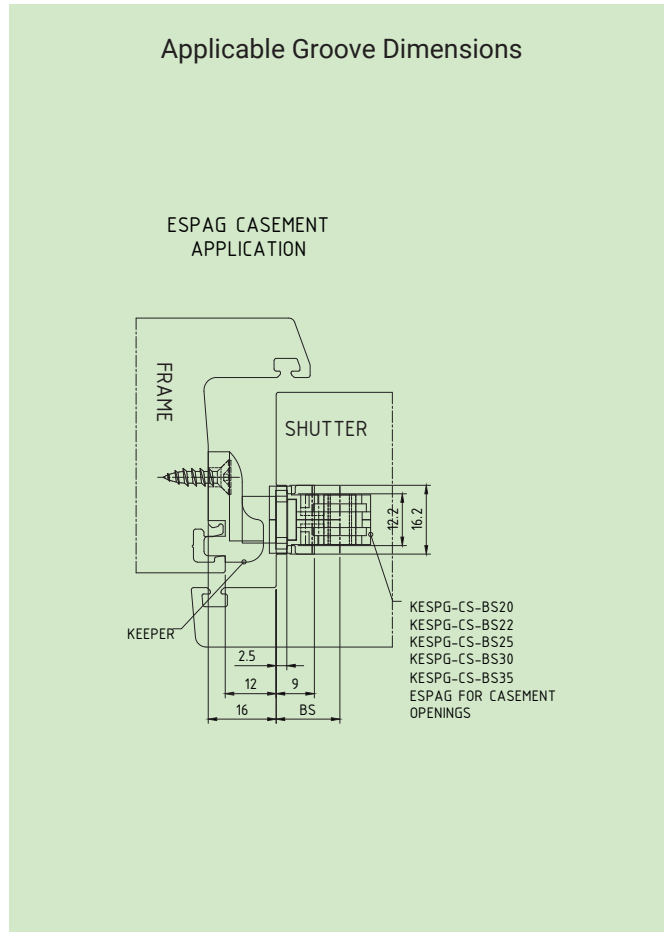
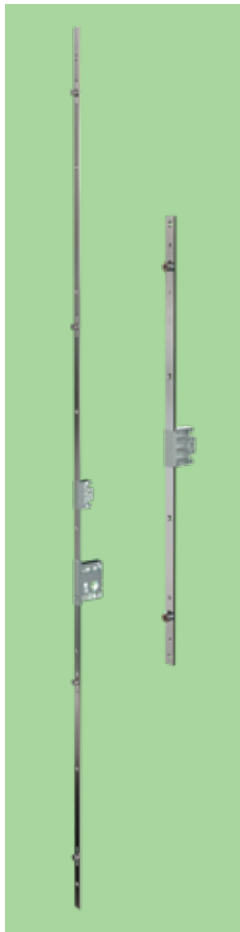
Sliding System Espags with Fixed Length Front Plate and Connection Rod

#	Art. Code	BS (mm)	L (mm)	HH (mm)	CC (mm)	Locking pins qty.
1	KESPG-SL-BSXX-L280	XX	280	140	N/A	2
2	KESPG-SL-BSXX-L400	XX	400	200	N/A	2
3	KESPG-SL-BSXX-L600	XX	600	300	N/A	2
4	KESPG-SL-BSXX-L800	XX	800	400	N/A	2
5	KESPG-SL-BSXX-L1000	XX	1000	500	N/A	3
6	KESPG-SL-BSXX-L1200	XX	1200	600	N/A	3
7	KESPG-SL-BSXX-L1400	XX	1400	700	N/A	3
8	KESPG-SL-BSXX-L1600	XX	1600	800	N/A	4
9	KESPG-SL-BSXX-L1800	XX	1800	900	N/A	4
10	KESPG-SL-BS15-KCC-L1800	XX	1800	900	92/168	4

Note: Serrated End conection rod can also be provided.



KESPG-CS | Casement System Espags with Fixed Length Front Plate and Connection Rod



**FUNCTION**

Provides multi-locking application for UPVC, aluminium and wooden casement openings. Key option available for door application.

**FINISH**

Electroplated, Stainless Steel 304

**MATERIAL SPECIFICATION**

Gear housing and Gear: ZAMAK

Front Plate & Connection Rod:  
 CSGP - Carbon Steel (with electroplated finish)  
 SS304 - Stainless steel grade 304.

**CODES DESCRIPTION**

Art. Code	Details
KESPG-CS-BSXX-LXXX-Y-CSGP	Carbon steel material
KESPG-CS-BSXX-LXXX-Y-SS304	Stainless steel grade material

BSXX - Backsets available in BS20, BS22, BS25, BS30, BS35  
 "LXXX" - Front plate length in mm, "Y" - Locking Pin# (default CAM 'C')

Packaging: 30 pcs/box

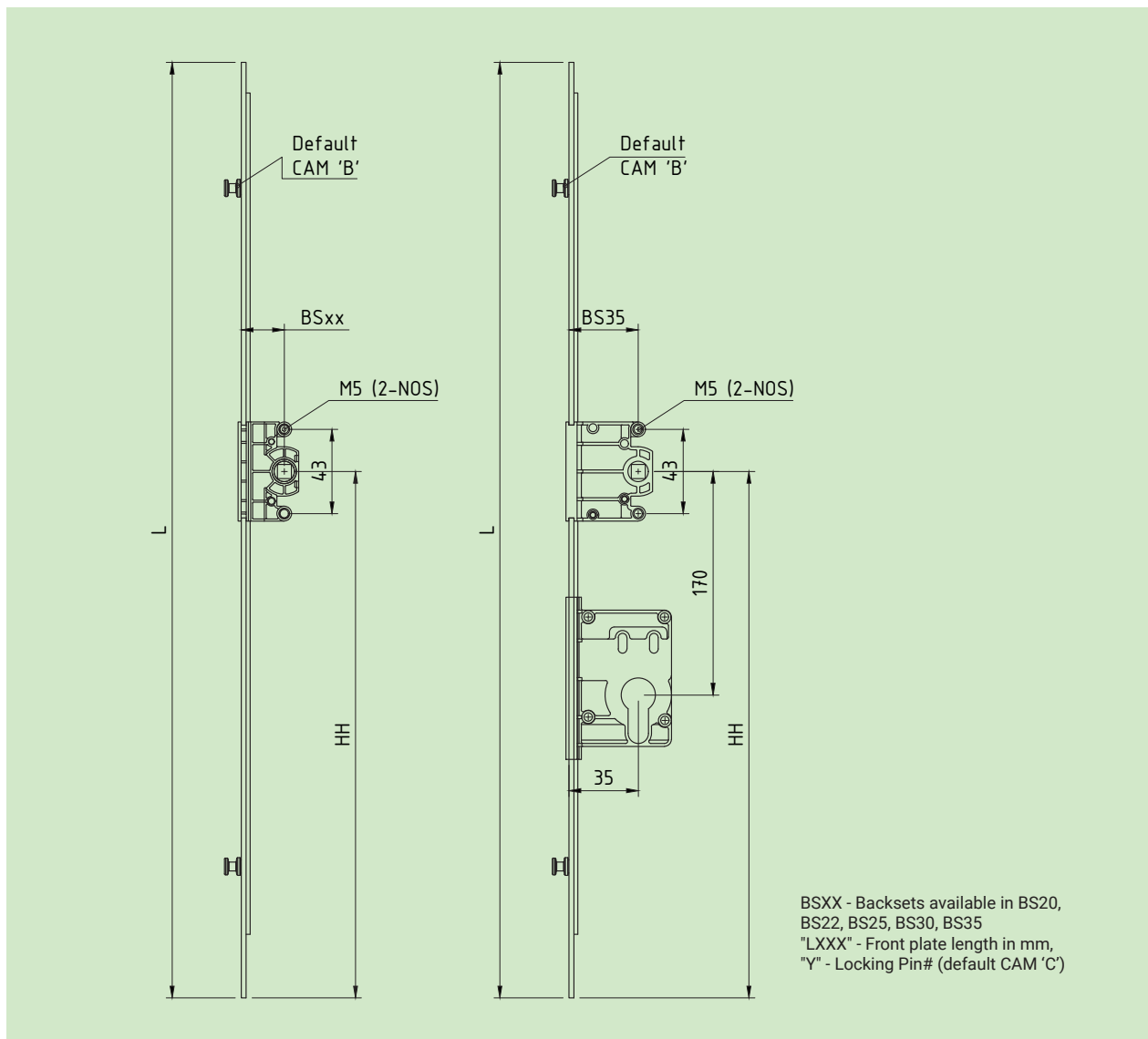
**TECHNICAL FEATURES**

- Applicable for uPVC, aluminium and wooden sliding frames with 12/16mm groove on sash profile (please see the sketch)
- For aluminium sliding frame adaptors may be required to be used
- Each espag could be used on wide range of sash sizes and could provide multi locking facility.
- Operated by single, or double (for doors), lever handle with 7X7mm square spindle.
- Operating angle 90°.
- Locking pins stroke distance 16mm
- Equipped with mushroom locking pin CAM-B (default).

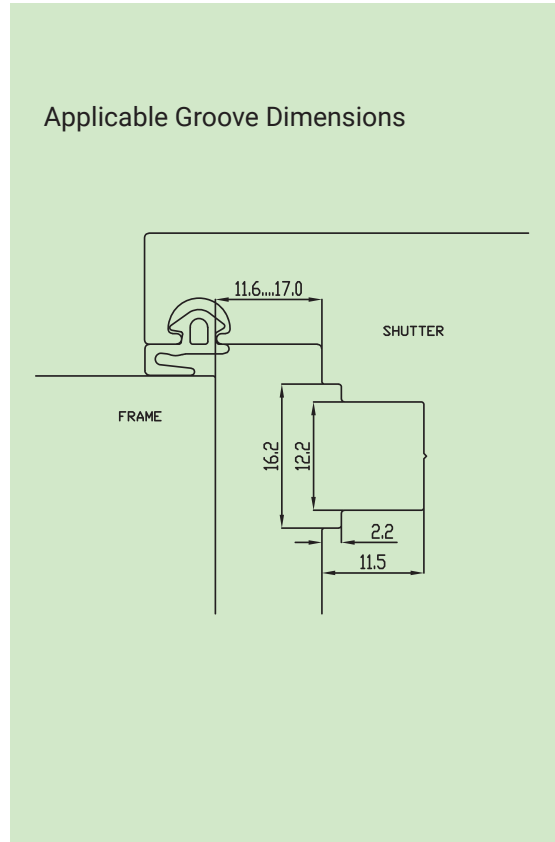
ESPAGS WITH FIXED LENGTH FRONT PLATE AND CONNECTION ROD

#	Art. Code	BS (mm)	L (mm)	HH (mm)	CC (mm)	Locking pins qty.
1	KESPG-CS-BSXX-L280	XX	280	140	N/A	2
2	KESPG-CS-BSXX-L400	XX	400	200	N/A	2
3	KESPG-CS-BSXXL600	XX	600	300	N/A	2
4	KESPG-CS-BSXX-L800	XX	800	400	N/A	2
5	KESPG-CS-BSXXL1000	XX	1000	500	N/A	3
6	KESPG-CS-BSXX-L1200	XX	1200	600	N/A	3
7	KESPG-CS-BSXX-L1400	XX	1400	700	N/A	3
8	KESPG-CS-BSXX-L1600	XX	1600	800	N/A	4
9	KESPG-CS-BSXX-L1800	XX	1800	900	N/A	4
10	KESPG-CS-BS35-KCC-L1800	XX	1800	900	170	4

Note: Serrated End conection rod can also be provided.



KESPG-EXT I Extension Rod



**FUNCTION**

Provides additional locking points for UPVC, or wooden, sliding and casement opening.

**FINISH**

Stainless Steel 304

**MATERIAL SPECIFICATION**

Gear housing and Gear: ZAMAK

Front Plate & Connection Rod:  
 CSGP - Carbon Steel (with electroplated finish)  
 SS304 - Stainless steel grade 304.

**CODES DESCRIPTION**

Art. Code	Details
KESPG-EXT-LXXXX-Y-SS304	Stainless steel grade material

"XXXX" - Front plate length in mm "Y" - Locking Pin#

**TECHNICAL FEATURES**

- Applicable for uPVC and wooden sliding and casement opening with 12/16mm groove on sash profile (please see the sketch)
- Each extension could be used on wide range of sash sizes to provide additional locking points.
- One end could be connected with espag, or other extension, to add locking points for sliding and casement openings.
- Locking pins stroke distance 16mm
- Equipped with default locking pin:CAM-F
- To be used with suitable for frame and locking pin strikers, depends on the applied pins and frame profile design.
- Recommended for multi-locking and perimeter locking facilities for the openings, like:
  - o Sliding doors and windows;
  - o Inward and outward operable side hung doors
  - o Top and bottom hung windows;and windows.

Packaging: 30 pcs/box

## Locking Solutions & Accessories >> Espagnolettes

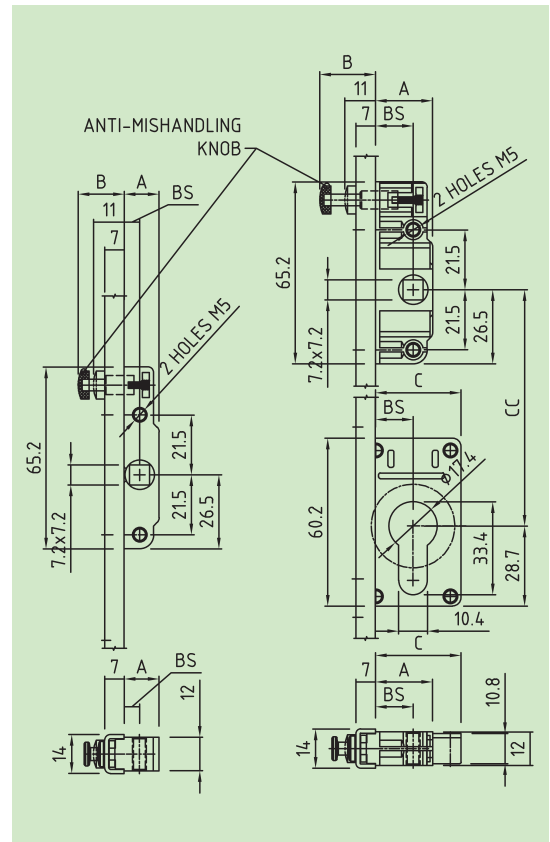
### Extension ROD

#	Art. Code	L(mm)	Extendible	Locking pins qty.	Function
1	KESPG-EXT-L155	155	No	1	Only to maintain additional locking point
2	KESPG-EXT-L300	300	Yes	1	To maintain additional locking point and connect with next device
1	KESPG-EXT-L330	330	Yes	0	Only to connect with next device. Cut-off front plate and serrated connection plate
1	KESPG-EXT-L400	400	Yes	1	To maintain additional locking point and connect with next device
1	KESPG-EXT-L600	600	Yes	1	To maintain additional locking point and connect with next device

### C-Shaped Front Plate Espagnolettes

Provides multi-point locking application for Non-Groove / Flat Fixing Profile Shutters.

- Available in BS5.5 & 13.5mm backset
- Lengths available 650mm / 1150mm 1600mm /1800mm.
- Customization with locking pins offered as required.
- Available in Stainless Steel 304 grade options.
- Available in Anti-mishandling feature



Gear Box Dimensions	BS, mm	A, mm	B, mm	C, mm	CC, mm
KESPG-NE-SL-BS5.5	5.5	12.5	16.5	N/A	N/A
KESPG-NE-SL-BS13.5	13.5	20.5	20.0	N/A	N/A
KESPG-NE-SL-BS13.5-KL	13.5	20.5	20.0	30.7	200

#### Product Details for KESPG-NE-SL-BS5.5 / KESPG-NE-SL-BS13.5

Item Code	L, mm	HH, mm	LOCKING PIN
KESPG-NE-SL-BSxx-yy-MD-L650	650	325	2
KESPG-NE-SL-BSxx-yy-MD-L1150	1150	575	3
KESPG-NE-SL-BSxx-yy-MD-L1600	1600	800	4
KESPG-NE-SL-BSxx-yy-MD-L1800	1800	800	4

#### Product Details for KESPG-NE-SL-BS13.5-KL

Item Code	L, mm	HH, mm	LOCKING PIN
KESPG-NE-SL-BS13.5-KL-yy-MD-L1150	1150	575	3
KESPG-NE-SL-BS13.5-KL-yy-MD-L1600	1600	800	4
KESPG-NE-SL-BS13.5-KL-yy-MD-L1800	1800	800	4

xx - Backset, yy - Cam Type, MD - Anti-Mishandling Device

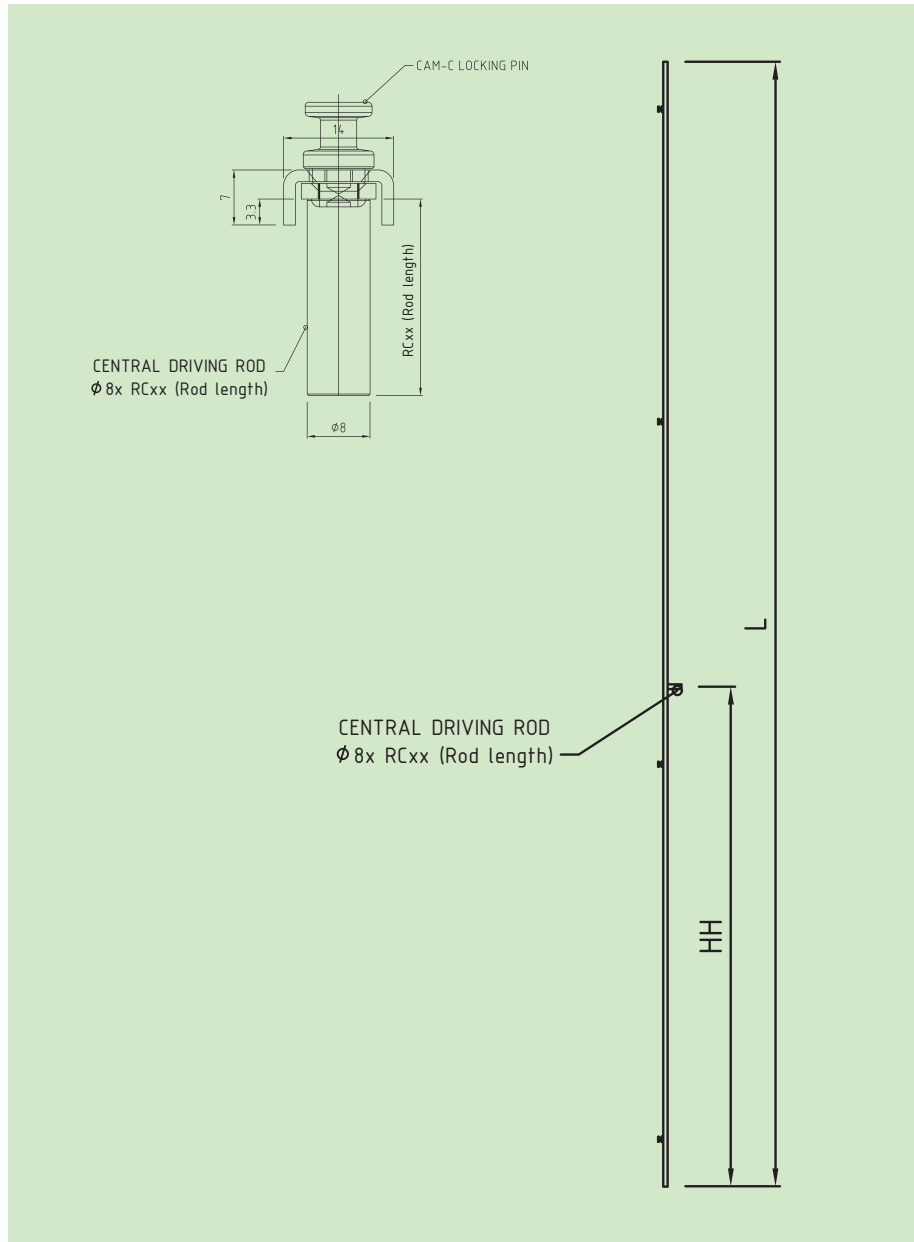
Packaging: 30 pcs/box

**KESPG-NE-SL-MISC-RC**

Connector Rod Espagnolette  
(without gear box)



KESPG-NE-SL-MISC-RC


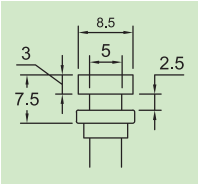

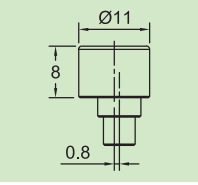

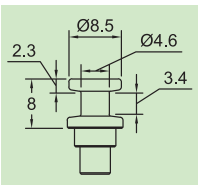

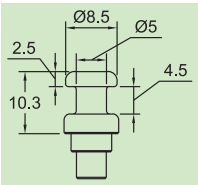

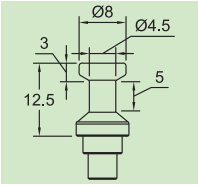

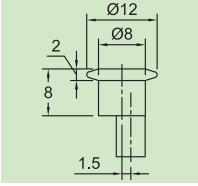

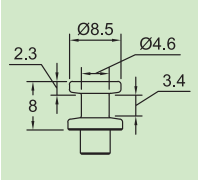

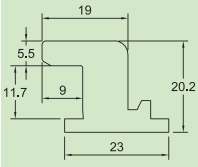


Item Code	L, mm	HH, mm	Locking Pins No.
KESPG-NE-SL-MISC-RCxx-yy-L650	650	325	2
KESPG-NE-SL-MISC-RCxx-yy-L1150	1150	575	3
KESPG-NE-SL-MISC-RCxx-yy-L1600	1600	800	4
KESPG-NE-SL-MISC-RCxx-yy-L1800	1800	800	4

xx - Rod Connector Length, yy - Cam Type


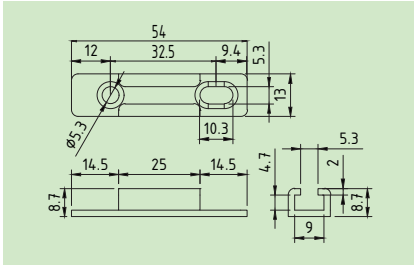

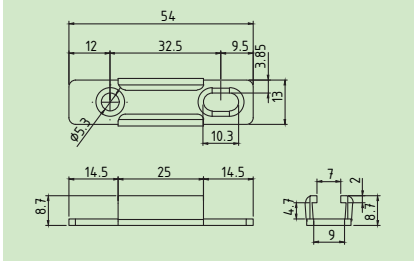

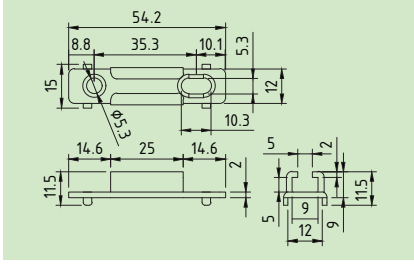

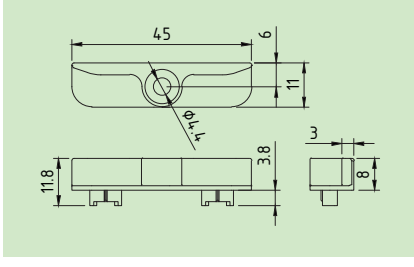
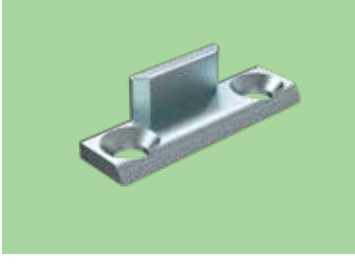
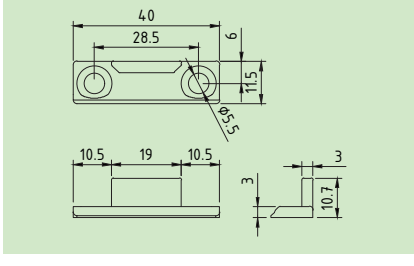

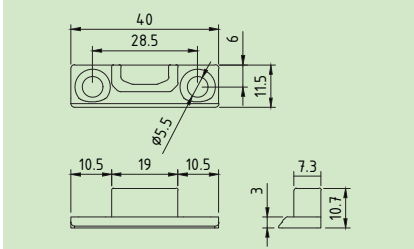
Packaging: 30 pcs/box

CAMs and Keepers Compatibility Table

CAM #	Product	Dimensional Sketch	Material Specification	Compatible Keeper
A			ZAMAK	KMI-KPR-01, KMI-DCK-KPR-01, KESPG-CS-KPR-08, KESPG-CS-KPR-08-V1, KESPG-CS-KPR-12, KESPG-CS-KPR-13
B			Carbon Steel / SS 304	KESPG-CS-KPR-01, KESPG-CS-KPR-02, KESPG-CS-KPR-03, KESPG-CS-KPR-04, KESPG-CS-KPR-05, KESPG-CS-KPR-07, KESPG-CS-KPR-11
C			Carbon Steel / SS 304	KMI-KPR-01, KMI-DCK-KPR-01, KESPG-CS-KPR-08, KESPG-CS-KPR-08-V1, KESPG-CS-KPR-12, KESPG-CS-KPR-13
D			Carbon Steel / SS 304	KMI-KPR-01, KMI-DCK-KPR-01, KESPG-CS-KPR-08, KESPG-CS-KPR-08-V1, KESPG-CS-KPR-12, KESPG-CS-KPR-13
E			Carbon Steel / SS 304	KMI-KPR-01, KMI-DCK-KPR-01, KESPG-CS-KPR-08, KESPG-CS-KPR-08-V1, KESPG-CS-KPR-12, KESPG-CS-KPR-13
F			SS 304	KESPG-CS-KPR-10
I			SS 304	KMI-KPR-01, KMI-DCK-KPR-01, KESPG-CS-KPR-08, KESPG-CS-KPR-08-V1, KESPG-CS-KPR-12, KESPG-CS-KPR-13
SHK			SS 304	AC-CP-01 KELMISC00045

# Locking Solutions & Accessories >> Espagnolettes

## Keepers

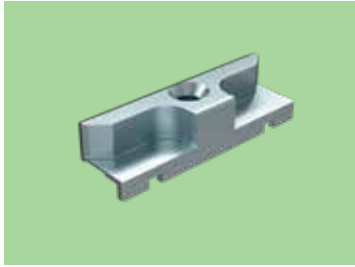
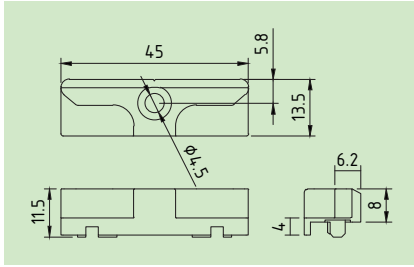
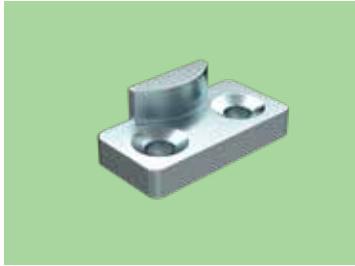
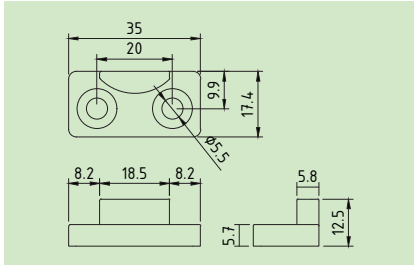

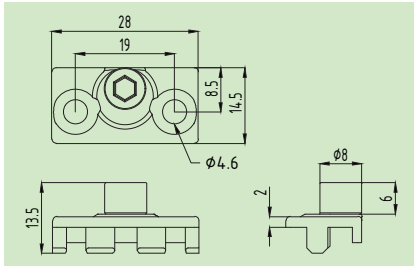
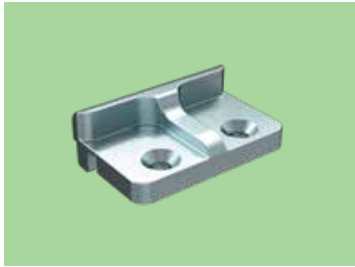
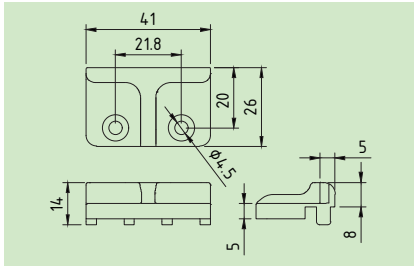

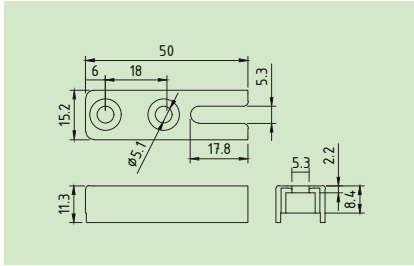
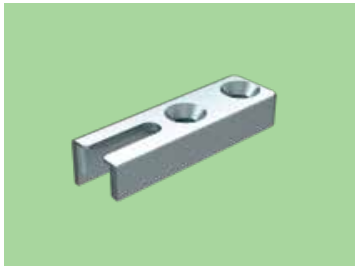
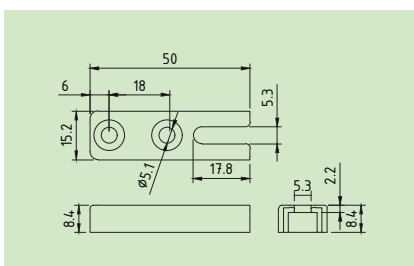
Keeper #	Product	Drawing	Material Specification
KMI-KPR-01			KMI-KPR-01-CSGP: Carbon Steel KMI-KPR-01-SS304: Stainless Steel 304
KMI-KPR-01-V1			KMI-KPR-01-CSGP: Carbon Steel KMI-KPR-01-SS304: Stainless Steel 304
KMI-DCK-KPR-01			KMI-KPR-01-CSGP: Carbon Steel KPI-KPR-01-SS304: Stainless Steel 304
KESPG-CS-KPR-01			ZAMAK
KESPG-CS-KPR-02			ZAMAK
KESPG-CS-KPR-03			ZAMAK

Packaging: 500 pcs/box

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All dimensions above are in mm

Keepers

Keeper #	Product	Drawing	Material Specification
KESPG-CS-KPR-04			ZAMAK
KESPG-CS-KPR-05			ZAMAK
KESPG-CS-KPR-06			ZAMAK with Stainless Steel 304 eccentric pin
KESPG-CS-KPR-07			ZAMAK
KESPG-CS-KPR-08			ZAMAK
KESPG-CS-KPR-08-V1			ZAMAK

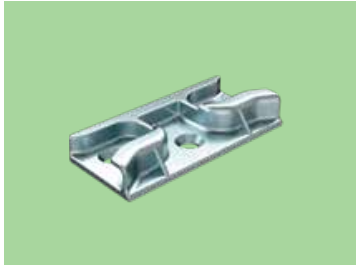
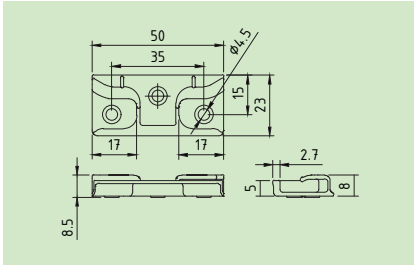
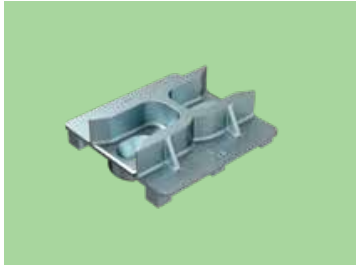
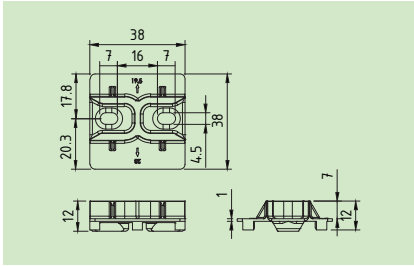

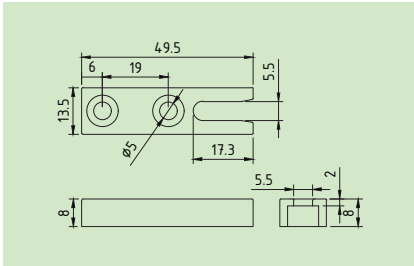

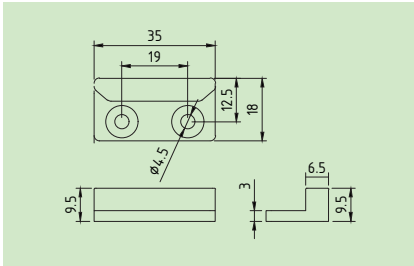
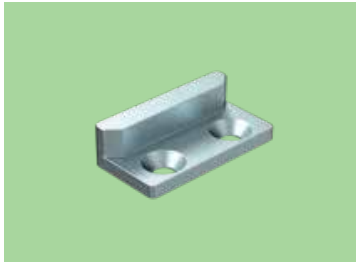
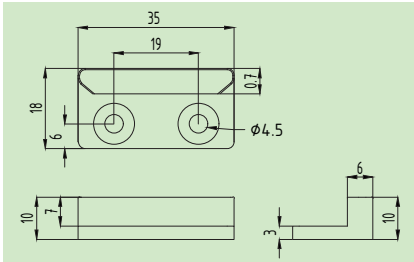
Packaging: 500 pcs/box

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All dimensions above are in mm

# Locking Solutions & Accessories >> Espagnolettes

## Keepers

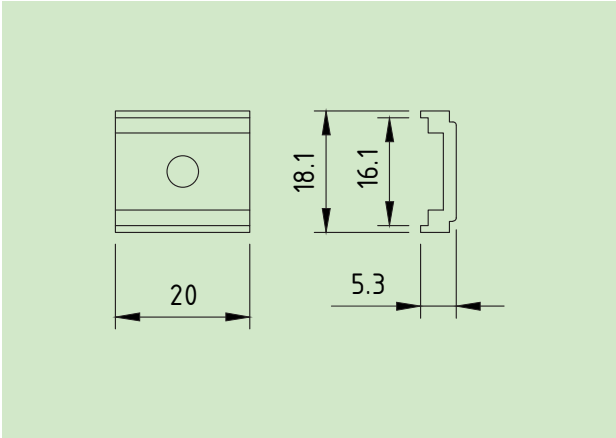
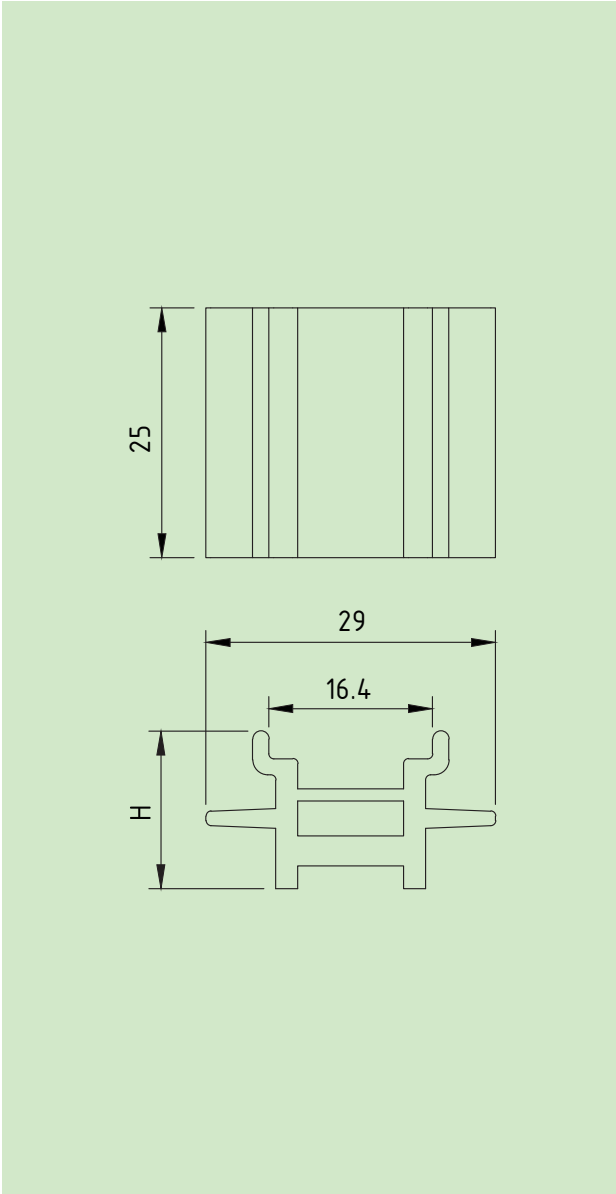
Keeper #	Product	Drawing	Material Specification
KESPG-CS-KPR-10			ZAMAK
KESPG-CS-KPR-11			ZAMAK
KESPG-CS-KPR-13			ZAMAK
KESPG-CS-KPR-14			ZAMAK
KESPG-CS-KPR-14-V2			ZAMAK

Packaging: 500 pcs/box

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All dimensions above are in mm

Shutter Adapters



### Shutter Adapters

#### FUNCTION

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Polyamide adapters used to fix espags on aluminium sliding sash profiles to provide multi-locking facilities.

#### FINISH

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Black

#### MATERIAL SPECIFICATION

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Polyamide

#### TECHNICAL FEATURES

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- Applicable for suitable aluminium sliding frames to fix espags to aluminium sash profile.
- To be used with the following espag slidings: KESPG-SL-BS2.5, KESPG-SL-BS7.5, KESPG-SL-BS14, and KESPG-SL-BS15.
- Recommended for multi-locking applications of the aluminium sliding doors and windows with suitable sash design.

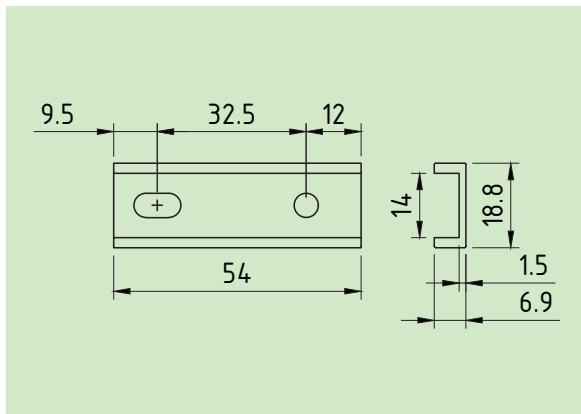
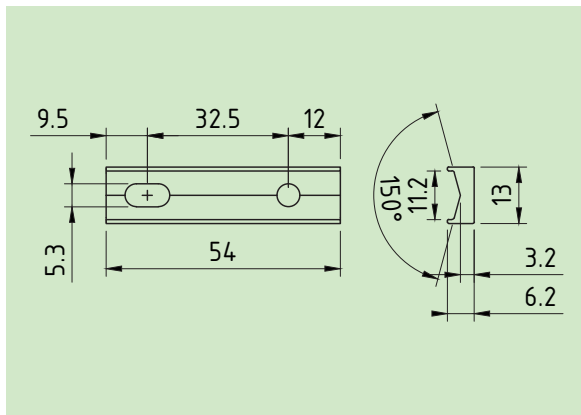
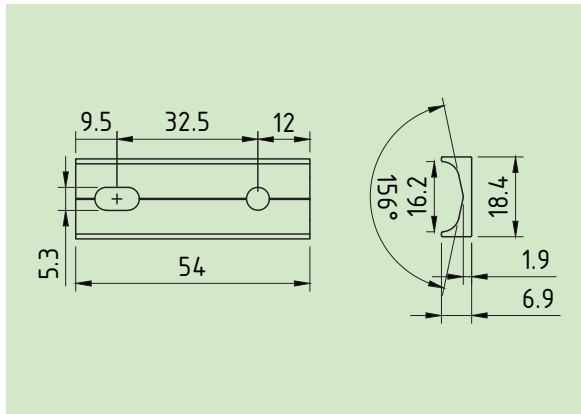
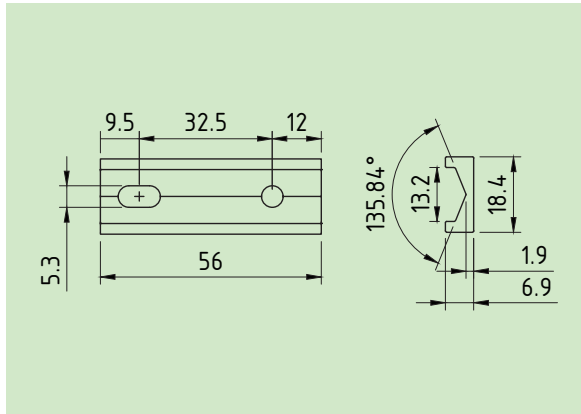
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Art. Code	H (mm)
KESPG-MI-03	24.5
KESPG-MI-04	15.8
KESPG-MI-05	13.5
KESPG-MI-07	17.8

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Packaging: 500 pcs/box

Frame Spacers

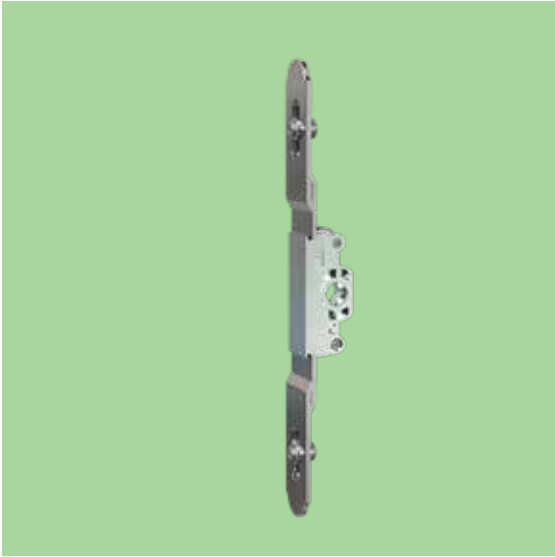


Packaging: 500 pcs/box

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All dimensions above are in mm

**KGRM I Uni-directional Gear Mechanism**



**FUNCTION**

Uni-directional locking mechanism developed for hollow aluminium, or steel, profiles, where other locking devices are not applicable.

**FINISH**

SS304

**PARTS**

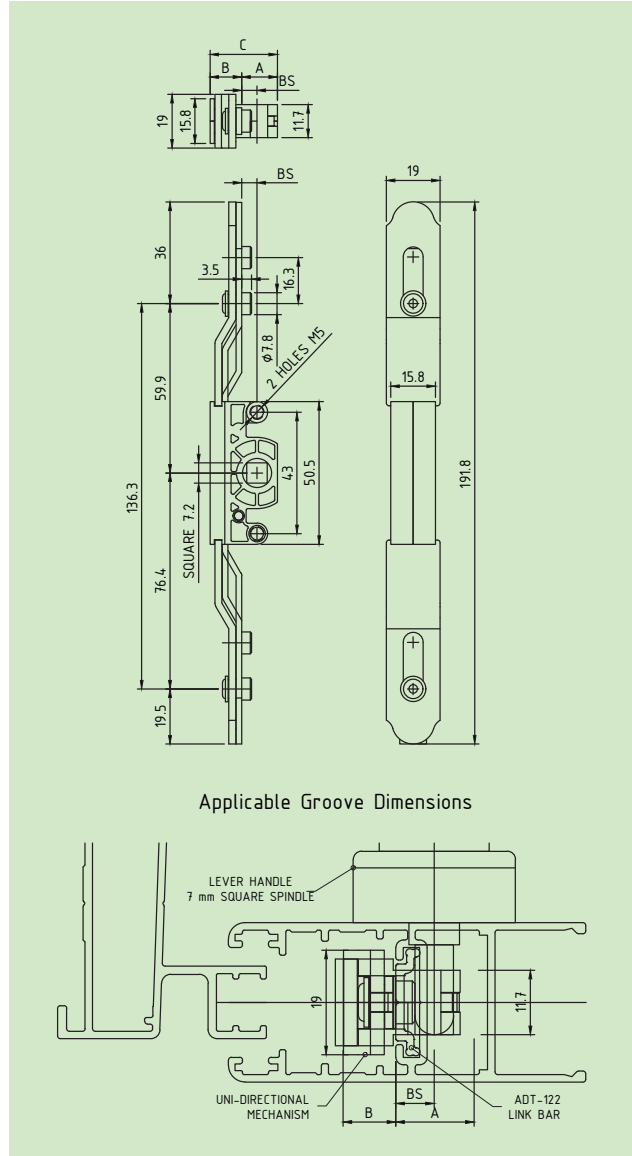
- Front Plate and Connection Rod
- Gear Housing and Gear
- Spacer

**MATERIAL SPECIFICATION**

Gear housing and Gear: ZAMAK  
 SS304 - Stainless steel grade 304

**TECHNICAL FEATURES**

Uni-directional / gear mechanism developed for locking control of sliding / casement aluminium frames with Euro groove, as alternative to cremone bolts. Used along with Euro groove link bars and lever handles with 7 mm square spindles.



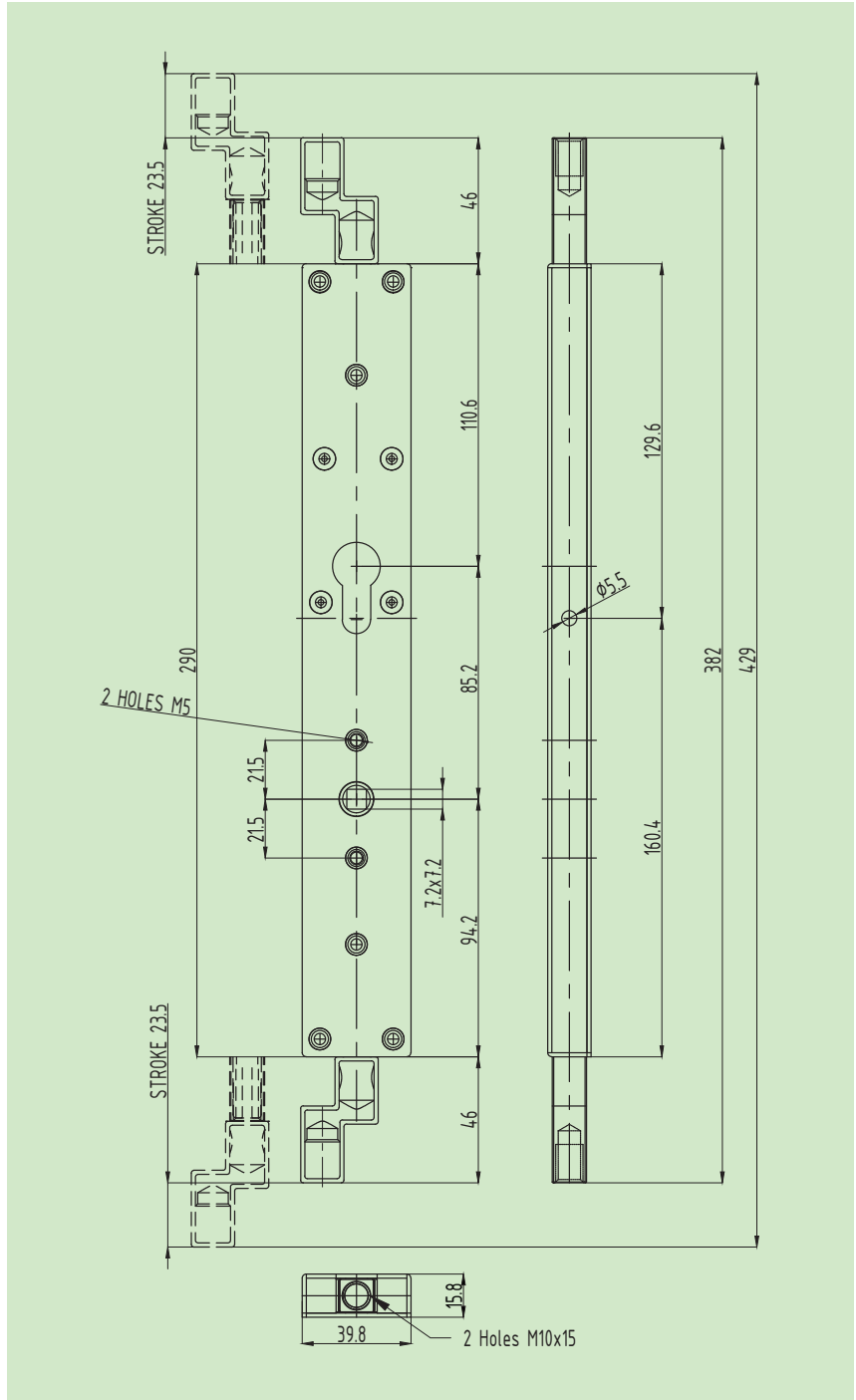
**PRODUCT DETAILS**

Product Code	BS	A (mm)	B (mm)	C (mm)
KGRM-01	4.4	11.7	11	22.7
KGRM-02	9.3	16.6	6.7	23.3
KGRM-03	11.7	19.0	6.7	25.7
KGRM-04	22.5	30.2	6.8	37.0
KGRM-05	12.9	25.5	6.8	32.3

Packaging: 100 pcs/box

### KLO-05 I Shootbolt Mechanism

Bi-directional locking mechanism developed for hollow aluminium or steel profiles where other locking devices are not applicable. Provides two locking points for casement / sliding doors and windows openings by customized length Ø10 mm steel locking rods.

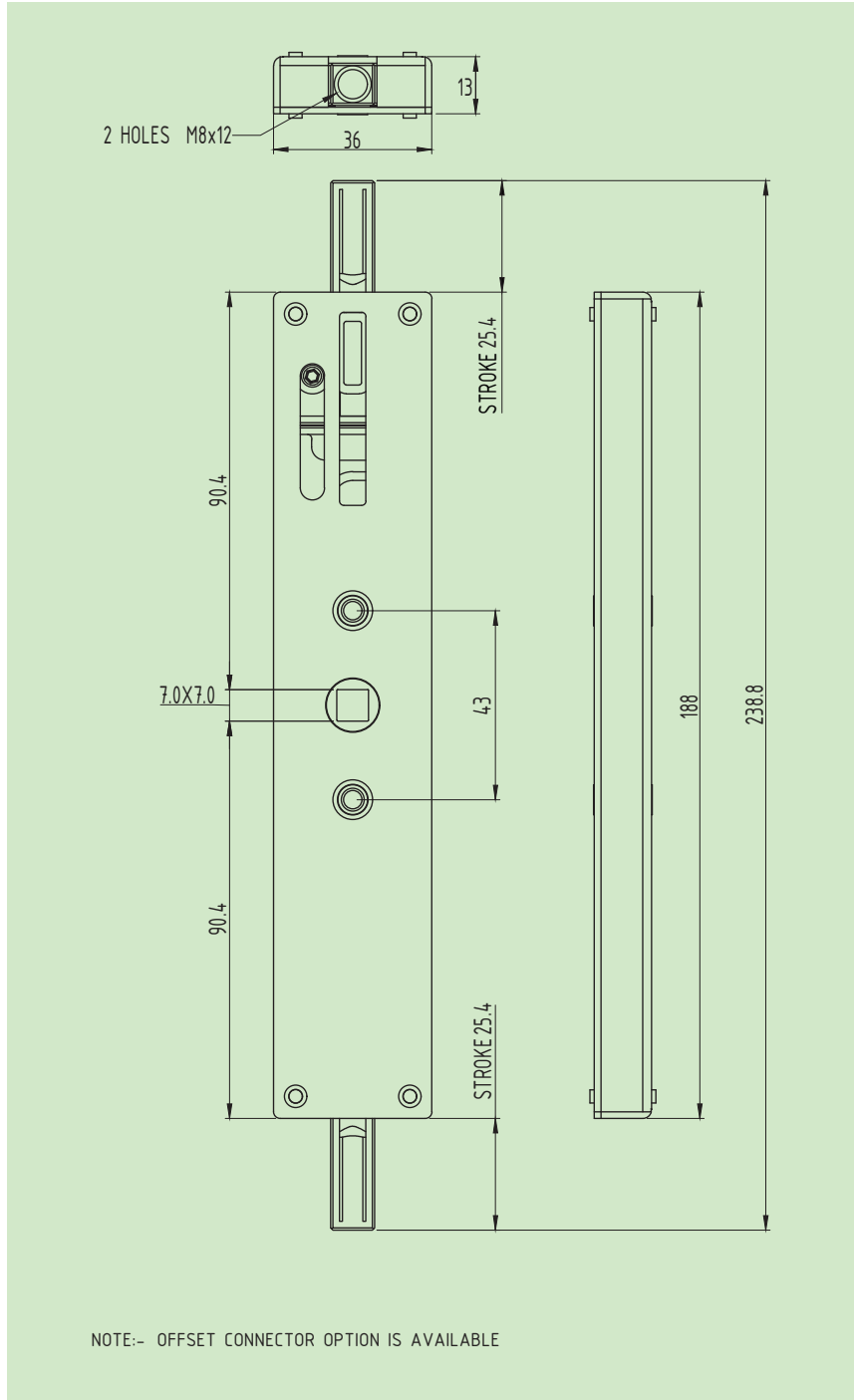


Packaging: 100 pcs/box

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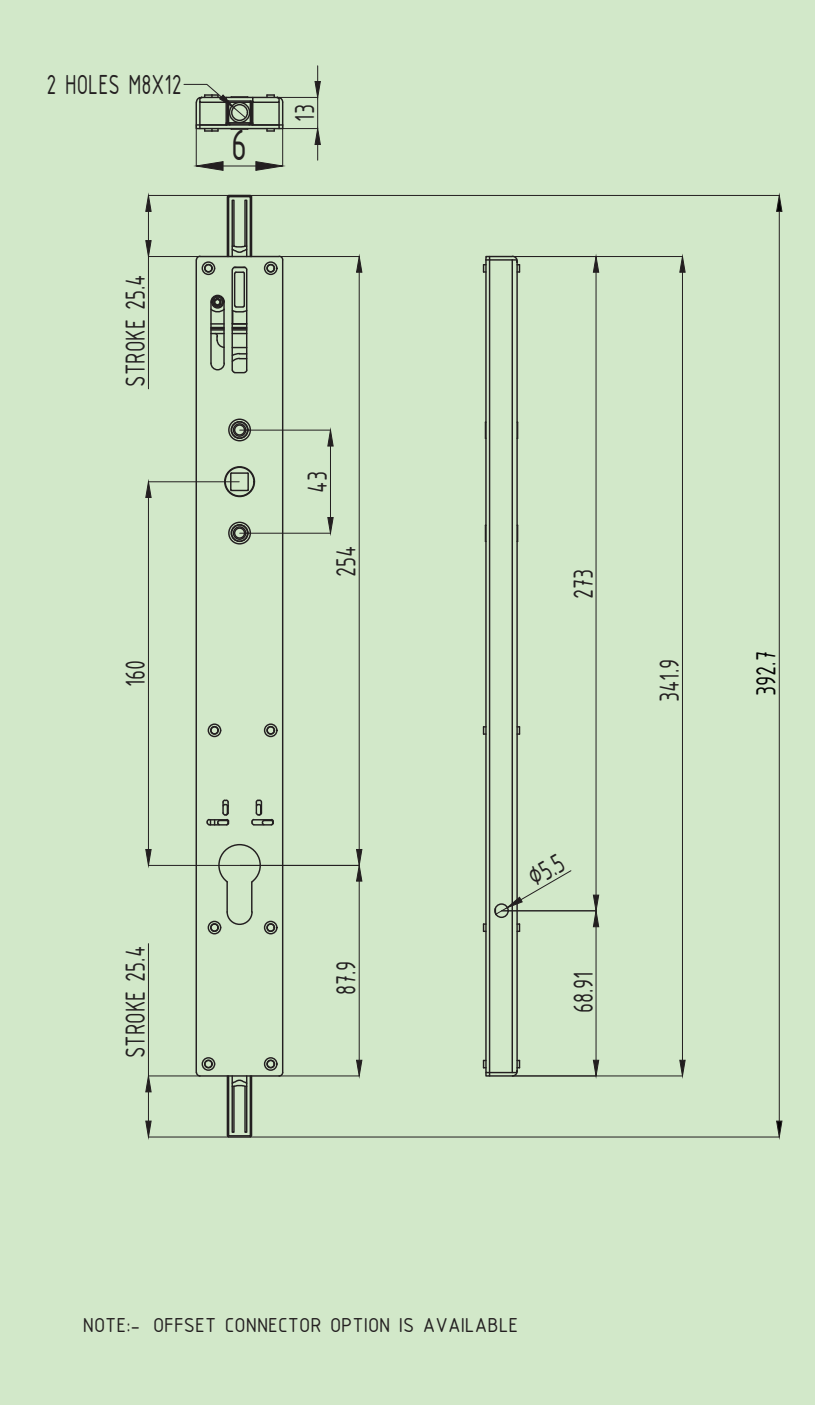
All dimensions above are in mm

KLO-06 I Shootbolt Mechanism



Packaging: 100 pcs/box

KLO-06-KL I Shootbolt Mechanism



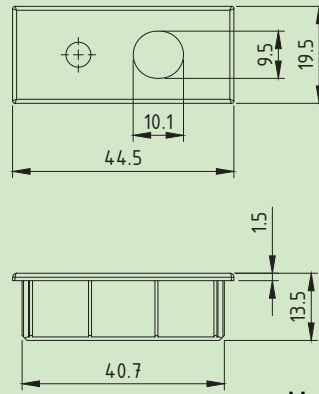
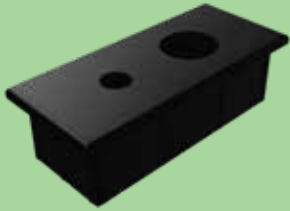
Packaging: 100 pcs/box

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All dimensions above are in mm

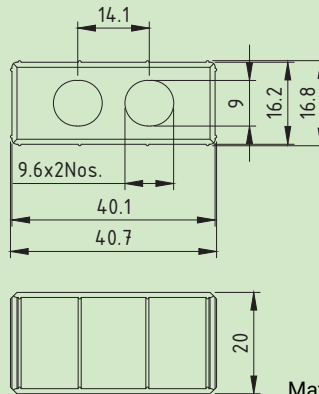
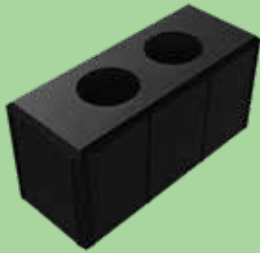
Miscellaneous Accessories

KLO-06-CMHW-12



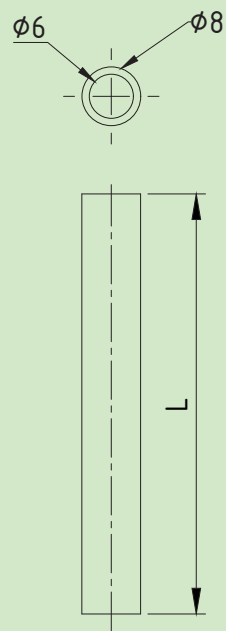
Material : Polyamide

KLO-06-CMHW-07



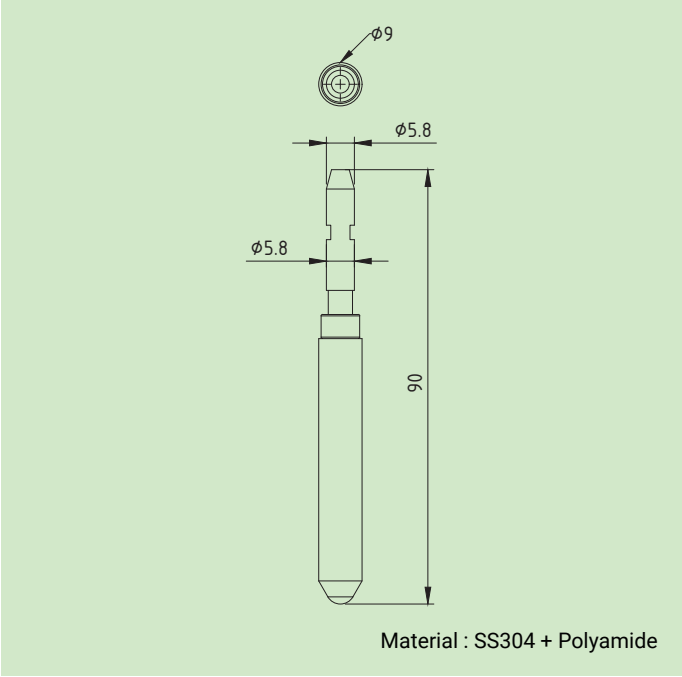
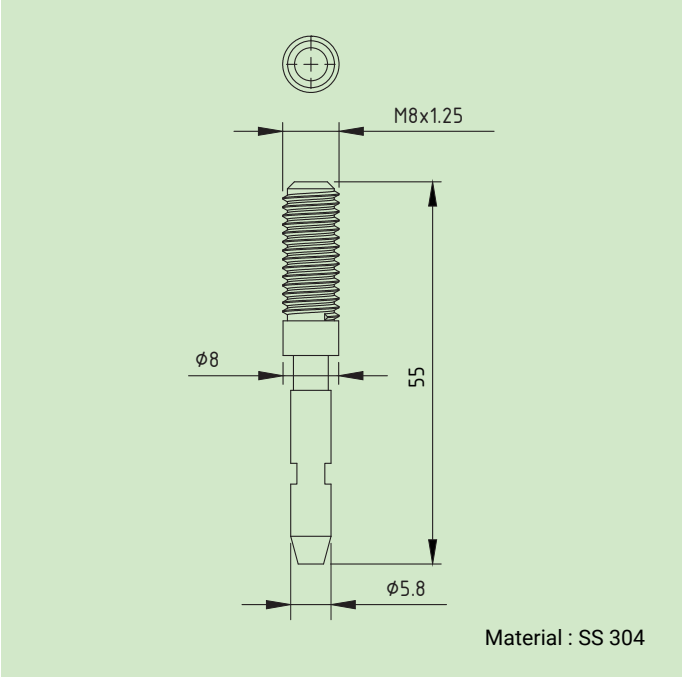
Material : Polyamide

KLO-06-CMHW-09



Material : Mild Steel

Miscellaneous Accessories



Note: Customized Shootbolt Mechanism Accessories can also be developed as per requirements.

## KMI-KV-DRL-00 | Bi-directional Locking Mechanism



### FUNCTION

Bi-directional locking mechanism developed for hollow aluminium, or steel, profiles, where other locking devices are not applicable. Provides two locking points for casement doors and windows openings by customized length Ø10 mm steel locking rods.

### FINISH

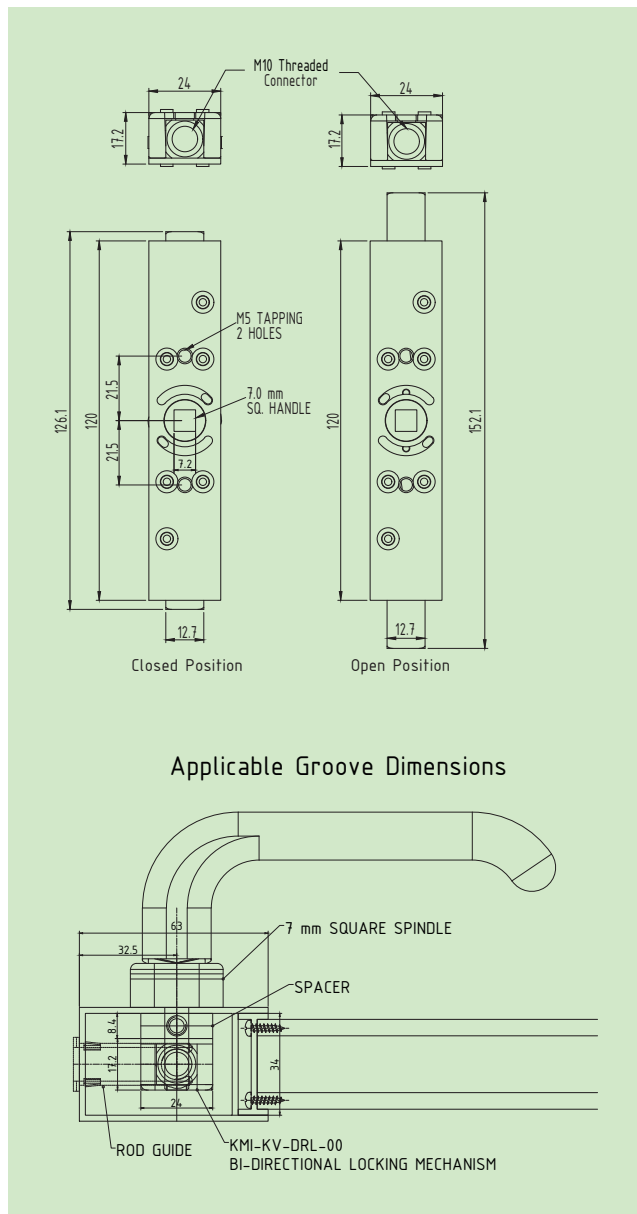
Electroplated

### MATERIAL SPECIFICATION

Carbon steel;  
ZAMAK;  
Polyamide customized parts.

### TECHNICAL FEATURES

- Applicable for aluminium, or steel casement frames with hollow profiles.
- Designed for concealed fixation inside the hollow sash profile. Customized Polyamide spacers for fixation could be developed as per request.
- Operated by single (or double) lever handle with 7x7 mm square spindle.
- Provides two locking points using two customized length Ø10 mm steel locking rods. Could be supplied with customized Polyamide rod guides. Mechanism slide blocks have M10 threaded holes to connect with Ø10 mm steel locking rods threaded ends.



### Applicable Groove Dimensions

- Bi-directional stroke distance of slide blocks: 13 mm.
- Stroke achieved for 90° movement.
- Recommended for aluminium, or steel casement doors and windows with hollow profiles design, where other locking devices are not applicable.

Packaging: 100 pcs/box

DLK-CW-02 | Window Locking Mechanism



**FUNCTION**

Window locking mechanism developed as alternative solution to cremone bolts for aluminium top hung windows with 15/20 mm groove on sash profile. Provides progressive movement of connection rods inside sash groove to control locking devices.

**FINISH**

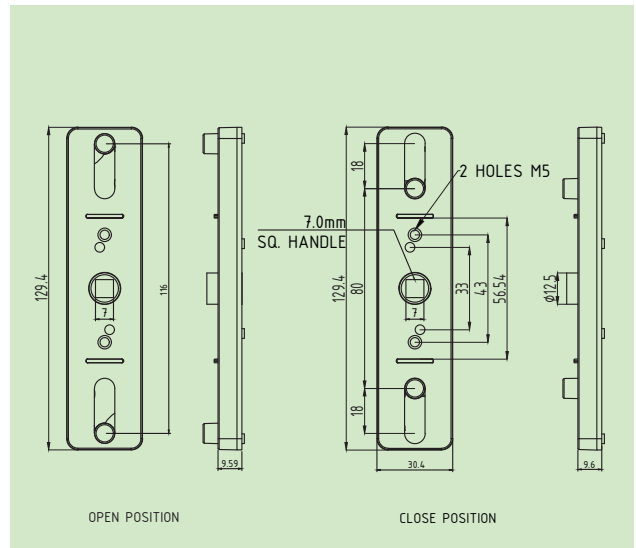
Electroplated

**MATERIAL SPECIFICATION**

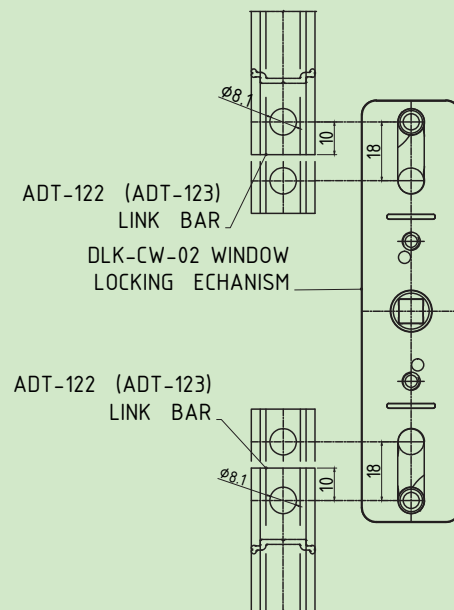
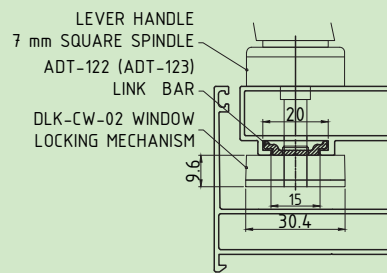
ZAMAK

**TECHNICAL FEATURES**

Window locking mechanism developed as alternative solution to cremone bolts for aluminium top hung windows with 15/20 mm groove on sash profile. Provides progressive movement of connection rods inside sash groove to control locking devices.



Application Groove Dimensions



Packaging: 100 pcs/box

## KCD-02 | Corner Transmission for Perimeter Locking



### FUNCTION

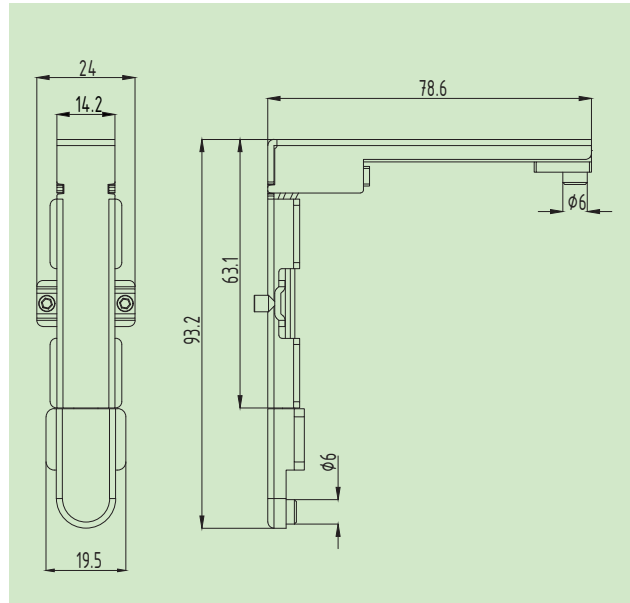
Corner transmission ensures the connection and progressive movement of the connecting rods through the corners of the sash profile, which allows the use of a multi-locking system around the perimeter of the sash.

### FINISH

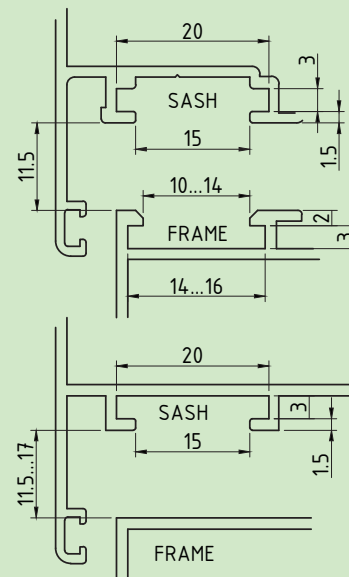
Stainless Steel 304 grade

### MATERIAL SPECIFICATION

ZAMAK; Steel parts options: SS304 - Stainless Steel grade 304.



### Applicable Groove Dimensions



### TECHNICAL FEATURES

- Applicable for aluminium casement frames with 15/20 mm groove on sash profile (please see the sketch). To be used with suitable for 15/20 mm groove connection rods (aluminium extruded or polyamide) along with adjustable eccentric locking pins AC-04 and suitable for frame strikers, AC-05, or other, depends on the frame profile design.
- Recommended for perimeter multi-locking application of the different types of the aluminium casement openings, like:
  - Inward and outward operable side hung windows and doors;
  - Top and bottom hung windows;
  - Pivot windows;
  - Tilt and turn windows;
  - Tilt and slide windows.

Packaging: 100 pcs/box

## KCD-03 | Corner Transmission for Perimeter Locking



### FUNCTION

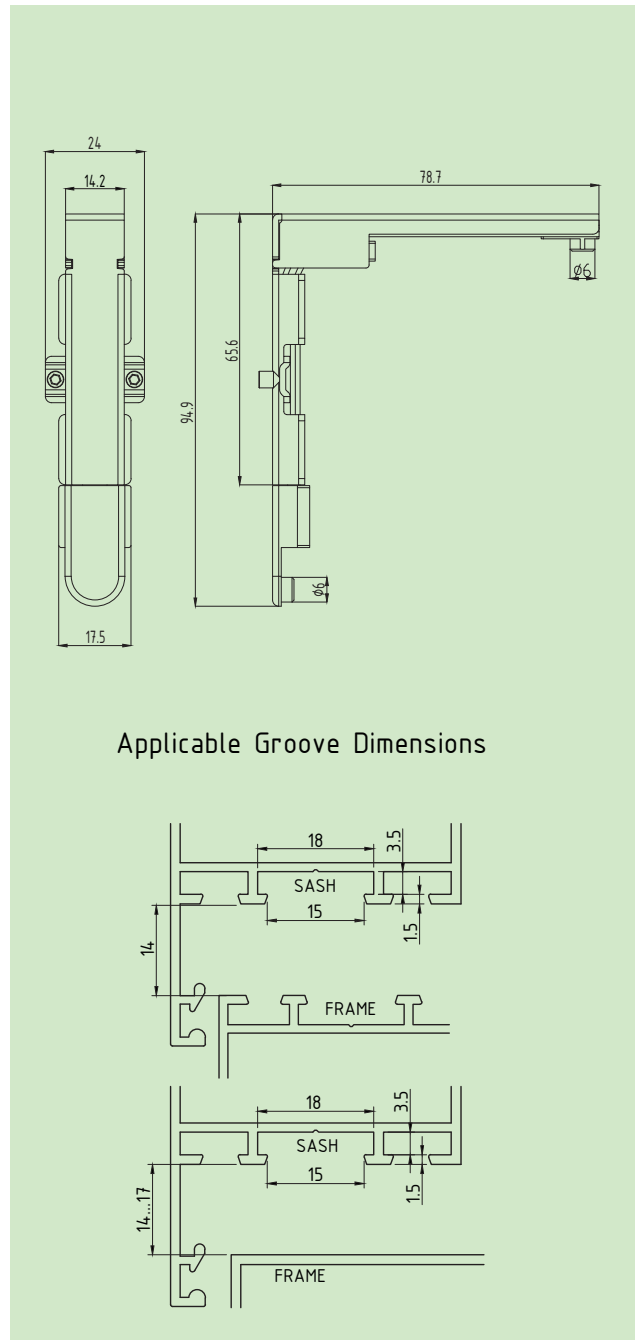
Corner transmission ensures the connection and progressive movement of the connecting rods through the corners of the sash profile, which allows the use of a multi-locking system around the perimeter of the sash.

### FINISH

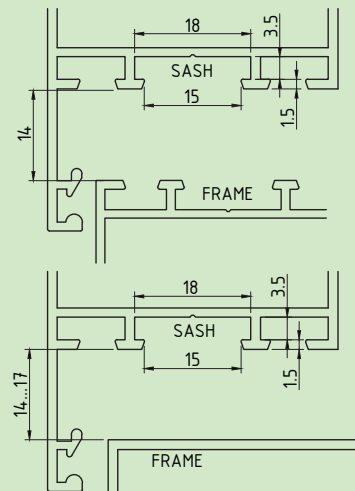
Stainless Steel 304 grade

### MATERIAL SPECIFICATION

ZAMAK; Steel parts options: SS304 - Stainless Steel grade 304.



### Applicable Groove Dimensions



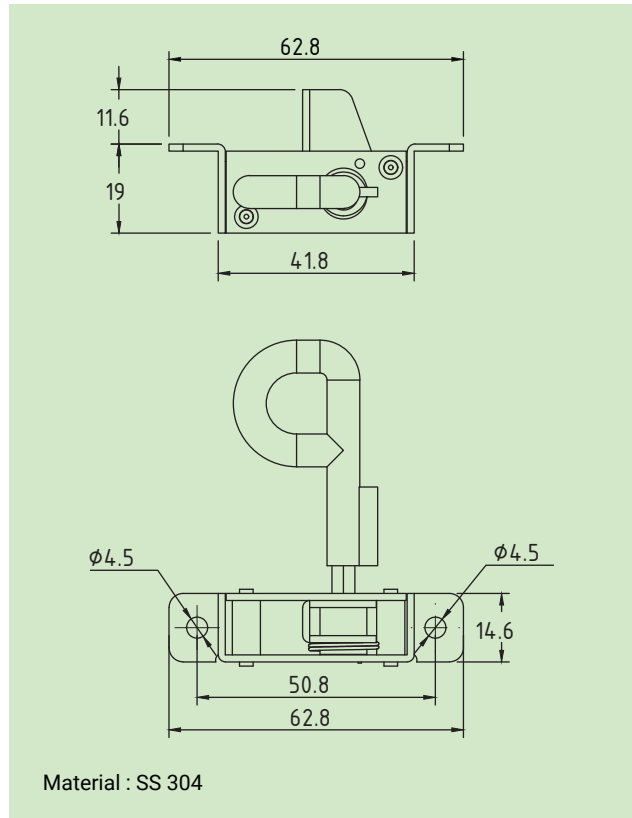
### TECHNICAL FEATURES

- Applicable for aluminium casement frames with 15/18 mm groove on sash profile (please see the sketch).
- To be used with suitable for 15/18 mm groove connection rods (aluminium extruded or polyamide) along with adjustable eccentric locking pins AC-04 and suitable for frame strikers, depends on the frame profile design.
- Recommended for perimeter multi-locking application of the different types of the aluminium casement openings, like:
  - Inward and outward operable side hung windows;
  - Top and bottom hung windows;
  - Pivot windows;
  - Tilt and turn windows;
  - Tilt and slide windows.

Packaging: 100 pcs/box

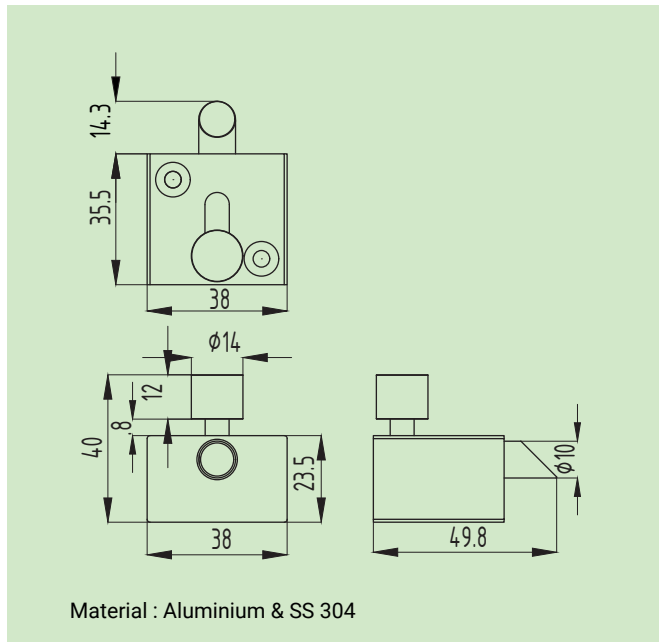
Locking Solutions & Accessories >> Latch Locks

KLO-01 | Latch Lock



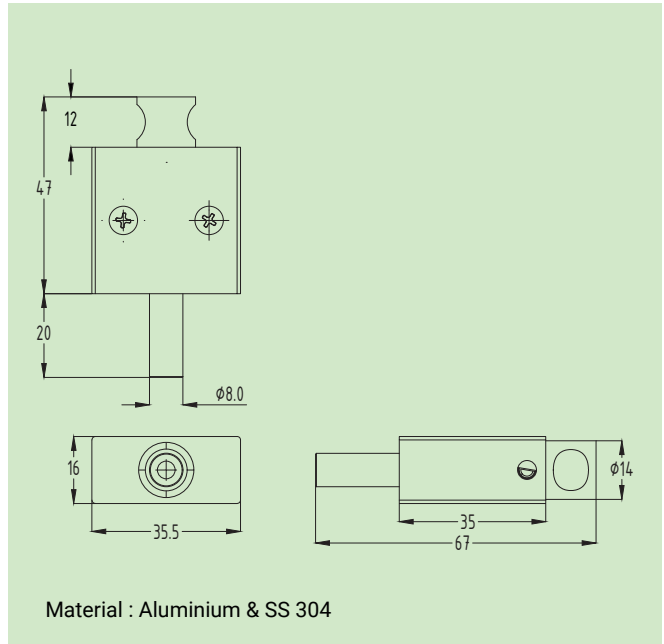
Packaging: 200 pcs/box

KLO-02-A | Latch Lock



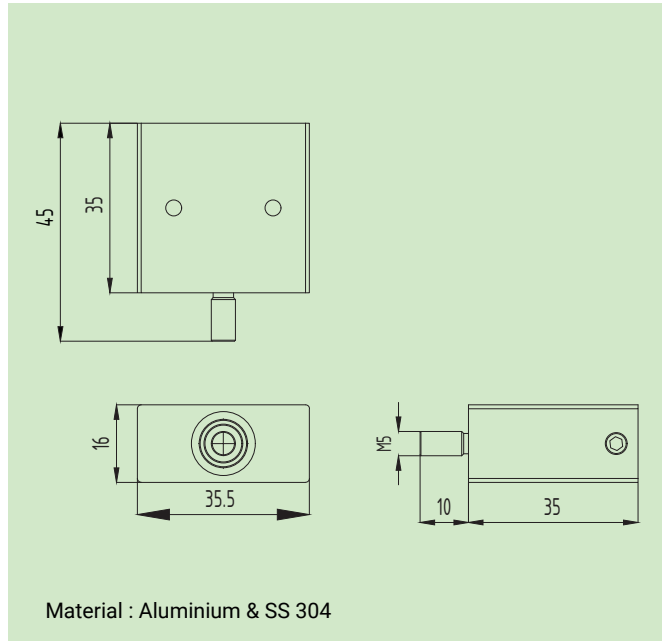
Packaging: 100 pcs/box

KLO-02-B1 | Latch Lock



Packaging: 100 pcs/box

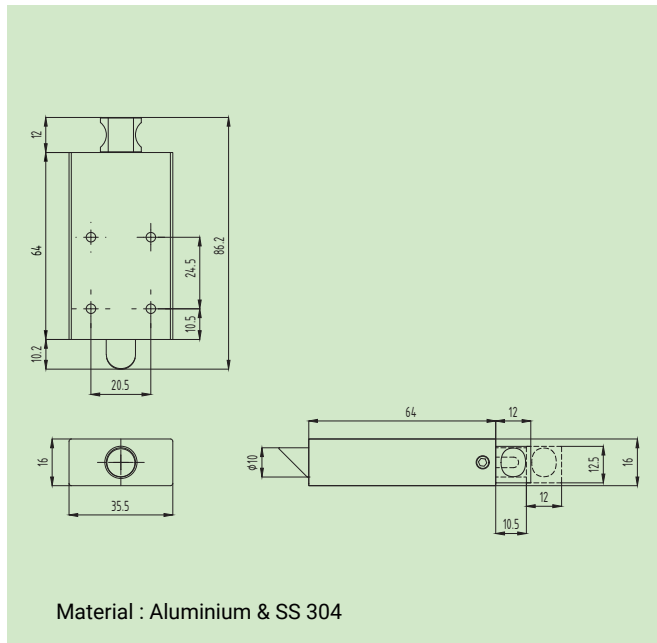
KLO-02-B2 | Latch Lock



Packaging: 100 pcs/box

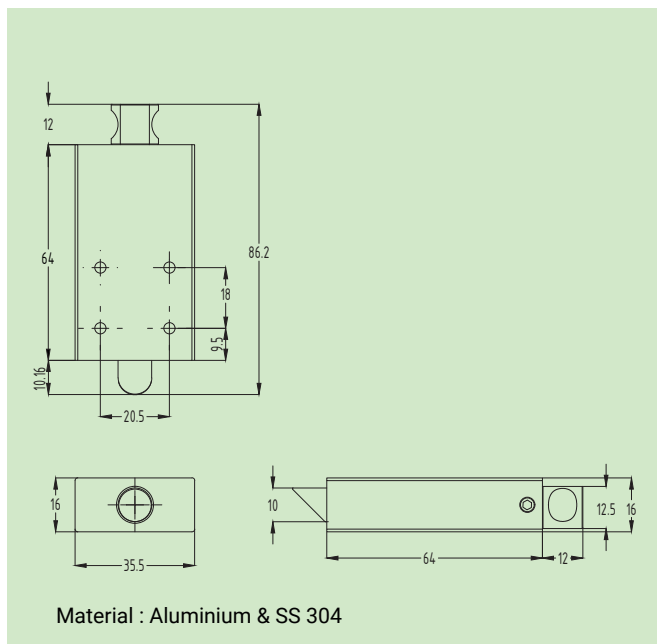
## Locking Solution & Accessories >> Latch Locks

### KLO-02-C | Latch Lock



Packaging: 100 pcs/box

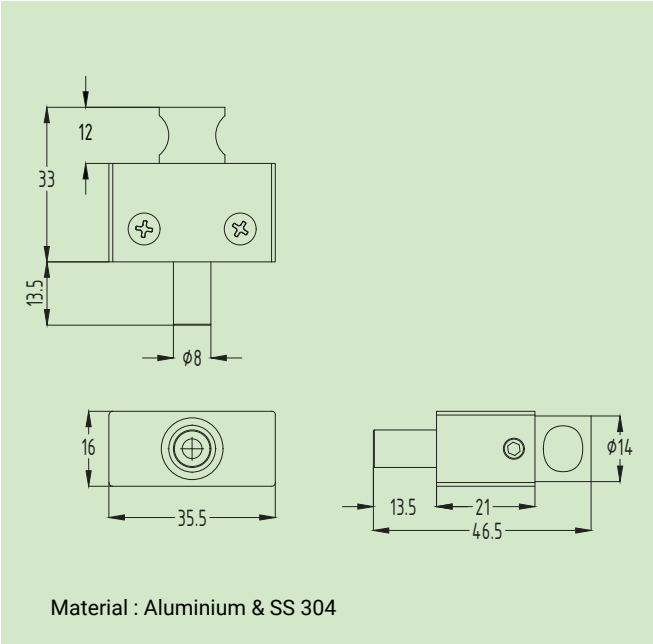
### KLO-02-D | Latch Lock



Packaging: 100 pcs/box

Packaging: 20 pcs/box

KLO-02-E I Latch Lock



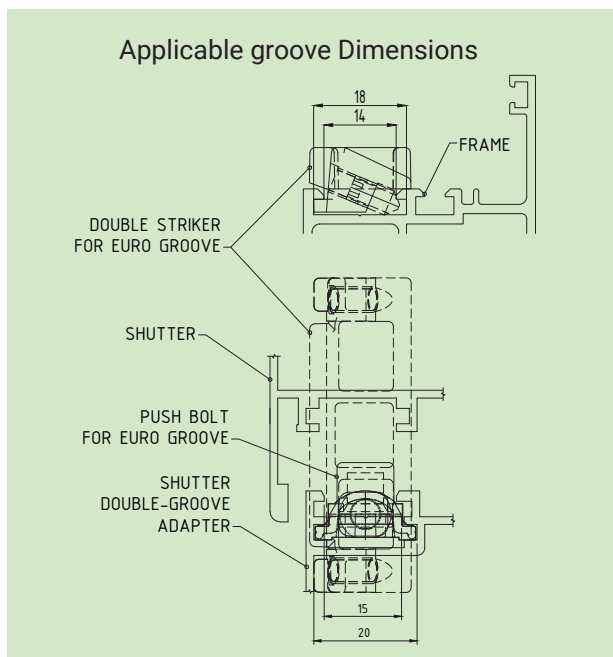
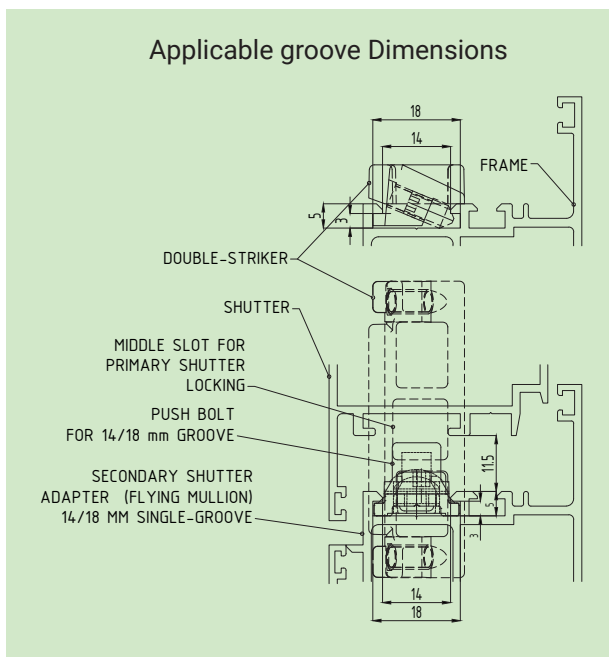
Packaging: 100 pcs/box

KLO-03/04 | Secondary Shootbolt Locks

KLO-03  
(For 14/18 Shutter Groove)

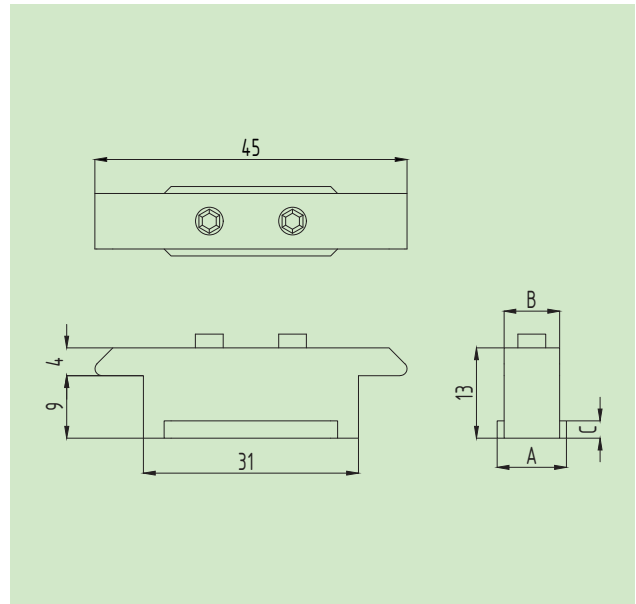


KLO-04  
(For 15/20 Shutter Groove)



Packaging: 100 pcs/box

AC-01 | Keeper



**FUNCTION**

Die-cast ZAMAK keeper to be used with suitable sliding frames as a frame locking part, fixed inside the frame groove by the meaning of two grub screws.

**FINISH**

Black electroplated

**PARTS WITH MATERIAL SPECIFICATION**

ZAMAK Body  
Carbon steel screws  
Hex socket set screws with cup point M4x12  
DIN914 -2 nos.

**TECHNICAL FEATURES**

- Applicable for suitable aluminium sliding frames with concerned groove on frame profile.
- Equipped with two M4x12 DIN914 hex socket set screws with cone point for firm fixation inside the frame profile groove.
- To be used with "hook" type nibs of the sliding embedded handles - as a single point locking, and AC-02 slider with AC-03-V1 nib to maintain multi-locking system.
- Recommended for single point locking and multi-locking applications of the aluminium sliding doors and windows with suitable frame groove.

Item Code	Size (mm)		
	A	B	C
AC-01	10.0	8.0	2.5
AC-01-V1	6.8	3.8	5.0
AC-01-V2	9.3	5.9	2.5
AC-01-V3	7.2	5.9	2.5
AC-01-V4	8.6	5.6	2.5

Packaging: 250 pcs/box

AC-02 / AC-03-V1 | Sliding Nib Holder + Nib



**FUNCTION**

AC-02 die-cast ZAMAK sliding nib holder along with AC-03-V1 stainless steel nib to be used with suitable aluminium sliding frames with 15/20 mm groove on the sash profile to maintain multi-locking facilities.

**FINISH**

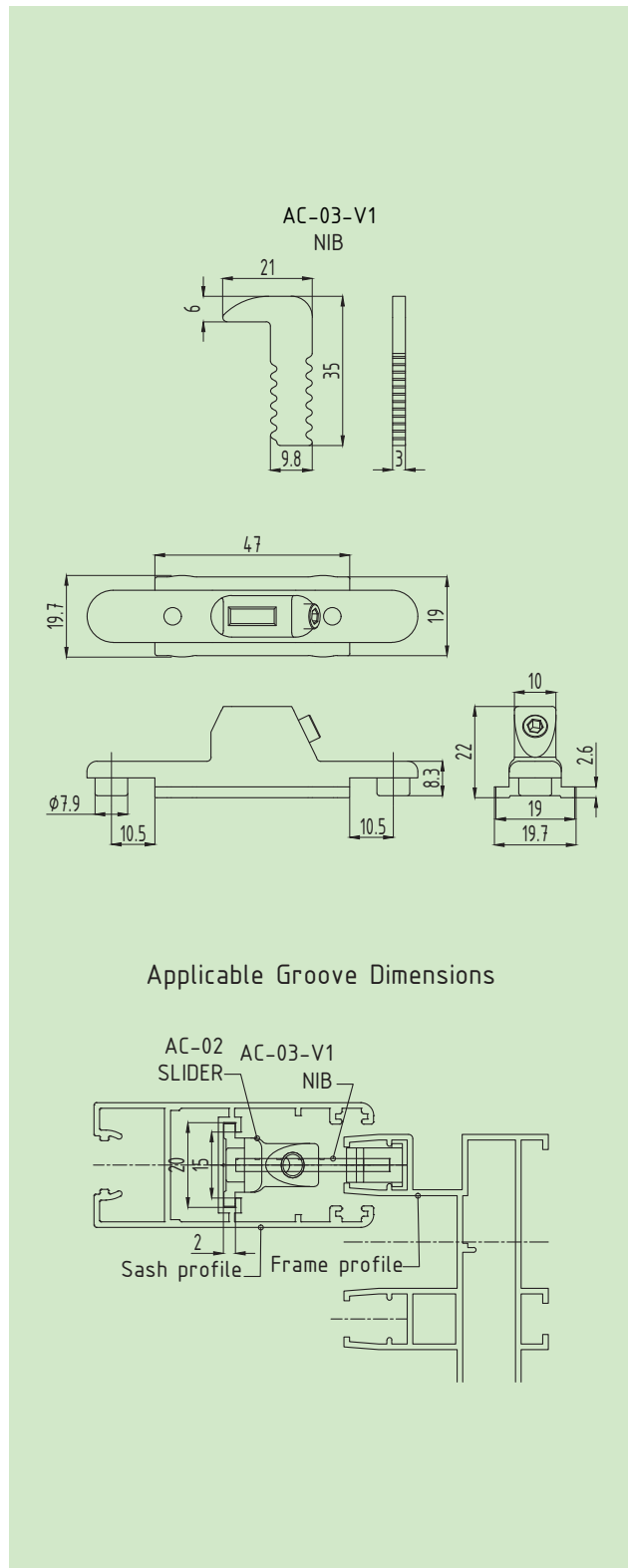
Black electroplated

**MATERIAL SPECIFICATION**

ZAMAK body  
 Stainless steel nib and Carbon steel screw  
 Hex socket set screws with cup point M6x10  
 DIN914 1 nos.  
 Stainless Steel 304, AC-03-V1 nib-1 nos.

**TECHNICAL FEATURES**

- Applicable for suitable aluminium sliding frames with concerned 15/20 mm groove on sash profile. AC-02 sliding nib holder equipped with one M6x10 DIN914 hex socket set screws with cone point for AC-03-V1 nib adjustment and fixation.
- To be used with AC-01 keepers, or other suitable for sliding frame keepers.
- Recommended for multi-locking applications of the aluminium sliding doors and windows with 15/20 mm groove on sash profile.



Packaging: 250 pcs/box

## AC-04 | Eccentric Locking Pin



### FUNCTION

Eccentric adjustable locking pin to be applied directly to suitable for aluminium profile connection rod. Used as locking element with facility to adjust pressure to sealing gaskets by simple rotating and screw fixing.

### FINISH

Black Electroplated

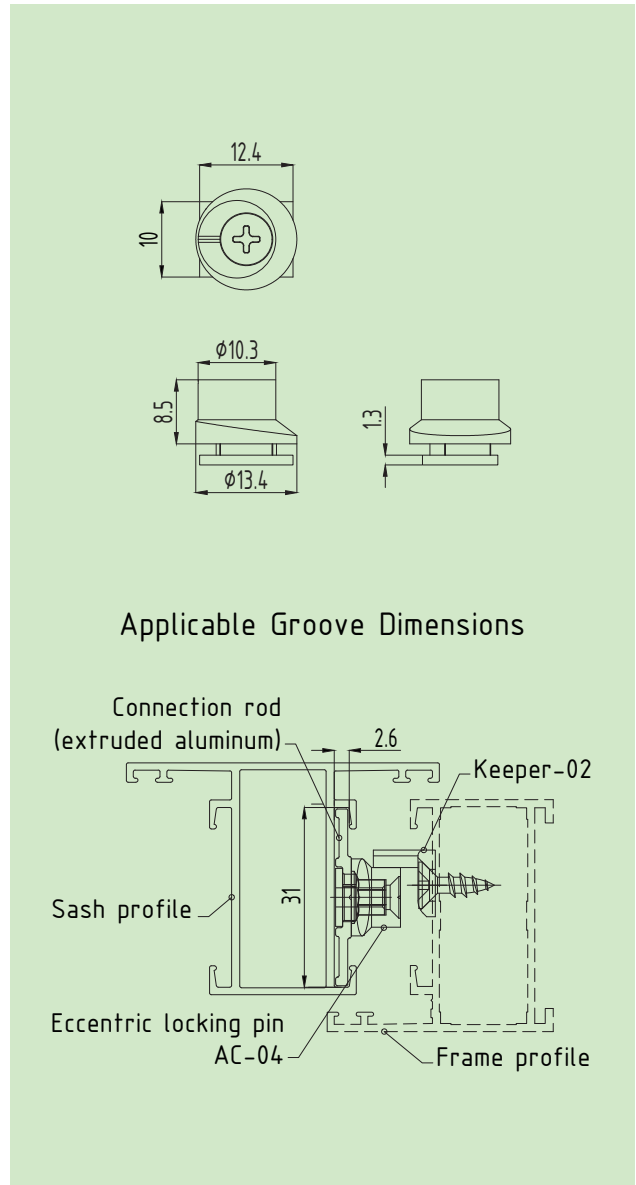
### MATERIAL SPECIFICATION

ZAMAK base and pawl;  
Stainless steel screw;  
Countersunk head screw M4x10 DIN965 A4-1 nos.

### TECHNICAL FEATURES

- Applicable for casement aluminium frames with connection rod grooves on sash profiles.
- Contents die-cast ZAMAK base with hex pin and eccentric pawl, fixed together by M4x10 DIN965 A4 countersunk head screw.
- Fixation on the connection rods processed by providing Ø8 mm holes in concerned positions on the connection rods.
- Designed to provide adjustment of pressure on sealing gaskets by simple rotation of the eccentric pawl around hex pin on the base to achieve concerned result.

Packaging: 500 pcs/box



- To be used with suitable for casement frame keepers:
  - KESPG-CS-KPR-085; KESPG-CS-KPR-02; KESPG-CSKPR-03;
  - AC-05; KESPG-CS-KPR-09 and KESPG-CS-KPR-14
- Recommended for multi-locking applications of the different types of the aluminium casement windows and doors, such as:
  - Side hung inward and outward operable; Top and bottom hung;
  - Tilt and turn; Tilt and slide; Parallel operable.

## AC-05 Keeper



### FUNCTION

Die-cast ZAMAK keeper to be fixed on the suitable aluminium frame profiles to maintain a locking point along with AC-04 eccentric locking pins.

### FINISH

Black Electroplated

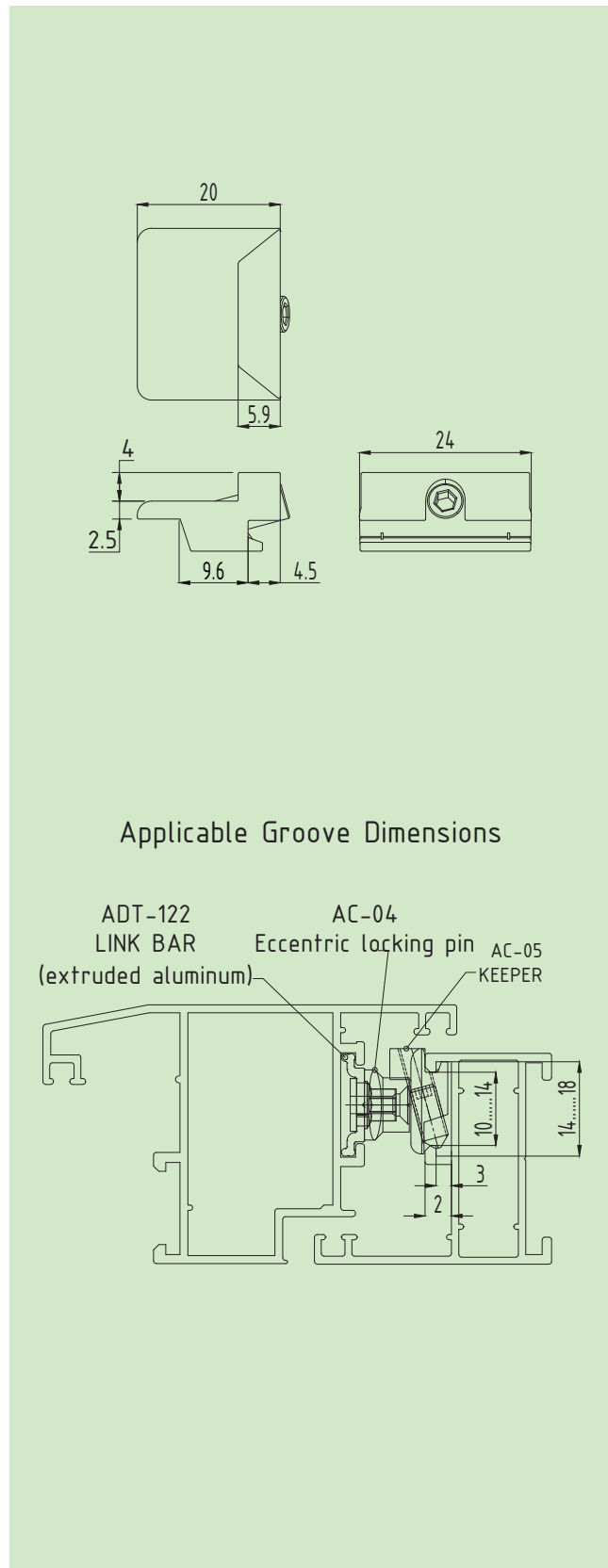
### MATERIAL SPECIFICATION

ZAMAK body;  
Stainless steel screw;  
Hex socket set screw M5x12 DIN914 A4-1 nos.

### TECHNICAL FEATURES

- Applicable for aluminium casement frames with 10...14 mm frame groove.
- Equipped with one M5x12 DIN914 A4 hex socket set screw with cone point for frame groove fixation.
- Tapered shoulder provides smooth locking operation for both RH and LH locking pin positions.
- To be used with suitable locking devices equipped with AC-04 locking pins.
- Recommended for multi-locking applications of the different types of the aluminium casement openings, like:
  - Inward and outward operable side hung windows and doors;
  - Top and bottom hung windows;
  - Tilt and turn windows;
  - Tilt and slide windows;
  - Parallel openings.

Packaging: 500 pcs/box



AC-08 I Connection Block for Outward Opening Window



**FUNCTION**

Connection block fits inside aluminium profile and transfers the cremone bolt cursors motion to connection rods to control locking operation.

**FINISH**

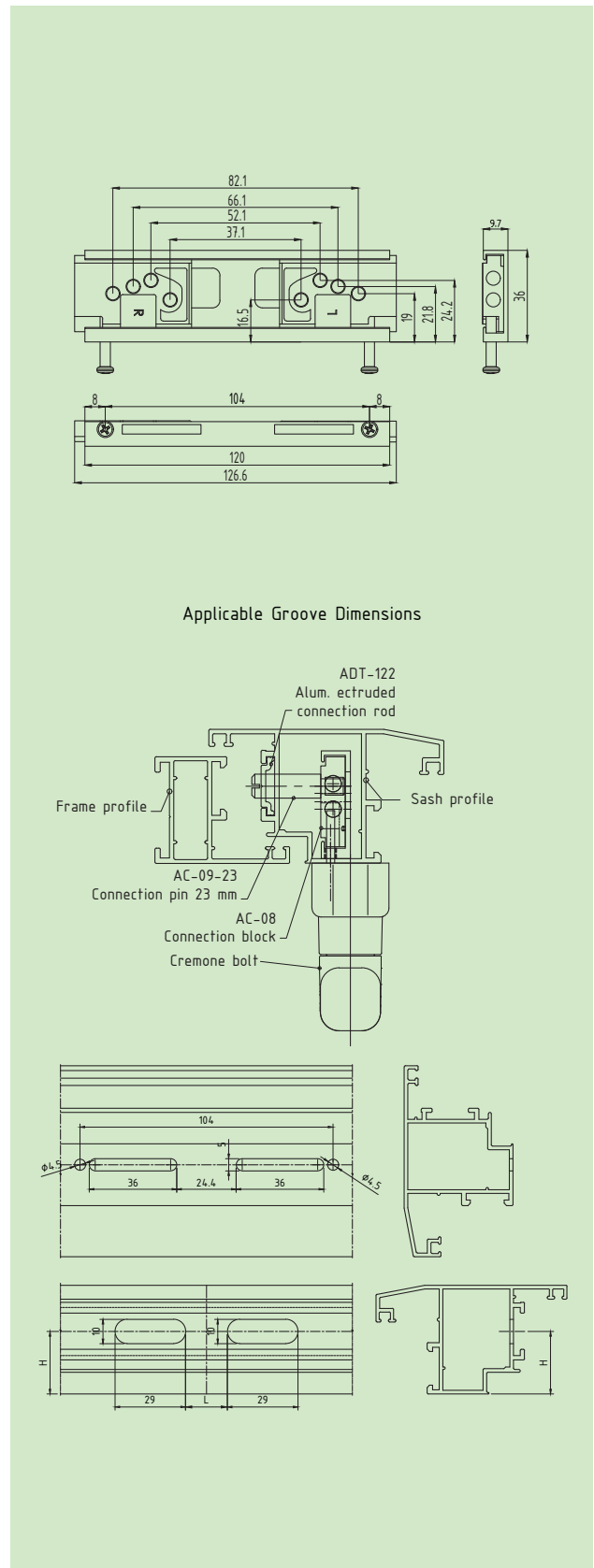
Natural

**MATERIAL SPECIFICATION**

Polyamide Sliders;  
Aluminium extruded Body;  
Carbon steel screws;  
Pan head screws M4x20 DIN7985-2 nos.

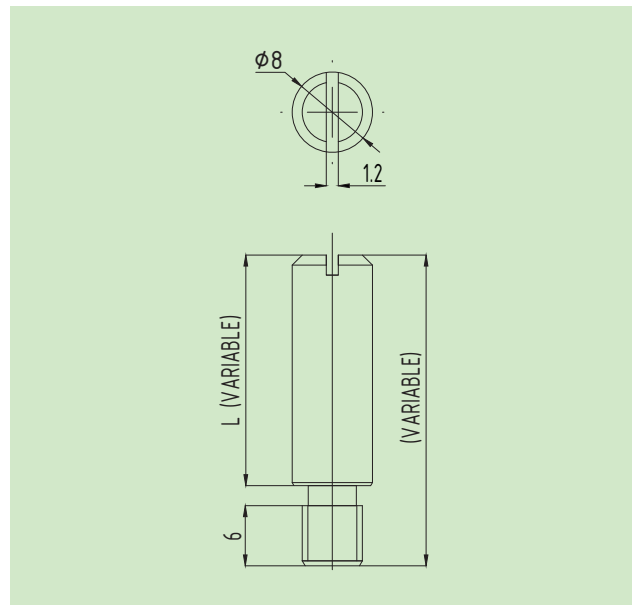
**TECHNICAL FEATURES**

- Connection block contains two plastic sliders moving inside aluminium extruded body.
- Plastic sliders and aluminium extruded body have a slots on the front surface to receive cremone cursors movement.
- Plastic sliders also have several holes on different distances from the front surface for the connection pins AC-09 to connect with connection rods located inside sash groove.
- Two threaded holes M4 located on the front surface of the aluminium extruded body to fix it with cremone bolt by two M4x20 pan head screws.
- Connection pins AC-09 length depends on aluminium sash profile design and supplied separately.



Packaging: 250 pcs/box

AC-09 | Connection Pin



**FUNCTION**

Carbon steel connection pin connects AC-08 plastic connection blocks with connection rod to establish control of cremone bolt towards to locking devices.

**FINISH**

Electroplated

**MATERIAL SPECIFICATION**

Carbon steel

**TECHNICAL FEATURES**

- Connection pin establishes connection between AC-08 connection block and connection rods.
- Due to different sash profiles designs, there are available lengths:
  - AC-09-11 : 11 mm;
  - AC-09-16 : 16 mm;
  - AC-09-23 : 23 mm;
  - AC-09-30 : 30 mm.
- Recommended for multi-locking applications of the outward operable aluminium casement doors and windows with suitable sash groove for connection rods.

Item Code	Length (mm)
AC-09-11	11.0
AC-09-16	6.0
AC-09-23	23.0
AC-09-30	30.0

Packaging: 500 pcs/box

## AC-10 I Striker



### FUNCTION

Die-cast ZAMAK keeper to be fixed on the suitable aluminium frame profiles to maintain a locking point along with AC-04 eccentric locking pins.

### FINISH

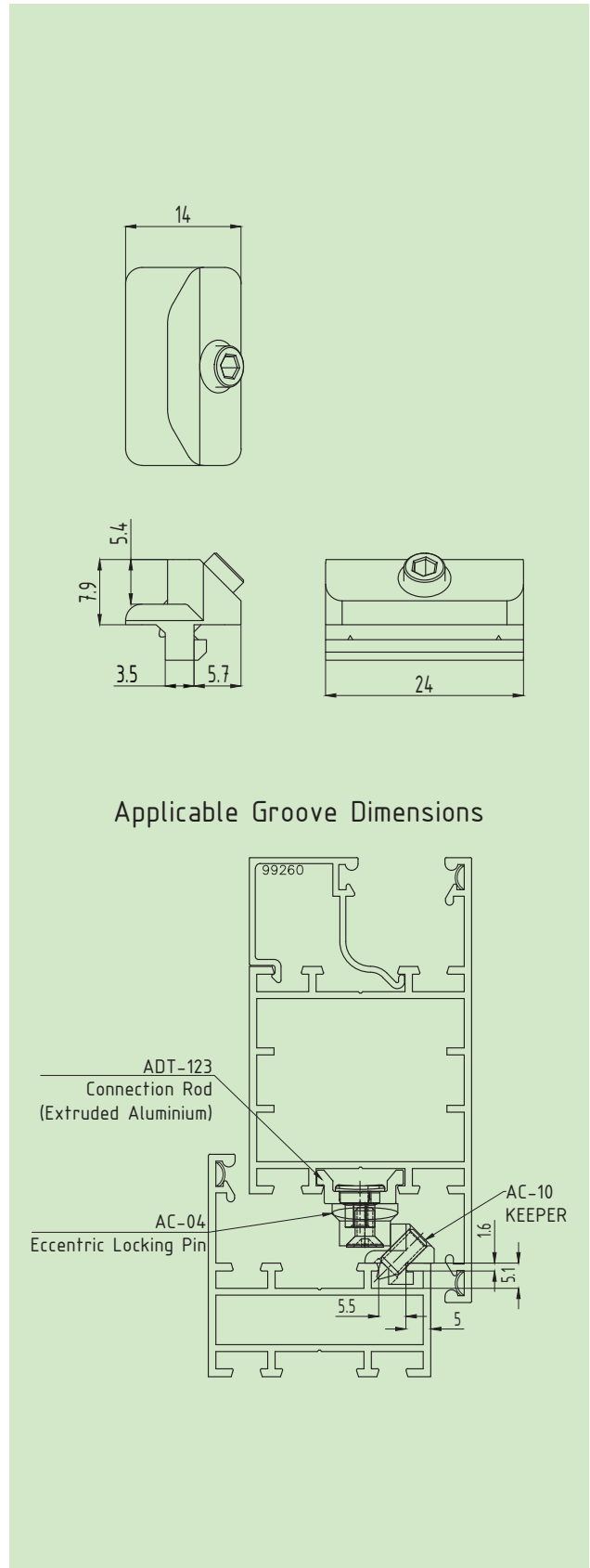
Black Electroplated

### MATERIAL SPECIFICATION

ZAMAK body;  
Stainless steel screw;  
Hex socket set screw M5x10 DIN914 A4-1 nos.

### TECHNICAL FEATURES

- Applicable for aluminium casement frames with 15/18 mm frame groove.
- Equipped with one M5x10 DIN914 A4 hex socket set screw with cone point for frame groove fixation.
- Tapered shoulder provides smooth locking operation for both RH and LH locking pin positions.
- To be used with suitable locking devices equipped with AC-04 locking pins.
- Recommended for multi-locking applications of the different types of the aluminium casement openings, like:
  - Inward and outward operable side hung windows and doors;
  - Top and bottom hung windows;
  - Tilt and turn windows;
  - Tilt and slide windows;
  - Parallel openings.



### Applicable Groove Dimensions

Packaging: 500 pcs/box

## AC-11 | Shoe Type Connector



### FUNCTION

Connects and transfers movement from cremone bolt to connection rod to maintain locking facility on top hung windows.

### FINISH

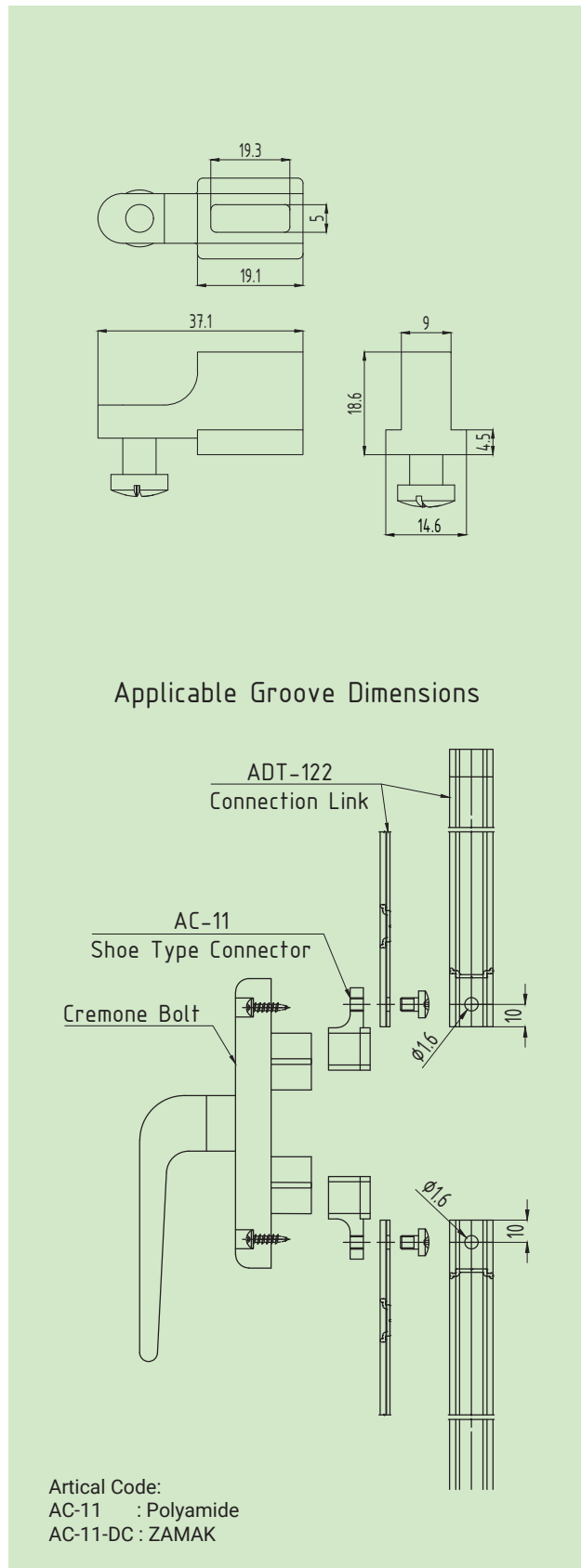
Black / Black Electroplated

### MATERIAL SPECIFICATION

Polyamide/ZAMAK; Stainless steel screws;  
Philips pan head screws M6x8 DIN7985Z A4-2 nos.

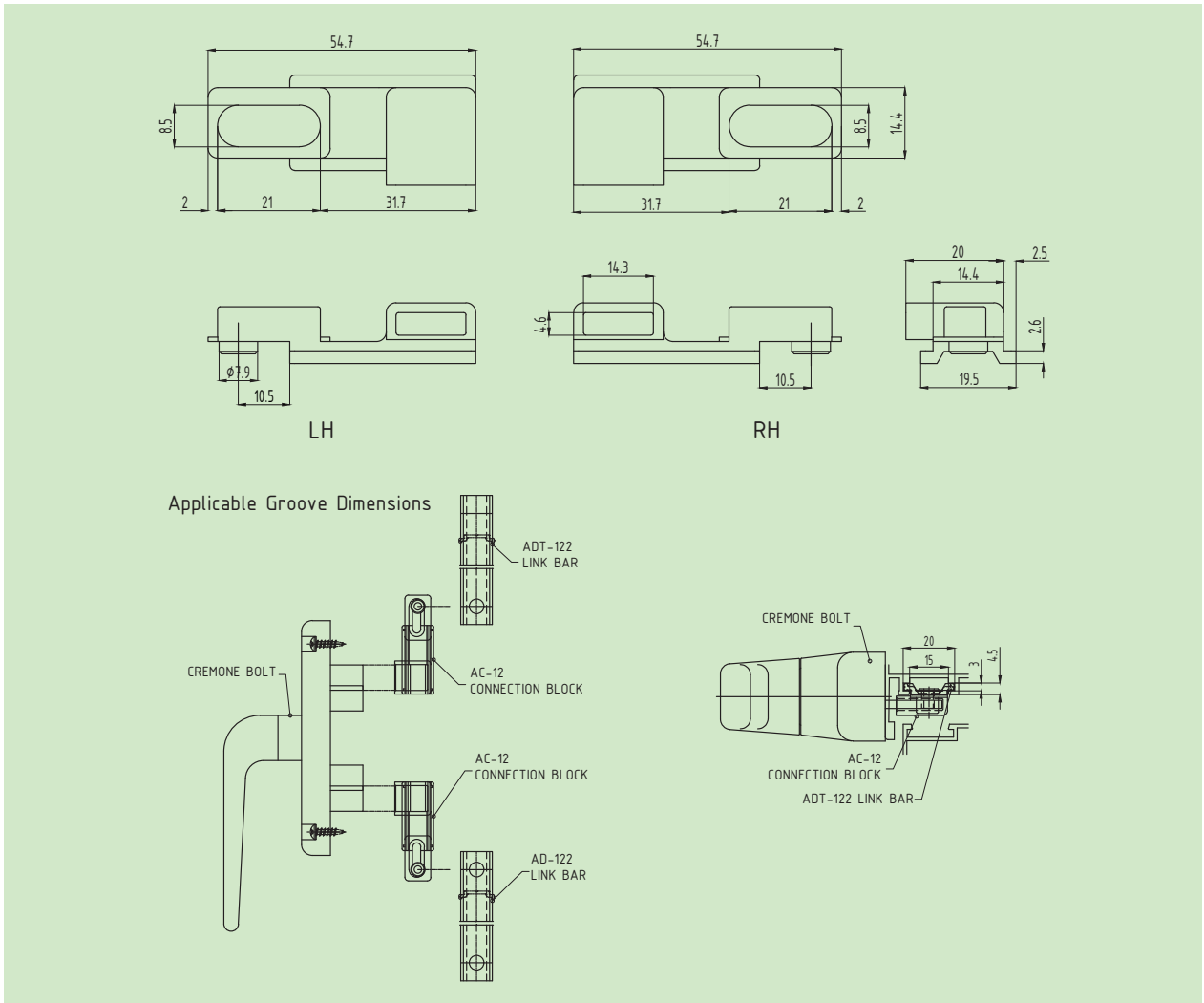
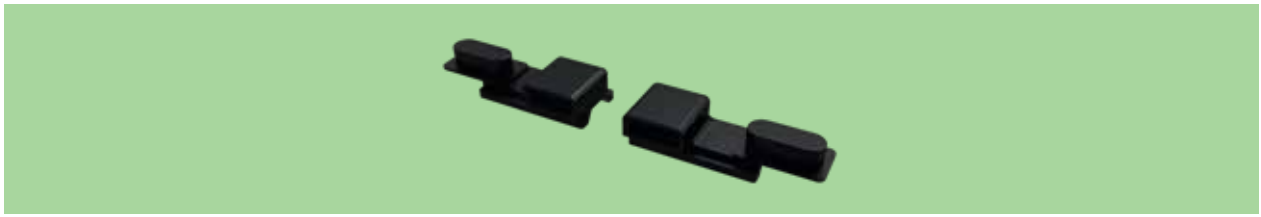
### TECHNICAL FEATURES

- Applicable for suitable aluminium casement frames with concerned 15/20 mm, or 15/18 mm, groove on sash profile.
- One pair of shoe type connectors equipped with two M6x8 DIN 7985Z A4 Philips pan head screws to connect it with aluminium (or plastic) connection rods.
- The holes  $\varnothing 6.1$  mm have to be provided on connection rods for connection.
- Machining on sash profiles, shown below, could be varied, depends on cremone bolt design.
- Recommended for top hung aluminium windows to maintain connection between cremone bolt and connection rods for multi-point locking applications.



Packaging: 500 pairs/box

AC-12I Connection Blocks for Inward Opening Window



**FUNCTION**

Connection block fits inside aluminium sash profile groove and transfers the cremone bolt cursors motion to connection rods to control locking operation.

**FINISH**

Black

**MATERIAL SPECIFICATION**

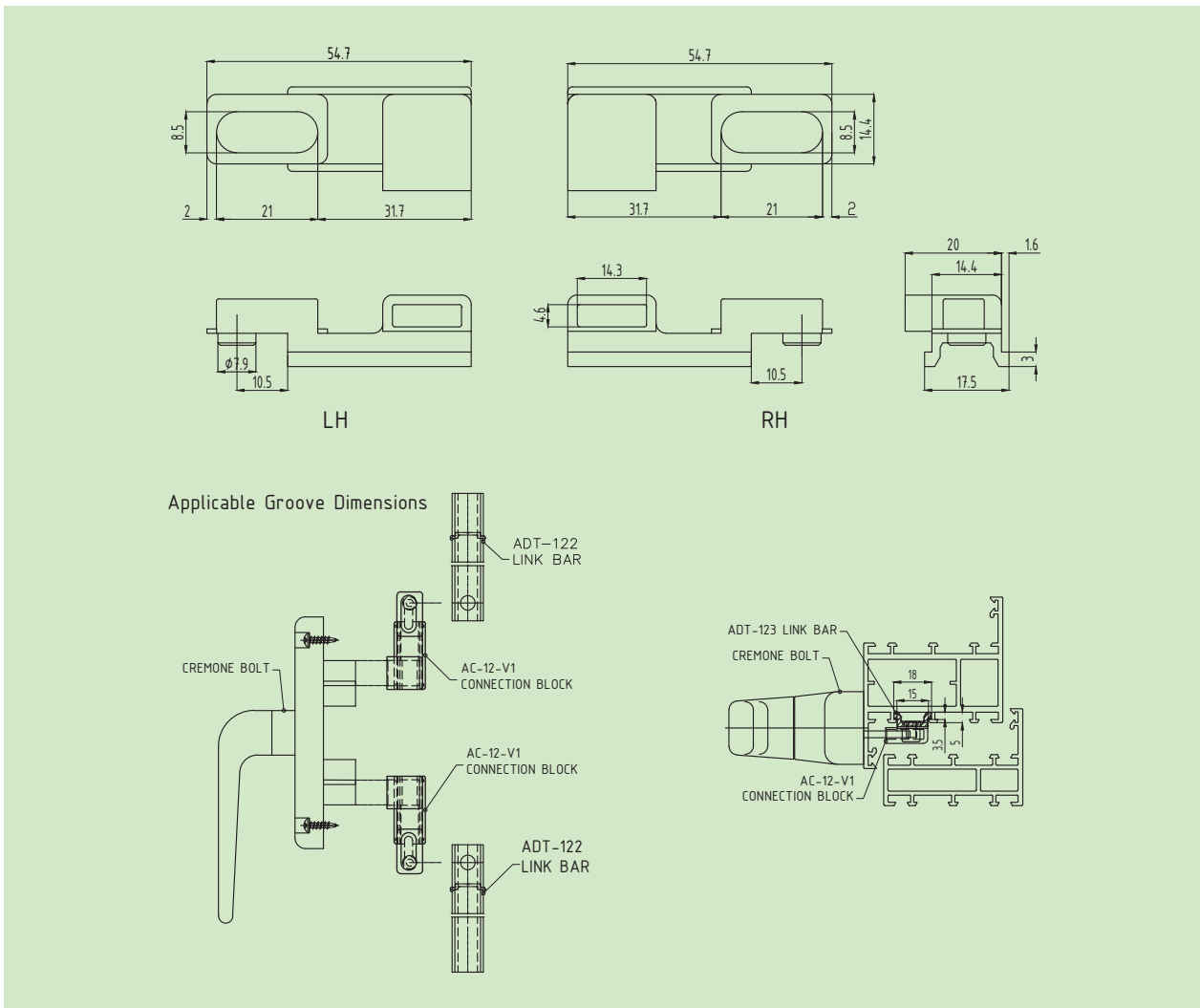
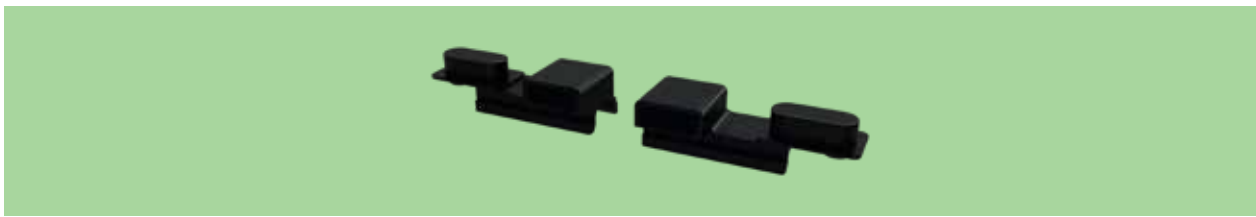
Polyamide

**TECHNICAL FEATURES**

- Connection block contains two plastic sliders moving inside aluminium sash profile groove. Suitable for 15/20mm Eurogroove aluminium profiles.
- Sliders have a slot to receive cremone bolt cursors movement and  $\varnothing 7.9$  mm pin to connect with connection rods located inside sash groove.
- Using two AC-05 keepers on the frame groove together could provide two additional intermediate locking points.

Packaging: 500 pairs/box

AC-12-V1 I Connection Blocks for Inward Opening Window



**FUNCTION**

Connection block fits inside aluminium sash profile groove and transfers the cremone bolt cursors motion to connection rods to control locking operation.

**FINISH**

Black

**MATERIAL SPECIFICATION**

Polyamide

**TECHNICAL FEATURES**

- Connection block contains two plastic sliders moving inside aluminium sash profile groove. Suitable for 15/18mm Eurogroove aluminium profiles.
- Sliders have a slot to receive cremone bolt cursors movement and  $\varnothing 7.9$  mm pin to connect with connection rods located inside sash groove.
- Using two AC-10 keepers on the frame groove together could provide two additional intermediate locking points.

Packaging: 500 pairs/box

## AC-13 I Passive Locking Kit



### FUNCTION

Adjustable passive locking kit provides additional locking points and maintains a pushing force to the gaskets to improve weather sealing performance of the windows on the hinge side.

### FINISH

Electroplated

### MATERIAL SPECIFICATION

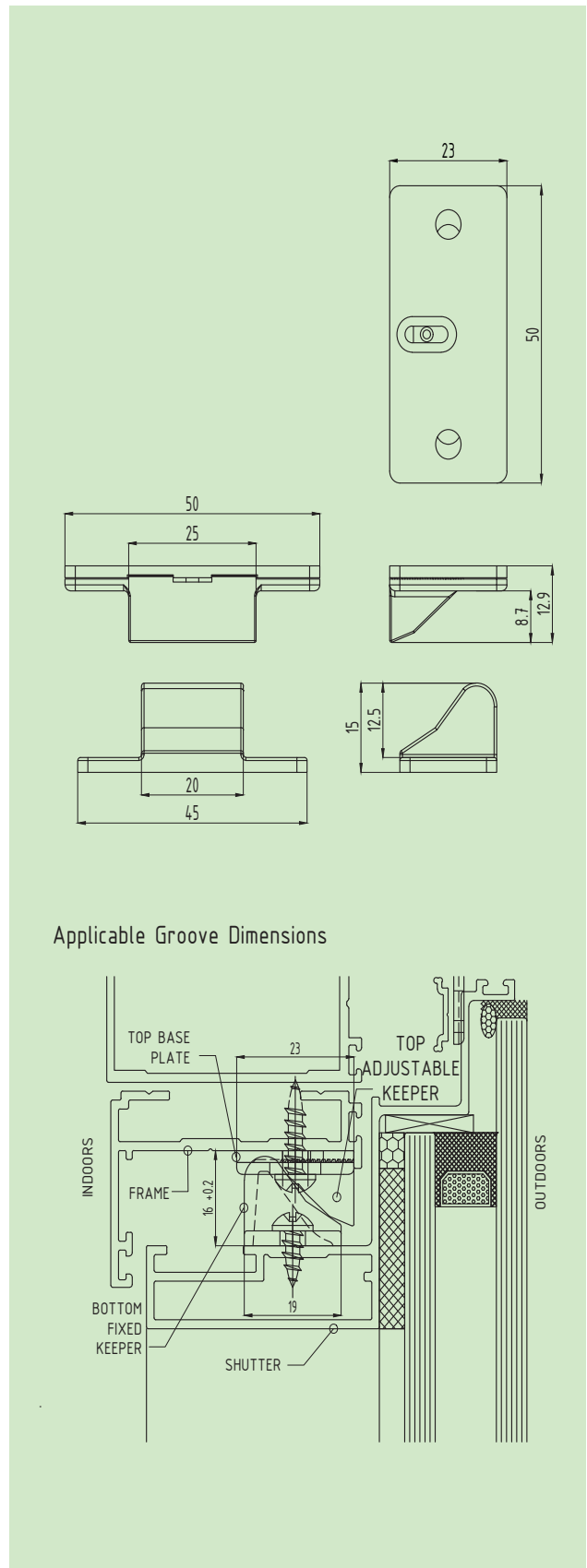
Die-cast ZAMAK;

One kit includes:

- Base plate-1 nos.
- Wedge shaped adjustable striker-1 nos.
- Sash wedge-1 nos.

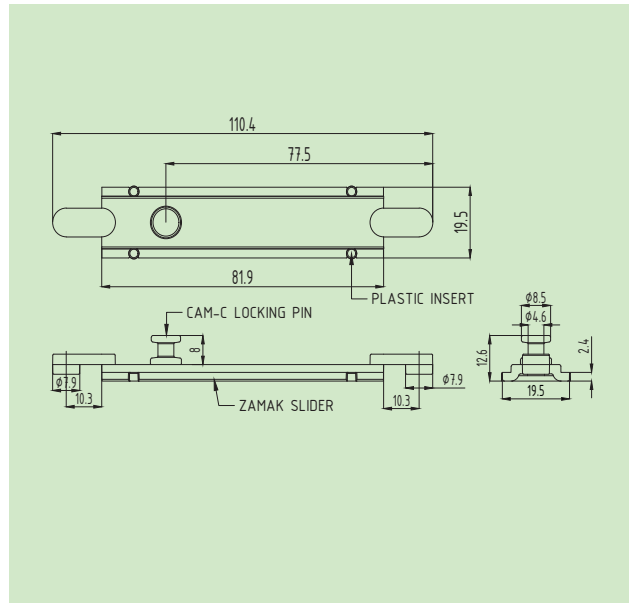
### TECHNICAL FEATURES

- Applicable for suitable groove-less aluminium frames with 16.5..17.5mm inner gap between sash and frame profiles.
- Frame part of the kit has a corrugated base plate and adjustable wedge-shaped striker with oval screw holes for adjustment. Counterpart wedge to be fixed on the sash.
- Most suitable for top hung windows where there are no possibilities to provide locking points on the top of the window.
- It is suggestible to use one kit, if the width of the top hung window exceeds 1.1 m, and additional one kit on every additional 0.5 m of width size.
- Also, could be used on side hung windows, as well as for bottom hung windows, on the hinge side, with some machining on the profiles, if it is necessary.



Packaging: 250 kits/box

### AC-15 I Locking Slider



#### FUNCTION

Locking kit contents the nib, striking plate, and if necessary, plastic adapter. All together with embedded sliding handle. It provides secure locking of the sash to the frame profile.

#### FINISH

Black Electroplated

#### MATERIAL SPECIFICATION

ZAMAK Slider-1 nos;  
Polyamide Insert-2 nos;  
CAM-1 nos.

#### TECHNICAL FEATURES

- Applicable for suitable aluminium sliding frames and embedded handles. Nibs have various lengths and different bend steps values to suit for different sliding profiles designs. Plastic adapter provides additional anti-burglar protection.

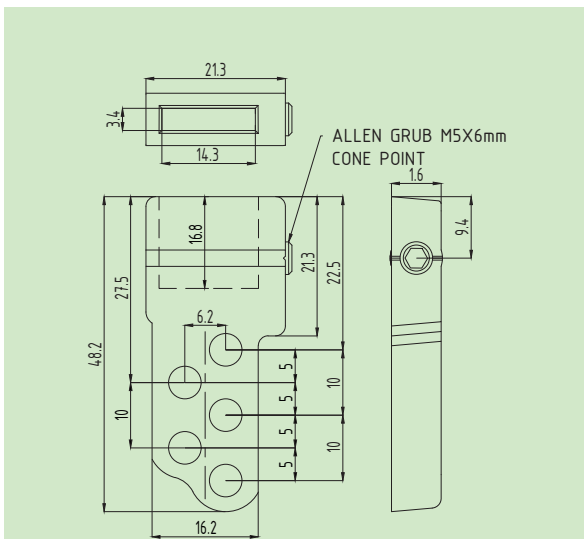
Art. Code

AC-15- X

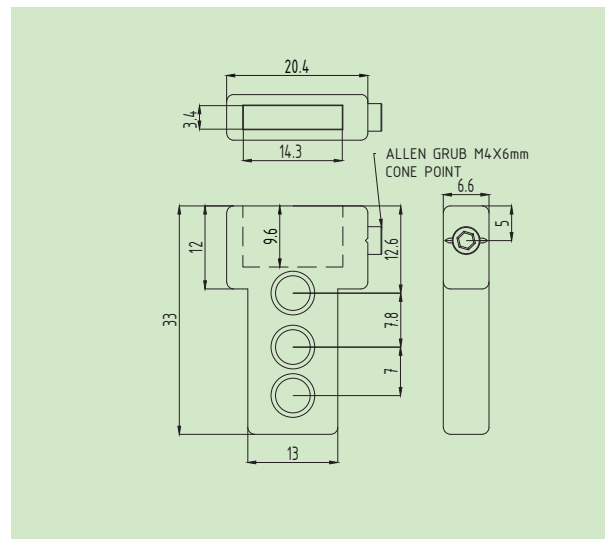
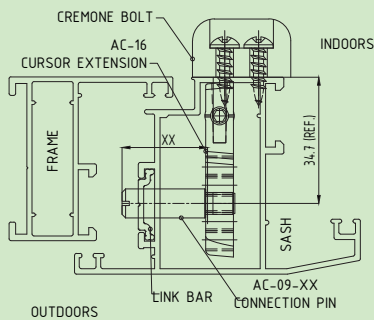
"X"- Type of Cam

Packaging: 250 kits/box

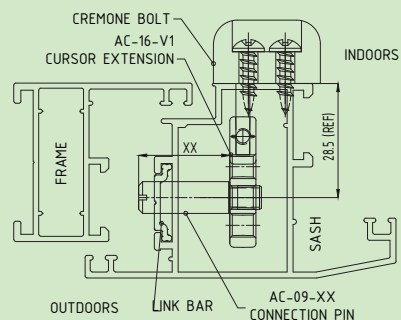
AC-16 & AC-16V1 | Cursor Extension



Applicable Groove Dimensions



Applicable Groove Dimensions



**FUNCTION**

Cursor extension connects cremone bolts with link bars when there is no direct access for connection. Used for outward openable casement windows.

**PARTS WITH MATERIAL SPECIFICATION**

ZAMAK Body-1 nos.  
Stainless steel Hex socket screw with cone point  
M5x6 DIN914 A4-1 nos.

**TECHNICAL FEATURES**

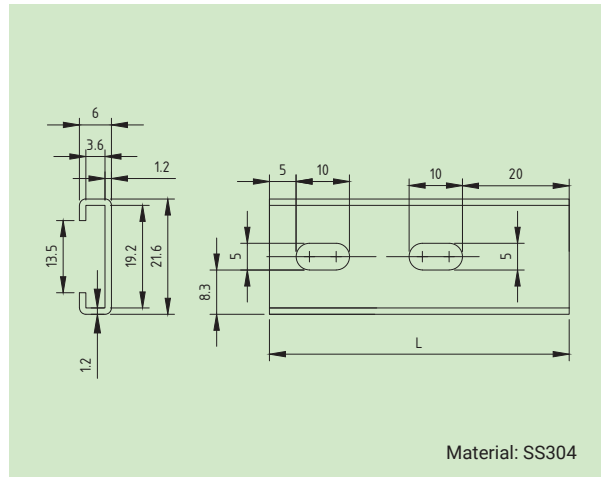
- Applicable for suitable aluminium casement frames with 15/20mm, or 15/18mm Euro groove profiles.
- To be used with AC-09-11, AC-09-16, AC-09-23 or AC-09-30 connection pins and ADT-122, ADT-123 link bars.

**FINISH**

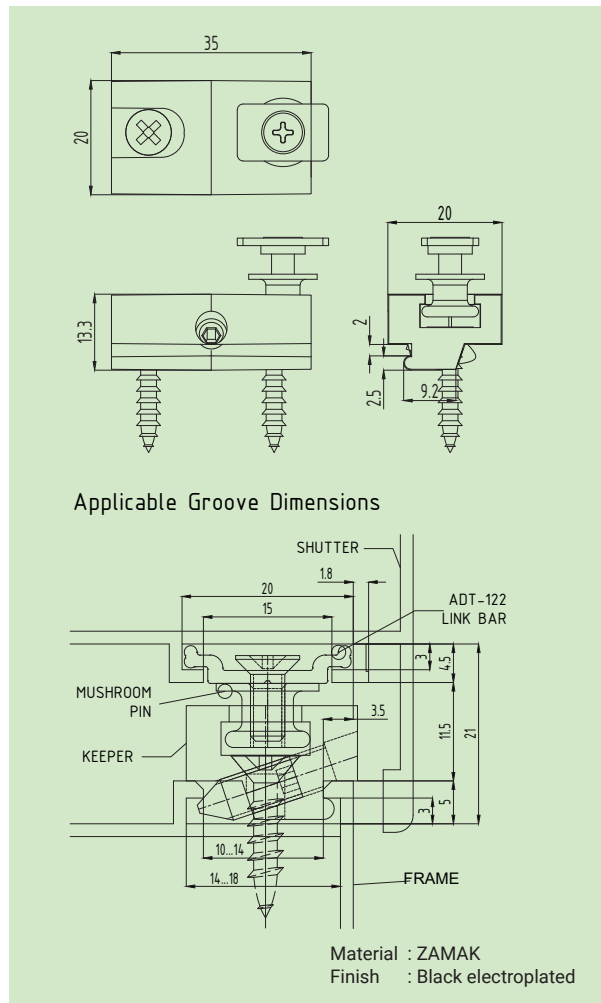
Black Electroplated

Packaging: 500 pcs/box

AC-17I C-channel

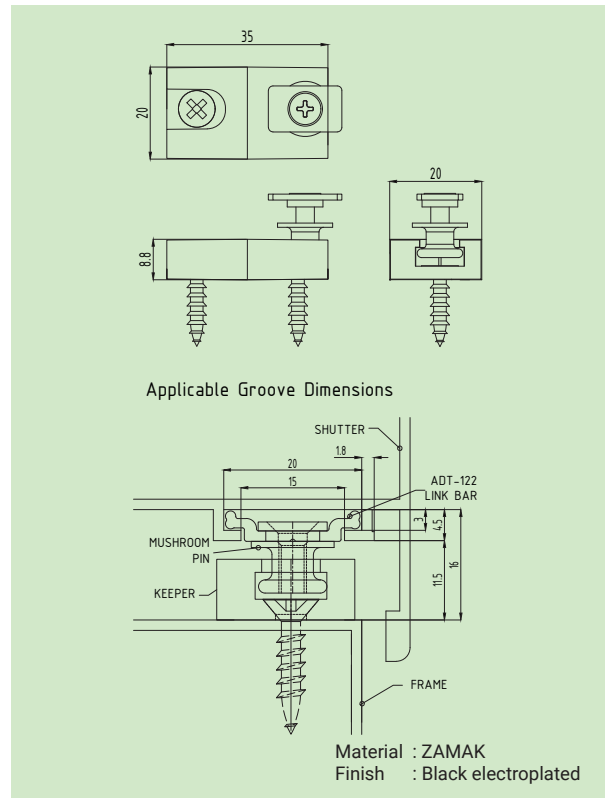


AC-19I Typhoon Locking Kit (Euro Groove)



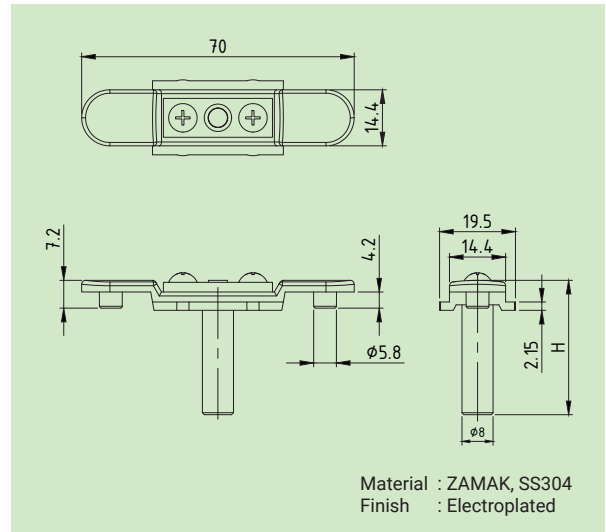
Packaging: 500 pcs/box

AC-20 I Typhoon Locking Kit



Packaging: 500 pcs/box

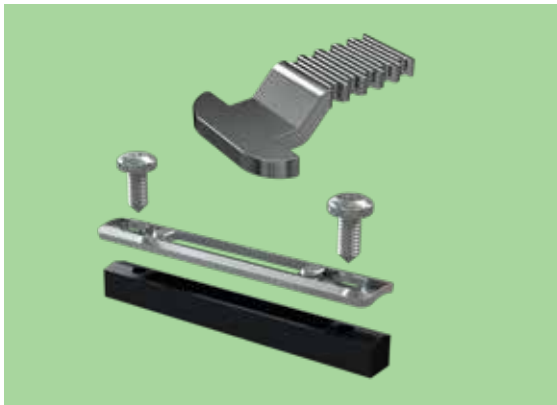
AC-24 I Rod Connector



Item Code	H,mm
AC-24-RC-14	14
AC-24-RC-34.5	34.5
AC-24-RC-60.5	60.5

Packaging: 250 pcs/box

AC-NB & AC-CP-01 | Sliding Locking Kit



**FUNCTION**

Locking kit contents the nib, striking plate, and if necessary, plastic adapter. All together with embedded sliding handle. It provides secure locking of the sash to the frame profile.

**FINISH**

Natural

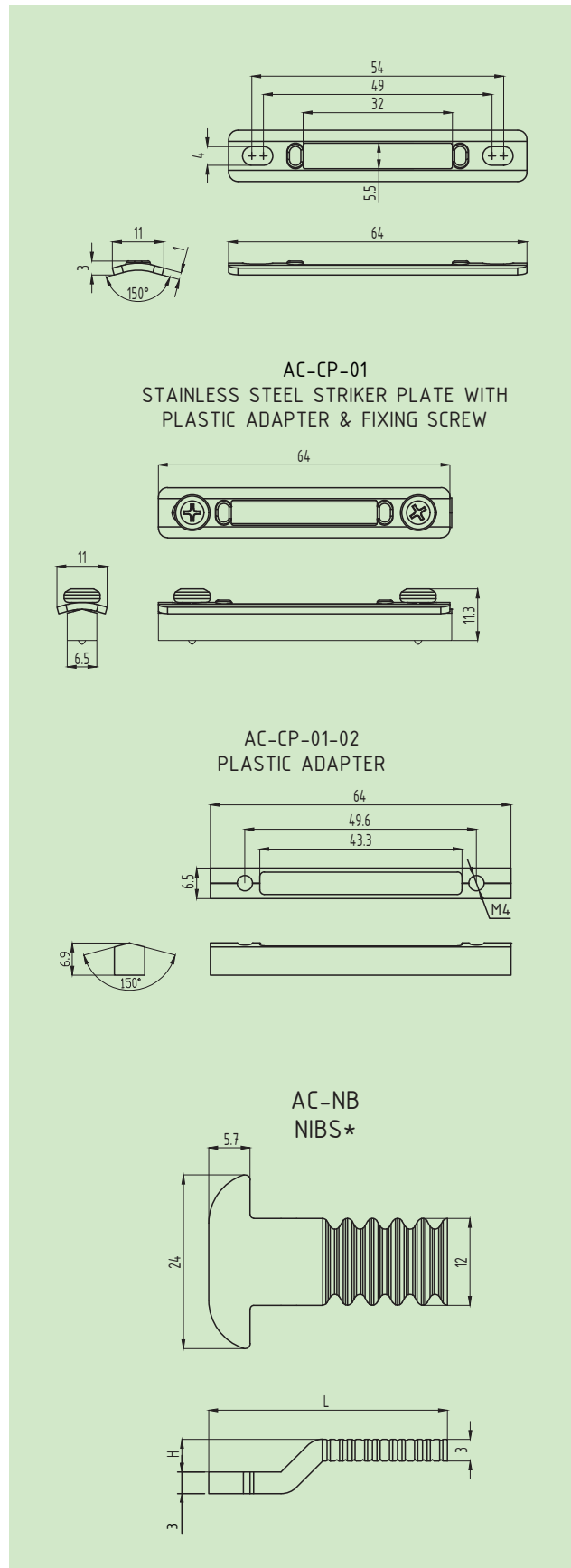
**PARTS WITH MATERIAL SPECIFICATION**

Polyamide Plastic Adapter;  
Stainless steel-304 grade Nibs and Striker Plate;  
Pan head screws M4x10 DIN7981 A4 for plastic adapters - 2 nos.

**TECHNICAL FEATURES**

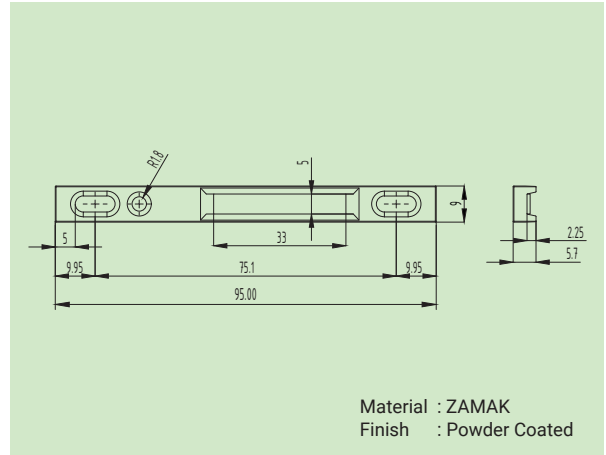
- Applicable for suitable aluminium sliding frames and embedded handles.
- Nibs have various lengths and different bend steps values to suit for different sliding profiles designs.
- Plastic adapter provides additional anti-burglar protection.

Item Code	L (mm)	H (mm)
AC-NB-01	29.5	0.0
AC-NB-02	49.0	0.0
AC-NB-03	33.0	4.5
AC-NB-04	29.0	2.0
AC-NB-05	40.5	4.5
AC-NB-06	49.0	5.5
AC-NB-07	31.0	3.0
AC-NB-08	33.0	3.0
AC-NB-09	33.0	0.0
AC-NB-10	28.5	1.0
AC-NB-11	37.5	2.0
AC-NB-12	33.0	2.0
AC-NB-13	31.0	7.5



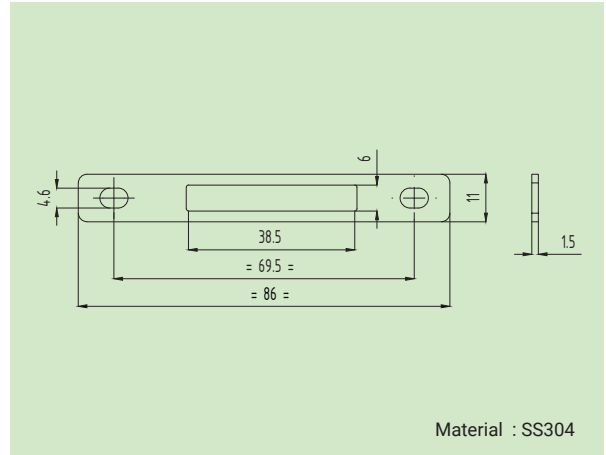
Packaging: 500 pcs/box

**KELMISC 00045**



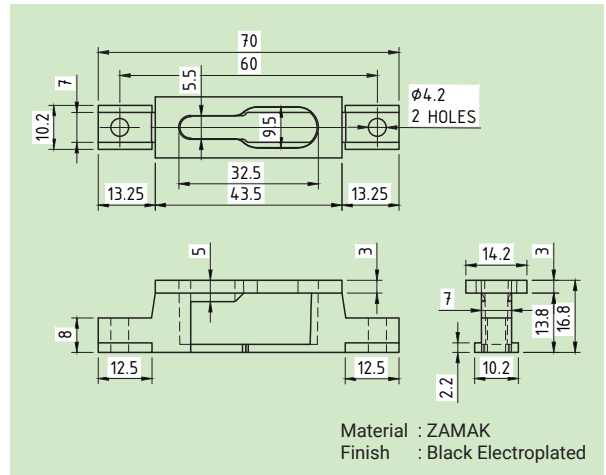
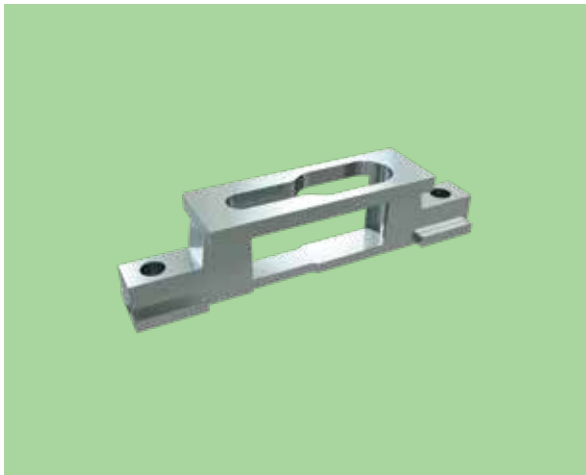
Packaging: 500 pcs/box

**KELMISC 00065 | Frame Plate**



Packaging: 500 pcs/box

**KESPG-CS-KPR-18**



Packaging: 500 pcs/box



## Aluminium Extruded Connection Rods



### FUNCTION

Aluminium extruded connection rods are used for aluminium casement and sliding systems to provide connections between cremone bolts, or window locking mechanisms, corner transmissions and other locking devices to maintain multi-points and perimeter locking facilities, using groove provisions in aluminium profiles.

### FINISH

Black anodized, Mill finish

### MATERIAL SPECIFICATION

Aluminium alloy AA6063, T6.

### TECHNICAL FEATURES

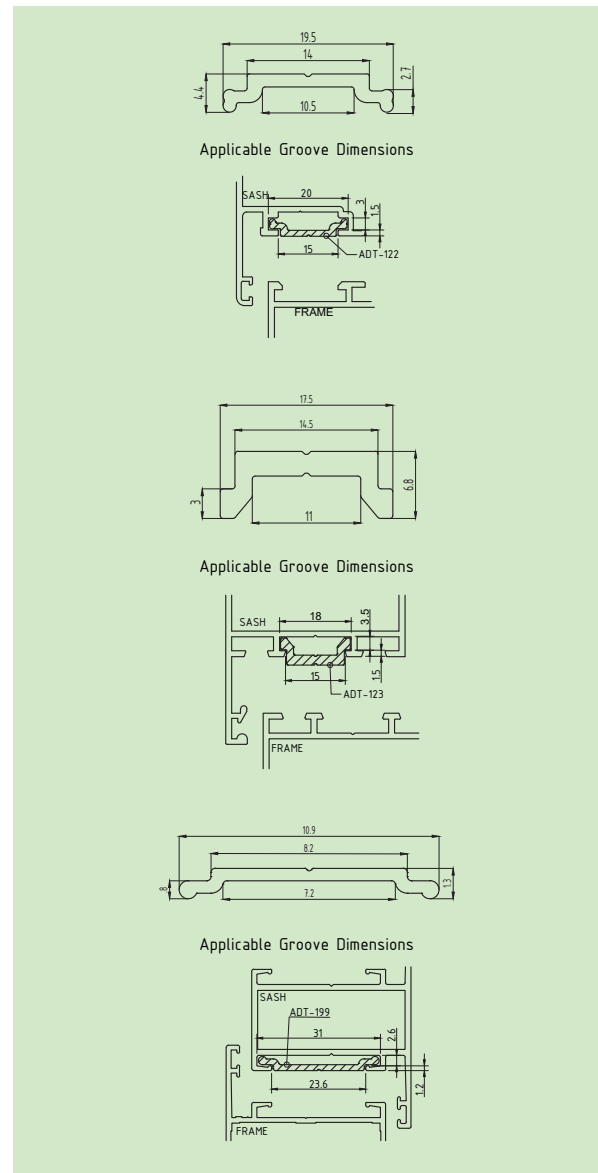
Applicable for aluminium casement, or sliding, frames with concerned groove on sash profile (please see the sketch).

To be used with:

- Cremone bolts;

Unit length: 3.66 mtrs.

Packaging: 50 pcs/box



- AC-08 connection block and AC-09 connection pins;
  - DLK-CW-02 window locking mechanism;
  - AC-02 sliding nib holder;
  - AC-04 adjustable eccentric locking pins;
  - KCD-02, or KCD-03 corner transmissions;
  - AC-11, AC-12 and AC-15 connection blocks.
- Recommended for perimeter multi-locking application of the different types of the aluminium casement and sliding openings, like:
- Inward and outward operable side hung windows and doors;
  - Top and bottom hung windows;
  - Pivot windows;
  - Tilt and turn windows and doors;
  - Tilt and slide windows;
  - Sliding doors and windows.