

# BALEXCO LUXURY SYSTEM



ب ل ك س ك  
BALEXCO

*Aluminium systems  
for your lifetime*

Technical  
Information ▶▶▶▶



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## BALEXCO Aluminium systems for your lifetime

Bahrain Aluminium Extrusion Company, Balexco, continues to remain as an outstanding company in the manufacturing of Aluminium extrusions since the year 1977 when they came into commercial production. Currently the production has crossed a record 24,000 MT annually.

It's a matter of pride for Balexco that the clients of the company are aware that, Balexco as in the past is committed to manufacture high quality products, which are a result of its investment in modern technologies and the constant up-grading of its Human resources in their competence and expertise in administration and technical skills.

Herewith, Balexco presents to you a new system which has been one of the most successful Window & Door systems in the Gulf, viz., "**Balexco Luxury System**" which gives you a range of profiles to meet the complex requirement of different building.

The "**Balexco Luxury system**" is a combination of new hardware and new concept. "**Balexco Luxury System**" is dedicated to convert limitations of existing sliding systems to provide high performance solutions. "**Balexco Luxury System**" is designed to be safe with excellent noise & heat insulation, wind and rain resistance like casement as well as inherit obvious advantages of sliding system like space saving, large-size glass for sunlight, etc.

This system is wholly owned by Balexco and is registered as an intellectual industrial right for the company, besides Balexco 45, Balexco 100 & Balexco 60.

It is with great honor that I present this "**Balexco Luxury System**" to all clients with assurance of its high capability and availability of its accessories. Balexco shall be pleased to extend all the technical support and I assure all customers that Balexco will make extra effort to ensure the best of our services are rendered along with the intense support so that every single customer is satisfied with Balexco & its products.



## نظام ألومنيوم لمدى الحياة

إستمرت شركة البحرين لسحب الألومنيوم (بلكسكو) منذ تدشينها لعملياتها في عام ١٩٧٧ وحتى الآن شركة متميزة في مجال صناعة الألومنيوم المسحوب. وهي تنتج الآن أكثر من ٢٤٠٠٠ طن سنوياً.

وإنه لمن دواعي الفخر لبلكسكو بأن المتعاملين مع الشركة يدركون بأن بلكسكو كانت ولا زالت شديدة الإلتزام بتصنيع منتجات عالية الجودة. وذلك نتيجة استثمارها في أحدث التقنيات، بالإضافة إلى إهتمامها بتطوير الموارد البشرية المدربة ذات الكفاءات الفنية والإدارية العالية.

ويسر بلكسكو أن تقدم لكم واحداً من أحدث وأنجح إبتكاراتها وتصميماتها في مجال أنظمة النوافذ والأبواب بمنطقة الخليج، وهو "**نظام بلكسكو الفاخر**" بمختلف أشكال المقاطع لتلبية كافة المتطلبات المعقدة للمباني المختلفة.

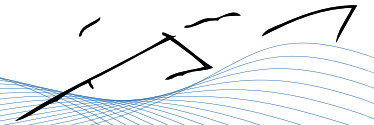
إن "**نظام بلكسكو الفاخر**" هو تجسيد لخبرة بلكسكو في الإبتكار والتصميم، وهو مثال لمزيج من المفاهيم والتقنيات للتغلب على محدودية النظام السحاب الحالي وإيجاد حلول لتحسين أداء ذلك النظام وإيجاد حلول ناجحة لتطويره. وقد صمم "**نظام بلكسكو الفاخر**" بتقنية جديدة تأخذ في الحسبان عناصر السلامة وعزل الضوضاء والحرارة ومقاومة الرياح والأمطار بحيث يجمع مزايا النظام المفصلي والنظام السحاب في آن واحد مما يوفر في المساحة ويضاعف حجم الزجاج للحصول على مزيد من الإضاءة... إلخ

وهذا النظام خاص بالشركة ومسجل باسمها في سجل الحماية الفكرية الصناعية، بالإضافة إلى أنظمة بلكسكو الأخرى مثل بلكسكو ٤٥، وبلكسكو ١٠٠، وبلكسكو ٦٠.

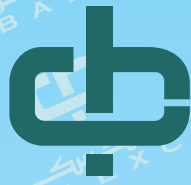
إننا نعتز كثيراً بتقديم هذا النظام لجميع أسواقنا ولكل من يحتاجه من زبائننا، ونحن نؤكد بأن هذا النظام يتمتع بكفاءة عالية، وإكسسواراته متوفرة. كما إن بلكسكو من خلال فريق خدماتها للدعم الفني على استعداد تام لتقديم أي مساعدة أو مشورة للجميع، مما سيحظى بالرضى من قبل كل زبون حيال بلكسكو ومنتجاتها.



**Jassim Mohamed Seyadi**  
Chief Executive Officer



**جاسم محمد سيادي**  
المدير العام



BALEXCO

**BAHRAIN ALUMINIUM EXTRUSION COMPANY**

## ***STATEMENT OF POLICY***

*The continued success and profitability of Bahrain Aluminium Extrusion Company (Balexco) totally depends upon our ability to attract and satisfy customers.*

*BALEXCO is committed to strive continuously for customer satisfaction and continuous improvement in the implementation of a Quality Management System, to meet these commitments the company will set quality objectives at management review.*

*The Chief Executive Officer accepts full responsibility for the implementation of the Quality Management System and its continuity and is committed to allocate appropriate resources.*

**JASSIM MOHAMED SEYADI**  
**CEO**

**Date: 17-05-2010**



**FM 33839**



Licence N° 2700



Licence N° 2200

## ALUMINIUM EXTRUSION PRODUCT SPECIFICATIONS

### 1) Dimensions and Shapes

Dimension tolerances are divided into two categories as mentioned below :

#### a) Category I:

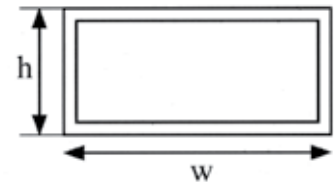
#### Standard Dimensional Tolerances

( DIN 1748, Part 4, Standard )

#### Dimensions

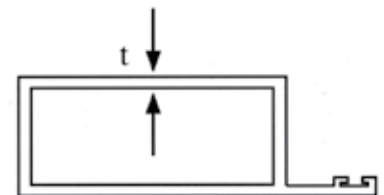
(Width (W) and Height (h)) - mm

| Over | To  | Tolerance |
|------|-----|-----------|
|      |     | $\pm$     |
| -    | 10  | 0.3       |
| 10   | 15  | 0.4       |
| 15   | 30  | 0.5       |
| 30   | 50  | 0.6       |
| 50   | 80  | 0.7       |
| 80   | 100 | 0.8       |
| 100  | 120 | 1.0       |
| 120  | 150 | 1.2       |
| 150  | 180 | 1.5       |
| 180  | 240 | 1.9       |



#### Wall Thickness (t) mm

| Over | To  | Tolerance |
|------|-----|-----------|
|      |     | $\pm$     |
| -    | 1.5 | 0.20      |
| 1.5  | 3   | 0.25      |
| 3    | 6   | 0.30      |
| 6    | 10  | 0.35      |
| 10   | 15  | 0.40      |
| 15   | 20  | 0.50      |
| 20   | 30  | 0.60      |



## ALUMINIUM EXTRUSION PRODUCT SPECIFICATIONS

### Concavity/Convexity (E) mm

Solid Sections

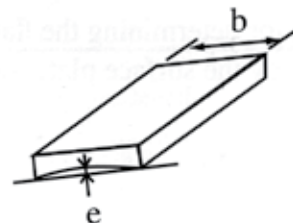
$$: e = 0.005 \times b$$

(minimum 0.20 mm)

Hollow Sections

$$: e = 0.01 \times b$$

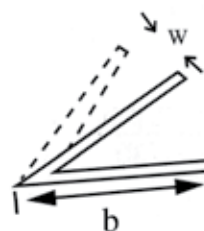
(minimum 0.30 mm)



### Angularity (W)

- Being the deviation from the given angle.

| Angular tolerances for extruded regular sections. |                    |                                                                                       |
|---------------------------------------------------|--------------------|---------------------------------------------------------------------------------------|
| Nominal Thickness of thinnest leg.                |                    | Allowable deviation from angle specified (measured at the extremities of the section) |
| Over                                              | Upto and including |                                                                                       |
| mm                                                | mm                 | ±                                                                                     |
| -                                                 | 1.6                | 1½°                                                                                   |
| 1.6                                               | 5.0                | 1½°                                                                                   |
| 5.0                                               | -                  | 1°                                                                                    |



## ALUMINIUM EXTRUSION PRODUCT SPECIFICATIONS

Flatness Tolerance (Torsion/Twist - mm)

The basis for determining the flatness tolerance  $b$  according to table 8 is width  $b$  of the profile supported by the surface plate, see figure A.

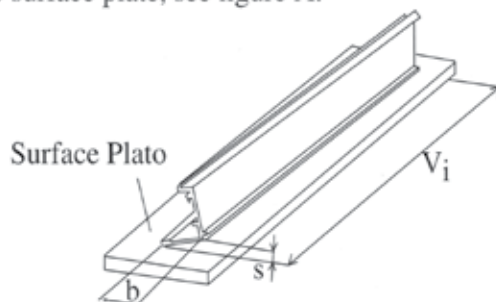
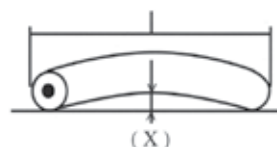


Figure A.

Table 8. Flatness tolerance

| Width $b$ |       | Normal-straightened (N)<br>Total Profile Length $V_i$ |                |                    |
|-----------|-------|-------------------------------------------------------|----------------|--------------------|
| Over      | Up to | per 1000                                              | upto max. 6000 | over 6000          |
| -         | 30    | 1.2                                                   | 2.5            | 3.0                |
| 30        | 50    | 1.5                                                   | 3.0            | 4.0                |
| 50        | 100   | 2.0                                                   | 3.5            | 5.0                |
| 100       | 200   | 2.5                                                   | 5.0            | 7.0                |
| 200       | 300   | 2.5                                                   | 6.0            | 8.0                |
| 300       | 450   | 3.0                                                   | 8.0            | $1.5 \times l$     |
| 450       | 600   | 3.5                                                   | 9.0            | $(l \text{ in m})$ |

Bow - mm



No single deviation per 300 mm shall exceed 0.3mm

| Length of section in M | Up to 1 | Over 1<br>Up to 2 | Over 2<br>Up to 3 | Over 3<br>Up to 4 | Over 4<br>Up to 5 | Over 5<br>Up to 6 | Over 6<br>Up to 7 | Over 7               |
|------------------------|---------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|----------------------|
| Tolerance in mm "X"    | 1       | 4                 | 6                 | 7                 | 8                 | 9                 | 12                | Subject to agreement |

## ALUMINIUM EXTRUSION PRODUCT SPECIFICATIONS

### Fixed Length (sawn length/mm)

The tolerance also includes the angle in case the saw blade is out of the 90° angle.  
Permissible dimensional deviations for fixed lengths.

| Diameter<br>of circumscribing circle<br>$d_u$ |       | Permissible dimensional deviations for fixed lengths |                         |                         |                         |           |
|-----------------------------------------------|-------|------------------------------------------------------|-------------------------|-------------------------|-------------------------|-----------|
| Over                                          | Up to | Up to 1000                                           | Over 1000<br>Up to 2000 | Over 2000<br>Up to 5000 | Over 5000<br>Up to 8000 | Over 8000 |
| -                                             | 25    | +2<br>0                                              | +3<br>0                 | +5<br>0                 | +7<br>0                 | +10<br>0  |
| 25                                            | 50    | +3<br>0                                              | +4<br>0                 | +6<br>0                 | +7<br>0                 | +12<br>0  |
| 50                                            | 100   | +4<br>0                                              | +5<br>0                 | +7<br>0                 | +8<br>0                 | +14<br>0  |
| 100                                           | 250   | +5<br>0                                              | +6<br>0                 | +8<br>0                 | +10<br>0                | +16<br>0  |
| 250                                           | 600   | +8<br>0                                              | +8<br>0                 | +10<br>0                | +12<br>0                | +20<br>0  |

### b) Category II:

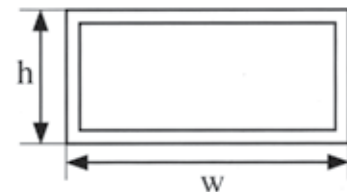
### Special Dimensional Tolerances

DIN 17615, Part 3 Standard

### Dimensions

(Width (W) and Height (h)) - mm

| Over | To  | Tolerance |
|------|-----|-----------|
|      |     | $\pm$     |
| -    | 10  | 0.15      |
| 10   | 15  | 0.20      |
| 15   | 30  | 0.25      |
| 30   | 45  | 0.30      |
| 45   | 60  | 0.40      |
| 60   | 90  | 0.45      |
| 90   | 120 | 0.60      |
| 120  | 150 | 0.80      |
| 150  | 180 | 1.00      |
| 180  | 240 | 1.20      |



## ALUMINIUM EXTRUSION PRODUCT SPECIFICATIONS

### Wall Thickness (t) mm

| Over | To  | Tolerance |
|------|-----|-----------|
|      |     | ±         |
| -    | 1.5 | 0.15      |
| 1.5  | 3   | 0.20      |
| 3    | 6   | 0.25      |
| 6    | 10  | 0.30      |
| 10   | 15  | 0.40      |
| 15   | 20  | 0.50      |
| 20   | 30  | 0.60      |
| 30   | 40  | 0.70      |

### Concavity/Convexity (e) mm

| Width, b |       | Concavity/<br>Convexity |
|----------|-------|-------------------------|
| Over     | Up to |                         |
|          |       | ±                       |
| -        | 40    | 0.20                    |
| 40       | 60    | 0.30                    |
| 60       | 90    | 0.40                    |
| 90       | 120   | 0.45                    |
| 120      | 150   | 0.55                    |
| 150      | 180   | 0.65                    |
| 180      | 210   | 0.70                    |
| 210      | 240   | 0.75                    |

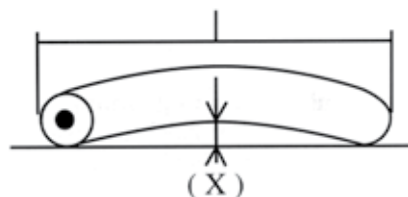
### Angularity (W) The values of angularity tolerance

| Angular tolerances for extruded regular sections. |                       |                                                                                             |
|---------------------------------------------------|-----------------------|---------------------------------------------------------------------------------------------|
| Nominal Thickness of<br>thinnest leg.             |                       | Allowable deviation from angle specified<br>(measured at the extremities of the<br>section) |
| Over                                              | Upto and<br>including |                                                                                             |
| mm                                                | mm                    | ±                                                                                           |
| -                                                 | 1.6                   | 1°                                                                                          |
| 1.6                                               | 5.0                   | 1½°                                                                                         |
| 5.0                                               | -                     | 1°                                                                                          |

## ALUMINIUM EXTRUSION PRODUCT SPECIFICATIONS

### Bow - mm

No single deviation per 300 mm shall exceed 0.3mm



| Length of section in M | Up to 1 | Up to 2 | Up to 3 | Up to 4 | Up to 5 | Up to 6 | Over 6 |
|------------------------|---------|---------|---------|---------|---------|---------|--------|
| Tolerance in mm " X "  | 0.7     | 1.3     | 1.8     | 2.2     | 2.6     | 3.0     | 3.5    |

### Tolerance on twist

| Width, $b$ |       | Tolerance on twist for lengths $\pm V_i$ |                         |                         |                         |                         |                         |                 |
|------------|-------|------------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-----------------|
| Over       | Up to | Up to 1000                               | Over 1000<br>Up to 2000 | Over 2000<br>Up to 3000 | Over 3000<br>Up to 4000 | Over 4000<br>Up to 5000 | Over 5000<br>Up to 6000 | Over 6000       |
| -          | 25    | 1.0                                      | 1.5                     | 1.5                     | 2.0                     | 2.0                     | 2.0                     | To be<br>Agreed |
| 25         | 50    | 1.0                                      | 1.2                     | 1.5                     | 1.8                     | 2.0                     | 2.0                     |                 |
| 50         | 75    | 1.0                                      | 1.2                     | 1.2                     | 1.5                     | 2.0                     | 2.0                     |                 |
| 75         | 100   | 1.0                                      | 1.2                     | 1.5                     | 2.0                     | 2.2                     | 2.5                     |                 |
| 100        | 125   | 1.0                                      | 1.5                     | 1.8                     | 2.2                     | 2.5                     | 3.0                     |                 |
| 125        | 150   | 1.2                                      | 1.5                     | 1.8                     | 2.2                     | 2.5                     | 3.0                     |                 |
| 150        | 200   | 1.5                                      | 1.8                     | 2.2                     | 2.6                     | 3.0                     | 3.5                     |                 |
| 200        | 300   | 1.8                                      | 2.5                     | 3.0                     | 3.5                     | 4.0                     | 4.5                     |                 |

For determining the tolerance on twist, the section shall be placed on a surface plate and size  $v_i$  measured; see figure B.

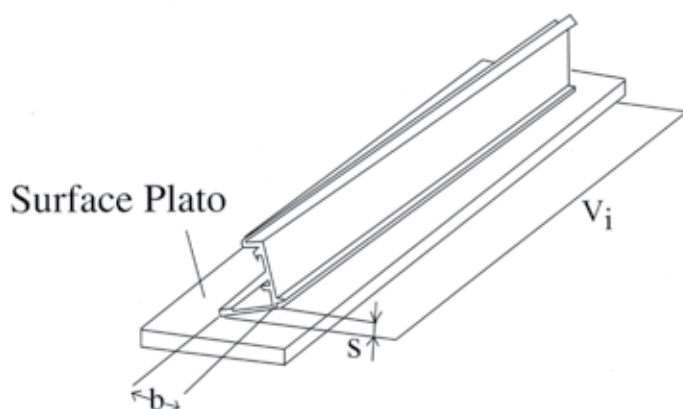


Figure B.

## ALUMINIUM EXTRUSION PRODUCT SPECIFICATIONS

### Fixed Length (sawn length/mm)

The tolerance also includes the angle in case the saw blade is out of the 90° angle.  
Permissible dimensional deviations for fixed lengths.

| Diameter of smallest circumscribing circle<br>d <sub>n</sub> |       | Limit deviation for specified lengths, multiple lengths and underlengths |                         |                         |                |
|--------------------------------------------------------------|-------|--------------------------------------------------------------------------|-------------------------|-------------------------|----------------|
| Over                                                         | Up to | -<br>Up to 1000                                                          | Over 1000<br>Up to 2000 | Over 2000<br>Up to 5000 | Over 5000<br>- |
| -                                                            | 25    | +2<br>0                                                                  | +3<br>0                 | +5<br>0                 | +10<br>0       |
| 25                                                           | 50    | +3<br>0                                                                  | +4<br>0                 | +6<br>0                 | +12<br>0       |
| 50                                                           | 100   | +4<br>0                                                                  | +5<br>0                 | +7<br>0                 | +14<br>0       |
| 100                                                          | 250   | +5<br>0                                                                  | +6<br>0                 | +8<br>0                 | +16<br>0       |
| 250                                                          | 300   | +8<br>0                                                                  | +8<br>0                 | +10<br>0                | +20<br>0       |

## 2) SCOPE : ANODISING STANDARDS

BALEXCO's Quality Specification is based on **International Standards**.

The specification in particular meets the requirement for architectural aluminium extrusions.

### 2. a) Surface Finish

Anodic film thickness are as follows:

| CLASSIFICATION        | MINIMUM THICKNESS |
|-----------------------|-------------------|
| Class 16 / 18 Microns | 16 Microns        |
| Class 20 / 22 Microns | 20 Microns        |
| Class 23 / 25 Microns | 23 Microns        |

### 2. b) Colour Variations

Colour variations for our colour anodised products are controlled within a permissible range of maximum and minimum limits of each shade.

## ALUMINIUM EXTRUSION PRODUCT SPECIFICATIONS

### 2. c Finishes

Mill Finish.  
Anodised:

Gold Matt, Gold Brushed, Bronze Colinal Matt, Black Colinal Matt, Black Colinal Brushed. Gold is available in two shades No. 2 and No. 3, Bronze Colinal is available in 5 shades, Colinal No. 10 (light) and No. 17 (medium), 21 (medium), No. 30 (dark) and No. 40 (very dark).

Powder  
Coated:

Wide Range of RAL painted polyester powder colours are available.

### 3) SCOPE : POWDER COATING STANDARDS:

The Balexco specification in particular meets the requirements for architectural aluminium extrusions. Regular quality checks are made during production to ensure high quality products as follows:

Gloss - Adhesion - Impact Resistance - Flexibility - Cupping.

Limits values for:

| Gloss              | Coat Thickness            |
|--------------------|---------------------------|
| 65% to 84%         | 60 $\mu$ m to 170 $\mu$ m |
| Adhesion Cross Cut | No flaking 100% *         |
| Impact             | No crack *                |
| Flexibility (Bend) | No crack *                |
| Cupping            | No Crack *                |

\* When applied on test panel less than 1 mm thick, provided coat thickness is between 40 to 80  $\mu$ m.

- When exceeding the maximum range, consideration must be given to the question of fit or possible problems with sliding components.

# BALEXCO LUXURY SYSTEM DESCRIPTION

- Balexco Luxury System contains a package of 10 profiles, 5 gaskets, 7 thermal insulators besides the accessories as per the end requirement.
- This system has been designed to be safe with excellent heat & noise insulation, wind & rain resistance similar to the casement windows without disturbing the inherent advantages of sliding system like space saving, large size of glass for additional sunlight etc.
- This system has a high heat insulation performance through the additional thermal bars on the longitude of the frame.
- The system could be utilized as two options of both 1) sliding & 2) lift & slide, just by opting for different hardware & accessories.
- Balexco Luxury System incorporates standard EURO groove which is usually used in casement into the system for:
  - Use the standard connection rod for EURO groove;
  - Insert hardware into the groove, reduce profile machining;
  - Add as many as locking points thanks to the modularity of the system;
  - Traditional lock and cylinder for door can be used in this system, to satisfy higher security requirement.
- Because of euro groove one can use standard connection rod, insertion of hardware, reduction of profile machining etc & are added advantages causing less fabrication.
- The profile sections are suitable to incorporate fly screen either inside or outside.

- Can be compatible for multiple locking point & anti lift options with the hardware from Giesse.
- Options of pulleys are provided depending on the high load bearing capability of the individual sash. Single pulley can withstand 80kg and the double pulley can withstand 200kg.
- Has been tested for resistance to wind load, air permeability & water tightness as per the European standards under EN14351-1 standards for doors & windows.
- The resistance to wind load has been classified as Class B3, air permeability at a test pressure of 600 Pa & the water tightness at a pressure of 1050 Pa which is considered to be very good for this system and can be rated on par with the international systems.
- As a new system combining new hardware and new concept, Balexco Luxury System is dedicated to convert limitations of existing slide systems to provide high performance solutions. Balexco Luxury System is designed to be safe with excellent noise & heat insulation and wind & rain resistance like casement as well as inherit obvious advantages of sliding system like space saving, large-size glass for sunlight, etc.
- Balexco Luxury System has the best heat insulation performance through thermal break bars and others to reduce the energy transfer along longitude direction on the frame. It is the key to high requirement on heat insulation in cold winter and hot summer area.
- With different hardware, Balexco Luxury System could realize opening both ways: Lift & Slide and Slide. Lift & Slide design uses gasket and tightness accessories to enhance the performance on water tightness, air permeability and sound insulation extremely. Instead of gasket, brush can be used for slide opening with related hardware.



# Certificate of Registration

QUALITY MANAGEMENT SYSTEM - ISO 9001:2008

This is to certify that:

**Bahrain Aluminium Extrusion Company  
(Balexco)  
PO BOX 1053  
Manama  
Bahrain**

Holds Certificate No: **FM 33839**

and operates a Quality Management System which complies with the requirements of ISO 9001:2008 for the following scope:

The Procurement and Processing of Aluminium, and Aluminium Alloys for Extruding, Heat Treatment, Anodising and Powder Coating to customer specifications. Re-melt casting facility for the recycling of scrap Aluminium and Aluminium Alloys.

For and on behalf of BSI:

Managing Director, BSI EMEA

Originally registered: 09/04/1996

Latest Issue: 02/06/2010

Expiry Date: 08/10/2012



Page: 1 of 1

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The British Standards Institution is incorporated by Royal Charter.  
BSI (EMEA) Headquarters: 389 Chiswick High Road, London, W4 4AL, United Kingdom



# Authorization to use the quality sign



This is to certify that

**Bahrain Aluminium Extrusion Company B.S.C.C. (BALEXCO)**

P.O. Box 1053  
BH – Bahrain

**Licence number: 2700**

is authorized to use the quality sign which is shown above according to the REGULATIONS FOR THE USE OF THE QUALICOAT QUALITY SIGN FOR PAINT, LACQUER AND POWDER COATINGS ON ALUMINIUM FOR ARCHITECTURAL APPLICATIONS.

**Date of issue of the licence:** 27.05.2003  
**Period of validity of the licence:** until 31.12.2011

Zurich, 1 November 2010

**QUALICOAT**

Ralf Heitzelmann  
President

**CERTIFICATION BODY**

Josef Schoppig  
AC-Fiduciaire SA



Mailing address:  
QUALICOAT, P.O. Box 1507, CH-8027 Zurich  
Domicile:  
QUALICOAT c/o AC-Fiduciaire SA, Tödistrasse 47, CH-8002 Zurich

Phone: +41 (0)43 305 09 70/79  
Fax: +41 (0)43 305 09 98  
E-mail: [info@qualicoat.net](mailto:info@qualicoat.net)  
Internet: [www.qualicoat.net](http://www.qualicoat.net)

## Authorization to use the quality sign



This is to certify that

**Bahrain Aluminium Extrusion Co. B.S.C.C. (BALEXCO)**

P.O. Box 1053  
BH – Manama

**Licence number: 2200**

is authorized to use the quality sign which is shown above according to the REGULATIONS FOR USE OF THE QUALANOD QUALITY LABEL FOR SULPHURIC ACID-BASED ANODIZING OF ALUMINIUM.

**Date of issue of the licence:**

**08.09.2009**

**Period of validity of the licence:**

**until 31.12.2011**

Zurich, 25 October 2010

**QUALANOD**

**CERTIFICATION BODY**

José Fernando Bettencourt  
President

Josef Schoppig  
AC-Fiduciaire SA



Mailing address:  
QUALANOD, P.O. Box 1507, CH – 8027 Zurich  
Domicile:  
QUALANOD, c/o AC-Fiduciaire SA, Tödistrasse 47, CH – 8002 Zurich

Phone: +41 (0)43 305 09 70  
Fax: +41 (0)43 305 09 98  
E-mail: [info@qualanod.net](mailto:info@qualanod.net)  
Internet: [www.qualanod.net](http://www.qualanod.net)



# TEST REPORT

Nr.714C8321210 -December 30, 2010

ECO CERTIFICAZIONI S.P.A. NOTIFIED BODY

Nr. 0714 FOR DIRECTIVE 89/106/EEC

UNI EN 14351-1 WINDOWS AND DOORS

**Manufacturer:** Bahrain Aluminium Extrusion Company BSc. (BALEXCO)  
P O Box No 1053, Manama  
Kingdom of Bahrain  
Tel: +973 1773 0073 / +973 1773 4459  
Fax: +973 1773 6928 / +973 1773 6517  
Email: [bxsales@balexco.com.bh](mailto:bxsales@balexco.com.bh)  
Web: [www.balexco.com.bh](http://www.balexco.com.bh)

**Test Sample:** BALEXCO LUXURY SYSTEM

**Testing date:** 13/10/2010

**Type of test**

- Air Permeability in accordance with UNI EN 1026:2001 with test result expressed in accordance with UNI EN 12207:2000;
- Water tightness in accordance with UNI EN 1027:2001 with test result expressed in accordance with UNI EN 12208:2000;
- Resistance to wind load in accordance with UNI EN 12211:2001 with result expressed in accordance with UNI EN 12210:2000;

| TABELLA RIASSUNTIVA DEI RISULTATI OTTENUTI |             |
|--------------------------------------------|-------------|
| Air Permeability:                          | Class 4     |
| Water tightness:                           | Class E1050 |
| Resistance to wind load:                   | Class B3    |

The results are strictly connected with the sample submitted to the tests.

Technical Inspector Eco Certificazioni S.p.A.

Gian Marco Babini

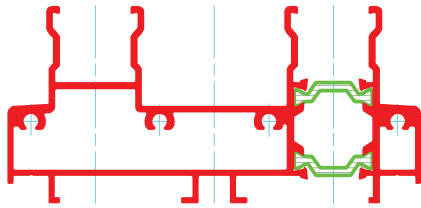
Faenza, 30/12/2010

Technical Manager Eco Certificazioni S.p.A.

Ing. Gualtiero Fabbri

ECO Certificazioni S.p.A. • Via Mengolina, 33  
48018 Faenza (RA) - ITALY  
Tel. +39 0546 624911 • Fax +39 0546 624922  
E-mail: [info@eco-cert.it](mailto:info@eco-cert.it) • [www.eco-cert.it](http://www.eco-cert.it)

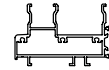
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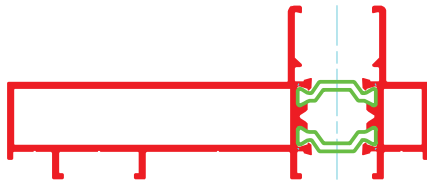
E6201  
FRAME 90° Profile



E6101



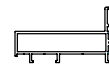
E6102



E6202  
FRAME 90° Upright



E6103



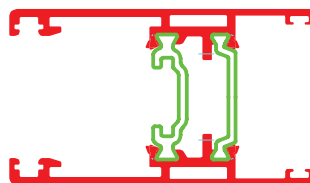
E6104



E6105  
Decoration Profile



E6106  
Central Labyrinth



E6203  
Sash



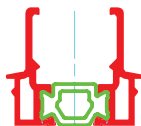
E6107



E6107



E6108  
Mosquito Track



E6204  
Four Sash Connecting Profile



E6109

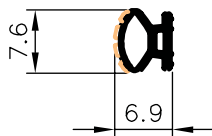


E6110  
Mosquito Netting Profile

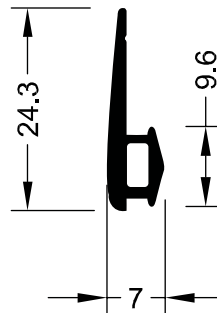
## GASKET FOR LIFT & SLIDE

### BRUSH GASKET

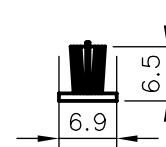
CODE: G2201



CODE: G2202

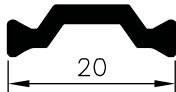


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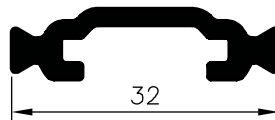


### POLYAMIDE EXTRUSIONS

CODE: i2150



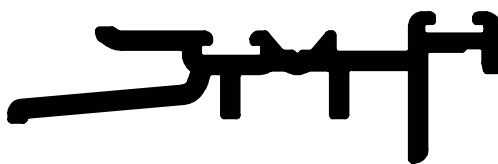
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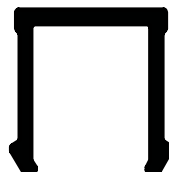
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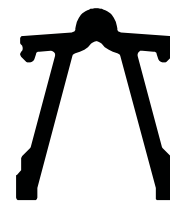
CODE: i2153



CODE: i2154



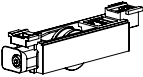
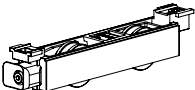
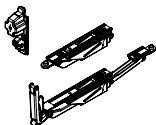
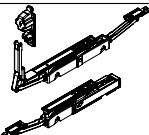
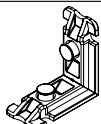
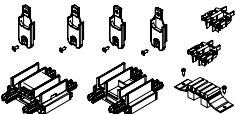
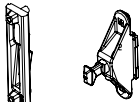
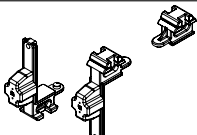
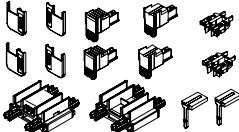
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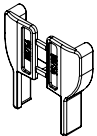
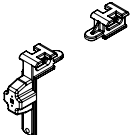
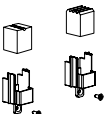
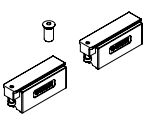
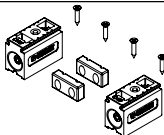
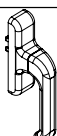
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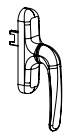
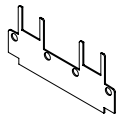
## ACCESSORIES LIST

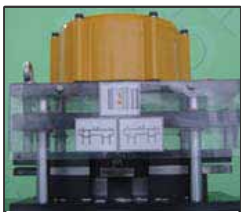
| Picture                                                                             | Balexco Code | Giesse Code | Description                             | Slide | Lift & Slide |
|-------------------------------------------------------------------------------------|--------------|-------------|-----------------------------------------|-------|--------------|
|    | A3211        | 02910       | CARRERA1 SINGLE ADJUSTABLE PULLEY 80KG  | •     |              |
|    | A3212        | 02911       | CARRERA2 DOUBLE ADJUSTABLE PULLEY 200KG | •     |              |
|    | A3213        | 02916       | PULLEY L&S (1 WHEEL) 90KG               |       | •            |
|   | A3214        | 02913       | PULLEY L&S (2 WHEELS) 200KG             |       | •            |
|  | A3215        | 02921       | PROFILE ALIGNMENT CORNER JOINT          | •     | •            |
|  | A3216        | 02922       | CORNER JOINT FOR MOSQUITO SCREEN        | •     | •            |
|  | A3208        | 02923N      | CORNER JOINT FOR SASH                   | •     | •            |
|  | A3217        | 02927       | KIT CENTRAL PLUGS FOR SLIDE 45mm        | •     |              |
|  | A3203        | 02929       | CLOSING KIT FOR OPEN FRAME              | •     | •            |
|  | A3218        | 02933       | SHOCK ABSORBER NO-LIFT CAPS (SLIDE)     | •     |              |
|  | A3206        | 02936N      | KIT CENTRAL PLUGS FOR L&S 45MM          |       | •            |

## ACCESSORIES LIST

| Picture                                                                             | Balexco Code | Giesse Code | Description                                       | Slide | Lift & Slide |
|-------------------------------------------------------------------------------------|--------------|-------------|---------------------------------------------------|-------|--------------|
|    | G2204        | G2204       | WATER TRAPING PLUG (PAIR)<br>BALEXCO ITEM         | •     | •            |
|    | A3205        | 02939       | SHOCK ABSORBER NO-LIFT CAPS<br>(L & S)            |       | •            |
|    | A3219        | 02940       | ROD DRIVE FOR CREMONE                             | •     | •            |
|   | A3220        | 02942       | LIFT & SLIDE FLAT HANDLE                          | •     |              |
|  | A3221        | 02947       | PLUG FOR FOUR SASH CONNECTION                     |       | •            |
|  | A3202        | 02951       | INTERNAL DEVICE                                   |       | •            |
|  | A3222        | 02952       | LOCK FOR DEVICE                                   | •     | •            |
|  | A3223        | 02954       | FIXED SASH KIT - LATERAL SASH                     | •     | •            |
|  | A3224        | 02903       | PROFILE ALIGNMENT CORNER JOINT<br>WITH SASH GUIDE |       | •            |
|  | A3225        | 02904       | FIXED SASH KIT - CENTRAL SASH                     | •     | •            |
|  | A3226        | 01057R      | EURO CREMONE RAPID                                | •     | •            |

## ACCESSORIES LIST

| Picture                                                                             | Balexco Code | Giesse Code | Description                            | Slide | Lift & Slide |
|-------------------------------------------------------------------------------------|--------------|-------------|----------------------------------------|-------|--------------|
|    | A3227        | 01058R      | PRIMA CRIMEAN RAPID                    | •     | •            |
|    | A3228        | 02480       | PRIMA WINDOW HANDLE                    | •     | •            |
|    | A3229        | 02908       | L&S WINDOW HANDLE WITH LONG GRIP 175MM |       | •            |
|   | A3230        | 02948       | L&S WINDOW HANDLE                      |       | •            |
|  | A3231        | 02974       | SEALING PLATE FOR 90° FRAME            |       | •            |
|  | A3210        | 03524       | POLYAMIDE CONNECTION ROD               | •     | •            |

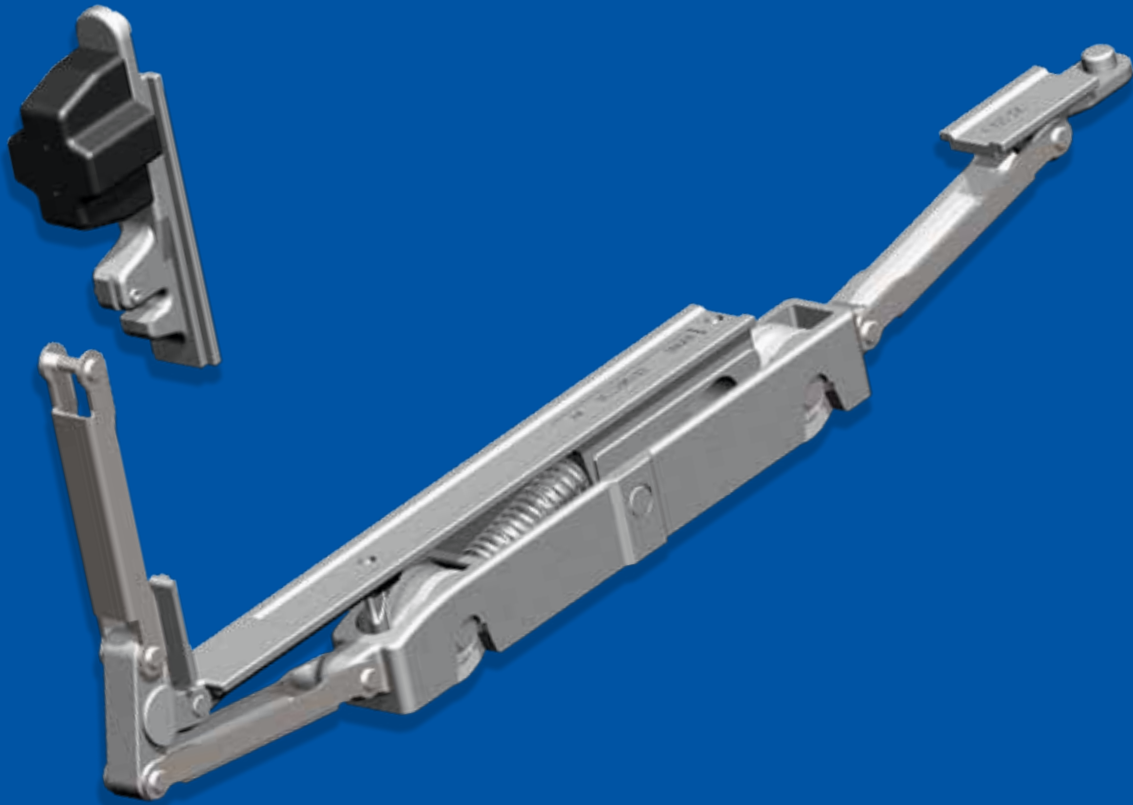
| Picture                                                                             | Code                   | Description                                                                           | Function                                                                 |
|-------------------------------------------------------------------------------------|------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
|    | 5810530000             | GIESSE PUNCHING MACHINE                                                               | ALL PUNCHING MACHINING REQUIRED FOR FRAME                                |
|    | 5810540000             |                                                                                       | ALL PUNCHING MACHINING REQUIRED FOR SASH                                 |
|  | GS 00 8                | PUNCHING UNITS WITH PNEUMATIC CONTROL AND MANUAL PROFILE INSERTION FOR CONNECTION ROD | CUTTING OF THE CONNECTION ROD ACCORDING TO THE DIMENSION OF THE SASH     |
|  | 5840170000<br>03521000 | POLYMIDE ROD BRACKET<br><br>POLYMIDE ROD REEL ADAPTER                                 | BRACKET FOR POLYMIDE ROD<br><br>ADAPT POLYMIDE ROD COMBINED WITH BRACKET |



# HARDWARE

## Features

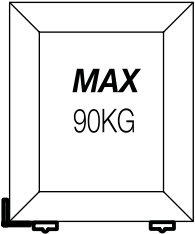
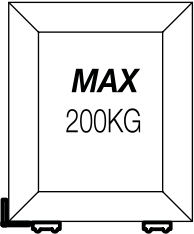
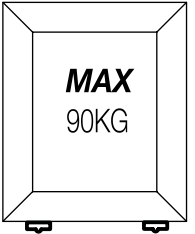
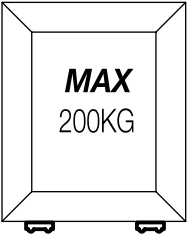
- Slide and Lift & Slide opening
- High load capability: 90 KG and 200 KG
- High quality and reliable material
- Multi-point locking and Anti-lift device with top security
- Pre-assembled and easily mountable components
- Easily operated equipments for saving cost
- Differential style and finishes for aesthetic view
- Threading plate locking kit reduces machining
- Variable configuration



## LOAD CAPABILITY

Balexco Luxury System's hardware can realise Lift & Slide or Slide opening.

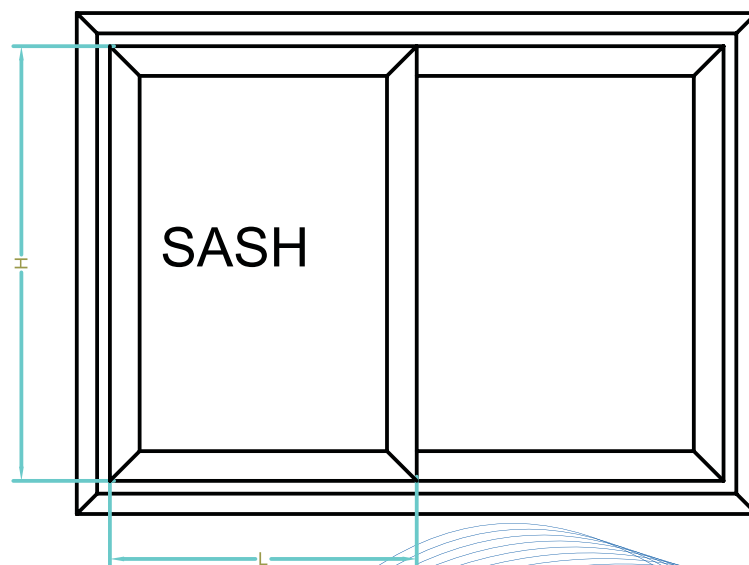
Different pulleys varies from load capability.

| LIFT & SLIDE:                                                                                                                                                               |                                                                                                                                                                               | SLIDE:                                                                                                                                                                      |                                                                                                                                                                                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p><b>MAX</b><br/>90KG</p> <p>single wheel</p> <p>Minimum Dimension per sash is 690mm</p> |  <p><b>MAX</b><br/>200KG</p> <p>double wheels</p> <p>Minimum Dimension per sash is 820mm</p> |  <p><b>MAX</b><br/>90KG</p> <p>single wheel</p> <p>Minimum Dimension per sash is 690mm</p> |  <p><b>MAX</b><br/>200KG</p> <p>double wheels</p> <p>Minimum Dimension per sash is 820mm</p> |

## DIMENSION

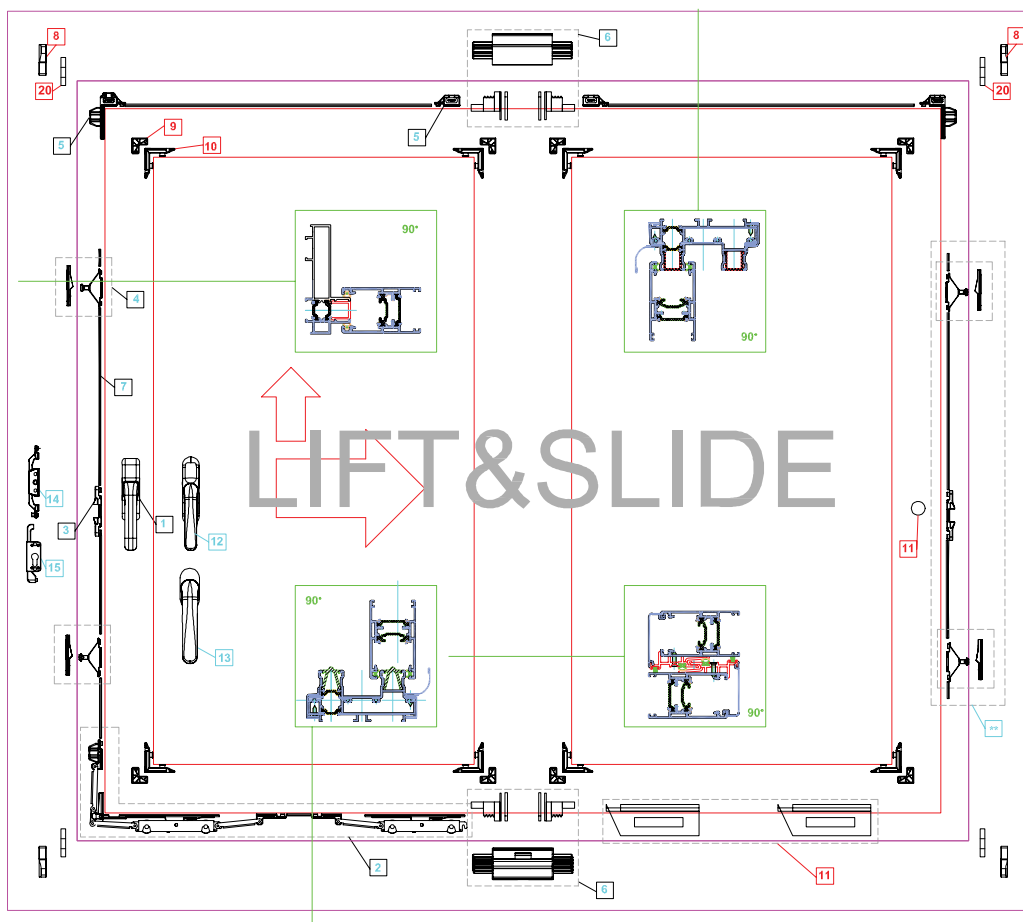
The ratio of sash height to length is no more than 2.

$$\frac{H}{L} \leq 2$$



## CONFIGURATION

### Single Opening Sash Lift & Slide (High Load)



#### HARDWARE LIST

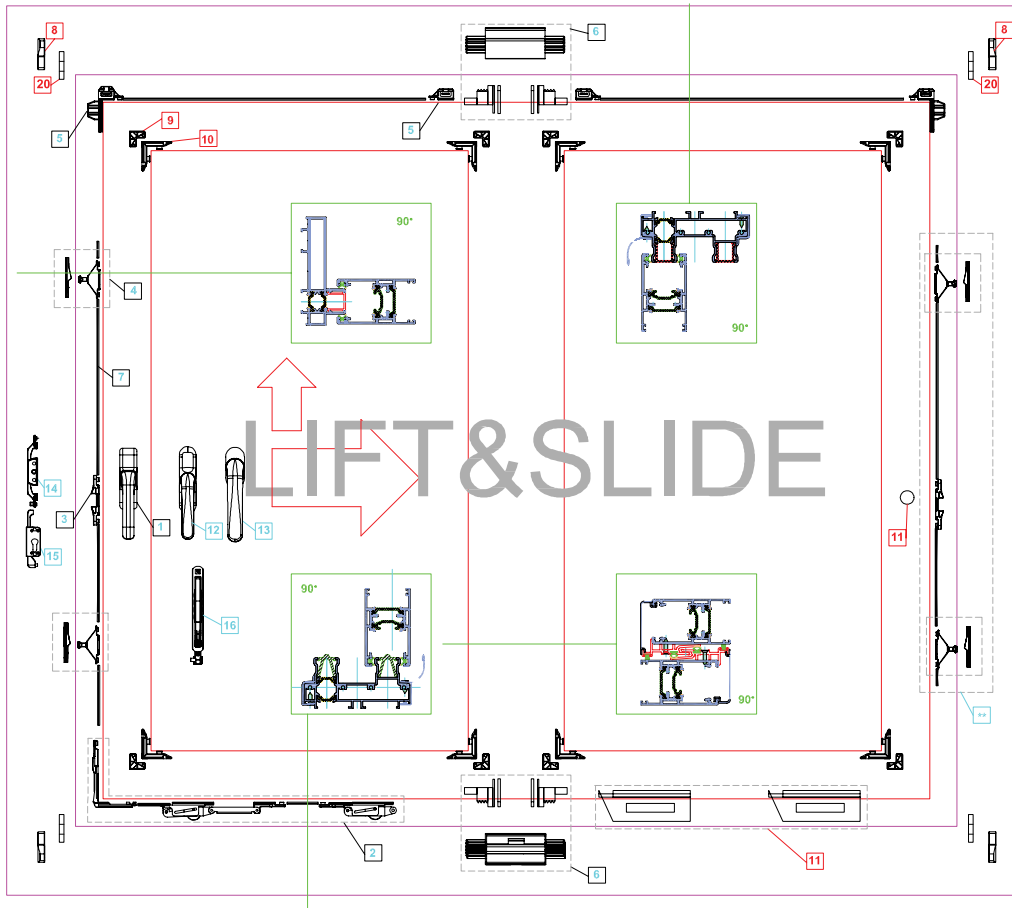
| Item                                              | Balexco Code | Giesse Code | Pc<br>90° | Description                             |                 |
|---------------------------------------------------|--------------|-------------|-----------|-----------------------------------------|-----------------|
| 1                                                 | A3226        | 01057R      | 1         | EURO CREMONE RAPID                      | Balexco Product |
| 2                                                 | A3214        | 02913       | 1         | PULLEY L&S (2 WHEELS) 200kg             |                 |
| 3                                                 | A3219        | 02940       | 1         | ROD CREMONE RAPID                       |                 |
| 4*                                                | A3203        | 02929       | 2         | CLOSING KIT FOR OPEN FRAME              |                 |
| 5                                                 | A3205        | 02939       | 2         | SHOCK ABSORBER NO-LIFT CAPS (L&S)       |                 |
| 6                                                 | A3206        | 02936N      | 1         | KIT CENTRE PLUGS                        |                 |
| 7                                                 | A3210        | 03524       |           | CONNECTION ROD                          |                 |
| 8                                                 | G2204        | G2204       | 2         | WATER TRAPPING PLUG (PAIR) BALEXCO ITEM |                 |
| 9                                                 | A3215        | 02921       | 16        | PROFILE ALIGNMENT CORNER JOINT          |                 |
| 10                                                | A3208        | 02923N      | 8         | CORNER JOINT FOR SASH                   |                 |
| 11                                                | A3223        | 02954       | 1         | FIXED SASH KIT (SPACERS + COVER PLUGS)  | Balexco Options |
| 20                                                | A3231        | 02974       | 4         | SEALING PLATE FOR 90° FRAME             |                 |
| 12                                                | A3227        | 01058R      | 1         | PRIMA CREMONE RAPID                     |                 |
| 13                                                | A3230        | 02948       | 1         | WINDOW HANDLE                           |                 |
| 14                                                | A3202        | 02951       | 1         | INTERNAL DEVICE                         |                 |
| 15                                                | A3222        | 02952       | 1         | LOCK FOR DEVICE                         |                 |
| ** LOCKING KIT FOR FIXED SASH (HIGH ANTI-BURGLAR) |              |             |           |                                         |                 |

Related profile refer to technical features. If mosquito screen required, please order 4pcs of 02922.

\* When H > = 2100mm, add one more Closing Kit.

## CONFIGURATION

### Single Opening Sash Lift & Slide



#### HARDWARE LIST

| Item                                              | Balexco Code | Giesse Code | Pc<br>90° | Description                             |                    |
|---------------------------------------------------|--------------|-------------|-----------|-----------------------------------------|--------------------|
| 1                                                 | A3226        | 01057R      | 1         | EURO CREMONE RAPID                      | Balexco<br>Product |
| 2                                                 | A3213        | 02916       | 1         | PULLEY L&S (1 WHEELS) 90kg              |                    |
| 3                                                 | A3219        | 02940       | 1         | ROD CREMONE RAPID                       |                    |
| 4*                                                | A3203        | 02929       | 2         | CLOSING KIT FOR OPEN FRAME              |                    |
| 5                                                 | A3205        | 02939       | 2         | SHOCK ABSORBER NO-LIFT CAPS (L&S)       |                    |
| 6                                                 | A3206        | 02936N      | 1         | KIT CENTRE PLUGS                        |                    |
| 7                                                 | A3210        | 03524       |           | CONNECTION ROD                          |                    |
| 8                                                 | G2204        | G2204       | 2         | WATER TRAPPING PLUG (PAIR) BALEXCO ITEM |                    |
| 9                                                 | A3215        | 02921       | 16        | PROFILE ALIGNMENT CORNER JOINT          |                    |
| 10                                                | A3208        | 02923N      | 8         | CORNER JOINT FOR SASH                   |                    |
| 11                                                | A3223        | 02954       | 1         | FIXED SASH KIT (SPACERS + COVER PLUGS)  | Balexco<br>Options |
| 20                                                | A3231        | 02974       | 4         | SEALING PLATE FOR 90° FRAME             |                    |
| 12                                                | A3227        | 01058R      | 1         | PRIMA CREMONE RAPID                     |                    |
| 13                                                | A3230        | 02948       | 1         | WINDOW HANDLE                           |                    |
| 14                                                | A3202        | 02951       | 1         | INTERNAL DEVICE                         |                    |
| 15                                                | A3222        | 02952       | 1         | LOCK FOR DEVICE                         |                    |
| 16                                                | A3220        | 02942       | 1         | LIFT & SLIDE FLAT HANDLE                |                    |
| ** LOCKING KIT FOR FIXED SASH (HIGH ANTI-BURGLAR) |              |             |           |                                         |                    |

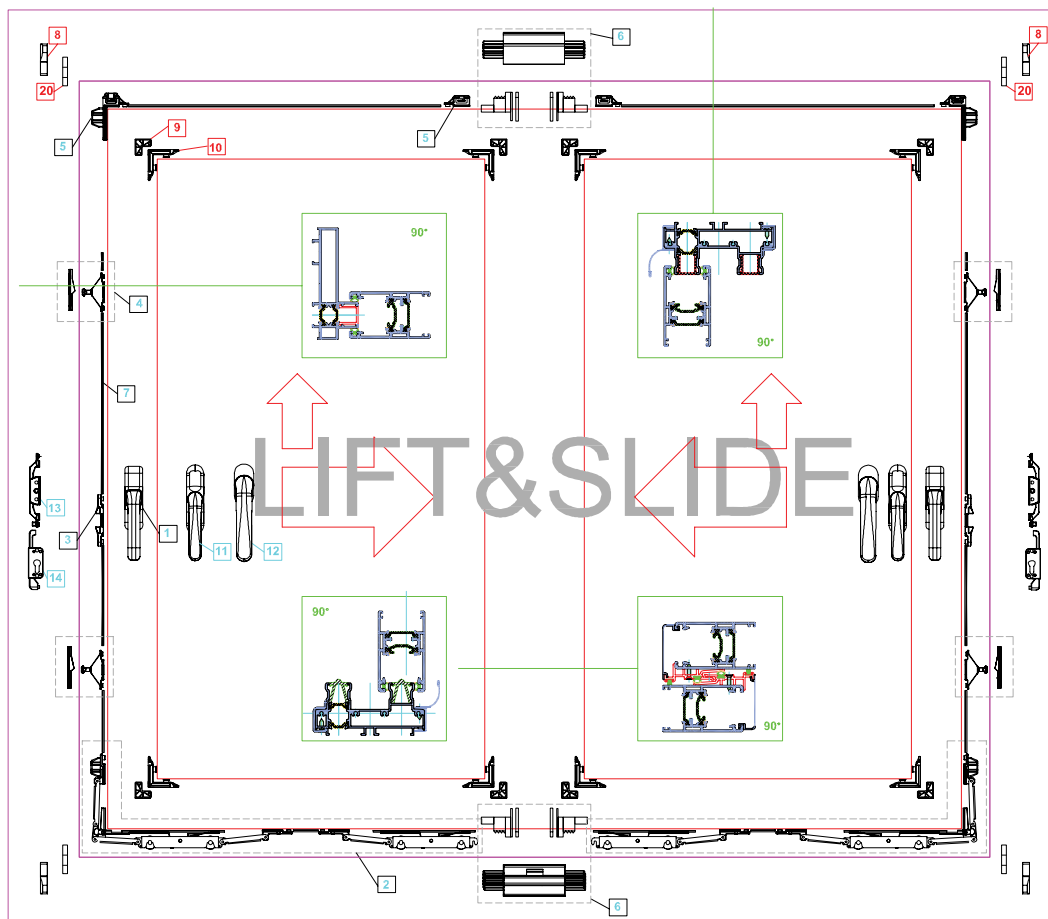
Related profile refer to technical features. If mosquito screen required, please order 4pcs of 02922.

\* When H > 2100mm, add one more Closing Kit.

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## CONFIGURATION

### Double Opening Sash Lift & Slide (High Load)



#### HARDWARE LIST

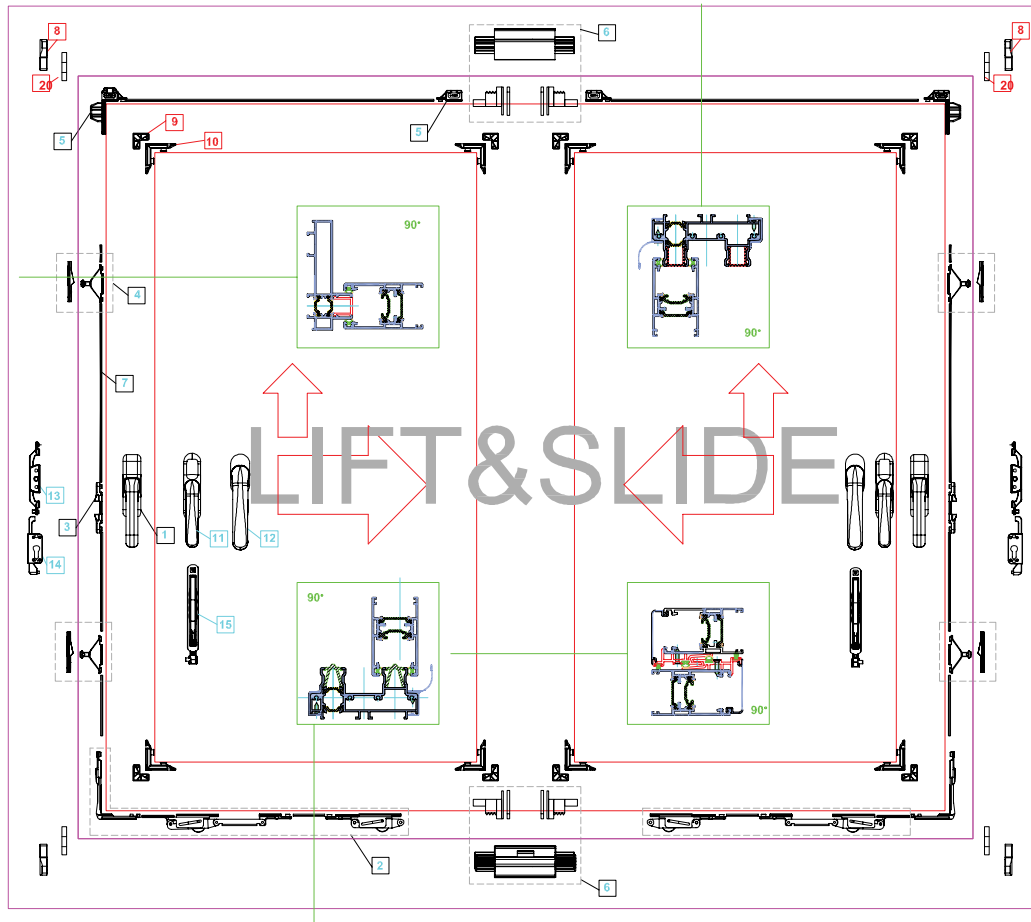
| Item | Balexco Code | Giesse Code | Pc<br>90° | Description                             |                    |
|------|--------------|-------------|-----------|-----------------------------------------|--------------------|
| 1    | A3226        | 01057R      | 2         | EURO CREMONE RAPID                      | Balexco<br>Product |
| 2    | A3214        | 02913       | 1         | PULLEY L&S (2 WHEELS) 200kg             |                    |
| 3    | A3219        | 02940       | 2         | ROD CREMONE RAPID                       |                    |
| 4*   | A3203        | 02929       | 4         | CLOSING KIT FOR OPEN FRAME              |                    |
| 5    | A3205        | 02939       | 2         | SHOCK ABSORBER NO-LIFT CAPS (L&S)       |                    |
| 6    | A3206        | 02936N      | 1         | KIT CENTRE PLUGS FOR<br>CONNECTION ROD  |                    |
| 7    | A3210        | 03524       |           | CONNECTION ROD                          |                    |
| 8    | G2204        | G2204       | 2         | WATER TRAPPING PLUG (PAIR) BALEXCO ITEM |                    |
| 9    | A3215        | 02921       | 16        | PROFILE ALIGNMENT CORNER JOINT          |                    |
| 10   | A3208        | 02923N      | 8         | CORNER JOINT FOR SASH                   |                    |
| 20   | A3231        | 02974       | 4         | SEALING PLATE FOR 90° FRAME             |                    |
| 11   | A3227        | 01058R      | 2         | PRIMA CREMONE RAPID                     | Balexco<br>Options |
| 12   | A3230        | 02948       | 2         | WINDOW HANDLE                           |                    |
| 13   | A3202        | 02951       | 2         | INTERNAL DEVICE                         |                    |
| 14   | A3222        | 02952       | 2         | LOCK FOR DEVICE                         |                    |

Related profile refer to technical features. If mosquito screen required, please order 4pcs of 02922.

\* When H > = 2100mm, add one more Closing Kit.

## CONFIGURATION

### Double Opening Sash Lift & Slide



#### HARDWARE LIST

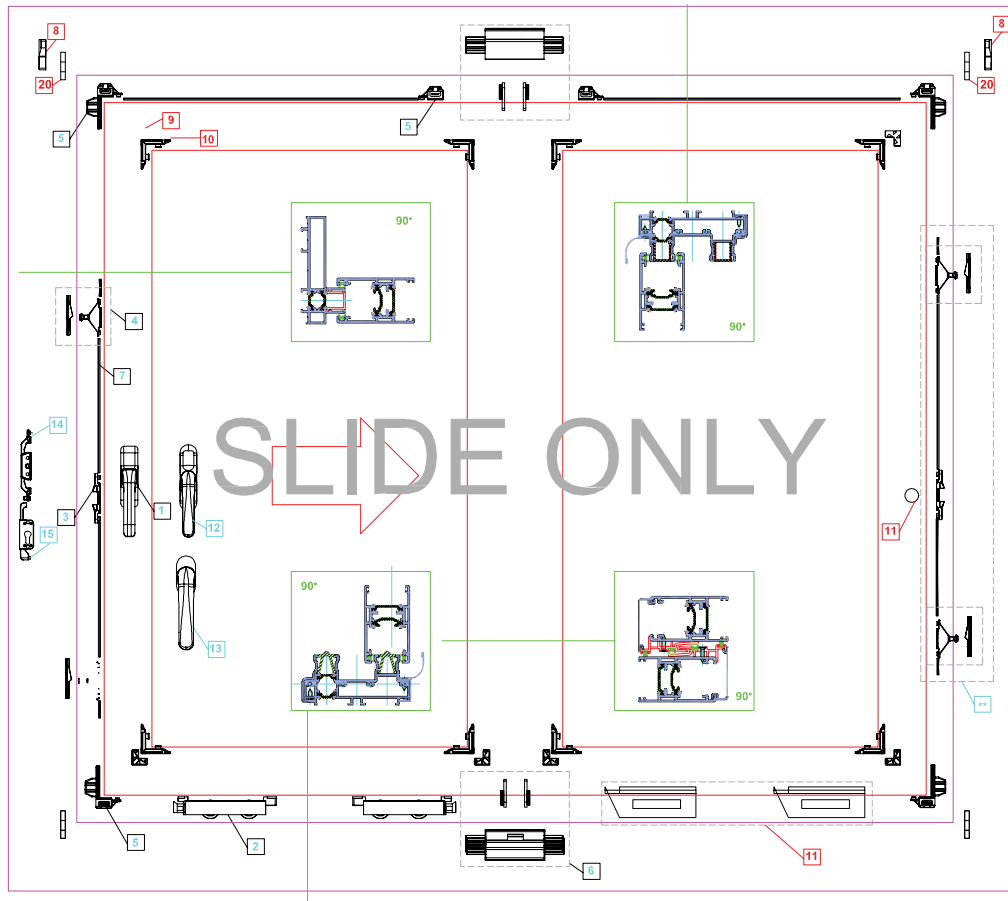
| Item | Balexco Code | Giese Code | Pc<br>90° | Description                       |                    |
|------|--------------|------------|-----------|-----------------------------------|--------------------|
| 1    | A3226        | 01057R     | 1         | EURO CREMONE RAPID                | Balexco<br>Product |
| 2    | A3213        | 02916      | 1         | PULLEY L&S (1 WHEELS) 90kg        |                    |
| 3    | A3219        | 02940      | 1         | ROD CREMONE RAPID                 |                    |
| 4*   | A3203        | 02929      | 2         | CLOSING KIT FOR OPEN FRAME        |                    |
| 5    | A3205        | 02939      | 2         | SHOCK ABSORBER NO-LIFT CAPS (L&S) |                    |
| 6    | A3206        | 02936N     | 1         | KIT CENTRE PLUGS                  |                    |
| 7    | A3210        | 03524      |           | CONNECTION ROD                    |                    |
| 8    | G2204        | G2204      | 2         | WATER TRAPPING PLUG (PAIR)        |                    |
| 9    | A3215        | 02921      | 16        | PROFILE ALIGNMENT CORNER JOINT    |                    |
| 10   | A3208        | 02923N     | 8         | CORNER JOINT FOR SASH             |                    |
| 20   | A3231        | 02974      | 4         | SEALING PLATE FOR 90° FRAME       |                    |
| 11   | A3227        | 01058R     | 1         | PRIMA CREMONE RAPID               | Balexco<br>Options |
| 12   | A3230        | 02948      | 1         | WINDOW HANDLE                     |                    |
| 13   | A3202        | 02951      | 1         | INTERNAL DEVICE                   |                    |
| 14   | A3222        | 02952      | 1         | LOCK FOR DEVICE                   |                    |
| 15   | A3220        | 02942      | 1         | LIFT & SLIDE FLAT HANDLE          |                    |

Related profile refer to technical features. If mosquito screen required, please order 4pcs of 02922.

\* When H >= 2100mm, add one more Closing Kit.

## CONFIGURATION

### Single Opening Sash Slide (High Load)



#### HARDWARE LIST

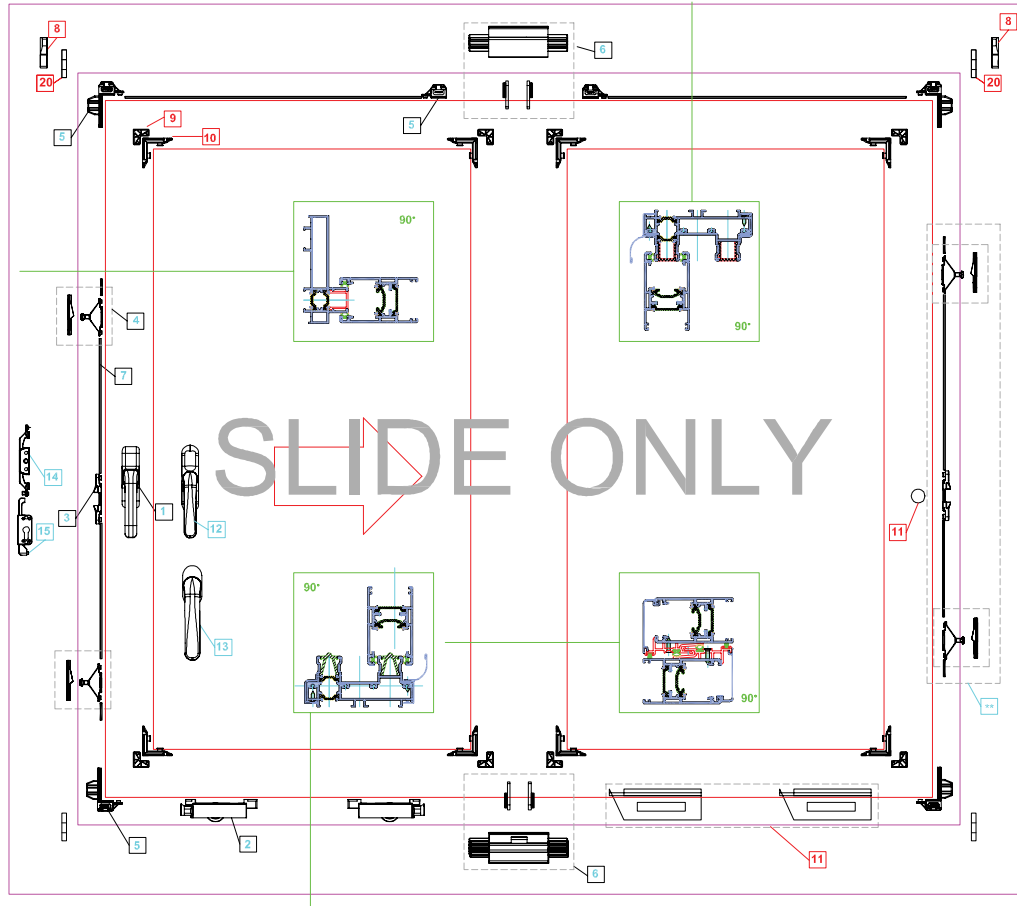
| Item | Balexco Code                                   | Giesse Code | Pc<br>90° | Description                              |                    |
|------|------------------------------------------------|-------------|-----------|------------------------------------------|--------------------|
| 1    | A3226                                          | 01057R      | 1         | EURO CREMONE RAPID                       | Balexco<br>Product |
| 2    | A3212                                          | 02911       | 2         | CARRERA 2 DOUBLE ADJUSTABLE PULLEY 200kg |                    |
| 3    | A3219                                          | 02940       | 1         | ROD CREMONE RAPID                        |                    |
| 4*   | A3203                                          | 02929       | 2         | CLOSING KIT FOR OPEN FRAME               |                    |
| 5    | A3218                                          | 02933       | 2         | SHOCK ABSORBER NO-LIFT CAPS (SLIDE)      |                    |
| 6    | A3217                                          | 02927       | 1         | KIT CENTRE PLUGS FOR 45mm                |                    |
| 7    | A3210                                          | 03524       |           | CONNECTION ROD                           |                    |
| 8    | G2204                                          | G2204       | 2         | WATER TRAPPING PLUG (PAIR)               |                    |
| 9    | A3215                                          | 02921       | 16        | PROFILE ALIGNMENT CORNER JOINT           |                    |
| 10   | A3208                                          | 02923N      | 8         | CORNER JOINT FOR SASH                    |                    |
| 11   | A3223                                          | 02954       | 1         | FIXED SASH KIT (SPACERS + COVER PLUGS)   |                    |
| 20   | A3231                                          | 02974       | 4         | SEALING PLATE FOR 90° FRAME              |                    |
| 12   | A3227                                          | 01058R      | 1         | PRIMA CREMONE RAPID                      | Balexco<br>Options |
| 13   | A3230                                          | 02948       | 1         | PRIMA WINDOW HANDLE                      |                    |
| 14   | A3202                                          | 02951       | 1         | INTERNAL DEVICE                          |                    |
| 15   | A3222                                          | 02952       | 1         | LOCK FOR DEVICE                          |                    |
| **   | LOCKING KIT FOR FIXED SASH (HIGH ANTI-BURGLAR) |             |           |                                          |                    |

Related profile refer to technical features. If mosquito screen required, please order 4pcs of 02922.

\* When  $H > 2100\text{mm}$ , add one more Closing Kit only if use handle 01057R or 01058R.

## CONFIGURATION

### Single Opening Sash Slide



#### HARDWARE LIST

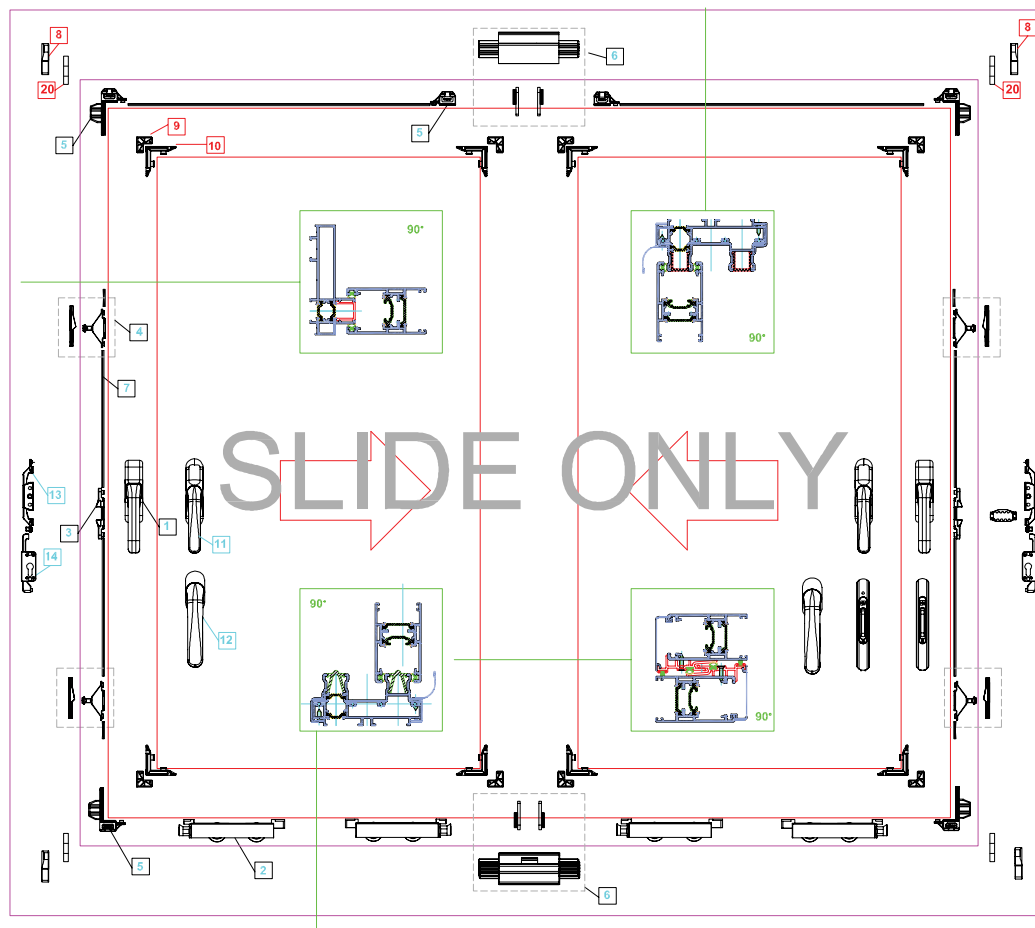
| Item                                              | Balexco Code | Giese Code | Pc<br>90° | Description                            |                    |
|---------------------------------------------------|--------------|------------|-----------|----------------------------------------|--------------------|
| 1                                                 | A3226        | 01057R     | 1         | EURO CREMONE RAPID                     | Balexco<br>Product |
| 2                                                 | A3211        | 02910      | 2         | CARRERA1 SINGLE ADJUSTABLE PULLEY 80kg |                    |
| 3                                                 | A3219        | 02940      | 1         | ROD CREMONE RAPID                      |                    |
| 4*                                                | A3203        | 02929      | 2         | CLOSING KIT FOR OPEN FRAME             |                    |
| 5                                                 | A3218        | 02933      | 2         | SHOCK ABSORBER NO-LIFT CAPS (SLIDE)    |                    |
| 6                                                 | A3217        | 02927      | 1         | KIT CENTRE PLUGS FOR 45mm              |                    |
| 7                                                 | A3210        | 03524      |           | CONNECTION ROD                         |                    |
| 8                                                 | G2204        | G2204      | 2         | WATER TRAPPING PLUG(PAIR)              |                    |
| 9                                                 | A3215        | 02921      | 16        | PROFILE ALIGNMENT CORNER JOINT         |                    |
| 10                                                | A3208        | 02923N     | 8         | CORNER JOINT FOR SASH                  |                    |
| 11                                                | A3223        | 02954      | 1         | FIXED SASH KIT (SPACERS + COVER PLUGS) | Balexco<br>Options |
| 20                                                | A3231        | 02974      | 4         | SEALING PLATE FOR 90° FRAME            |                    |
| 12                                                | A3227        | 01058R     | 1         | PRIMA CREMONE RAPID                    |                    |
| 13                                                | A3230        | 02948      | 1         | PRIMAWINDOW HANDLE                     |                    |
| 14                                                | A3202        | 02951      | 1         | INTERNAL DEVICE                        |                    |
| 15                                                | A3222        | 02952      | 1         | LOCK FOR DEVICE                        |                    |
| ** LOCKING KIT FOR FIXED SASH (HIGH ANTI-BURGLAR) |              |            |           |                                        |                    |

Related profile refer to technical features. If mosquito screen required, please order 4pcs of 02922.

\* When H> = 2100mm, add one more Closing Kit only if use handle 01057R or 01058R.

## CONFIGURATION

### Double Opening Sashes Slide (High Load)



#### HARDWARE LIST

| Item | Balexco Code | Giesse Code | Pc<br>90° | Description                                    |                    |
|------|--------------|-------------|-----------|------------------------------------------------|--------------------|
| 1    | A3226        | 01057R      | 2         | EURO CREMONE RAPID                             | Balexco<br>Product |
| 2    | A3212        | 02911       | 4         | CARRERA 2 DOUBLE ADJUSTABLE PULLEY200kg        |                    |
| 3    | A3219        | 02940       | 2         | ROD CREMONE RAPID                              |                    |
| 4*   | A3203        | 02929       | 2         | CLOSING KIT FOR OPEN FRAME                     |                    |
| 5    | A3218        | 02933       | 2         | SHOCK ABSORBER NO-LIFT CAPS (SLIDE )           |                    |
| 6    | A3217        | 02927       | 1         | KIT CENTRE PLUGS FOR 45 mm                     |                    |
| 7    | A3210        | 03524       |           | CONNECTION ROD                                 |                    |
| 8    | G2204        | G2204       | 2         | WATER TRAPPING PLUG (PAIR)                     |                    |
| 9    | A3215        | 02921       | 16        | PROFILE ALIGNMENT CORNER JOINT                 |                    |
| 10   | A3208        | 02923N      | 8         | CORNER JOINT FOR SASH                          |                    |
| 20   | A3231        | 02974       | 4         | SEALING PLATE FOR 90° FRAME                    |                    |
| 11   | A3227        | 01058R      | 2         | PRIMA CREMONE RAPID                            | Balexco<br>Options |
| 12   | A3230        | 02948       | 2         | PRIMA WINDOW HANDLE                            |                    |
| 13   | A3202        | 02951       | 2         | INTERNAL DEVICE                                |                    |
| 14   | A3222        | 02952       | 2         | LOCK FOR DEVICE                                |                    |
| **   |              |             |           | LOCKING KIT FOR FIXED SASH (HIGH ANTI-BURGLAR) |                    |

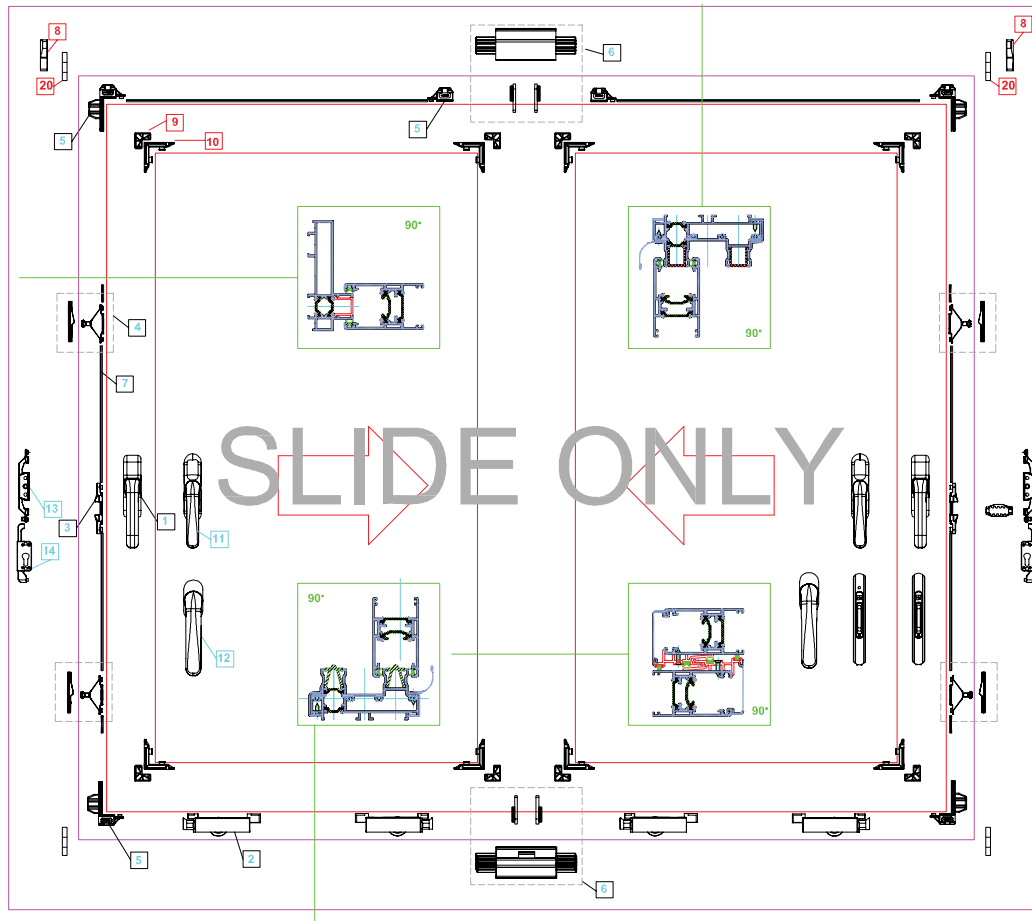
Related profile refer to technical features. If mosquito screen required, please order 4pcs of 02922.

\* When H > 2100mm, add one more Closing Kit only if use handle 01057R or 01058R.

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## CONFIGURATION

### Double Opening Sash Slide



### HARDWARE LIST

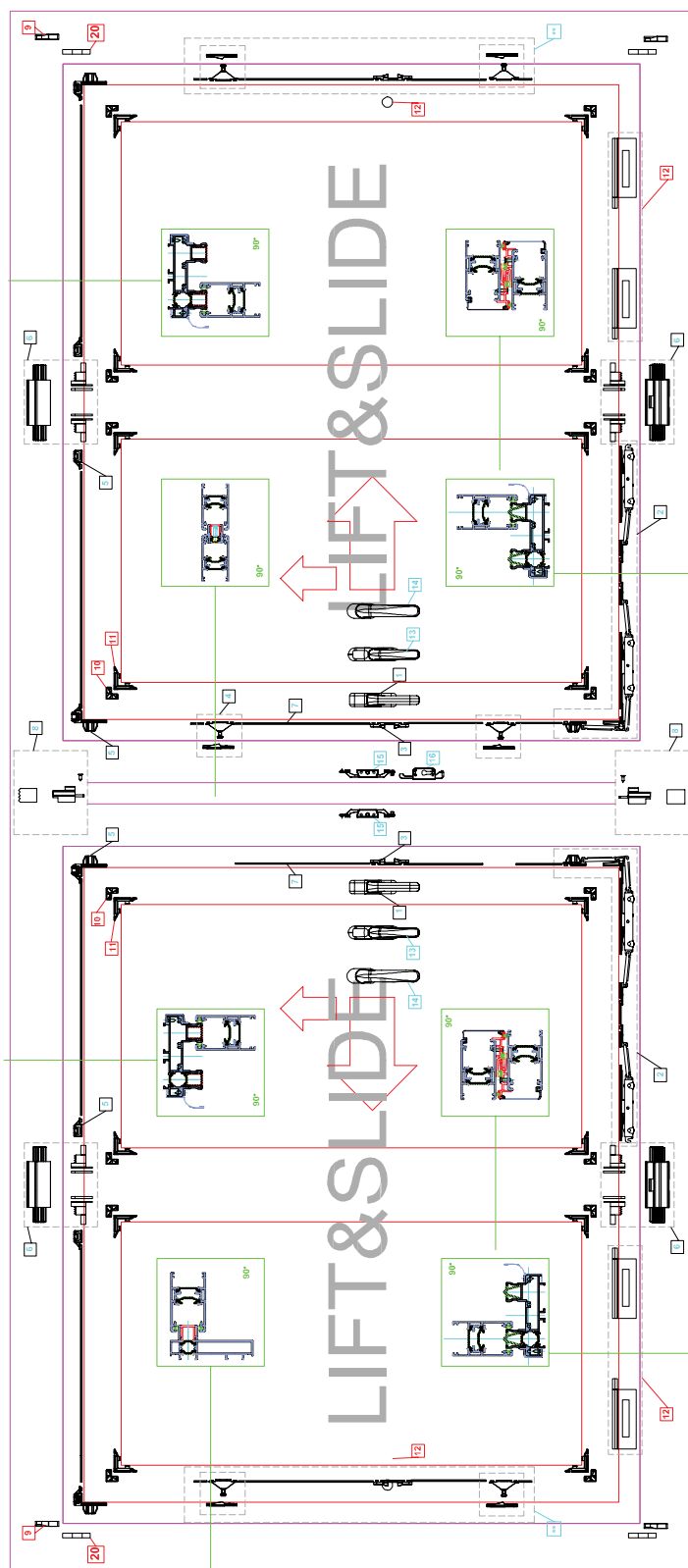
| Item | Balexco Code                                   | Giesse Code | Pc<br>90° | Description                             |                    |
|------|------------------------------------------------|-------------|-----------|-----------------------------------------|--------------------|
| 1    | A3226                                          | 01057R      | 2         | EURO CREMONE RAPID                      | Balexco<br>Product |
| 2    | A3211                                          | 02910       | 4         | CARRERA 1 SINGLE ADJUSTABLE PULLEY 80kg |                    |
| 3    | A3219                                          | 02940       | 2         | ROD CREMONE RAPID                       |                    |
| 4*   | A3203                                          | 02929       | 2         | CLOSING KIT FOR OPEN FRAME              |                    |
| 5    | A3218                                          | 02933       | 2         | SHOCK ABSORBER NO-LIFT CAPS (SLIDE)     |                    |
| 6    | A3217                                          | 02927       | 1         | KIT CENTRE PLUGS FOR 45mm               |                    |
| 7    | A3210                                          | 03524       |           | CONNECTION ROD                          |                    |
| 8    | G2204                                          | G2204       | 2         | WATER TRAPPING PLUG (PAIR)              |                    |
| 9    | A3215                                          | 02921       | 16        | PROFILE ALIGNMENT CORNER JOINT          |                    |
| 10   | A3208                                          | 02923N      | 8         | CORNER JOINT FOR SASH                   |                    |
| 20   | A3231                                          | 02974       | 4         | SEALING PLATE FOR 90° FRAME             |                    |
| 11   | A3227                                          | 01058R      | 2         | PRIMA CREMONE RAPID                     | Balexco<br>Options |
| 12   | A3230                                          | 02948       | 2         | PRIMA WINDOW HANDLE                     |                    |
| 13   | A3202                                          | 02951       | 2         | INTERNAL DEVICE                         |                    |
| 14   | A3222                                          | 02952       | 2         | LOCK FOR DEVICE                         |                    |
| **   | LOCKING KIT FOR FIXED SASH (HIGH ANTI-BURGLAR) |             |           |                                         |                    |

Related profile refer to technical features. If mosquito screen required, please order 4pcs of 02922.

\* When H > 2100mm, add one more Closing Kit only if use handle 01057R or 01058R.

## CONFIGURATION

Double Opening Four Sashes Lift & Slide (High Load)



## CONFIGURATION

## Double Opening Four Sashes Lift &amp; Slide(High Load)

| HARDWARE LIST |                                                |             |    |     | Description                                   | Balexco Product |
|---------------|------------------------------------------------|-------------|----|-----|-----------------------------------------------|-----------------|
| Item          | Balexco Code                                   | Giesse Code | Pc | 90° |                                               |                 |
| 1             | A3226                                          | 01057R      | 2  |     | EURO CREMONE RAPID                            |                 |
| 2             | A3214                                          | 02913       | 2  |     | PULLEY L&S (2 WHEELS) 200kg                   |                 |
| 3             | A3219                                          | 02940       | 2  |     | ROD CREMONE RAPID                             |                 |
| 4*            | A3203                                          | 02929       | 2  |     | CLOSING KIT FOR OPEN FRAME                    |                 |
| 5             | A3205                                          | 02939       | 4  |     | SHOCK ABSORBER NO-LIFT CAPS (L&S)             |                 |
| 6             | A3206                                          | 02936N      | 2  |     | KIT CENTRE PLUGS FOR                          |                 |
| 7             | A3210                                          | 03524       |    |     | CONNECTION ROD                                |                 |
| 8             | A3221                                          | 02947       | 1  |     | PLUG FOR FOUR SASHES CONNECTION               |                 |
| 9             | G2204                                          | G2204       | 2  |     | WATER TRAPPING PLUG (PAIR) T-REX BALEXCO ITEM |                 |
| 10            | A3215                                          | 02921       | 32 |     | PROFILE ALIGNMENT CORNER JOINT                |                 |
| 11            | A3208                                          | 02923N      | 16 |     | CORNER JOINT FOR SASH                         |                 |
| 12            | A3223                                          | 02954       | 2  |     | FIXED SASH KIT (SPACERS + COVER PLUGS)        |                 |
| 20            | A3231                                          | 02974       | 4  |     | SEALING PLATE FOR 90° FRAME                   |                 |
| 13            | A3227                                          | 01058R      | 2  |     | PRIMA CREMONE RAPID                           | Balexco Options |
| 14            | A3230                                          | 02948       | 2  |     | PRIMA WINDOW HANDLE                           |                 |
| 15            | A3202                                          | 02951       | 2  |     | INTERNAL DEVICE                               |                 |
| 16            | A3222                                          | 02952       | 1  |     | LOCK FOR DEVICE                               |                 |
| **            | LOCKING KIT FOR FIXED SASH (HIGH ANTI-BURGLAR) |             |    |     |                                               |                 |

Related profile refer to technical features. If mosquito screen required, please order 4pcs of 02922.

\* When H >= 2100mm, add one more Closing Kit



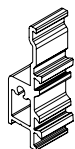
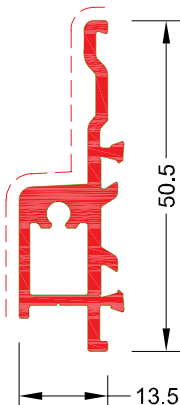
# TECHNICAL

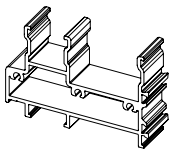
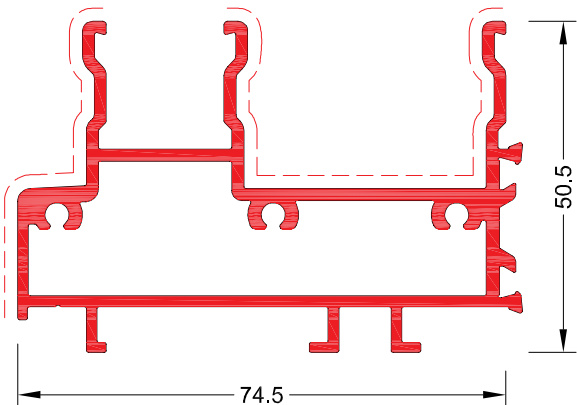
## Features

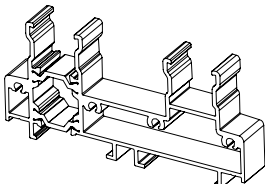
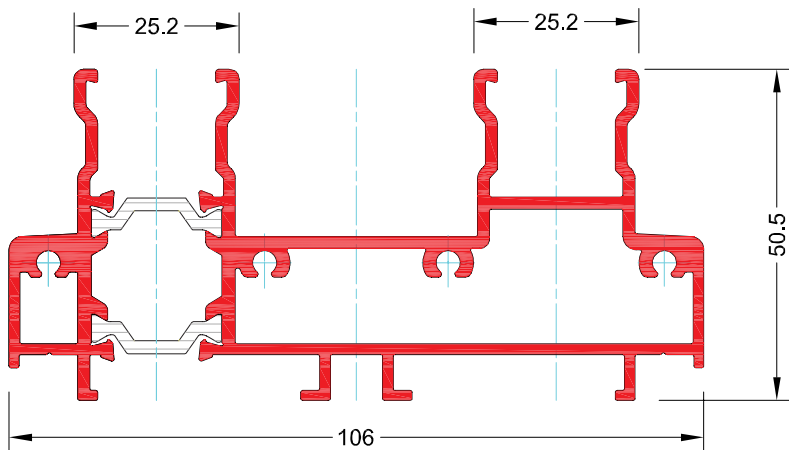
- Luxury System's device and thermal bars are suitable for extreme weather conditions
- Luxury System's patent design reduces the energy transfer along longitude direction on the frame which is extremely excellent for heat insulation
- Luxury System's patent design, using one-way valve drainage principle, ensure extremely excellent water tightness
- Extremely excellent performance in air permeability & noise reduction



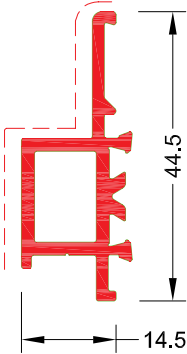
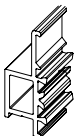
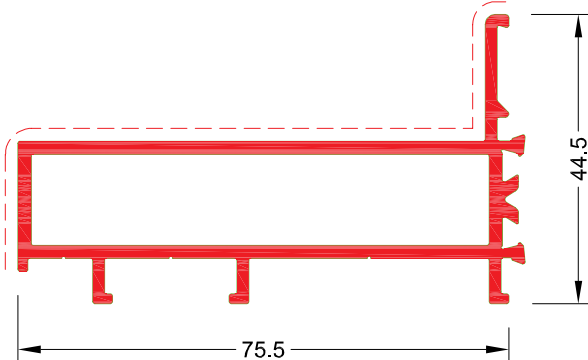
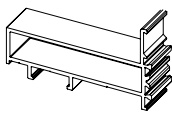
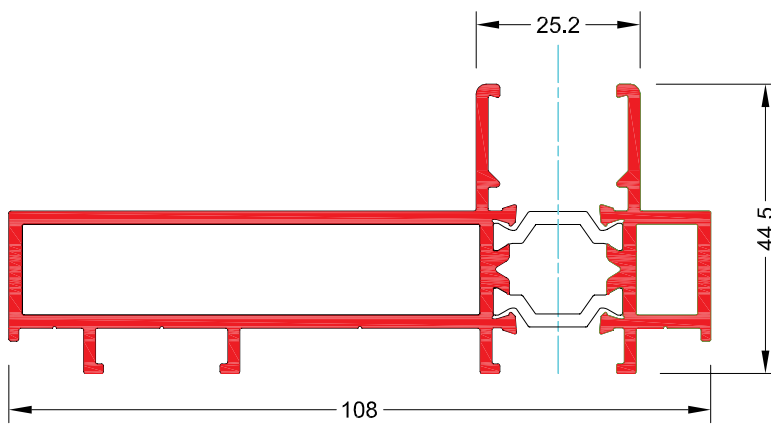
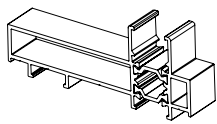
## PROFILE & ACCESSORIES

|                                                                                   |                   |        |
|-----------------------------------------------------------------------------------|-------------------|--------|
| Description                                                                       | Frame 90° Profile |        |
| Code                                                                              | E6101             |        |
| Weight                                                                            | 0.589 kg/m        |        |
| Thickness                                                                         | 1.8 mm            |        |
| Dimension                                                                         | 13.5 50.5         |        |
| Material                                                                          | Alloy 6063        |        |
| Perimeter                                                                         | Ext               | 164 mm |
|                                                                                   | Int               | 48 mm  |
|  |                   |        |
|  |                   |        |

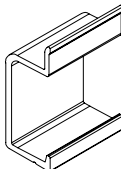
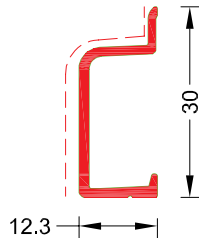
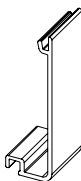
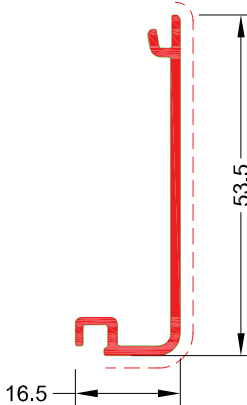
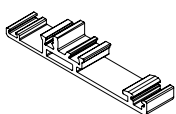
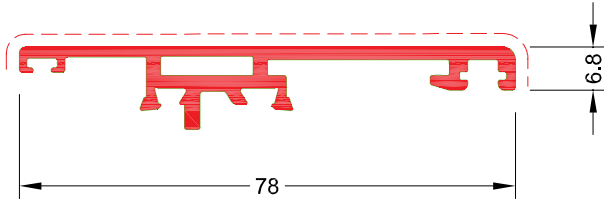
|                                                                                      |                   |        |
|--------------------------------------------------------------------------------------|-------------------|--------|
| Description                                                                          | Frame 90° Profile |        |
| Code                                                                                 | E6102             |        |
| Weight                                                                               | 1.712 kg/m        |        |
| Thickness                                                                            | 1.8 mm            |        |
| Dimension                                                                            | 74.5 50.5         |        |
| Material                                                                             | Alloy 6063        |        |
| Perimeter                                                                            | Ext               | 416 mm |
|                                                                                      | Int               | 212 mm |
|   |                   |        |
|  |                   |        |

|                                                                                      |              |                                                                                           |
|--------------------------------------------------------------------------------------|--------------|-------------------------------------------------------------------------------------------|
| Description                                                                          | Frame 90°    |                                                                                           |
| Code                                                                                 | E6201        |                                                                                           |
| Weight                                                                               | 2.301 kg/m   |                                                                                           |
| Thickness                                                                            | 1.8 mm       |                                                                                           |
| Dimension                                                                            | 106 50.5     |                                                                                           |
| Material                                                                             | Alloy 6063   |                                                                                           |
| Thermal isolation bar                                                                | 20mm         |  i2150 |
|                                                                                      | 20mm         |  i2150 |
|                                                                                      | PA 66 + GF25 |                                                                                           |
|   |              |                                                                                           |
|  |              |                                                                                           |

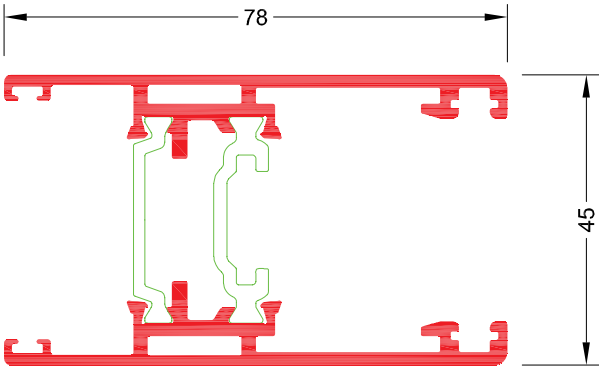
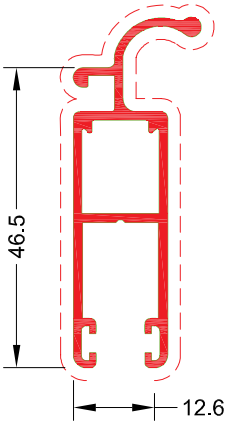
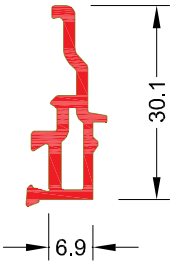
## PROFILE & ACCESSORIES

|                                                                                                                     |                                                                                                                                                                                                                                |                                                                                                                         |
|---------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Description                                                                                                         | Frame Upright                                                                                                                                                                                                                  |  <p>44.5</p> <p>14.5</p>               |
| Code                                                                                                                | <b>E6103</b>                                                                                                                                                                                                                   |                                                                                                                         |
| Weight                                                                                                              | 0.527 kg/m                                                                                                                                                                                                                     |                                                                                                                         |
| Thickness                                                                                                           | 1.8 mm                                                                                                                                                                                                                         |                                                                                                                         |
| Dimension                                                                                                           | 14.5 44.5                                                                                                                                                                                                                      |                                                                                                                         |
| Material                                                                                                            | Alloy 6063                                                                                                                                                                                                                     |                                                                                                                         |
| Perimeter                                                                                                           | Ext 155 mm<br>Int 46 mm                                                                                                                                                                                                        |                                                                                                                         |
|  <p>Assembly with <b>E6104</b></p> |                                                                                                                                                                                                                                |                                                                                                                         |
| Description                                                                                                         | Frame Upright                                                                                                                                                                                                                  |  <p>44.5</p> <p>75.5</p>            |
| Code                                                                                                                | <b>E6104</b>                                                                                                                                                                                                                   |                                                                                                                         |
| Weight                                                                                                              | 0.589 kg/m                                                                                                                                                                                                                     |                                                                                                                         |
| Thickness                                                                                                           | 1.8 mm                                                                                                                                                                                                                         |                                                                                                                         |
| Dimension                                                                                                           | 75.5 44.5                                                                                                                                                                                                                      |                                                                                                                         |
| Material                                                                                                            | Alloy 6063                                                                                                                                                                                                                     |                                                                                                                         |
| Perimeter                                                                                                           | Ext 309 mm<br>Int 168 mm                                                                                                                                                                                                       |                                                                                                                         |
|                                  |                                                                                                                                                                                                                                |                                                                                                                         |
| Description                                                                                                         | Frame Upright                                                                                                                                                                                                                  |  <p>25.2</p> <p>44.5</p> <p>108</p> |
| Code                                                                                                                | <b>E6202</b>                                                                                                                                                                                                                   |                                                                                                                         |
| Weight                                                                                                              | 1.116 kg/m                                                                                                                                                                                                                     |                                                                                                                         |
| Thickness                                                                                                           | 1.8 mm                                                                                                                                                                                                                         |                                                                                                                         |
| Dimension                                                                                                           | 75.5 44.5                                                                                                                                                                                                                      |                                                                                                                         |
| Material                                                                                                            | Alloy 6063                                                                                                                                                                                                                     |                                                                                                                         |
| Perimeter                                                                                                           | Ext 309 mm<br>Int 168 mm                                                                                                                                                                                                       |                                                                                                                         |
| Thermal isolation bar                                                                                               | 20mm  <b>i2150</b><br>20mm  <b>i2150</b><br>PA 66 + GF25 |                                                                                                                         |
|                                  |                                                                                                                                                                                                                                |                                                                                                                         |

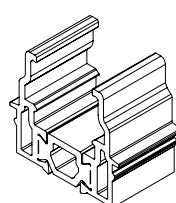
## PROFILE & ACCESSORIES

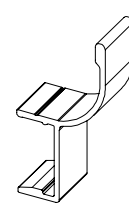
|             |                         |                                                                                                                                                                          |
|-------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description | Decoration Profile      |        |
| Code        | <b>E6105</b>            |                                                                                                                                                                          |
| Weight      | 0.205 kg/m              |                                                                                                                                                                          |
| Thickness   | 1.6 mm                  |                                                                                                                                                                          |
| Dimension   | 12.3 30                 |                                                                                                                                                                          |
| Material    | Alloy 6063              |                                                                                                                                                                          |
| Perimeter   | Ext 105 mm              |                                                                                                                                                                          |
| Description | Central Labyrinth       |    |
| Code        | <b>E6106</b>            |                                                                                                                                                                          |
| Weight      | 0.316 kg/m              |                                                                                                                                                                          |
| Thickness   | 1.3 mm                  |                                                                                                                                                                          |
| Dimension   | 16.5 53.5               |                                                                                                                                                                          |
| Material    | Alloy 6063              |                                                                                                                                                                          |
| Perimeter   | Ext 163 mm              |                                                                                                                                                                          |
| Description | Sash Profile            |   |
| Code        | <b>E6107</b>            |                                                                                                                                                                          |
| Weight      | 0.729 kg/m              |                                                                                                                                                                          |
| Thickness   | 1.8 mm                  |                                                                                                                                                                          |
| Dimension   | 78 6.8                  |                                                                                                                                                                          |
| Material    | Alloy 6063              |                                                                                                                                                                          |
| Perimeter   | Ext 248 mm<br>Int 35 mm |                                                                                                                                                                          |

## PROFILE & ACCESSORIES

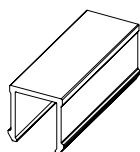
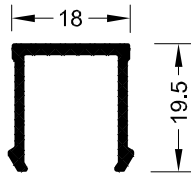
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                    |                    |  |      |              |  |        |            |  |           |        |  |           |           |  |          |            |  |                       |            |       |           |       |                                                                                     |  |                                                                                    |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|--------------------|--|------|--------------|--|--------|------------|--|-----------|--------|--|-----------|-----------|--|----------|------------|--|-----------------------|------------|-------|-----------|-------|-------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------|--|
| <table border="1"> <tr> <td>Description</td><td colspan="2">Sash Profile</td></tr> <tr> <td>Code</td><td colspan="2"><b>E6203</b></td></tr> <tr> <td>Weight</td><td colspan="2">1.458 kg/m</td></tr> <tr> <td>Thickness</td><td colspan="2">1.8 mm</td></tr> <tr> <td>Dimension</td><td colspan="2">78 45</td></tr> <tr> <td>Material</td><td colspan="2">Alloy 6063</td></tr> <tr> <td rowspan="3">Thermal isolation bar</td><td>32mm</td><td>i2152</td></tr> <tr> <td>32mm</td><td>i2151</td></tr> <tr> <td colspan="2">PA 66 + GF25</td></tr> </table> | Description        | Sash Profile       |  | Code | <b>E6203</b> |  | Weight | 1.458 kg/m |  | Thickness | 1.8 mm |  | Dimension | 78 45     |  | Material | Alloy 6063 |  | Thermal isolation bar | 32mm       | i2152 | 32mm      | i2151 | PA 66 + GF25                                                                        |  |  |  |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Sash Profile       |                    |  |      |              |  |        |            |  |           |        |  |           |           |  |          |            |  |                       |            |       |           |       |                                                                                     |  |                                                                                    |  |
| Code                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>E6203</b>       |                    |  |      |              |  |        |            |  |           |        |  |           |           |  |          |            |  |                       |            |       |           |       |                                                                                     |  |                                                                                    |  |
| Weight                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1.458 kg/m         |                    |  |      |              |  |        |            |  |           |        |  |           |           |  |          |            |  |                       |            |       |           |       |                                                                                     |  |                                                                                    |  |
| Thickness                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1.8 mm             |                    |  |      |              |  |        |            |  |           |        |  |           |           |  |          |            |  |                       |            |       |           |       |                                                                                     |  |                                                                                    |  |
| Dimension                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 78 45              |                    |  |      |              |  |        |            |  |           |        |  |           |           |  |          |            |  |                       |            |       |           |       |                                                                                     |  |                                                                                    |  |
| Material                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Alloy 6063         |                    |  |      |              |  |        |            |  |           |        |  |           |           |  |          |            |  |                       |            |       |           |       |                                                                                     |  |                                                                                    |  |
| Thermal isolation bar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 32mm               | i2152              |  |      |              |  |        |            |  |           |        |  |           |           |  |          |            |  |                       |            |       |           |       |                                                                                     |  |                                                                                    |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 32mm               | i2151              |  |      |              |  |        |            |  |           |        |  |           |           |  |          |            |  |                       |            |       |           |       |                                                                                     |  |                                                                                    |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | PA 66 + GF25       |                    |  |      |              |  |        |            |  |           |        |  |           |           |  |          |            |  |                       |            |       |           |       |                                                                                     |  |                                                                                    |  |
| <table border="1"> <tr> <td>Description</td><td colspan="2">Mosquito Profile</td></tr> <tr> <td>Code</td><td colspan="2"><b>E6108</b></td></tr> <tr> <td>Weight</td><td colspan="2">0.543 kg/m</td></tr> <tr> <td>Thickness</td><td colspan="2">1.3 mm</td></tr> <tr> <td>Dimension</td><td colspan="2">14.6 46.5</td></tr> <tr> <td>Material</td><td colspan="2">Alloy 6063</td></tr> <tr> <td rowspan="2">Perimeter</td><td colspan="2">Ext 238 mm</td></tr> <tr> <td colspan="2">Int 54 mm</td></tr> </table>                                          | Description        | Mosquito Profile   |  | Code | <b>E6108</b> |  | Weight | 0.543 kg/m |  | Thickness | 1.3 mm |  | Dimension | 14.6 46.5 |  | Material | Alloy 6063 |  | Perimeter             | Ext 238 mm |       | Int 54 mm |       |  |  |                                                                                    |  |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Mosquito Profile   |                    |  |      |              |  |        |            |  |           |        |  |           |           |  |          |            |  |                       |            |       |           |       |                                                                                     |  |                                                                                    |  |
| Code                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>E6108</b>       |                    |  |      |              |  |        |            |  |           |        |  |           |           |  |          |            |  |                       |            |       |           |       |                                                                                     |  |                                                                                    |  |
| Weight                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0.543 kg/m         |                    |  |      |              |  |        |            |  |           |        |  |           |           |  |          |            |  |                       |            |       |           |       |                                                                                     |  |                                                                                    |  |
| Thickness                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1.3 mm             |                    |  |      |              |  |        |            |  |           |        |  |           |           |  |          |            |  |                       |            |       |           |       |                                                                                     |  |                                                                                    |  |
| Dimension                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 14.6 46.5          |                    |  |      |              |  |        |            |  |           |        |  |           |           |  |          |            |  |                       |            |       |           |       |                                                                                     |  |                                                                                    |  |
| Material                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Alloy 6063         |                    |  |      |              |  |        |            |  |           |        |  |           |           |  |          |            |  |                       |            |       |           |       |                                                                                     |  |                                                                                    |  |
| Perimeter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Ext 238 mm         |                    |  |      |              |  |        |            |  |           |        |  |           |           |  |          |            |  |                       |            |       |           |       |                                                                                     |  |                                                                                    |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Int 54 mm          |                    |  |      |              |  |        |            |  |           |        |  |           |           |  |          |            |  |                       |            |       |           |       |                                                                                     |  |                                                                                    |  |
| <table border="1"> <tr> <td>Description</td><td colspan="2">Connection Profile</td></tr> <tr> <td>Code</td><td colspan="2"><b>E6109</b></td></tr> <tr> <td>Weight</td><td colspan="2">0.308 kg/m</td></tr> <tr> <td>Thickness</td><td colspan="2">1.5 mm</td></tr> <tr> <td>Dimension</td><td colspan="2">6.9 30.1</td></tr> <tr> <td>Material</td><td colspan="2">Alloy 6063</td></tr> <tr> <td rowspan="2">Perimeter</td><td colspan="2">Ext 98 mm</td></tr> <tr> <td colspan="2">Int 31 mm</td></tr> </table>                                          | Description        | Connection Profile |  | Code | <b>E6109</b> |  | Weight | 0.308 kg/m |  | Thickness | 1.5 mm |  | Dimension | 6.9 30.1  |  | Material | Alloy 6063 |  | Perimeter             | Ext 98 mm  |       | Int 31 mm |       |  |  |                                                                                    |  |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Connection Profile |                    |  |      |              |  |        |            |  |           |        |  |           |           |  |          |            |  |                       |            |       |           |       |                                                                                     |  |                                                                                    |  |
| Code                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>E6109</b>       |                    |  |      |              |  |        |            |  |           |        |  |           |           |  |          |            |  |                       |            |       |           |       |                                                                                     |  |                                                                                    |  |
| Weight                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0.308 kg/m         |                    |  |      |              |  |        |            |  |           |        |  |           |           |  |          |            |  |                       |            |       |           |       |                                                                                     |  |                                                                                    |  |
| Thickness                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1.5 mm             |                    |  |      |              |  |        |            |  |           |        |  |           |           |  |          |            |  |                       |            |       |           |       |                                                                                     |  |                                                                                    |  |
| Dimension                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 6.9 30.1           |                    |  |      |              |  |        |            |  |           |        |  |           |           |  |          |            |  |                       |            |       |           |       |                                                                                     |  |                                                                                    |  |
| Material                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Alloy 6063         |                    |  |      |              |  |        |            |  |           |        |  |           |           |  |          |            |  |                       |            |       |           |       |                                                                                     |  |                                                                                    |  |
| Perimeter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Ext 98 mm          |                    |  |      |              |  |        |            |  |           |        |  |           |           |  |          |            |  |                       |            |       |           |       |                                                                                     |  |                                                                                    |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Int 31 mm          |                    |  |      |              |  |        |            |  |           |        |  |           |           |  |          |            |  |                       |            |       |           |       |                                                                                     |  |                                                                                    |  |

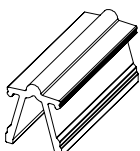
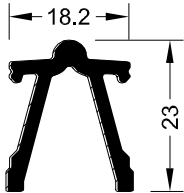
## PROFILE & ACCESSORIES

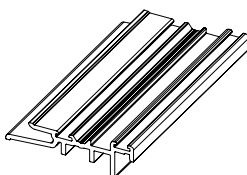
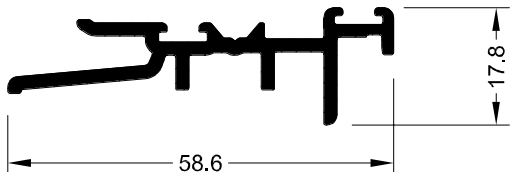
|                                                                                   |                    |                                                                                   |       |
|-----------------------------------------------------------------------------------|--------------------|-----------------------------------------------------------------------------------|-------|
| Description                                                                       | Connection Profile |                                                                                   |       |
| Code                                                                              | E6204              |                                                                                   |       |
| Weight                                                                            | 0.616 kg/m         |                                                                                   |       |
| Thickness                                                                         | 1.5 mm             |                                                                                   |       |
| Dimension                                                                         | 30,8 30,1          |                                                                                   |       |
| Material                                                                          | Alloy 6063         |                                                                                   |       |
| Thermal isolation bar                                                             | 17mm               |  | i2156 |
|                                                                                   | PA 66 + GF25       |                                                                                   |       |
|  |                    |                                                                                   |       |

|                                                                                     |                         |  |  |
|-------------------------------------------------------------------------------------|-------------------------|--|--|
| Description                                                                         | Mosquito Screen Profile |  |  |
| Code                                                                                | E6110                   |  |  |
| Weight                                                                              | 0.362 kg/m              |  |  |
| Thickness                                                                           | 1.5 mm                  |  |  |
| Dimension                                                                           | 25,3 50,4               |  |  |
| Material                                                                            | Alloy 6063              |  |  |
| Perimeter                                                                           | Ext 152 mm              |  |  |
|  |                         |  |  |

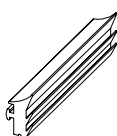
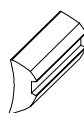
## PROFILE & ACCESSORIES

|                                                                                    |                    |
|------------------------------------------------------------------------------------|--------------------|
| Description                                                                        | Decoration Profile |
| Code                                                                               | <b>i2154</b>       |
| Weight                                                                             | 0.127 kg/m         |
| Material                                                                           | <b>PA66</b>        |
|   |                    |
|  |                    |

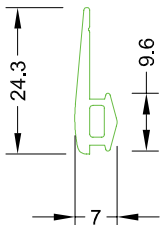
|                                                                                     |              |
|-------------------------------------------------------------------------------------|--------------|
| Description                                                                         | Guide        |
| Code                                                                                | <b>i2155</b> |
| Weight                                                                              | 0.179 kg/m   |
| Material                                                                            | PA66 +GF25   |
|  |              |
|  |              |

|                                                                                      |              |
|--------------------------------------------------------------------------------------|--------------|
| Description                                                                          | Interlock    |
| Code                                                                                 | <b>i2153</b> |
| Weight                                                                               | 0.304 kg/m   |
| Material                                                                             | PA66 + GF25  |
|   |              |
|  |              |

## PROFILE & ACCESSORIES

|                                                                                   |  |                        |  |                                                                                   |  |                       |  |
|-----------------------------------------------------------------------------------|--|------------------------|--|-----------------------------------------------------------------------------------|--|-----------------------|--|
| Description                                                                       |  | Glazing Gasket outdoor |  | Description                                                                       |  | Glazing Gasket indoor |  |
| Code                                                                              |  | G2205                  |  | Code                                                                              |  | G2206                 |  |
| Weight                                                                            |  | 0.083 kg/m             |  | Weight                                                                            |  | 0.094 kg/m            |  |
| Material                                                                          |  | EPDM                   |  | Material                                                                          |  | EPDM                  |  |
| Scale                                                                             |  | 1:1                    |  | Scale                                                                             |  | 1:1                   |  |
|  |  |                        |  |  |  |                       |  |

|                                                                                     |  |             |  |                                                                                     |  |       |  |
|-------------------------------------------------------------------------------------|--|-------------|--|-------------------------------------------------------------------------------------|--|-------|--|
| Description                                                                         |  | Seal Gasket |  | Description                                                                         |  | Brush |  |
| Code                                                                                |  | G2201       |  | Code                                                                                |  | G2203 |  |
| Weight                                                                              |  | —           |  | Weight                                                                              |  | —     |  |
| Material                                                                            |  | EPDM        |  | Material                                                                            |  | —     |  |
| Scale                                                                               |  | 1:1         |  | Scale                                                                               |  | 1:1   |  |
|  |  |             |  |  |  |       |  |

|                                                                                     |  |                        |  |                                                                                     |  |  |  |
|-------------------------------------------------------------------------------------|--|------------------------|--|-------------------------------------------------------------------------------------|--|--|--|
| Description                                                                         |  | Mosquito Screen Gasket |  | Description                                                                         |  |  |  |
| Code                                                                                |  | G2202                  |  | Code                                                                                |  |  |  |
| Weight                                                                              |  | —                      |  | Weight                                                                              |  |  |  |
| Material                                                                            |  | EPDM                   |  | Material                                                                            |  |  |  |
| Scale                                                                               |  | 1:1                    |  | Scale                                                                               |  |  |  |
|  |  |                        |  |  |  |  |  |

|                                                                                     |  |             |  |                                                                                     |  |       |  |
|-------------------------------------------------------------------------------------|--|-------------|--|-------------------------------------------------------------------------------------|--|-------|--|
| Description                                                                         |  | Seal Gasket |  | Description                                                                         |  | Brush |  |
| Code                                                                                |  | G2201       |  | Code                                                                                |  | G2203 |  |
| Weight                                                                              |  | —           |  | Weight                                                                              |  | —     |  |
| Material                                                                            |  | EPDM        |  | Material                                                                            |  | —     |  |
| Scale                                                                               |  | 1:1         |  | Scale                                                                               |  | 1:1   |  |
|  |  |             |  |  |  |       |  |

|                                                                                     |  |             |  |                                                                                     |  |       |  |
|-------------------------------------------------------------------------------------|--|-------------|--|-------------------------------------------------------------------------------------|--|-------|--|
| Description                                                                         |  | Seal Gasket |  | Description                                                                         |  | Brush |  |
| Code                                                                                |  | G2201       |  | Code                                                                                |  | G2203 |  |
| Weight                                                                              |  | —           |  | Weight                                                                              |  | —     |  |
| Material                                                                            |  | EPDM        |  | Material                                                                            |  | —     |  |
| Scale                                                                               |  | 1:1         |  | Scale                                                                               |  | 1:1   |  |
|  |  |             |  |  |  |       |  |

|                                                                                     |  |             |  |                                                                                     |  |       |  |
|-------------------------------------------------------------------------------------|--|-------------|--|-------------------------------------------------------------------------------------|--|-------|--|
| Description                                                                         |  | Seal Gasket |  | Description                                                                         |  | Brush |  |
| Code                                                                                |  | G2201       |  | Code                                                                                |  | G2203 |  |
| Weight                                                                              |  | —           |  | Weight                                                                              |  | —     |  |
| Material                                                                            |  | EPDM        |  | Material                                                                            |  | —     |  |
| Scale                                                                               |  | 1:1         |  | Scale                                                                               |  | 1:1   |  |
|  |  |             |  |  |  |       |  |

|                                                                                     |  |             |  |                                                                                     |  |       |  |
|-------------------------------------------------------------------------------------|--|-------------|--|-------------------------------------------------------------------------------------|--|-------|--|
| Description                                                                         |  | Seal Gasket |  | Description                                                                         |  | Brush |  |
| Code                                                                                |  | G2201       |  | Code                                                                                |  | G2203 |  |
| Weight                                                                              |  | —           |  | Weight                                                                              |  | —     |  |
| Material                                                                            |  | EPDM        |  | Material                                                                            |  | —     |  |
| Scale                                                                               |  | 1:1         |  | Scale                                                                               |  | 1:1   |  |
|  |  |             |  |  |  |       |  |

|                                                                                     |  |             |  |                                                                                     |  |       |  |
|-------------------------------------------------------------------------------------|--|-------------|--|-------------------------------------------------------------------------------------|--|-------|--|
| Description                                                                         |  | Seal Gasket |  | Description                                                                         |  | Brush |  |
| Code                                                                                |  | G2201       |  | Code                                                                                |  | G2203 |  |
| Weight                                                                              |  | —           |  | Weight                                                                              |  | —     |  |
| Material                                                                            |  | EPDM        |  | Material                                                                            |  | —     |  |
| Scale                                                                               |  | 1:1         |  | Scale                                                                               |  | 1:1   |  |
|  |  |             |  |  |  |       |  |

|                                                                                     |  |             |  |                                                                                     |  |       |  |
|-------------------------------------------------------------------------------------|--|-------------|--|-------------------------------------------------------------------------------------|--|-------|--|
| Description                                                                         |  | Seal Gasket |  | Description                                                                         |  | Brush |  |
| Code                                                                                |  | G2201       |  | Code                                                                                |  | G2203 |  |
| Weight                                                                              |  | —           |  | Weight                                                                              |  | —     |  |
| Material                                                                            |  | EPDM        |  | Material                                                                            |  | —     |  |
| Scale                                                                               |  | 1:1         |  | Scale                                                                               |  | 1:1   |  |
|  |  |             |  |  |  |       |  |

|                                                                                     |  |             |  |                                                                                     |  |       |  |
|-------------------------------------------------------------------------------------|--|-------------|--|-------------------------------------------------------------------------------------|--|-------|--|
| Description                                                                         |  | Seal Gasket |  | Description                                                                         |  | Brush |  |
| Code                                                                                |  | G2201       |  | Code                                                                                |  | G2203 |  |
| Weight                                                                              |  | —           |  | Weight                                                                              |  | —     |  |
| Material                                                                            |  | EPDM        |  | Material                                                                            |  | —     |  |
| Scale                                                                               |  | 1:1         |  | Scale                                                                               |  | 1:1   |  |
|  |  |             |  |  |  |       |  |

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|-------------------------------------------------------------------------------------|--|-------------|--|-------------------------------------------------------------------------------------|--|-------|--|
| Description                                                                         |  | Seal Gasket |  | Description                                                                         |  | Brush |  |
| Code                                                                                |  | G2201       |  | Code                                                                                |  | G2203 |  |
| Weight                                                                              |  | —           |  | Weight                                                                              |  | —     |  |
| Material                                                                            |  | EPDM        |  | Material                                                                            |  | —     |  |
| Scale                                                                               |  | 1:1         |  | Scale                                                                               |  | 1:1   |  |
|  |  |             |  |  |  |       |  |

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|-------------------------------------------------------------------------------------|--|-------------|--|-------------------------------------------------------------------------------------|--|-------|--|
| Description                                                                         |  | Seal Gasket |  | Description                                                                         |  | Brush |  |
| Code                                                                                |  | G2201       |  | Code                                                                                |  | G2203 |  |
| Weight                                                                              |  | —           |  | Weight                                                                              |  | —     |  |
| Material                                                                            |  | EPDM        |  | Material                                                                            |  | —     |  |
| Scale                                                                               |  | 1:1         |  | Scale                                                                               |  | 1:1   |  |
|  |  |             |  |  |  |       |  |

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|-------------------------------------------------------------------------------------|--|-------------|--|-------------------------------------------------------------------------------------|--|-------|--|
| Description                                                                         |  | Seal Gasket |  | Description                                                                         |  | Brush |  |
| Code                                                                                |  | G2201       |  | Code                                                                                |  | G2203 |  |
| Weight                                                                              |  | —           |  | Weight                                                                              |  | —     |  |
| Material                                                                            |  | EPDM        |  | Material                                                                            |  | —     |  |
| Scale                                                                               |  | 1:1         |  | Scale                                                                               |  | 1:1   |  |
|  |  |             |  |  |  |       |  |

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|-------------------------------------------------------------------------------------|--|-------------|--|-------------------------------------------------------------------------------------|--|-------|--|
| Description                                                                         |  | Seal Gasket |  | Description                                                                         |  | Brush |  |
| Code                                                                                |  | G2201       |  | Code                                                                                |  | G2203 |  |
| Weight                                                                              |  | —           |  | Weight                                                                              |  | —     |  |
| Material                                                                            |  | EPDM        |  | Material                                                                            |  | —     |  |
| Scale                                                                               |  | 1:1         |  | Scale                                                                               |  | 1:1   |  |
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|-------------------------------------------------------------------------------------|--|-------------|--|-------------------------------------------------------------------------------------|--|-------|--|
| Description                                                                         |  | Seal Gasket |  | Description                                                                         |  | Brush |  |
| Code                                                                                |  | G2201       |  | Code                                                                                |  | G2203 |  |
| Weight                                                                              |  | —           |  | Weight                                                                              |  | —     |  |
| Material                                                                            |  | EPDM        |  | Material                                                                            |  | —     |  |
| Scale                                                                               |  | 1:1         |  | Scale                                                                               |  | 1:1   |  |
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|-------------------------------------------------------------------------------------|--|-------------|--|-------------------------------------------------------------------------------------|--|-------|--|
| Description                                                                         |  | Seal Gasket |  | Description                                                                         |  | Brush |  |
| Code                                                                                |  | G2201       |  | Code                                                                                |  | G2203 |  |
| Weight                                                                              |  | —           |  | Weight                                                                              |  | —     |  |
| Material                                                                            |  | EPDM        |  | Material                                                                            |  | —     |  |
| Scale                                                                               |  | 1:1         |  | Scale                                                                               |  | 1:1   |  |
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|-------------------------------------------------------------------------------------|--|-------------|--|-------------------------------------------------------------------------------------|--|-------|--|
| Description                                                                         |  | Seal Gasket |  | Description                                                                         |  | Brush |  |
| Code                                                                                |  | G2201       |  | Code                                                                                |  | G2203 |  |
| Weight                                                                              |  | —           |  | Weight                                                                              |  | —     |  |
| Material                                                                            |  | EPDM        |  | Material                                                                            |  | —     |  |
| Scale                                                                               |  | 1:1         |  | Scale                                                                               |  | 1:1   |  |
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|-------------------------------------------------------------------------------------|--|-------------|--|-------------------------------------------------------------------------------------|--|-------|--|
| Description                                                                         |  | Seal Gasket |  | Description                                                                         |  | Brush |  |
| Code                                                                                |  | G2201       |  | Code                                                                                |  | G2203 |  |
| Weight                                                                              |  | —           |  | Weight                                                                              |  | —     |  |
| Material                                                                            |  | EPDM        |  | Material                                                                            |  | —     |  |
| Scale                                                                               |  | 1:1         |  | Scale                                                                               |  | 1:1   |  |
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|-------------------------------------------------------------------------------------|--|-------------|--|-------------------------------------------------------------------------------------|--|-------|--|
| Description                                                                         |  | Seal Gasket |  | Description                                                                         |  | Brush |  |
| Code                                                                                |  | G2201       |  | Code                                                                                |  | G2203 |  |
| Weight                                                                              |  | —           |  | Weight                                                                              |  | —     |  |
| Material                                                                            |  | EPDM        |  | Material                                                                            |  | —     |  |
| Scale                                                                               |  | 1:1         |  | Scale                                                                               |  | 1:1   |  |
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|-------------------------------------------------------------------------------------|--|-------------|--|-------------------------------------------------------------------------------------|--|-------|--|
| Description                                                                         |  | Seal Gasket |  | Description                                                                         |  | Brush |  |
| Code                                                                                |  | G2201       |  | Code                                                                                |  | G2203 |  |
| Weight                                                                              |  | —           |  | Weight                                                                              |  | —     |  |
| Material                                                                            |  | EPDM        |  | Material                                                                            |  | —     |  |
| Scale                                                                               |  | 1:1         |  | Scale                                                                               |  | 1:1   |  |
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|-------------------------------------------------------------------------------------|--|-------------|--|-------------------------------------------------------------------------------------|--|-------|--|
| Description                                                                         |  | Seal Gasket |  | Description                                                                         |  | Brush |  |
| Code                                                                                |  | G2201       |  | Code                                                                                |  | G2203 |  |
| Weight                                                                              |  | —           |  | Weight                                                                              |  | —     |  |
| Material                                                                            |  | EPDM        |  | Material                                                                            |  | —     |  |
| Scale                                                                               |  | 1:1         |  | Scale                                                                               |  | 1:1   |  |
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|-------------------------------------------------------------------------------------|--|-------------|--|-------------------------------------------------------------------------------------|--|-------|--|
| Description                                                                         |  | Seal Gasket |  | Description                                                                         |  | Brush |  |
| Code                                                                                |  | G2201       |  | Code                                                                                |  | G2203 |  |
| Weight                                                                              |  | —           |  | Weight                                                                              |  | —     |  |
| Material                                                                            |  | EPDM        |  | Material                                                                            |  | —     |  |
| Scale                                                                               |  | 1:1         |  | Scale                                                                               |  | 1:1   |  |
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|-------------------------------------------------------------------------------------|--|-------------|--|-------------------------------------------------------------------------------------|--|-------|--|
| Description                                                                         |  | Seal Gasket |  | Description                                                                         |  | Brush |  |
| Code                                                                                |  | G2201       |  | Code                                                                                |  | G2203 |  |
| Weight                                                                              |  | —           |  | Weight                                                                              |  | —     |  |
| Material                                                                            |  | EPDM        |  | Material                                                                            |  | —     |  |
| Scale                                                                               |  | 1:1         |  | Scale                                                                               |  | 1:1   |  |
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|-------------------------------------------------------------------------------------|--|-------------|--|-------------------------------------------------------------------------------------|--|-------|--|
| Description                                                                         |  | Seal Gasket |  | Description                                                                         |  | Brush |  |
| Code                                                                                |  | G2201       |  | Code                                                                                |  | G2203 |  |
| Weight                                                                              |  | —           |  | Weight                                                                              |  | —     |  |
| Material                                                                            |  | EPDM        |  | Material                                                                            |  | —     |  |
| Scale                                                                               |  | 1:1         |  | Scale                                                                               |  | 1:1   |  |
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|-------------------------------------------------------------------------------------|--|-------------|--|-------------------------------------------------------------------------------------|--|-------|--|
| Description                                                                         |  | Seal Gasket |  | Description                                                                         |  | Brush |  |
| Code                                                                                |  | G2201       |  | Code                                                                                |  | G2203 |  |
| Weight                                                                              |  | —           |  | Weight                                                                              |  | —     |  |
| Material                                                                            |  | EPDM        |  | Material                                                                            |  | —     |  |
| Scale                                                                               |  | 1:1         |  | Scale                                                                               |  | 1:1   |  |
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|-------------------------------------------------------------------------------------|--|-------------|--|-------------------------------------------------------------------------------------|--|-------|--|
| Description                                                                         |  | Seal Gasket |  | Description                                                                         |  | Brush |  |
| Code                                                                                |  | G2201       |  | Code                                                                                |  | G2203 |  |
| Weight                                                                              |  | —           |  | Weight                                                                              |  | —     |  |
| Material                                                                            |  | EPDM        |  | Material                                                                            |  | —     |  |
| Scale                                                                               |  | 1:1         |  | Scale                                                                               |  | 1:1   |  |
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|-------------------------------------------------------------------------------------|--|-------------|--|-------------------------------------------------------------------------------------|--|-------|--|
| Description                                                                         |  | Seal Gasket |  | Description                                                                         |  | Brush |  |
| Code                                                                                |  | G2201       |  | Code                                                                                |  | G2203 |  |
| Weight                                                                              |  | —           |  | Weight                                                                              |  | —     |  |
| Material                                                                            |  | EPDM        |  | Material                                                                            |  | —     |  |
| Scale                                                                               |  | 1:1         |  | Scale                                                                               |  | 1:1   |  |
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|-------------------------------------------------------------------------------------|--|-------------|--|-------------------------------------------------------------------------------------|--|-------|--|
| Description                                                                         |  | Seal Gasket |  | Description                                                                         |  | Brush |  |
| Code                                                                                |  | G2201       |  | Code                                                                                |  | G2203 |  |
| Weight                                                                              |  | —           |  | Weight                                                                              |  | —     |  |
| Material                                                                            |  | EPDM        |  | Material                                                                            |  | —     |  |
| Scale                                                                               |  | 1:1         |  | Scale                                                                               |  | 1:1   |  |
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|-------------------------------------------------------------------------------------|--|-------------|--|-------------------------------------------------------------------------------------|--|-------|--|
| Description                                                                         |  | Seal Gasket |  | Description                                                                         |  | Brush |  |
| Code                                                                                |  | G2201       |  | Code                                                                                |  | G2203 |  |
| Weight                                                                              |  | —           |  | Weight                                                                              |  | —     |  |
| Material                                                                            |  | EPDM        |  | Material                                                                            |  | —     |  |
| Scale                                                                               |  | 1:1         |  | Scale                                                                               |  | 1:1   |  |
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|-------------------------------------------------------------------------------------|--|-------------|--|-------------------------------------------------------------------------------------|--|-------|--|
| Description                                                                         |  | Seal Gasket |  | Description                                                                         |  | Brush |  |
| Code                                                                                |  | G2201       |  | Code                                                                                |  | G2203 |  |
| Weight                                                                              |  | —           |  | Weight                                                                              |  | —     |  |
| Material                                                                            |  | EPDM        |  | Material                                                                            |  | —     |  |
| Scale                                                                               |  | 1:1         |  | Scale                                                                               |  | 1:1   |  |
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|-------------------------------------------------------------------------------------|--|-------------|--|-------------------------------------------------------------------------------------|--|-------|--|
| Description                                                                         |  | Seal Gasket |  | Description                                                                         |  | Brush |  |
| Code                                                                                |  | G2201       |  | Code                                                                                |  | G2203 |  |
| Weight                                                                              |  | —           |  | Weight                                                                              |  | —     |  |
| Material                                                                            |  | EPDM        |  | Material                                                                            |  | —     |  |
| Scale                                                                               |  | 1:1         |  | Scale                                                                               |  | 1:1   |  |
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|-------------------------------------------------------------------------------------|--|-------------|--|-------------------------------------------------------------------------------------|--|-------|--|
| Description                                                                         |  | Seal Gasket |  | Description                                                                         |  | Brush |  |
| Code                                                                                |  | G2201       |  | Code                                                                                |  | G2203 |  |
| Weight                                                                              |  | —           |  | Weight                                                                              |  | —     |  |
| Material                                                                            |  | EPDM        |  | Material                                                                            |  | —     |  |
| Scale                                                                               |  | 1:1         |  | Scale                                                                               |  | 1:1   |  |
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|-------------------------------------------------------------------------------------|--|-------------|--|-------------------------------------------------------------------------------------|--|-------|--|
| Description                                                                         |  | Seal Gasket |  | Description                                                                         |  | Brush |  |
| Code                                                                                |  | G2201       |  | Code                                                                                |  | G2203 |  |
| Weight                                                                              |  | —           |  | Weight                                                                              |  | —     |  |
| Material                                                                            |  | EPDM        |  | Material                                                                            |  | —     |  |
| Scale                                                                               |  | 1:1         |  | Scale                                                                               |  | 1:1   |  |
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|-------------------------------------------------------------------------------------|--|-------------|--|-------------------------------------------------------------------------------------|--|-------|--|
| Description                                                                         |  | Seal Gasket |  | Description                                                                         |  | Brush |  |
| Code                                                                                |  | G2201       |  | Code                                                                                |  | G2203 |  |
| Weight                                                                              |  | —           |  | Weight                                                                              |  | —     |  |
| Material                                                                            |  | EPDM        |  | Material                                                                            |  | —     |  |
| Scale                                                                               |  | 1:1         |  | Scale                                                                               |  | 1:1   |  |
|  |  |             |  |  |  |       |  |

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|-------------------------------------------------------------------------------------|--|-------------|--|-------------------------------------------------------------------------------------|--|-------|--|
| Description                                                                         |  | Seal Gasket |  | Description                                                                         |  | Brush |  |
| Code                                                                                |  | G2201       |  | Code                                                                                |  | G2203 |  |
| Weight                                                                              |  | —           |  | Weight                                                                              |  | —     |  |
| Material                                                                            |  | EPDM        |  | Material                                                                            |  | —     |  |
| Scale                                                                               |  | 1:1         |  | Scale                                                                               |  | 1:1   |  |
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|-------------------------------------------------------------------------------------|--|-------------|--|-------------------------------------------------------------------------------------|--|-------|--|
| Description                                                                         |  | Seal Gasket |  | Description                                                                         |  | Brush |  |
| Code                                                                                |  | G2201       |  | Code                                                                                |  | G2203 |  |
| Weight                                                                              |  | —           |  | Weight                                                                              |  | —     |  |
| Material                                                                            |  | EPDM        |  | Material                                                                            |  | —     |  |
| Scale                                                                               |  | 1:1         |  | Scale                                                                               |  | 1:1   |  |
|  |  |             |  |  |  |       |  |

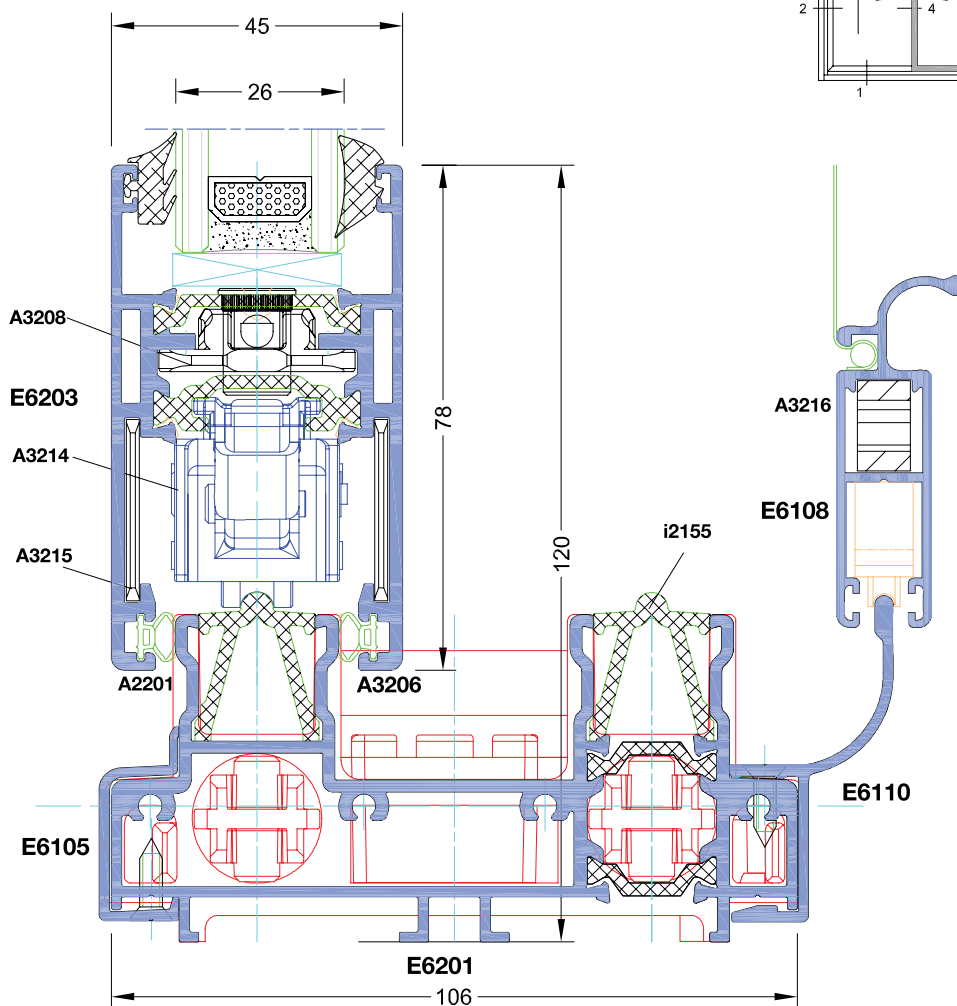
|                                                                                     |  |             |  |                                                                                     |  |       |  |
|-------------------------------------------------------------------------------------|--|-------------|--|-------------------------------------------------------------------------------------|--|-------|--|
| Description                                                                         |  | Seal Gasket |  | Description                                                                         |  | Brush |  |
| Code                                                                                |  | G2201       |  | Code                                                                                |  | G2203 |  |
| Weight                                                                              |  | —           |  | Weight                                                                              |  | —     |  |
| Material                                                                            |  | EPDM        |  | Material                                                                            |  | —     |  |
| Scale                                                                               |  | 1:1         |  | Scale                                                                               |  | 1:1   |  |
|  |  |             |  |  |  |       |  |

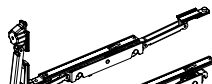
|                                                                                     |  |             |  |                                                                                     |  |       |  |
|-------------------------------------------------------------------------------------|--|-------------|--|-------------------------------------------------------------------------------------|--|-------|--|
| Description                                                                         |  | Seal Gasket |  | Description                                                                         |  | Brush |  |
| Code                                                                                |  | G2201       |  | Code                                                                                |  | G2203 |  |
| Weight                                                                              |  | —           |  | Weight                                                                              |  | —     |  |
| Material                                                                            |  | EPDM        |  | Material                                                                            |  | —     |  |
| Scale                                                                               |  | 1:1         |  | Scale                                                                               |  | 1:1   |  |
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|-------------------------------------------------------------------------------------|--|-------------|--|-------------------------------------------------------------------------------------|--|-------|--|
| Description                                                                         |  | Seal Gasket |  | Description                                                                         |  | Brush |  |
| Code                                                                                |  | G2201       |  | Code                                                                                |  | G2203 |  |
| Weight                                                                              |  | —           |  | Weight                                                                              |  | —     |  |
| Material                                                                            |  | EPDM        |  | Material                                                                            |  | —     |  |
| Scale                                                                               |  | 1:1         |  | Scale                                                                               |  | 1:1   |  |
|  |  |             |  |  |  |       |  |

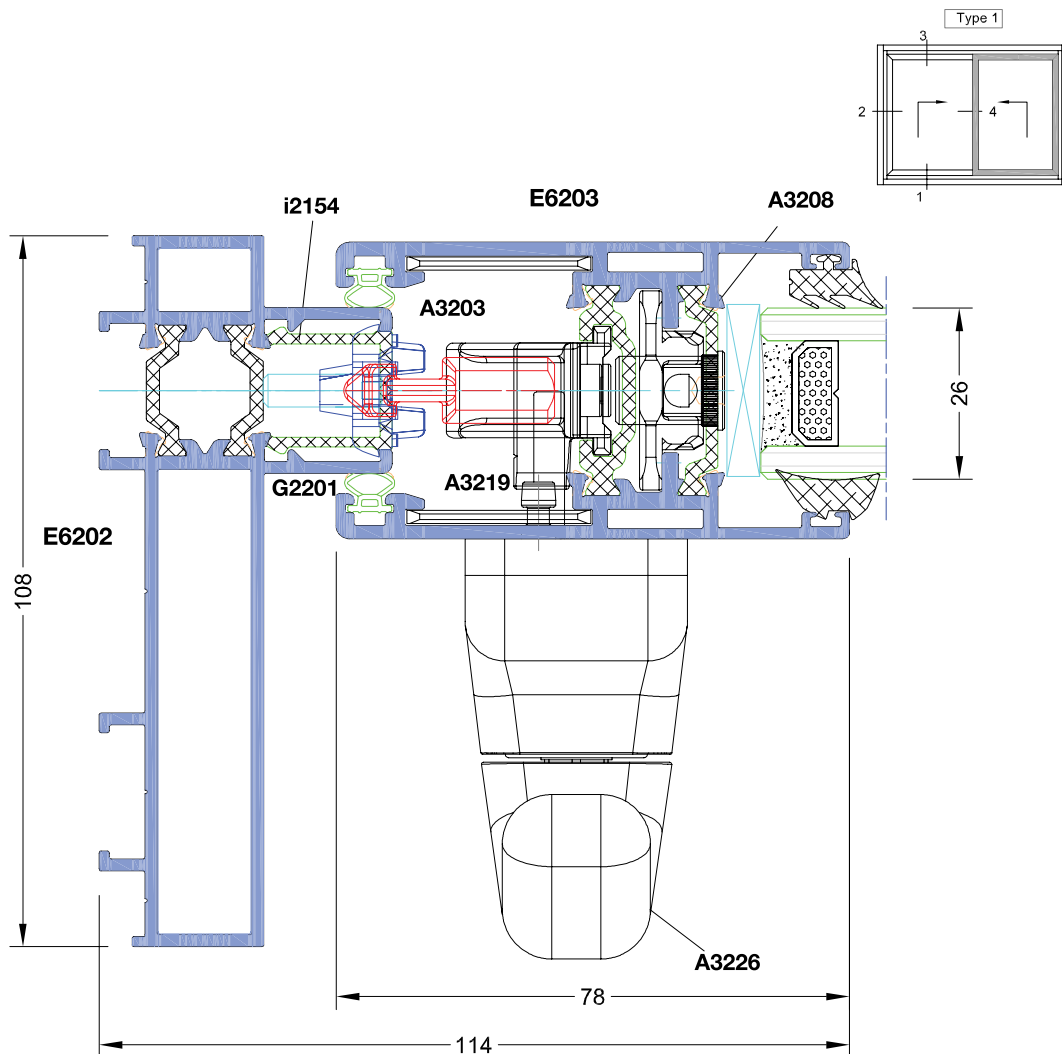
|             |  |             |  |             |  |       |  |
|-------------|--|-------------|--|-------------|--|-------|--|
| Description |  | Seal Gasket |  | Description |  | Brush |  |
| Code        |  | G2201</     |  |             |  |       |  |

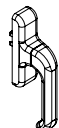
Diagram of a Type 1 window frame. It shows a cross-section of a window with four panes. Arrows indicate air flow from the outside (left) to the inside (right) through the panes. The panes are labeled 1, 2, 3, and 4. The frame is labeled 'Type 1'.



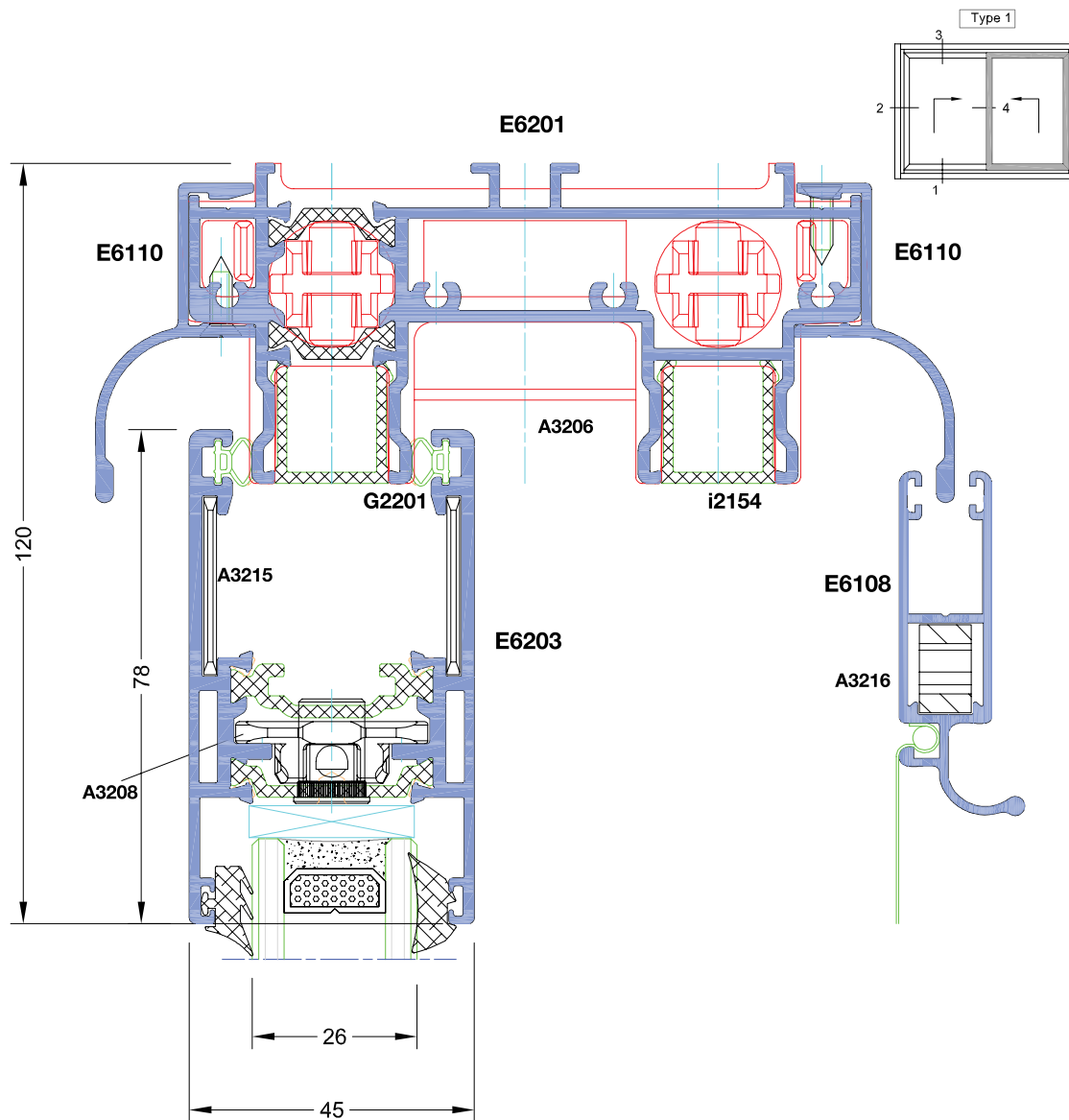
| Hardware and Accessories                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | Profile      |             |       |
|----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------|-------------|-------|
|           |  |  |  | Description                                                                         | Code         |             |       |
|                                                                                              |                                                                                     |                                                                                     |                                                                                     | Frame90° Profile                                                                    | E6201        |             |       |
|                                                                                              |                                                                                     |                                                                                     |                                                                                     | Sash                                                                                | E6203        |             |       |
|                                                                                              |                                                                                     |                                                                                     |                                                                                     | Mosquito Netting Track                                                              | E6110        |             |       |
|                                                                                              |                                                                                     |                                                                                     |                                                                                     | Decoration Profile                                                                  | E6105        |             |       |
| Pulley L&S Door (2 wheels)                                                                   | Kit Central Plugs For L&S                                                           | Water Trapping Plug (pair)                                                          | Corner Joint                                                                        | Mosquito Profile                                                                    | E6108        |             |       |
| A3214                                                                                        | A3206                                                                               | G2204                                                                               | A3216                                                                               | Guide                                                                               | i2155        |             |       |
|           | Alignment Corner Joint                                                              |  | Connection Rod                                                                      |  | Corner Joint | Seal Gasket | A2201 |
| A3215                                                                                        | A3210                                                                               |                                                                                     | A3208                                                                               |                                                                                     | Hollow Glass | 6+14A+6mm   |       |
| Hardware is shown for L&S, for Slide configuration please select brush and related hardware. |                                                                                     |                                                                                     |                                                                                     |                                                                                     |              |             |       |

## Horizontal Section (High Load) Section 2



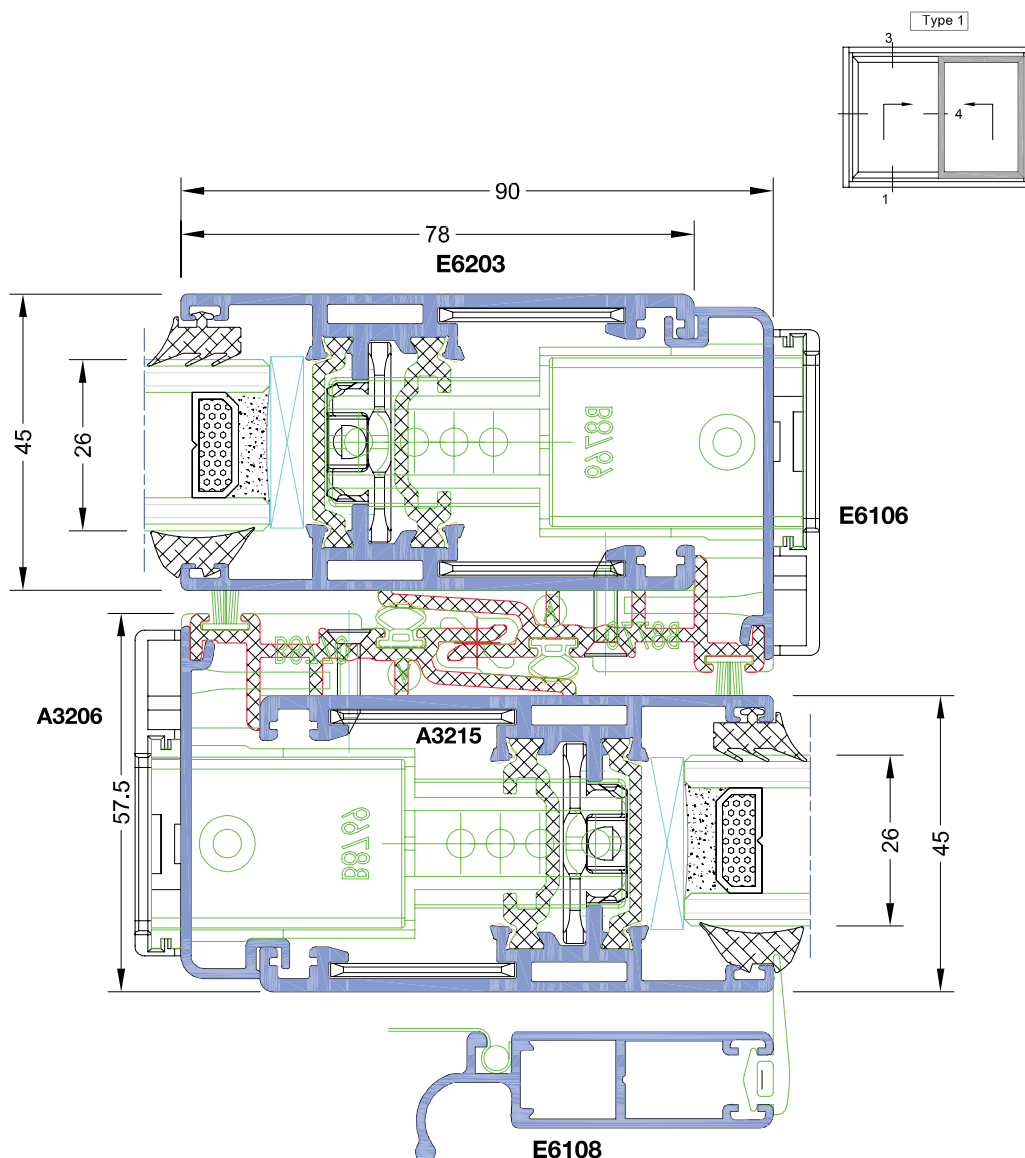
| Hardware and Accessories                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | Profile        |              |           |
|----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------|--------------|-----------|
|           |  |  |  |  |  | Description    | Code         |           |
|                                                                                              |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | Frame Upright  | <b>E6202</b> |           |
|                                                                                              |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | Sash Profile   | <b>E6203</b> |           |
|                                                                                              |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | Guide          | <b>i2154</b> |           |
| Handle                                                                                       | Internal Device                                                                     | Lock                                                                                | L&S Flat Handle                                                                     | Handle                                                                              | Cremone Driving Rod                                                                 | Glazing Gasket | G2205        |           |
| <b>A3230</b>                                                                                 | <b>A3202</b>                                                                        | <b>A3222</b>                                                                        | <b>A3220</b>                                                                        | <b>A3226</b>                                                                        | <b>A3219</b>                                                                        | Glazing Gasket | G2206        |           |
|           | Corner Joint                                                                        |  | Closing Kit For Open Frame                                                          |                                                                                     |  | Corner Joint   | Seal Gasket  | G2201     |
|                                                                                              | A3208                                                                               |                                                                                     | A3203                                                                               |                                                                                     |                                                                                     | A3215          | Hollow Glass | 6+14A+6mm |
| Hardware is shown for L&S, for Slide configuration please select brush and related hardware. |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                |              |           |

## Upper Section (High Load) Section 3



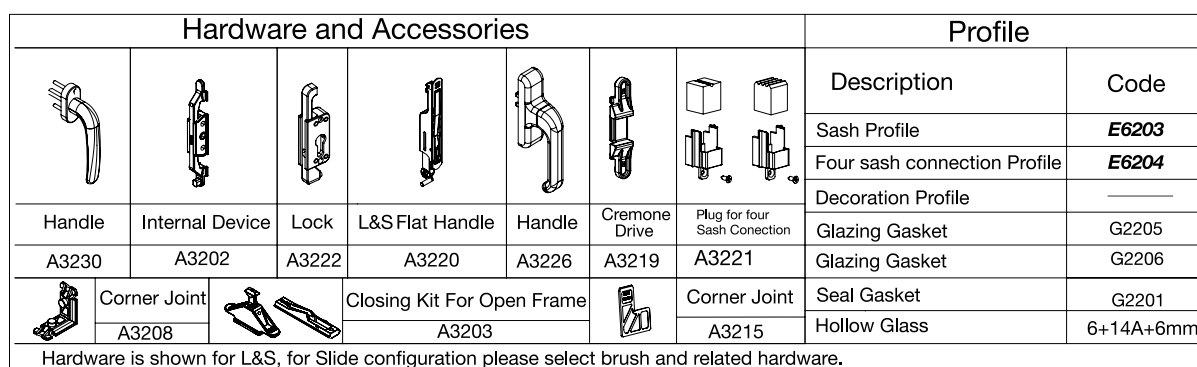
| Hardware and Accessories                                                                     |              |                           |                |              |                            | Profile        |               |                        |              |
|----------------------------------------------------------------------------------------------|--------------|---------------------------|----------------|--------------|----------------------------|----------------|---------------|------------------------|--------------|
|                                                                                              |              |                           |                |              |                            |                |               | Description            | Code         |
|                                                                                              |              |                           |                |              |                            |                |               | FRAME 90° Profile      | <b>E6201</b> |
|                                                                                              |              |                           |                |              |                            |                |               | Sash                   | <b>E6203</b> |
|                                                                                              |              |                           |                |              |                            |                |               | Mosquito Netting Track | <b>E6110</b> |
|                                                                                              |              |                           |                |              |                            |                |               | Mosquito Profile       | <b>E6108</b> |
| Shock Absorber no-lift Caps (L&S)                                                            |              | Kit Central Plugs For L&S |                | Corner Joint | Water Trapping Plug (pair) | Guide          | <b>i2154</b>  |                        |              |
| A3205                                                                                        |              | A3206                     |                | A3208        | G2204                      | Glazing Gasket | G2205 & G2206 |                        |              |
|                                                                                              | Corner Joint | A3210                     | Connection Rod |              | Corner Joint               | Seal Gasket    | G2201         |                        |              |
|                                                                                              | A3215        |                           |                |              | A3216                      | Hollow Glass   | 6+14A+6mm     |                        |              |
| Hardware is shown for L&S, for Slide configuration please select brush and related hardware. |              |                           |                |              |                            |                |               |                        |              |

## Horizontal Overlap Section (High Load) Section 4

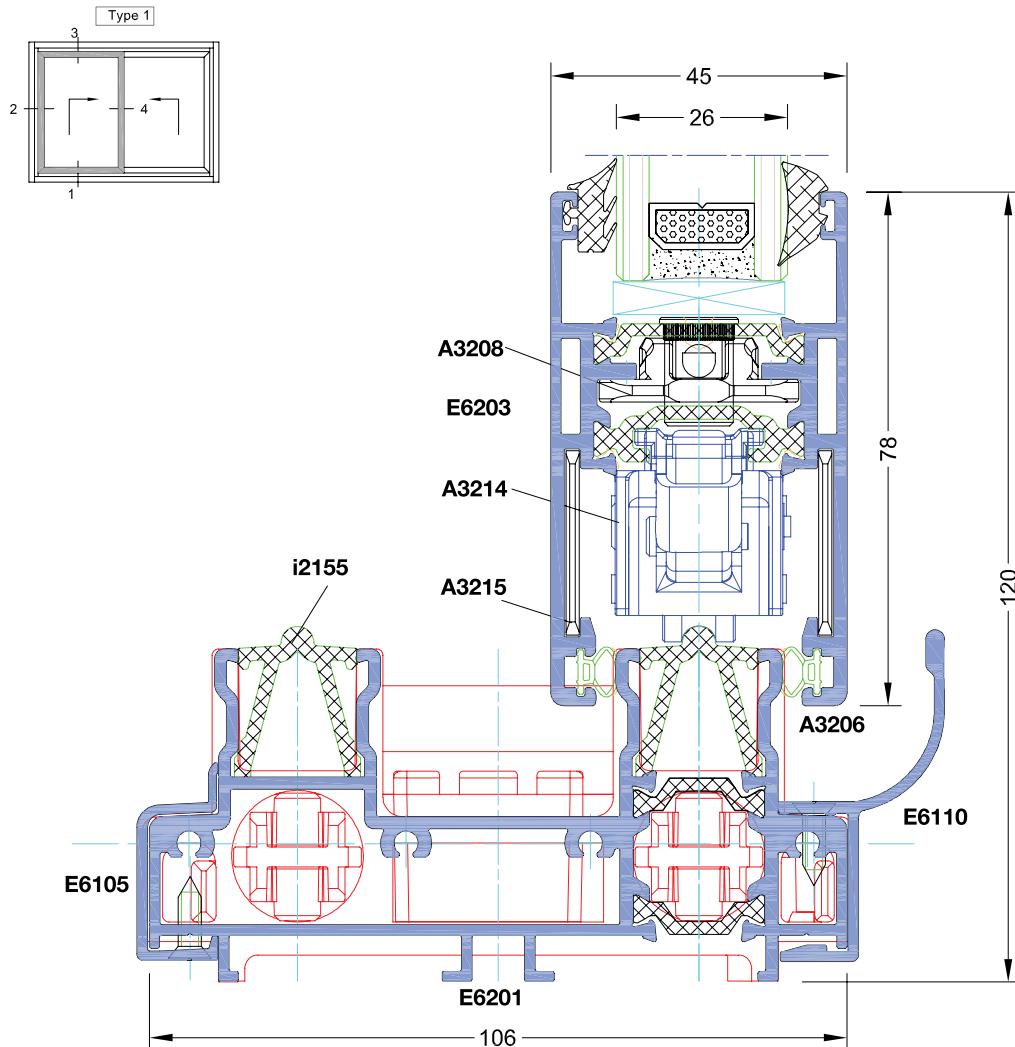


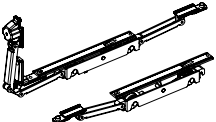
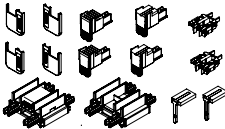
| Hardware and Accessories  |  |  |  |  | Profile                  |               |
|---------------------------|--|--|--|--|--------------------------|---------------|
|                           |  |  |  |  | Description              | Code          |
|                           |  |  |  |  | Sash                     | <b>E6203</b>  |
|                           |  |  |  |  | Interlock                | <b>i2153</b>  |
|                           |  |  |  |  | Central Labyrinth        | <b>E6106</b>  |
|                           |  |  |  |  | Mosquito Profile         | <b>E6108</b>  |
| Kit Central Plugs For L&S |  |  |  |  | Glazing Gasket           | G2205 & G2206 |
| A3206                     |  |  |  |  | Seal Gasket              | G2201         |
| Corner Joint              |  |  |  |  | Flyscreen Gasket & Brush | G2202 & G2203 |
| A3215                     |  |  |  |  | Hollow Glass             | 6+14A+6mm     |
| A3210 Connection Rod      |  |  |  |  |                          |               |
| A3216                     |  |  |  |  |                          |               |

Hardware is shown for L&S, for Slide configuration please select brush and related hardware.

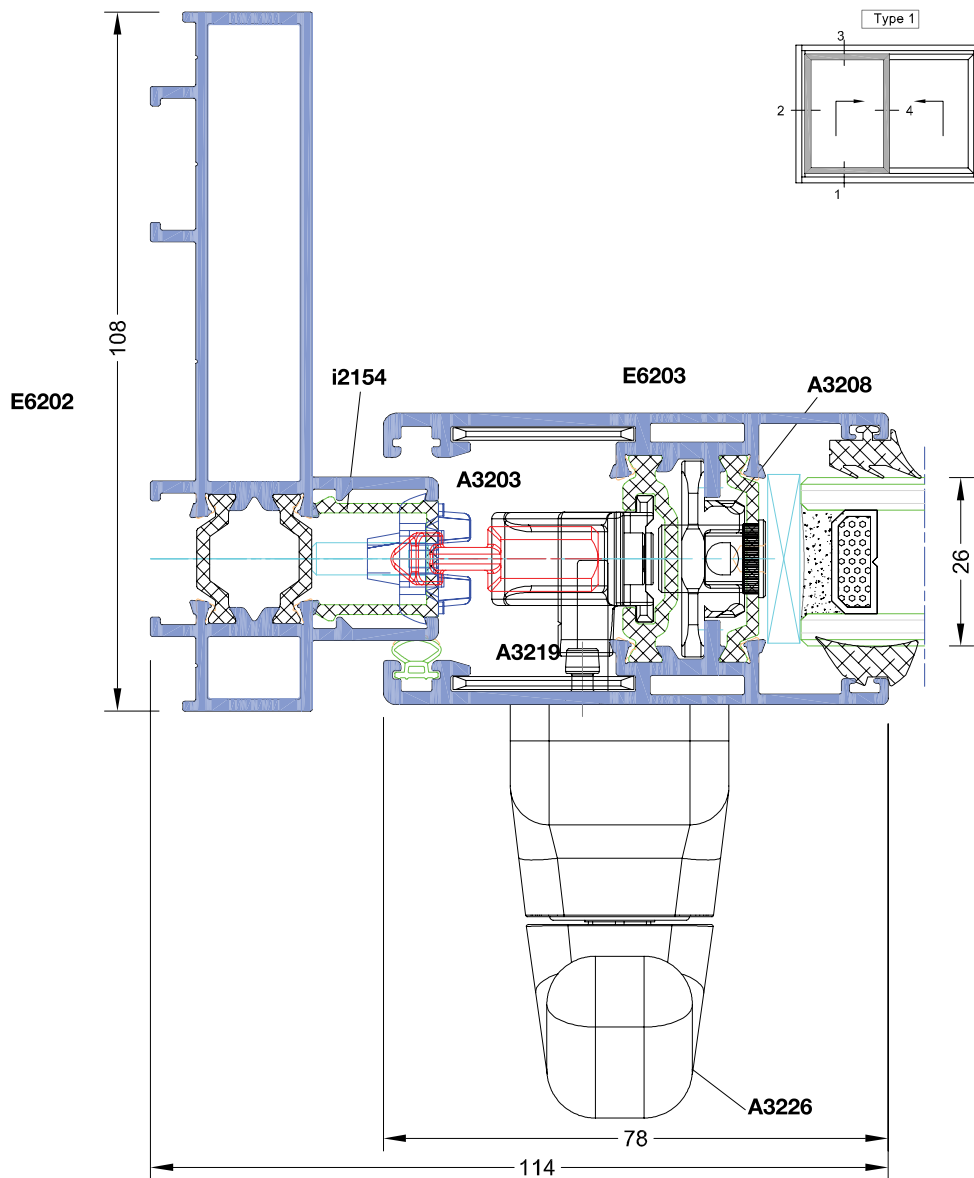


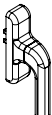
## Bottom Section (High Load) Section 1



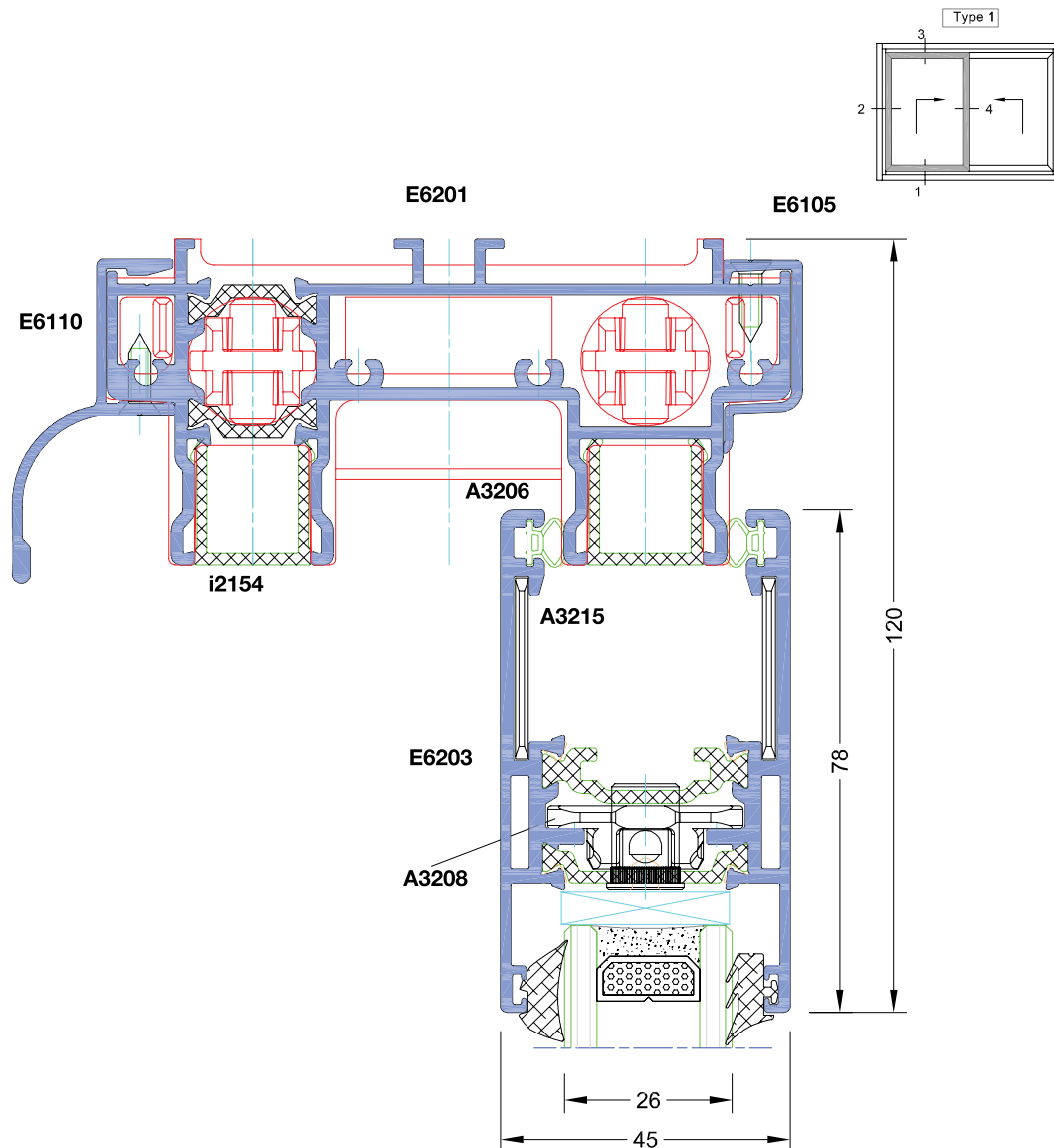
| Hardware and Accessories                                                                                               |                                                                                                                |                                                                                                                  |                                                                                                              |                                                                                                                   | Profile   |                               |              |
|------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|-----------|-------------------------------|--------------|
| <br>Pulley L&S Door (2 wheels)      |                                                                                                                | <br>Kit Central Plugs For L&S |                                                                                                              | <br>Water Trapping Plug (pair) |           | Description                   | Code         |
|                                                                                                                        |                                                                                                                |                                                                                                                  |                                                                                                              |                                                                                                                   |           | Frame 90° Profile             | <b>E6201</b> |
|                                                                                                                        |                                                                                                                |                                                                                                                  |                                                                                                              |                                                                                                                   |           | Sash                          | <b>E6203</b> |
|                                                                                                                        |                                                                                                                |                                                                                                                  |                                                                                                              |                                                                                                                   |           | <b>Mosquito Netting Track</b> | <b>E6110</b> |
|                                                                                                                        |                                                                                                                |                                                                                                                  |                                                                                                              |                                                                                                                   |           | <b>Decoration Profile</b>     | <b>E6105</b> |
| A3214                                                                                                                  |                                                                                                                | A3206                                                                                                            |                                                                                                              | G2204                                                                                                             |           | Mosquito Profile              | <b>E6108</b> |
| A3214                                                                                                                  |                                                                                                                | A3206                                                                                                            |                                                                                                              | G2204                                                                                                             |           | Guide                         | <b>i2155</b> |
| <br>Alignment Corner Joint<br>A3215 | <br>Connection Rod<br>A3210 |                                                                                                                  | <br>Corner Joint<br>A3208 | Seal Gasket                                                                                                       | G2201     |                               |              |
|                                                                                                                        |                                                                                                                |                                                                                                                  |                                                                                                              | Hollow Glass                                                                                                      | 6+14A+6mm |                               |              |
| Hardware is shown for L&S, for Slide configuration please select brush and related hardware.                           |                                                                                                                |                                                                                                                  |                                                                                                              |                                                                                                                   |           |                               |              |

## Horizontal Section (High Load) Section 2



| Hardware and Accessories                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | Profile        |              |              |
|----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------|--------------|--------------|
|           |  |  |  |  |  | Description    | Code         |              |
|                                                                                              |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | Frame Upright  | <b>E6202</b> |              |
|                                                                                              |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | Sash Profile   | <b>E6203</b> |              |
|                                                                                              |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | Guide          | <b>i2154</b> |              |
| Handle                                                                                       | Internal Device                                                                     | Lock                                                                                | L&s Flat Handle                                                                     | Handle                                                                              | Cremone Driving Rod                                                                 | Glazing Gasket | <b>G2205</b> |              |
| A3230                                                                                        | A3202                                                                               | A3222                                                                               | A3220                                                                               | A3226                                                                               | A3219                                                                               | Glazing Gasket | <b>G2206</b> |              |
|           | Corner Joint                                                                        |  | Closing Kit For Open Frame                                                          |                                                                                     |  | Corner Joint   | Seal Gasket  | <b>G2201</b> |
|                                                                                              | 02923N                                                                              |                                                                                     |                                                                                     |                                                                                     |                                                                                     | A3215          | Hollow Glass |              |
| Hardware is shown for L&S, for Slide configuration please select brush and related hardware. |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                |              |              |

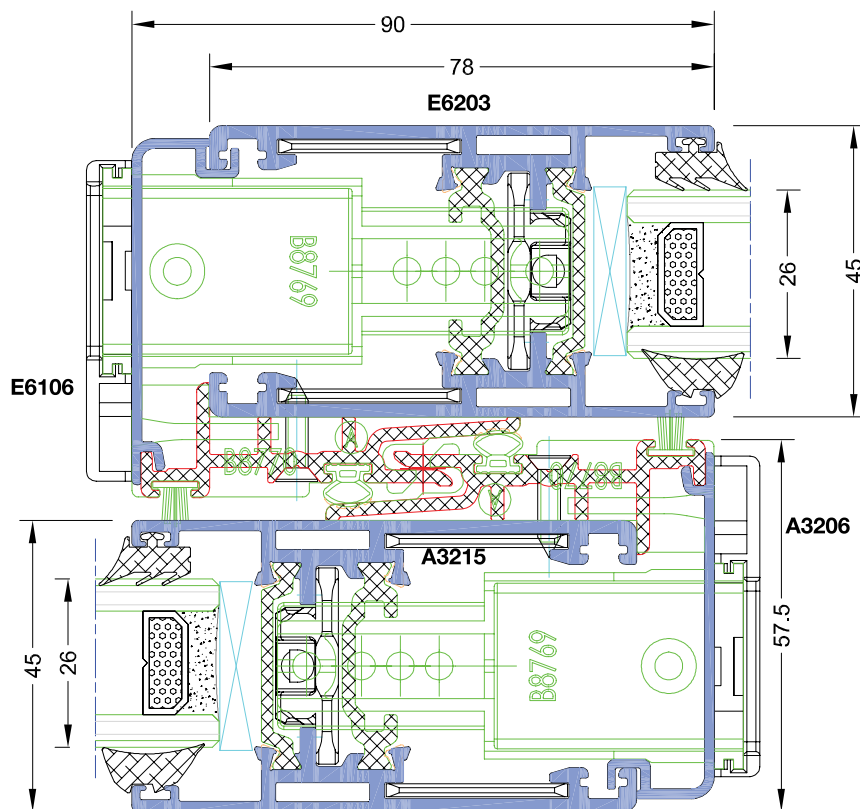
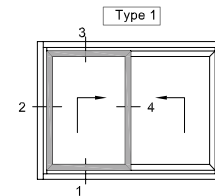
## Upper Section (High Load) Section 3



| Hardware and Accessories         |                           |                |                            | Profile                |               |
|----------------------------------|---------------------------|----------------|----------------------------|------------------------|---------------|
|                                  |                           |                |                            | Description            | Code          |
|                                  |                           |                |                            | FRAME 90° Profile      | <b>E6201</b>  |
|                                  |                           |                |                            | Sash                   | <b>E6203</b>  |
|                                  |                           |                |                            | Mosquito Netting Track | <b>E6110</b>  |
|                                  |                           |                |                            | Decoration Profile     | <b>E6105</b>  |
|                                  |                           |                |                            | Decoration Profile PVC | <b>i2154</b>  |
| Shock Absorber no-lift Caps(L&S) | Kit Central Plugs For L&S | Corner Joint   | Water Trapping Plug (pair) | Glazing Gasket         | G2205 & G2206 |
| A3205                            | A3206                     | A3208          | G2204                      | Seal Gasket            | G2201         |
|                                  |                           |                |                            | Hollow Glass           | 6+14A+6mm     |
| Corner Joint                     | A3210                     | Connection Rod |                            |                        |               |
| A3215                            |                           |                |                            |                        |               |

Hardware is shown for L&S, for Slide configuration please select brush and related hardware.

## Horizontal Overlap Section (High Load) Section 4



| Hardware and Accessories  |  |  |  | Profile           |               |
|---------------------------|--|--|--|-------------------|---------------|
|                           |  |  |  | Description       | Code          |
|                           |  |  |  | Sash              | <b>E6203</b>  |
|                           |  |  |  | Interlock         | <b>i2153</b>  |
|                           |  |  |  | Central Labyrinth | <b>E6106</b>  |
|                           |  |  |  | Mosquito Profile  | <b>E6108</b>  |
| Kit Central Plugs For L&S |  |  |  | Glazing Gasket    | G2205 & G2206 |
| A3206                     |  |  |  | Seal Gasket       | G2201         |
| Corner Joint              |  |  |  | Brush             |               |
| A3215                     |  |  |  | Hollow Glass      | 6+14A+6mm     |
| A3210 Connection Rod      |  |  |  |                   |               |

Hardware is shown for L&S, for Slide configuration please select brush and related hardware.

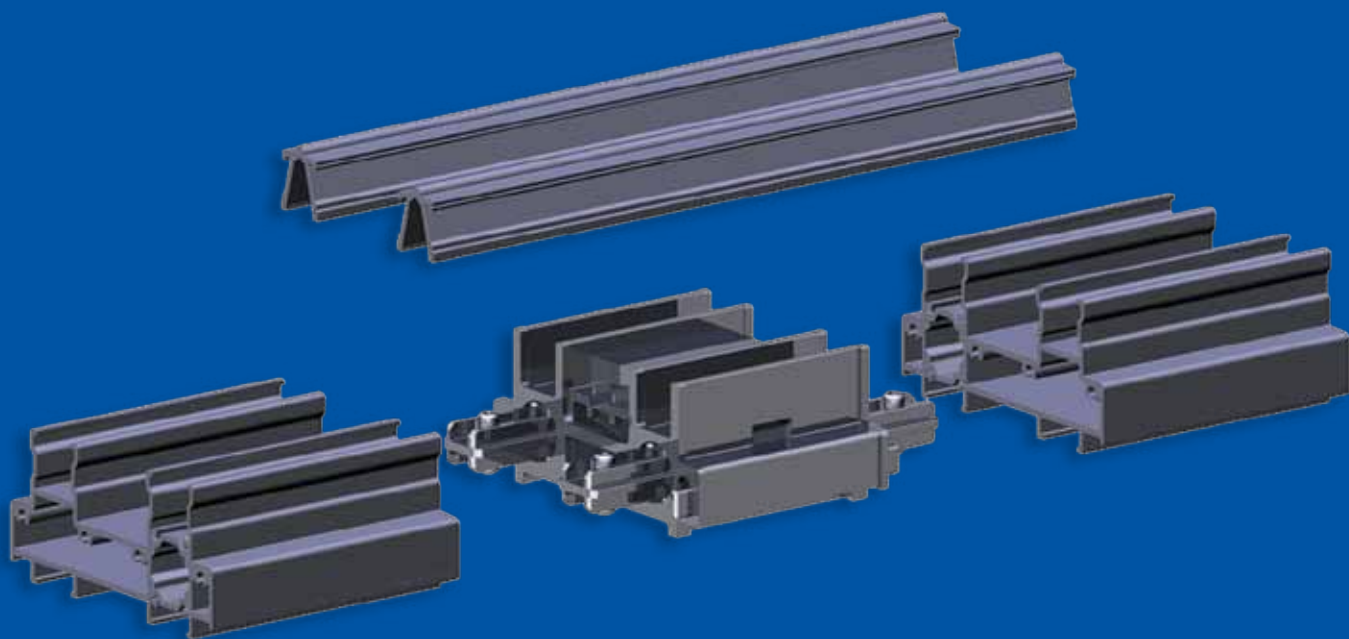




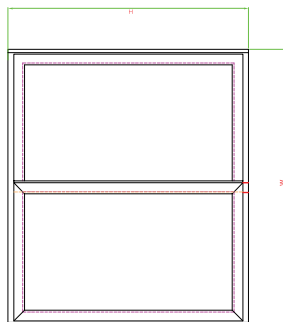
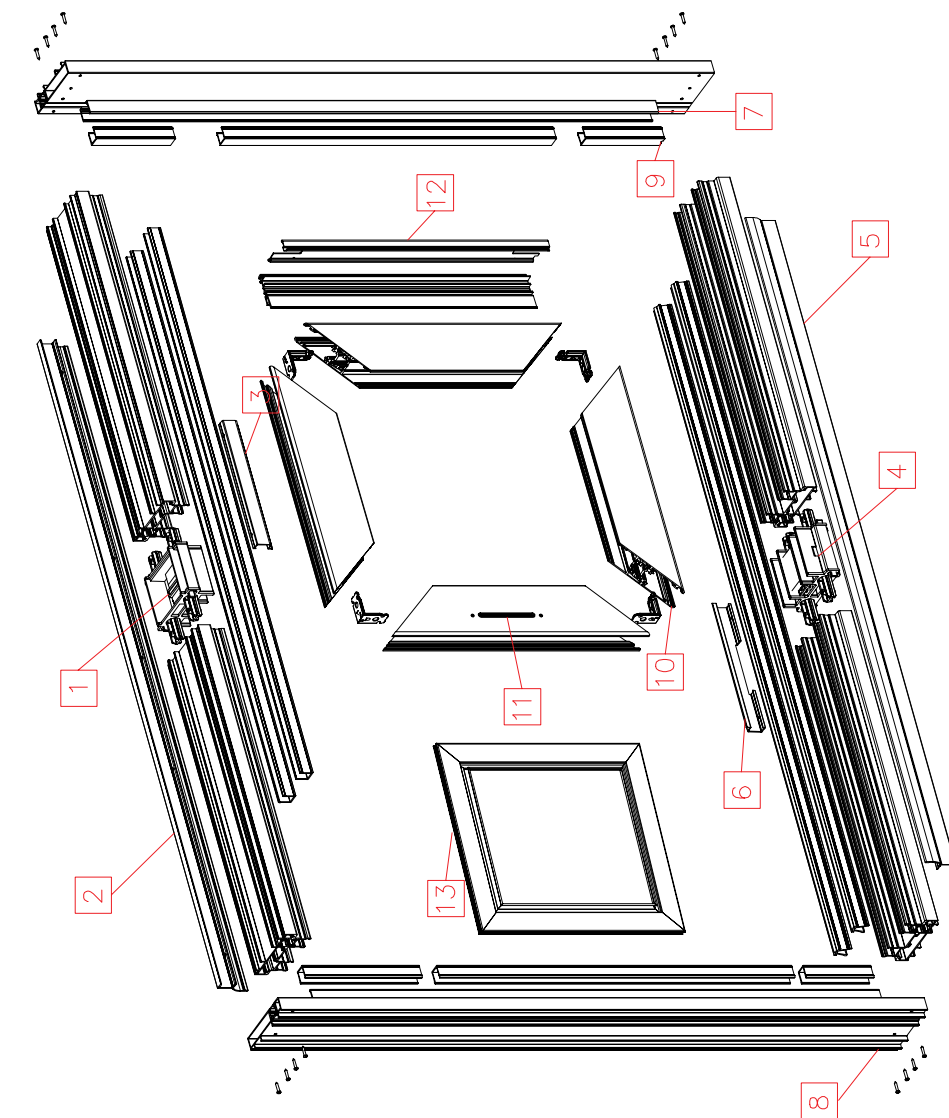
# INSTRUCTION

## Features

- Profile cutting formulae
- Machining and cutting operations for hardware
- Rod cutting formulae
- Hardware assembly by code
- Illustration with details

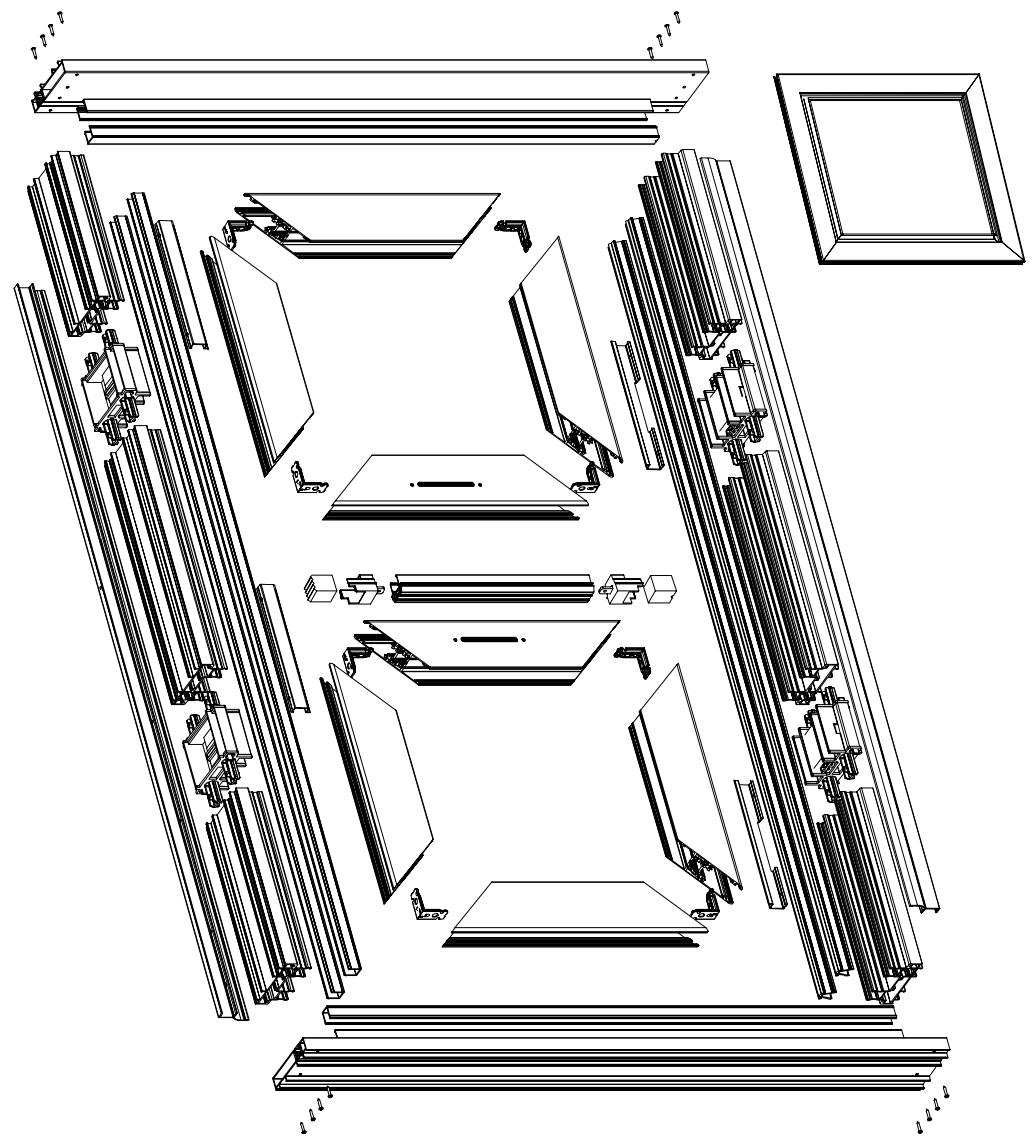
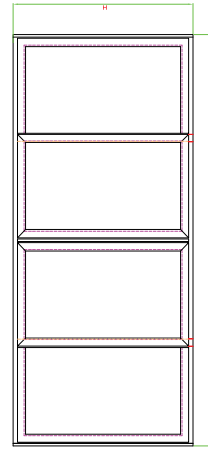


## Balexco Luxury System – Profile Cutting List



| Section                                                                               | Calculation                           | Quantity | Cut Degree                                                                            |
|---------------------------------------------------------------------------------------|---------------------------------------|----------|---------------------------------------------------------------------------------------|
|    | W/2-63                                | 4        |    |
|    | H                                     | 2        |    |
|    | H-84                                  | 4        |    |
|    | W/2-3                                 | 4        |    |
|    | H-84                                  | 2        |    |
|    | W/2-3                                 | 2        |    |
|    | H-84                                  | 2        |    |
|    | W-57                                  | 3        |   |
|  | W-57                                  | 2        |  |
|  | W-51                                  | 2        |  |
|  | H-100                                 | 2        |  |
|  | W-51                                  | 2        |  |
|  | H-100<br>Degree: 45°<br>and Quantity: | 2        |  |
| Glass                                                                                 | W/2-129<br>H-210                      | 2        | -                                                                                     |

## Balexco Luxury System - Profile Cutting List

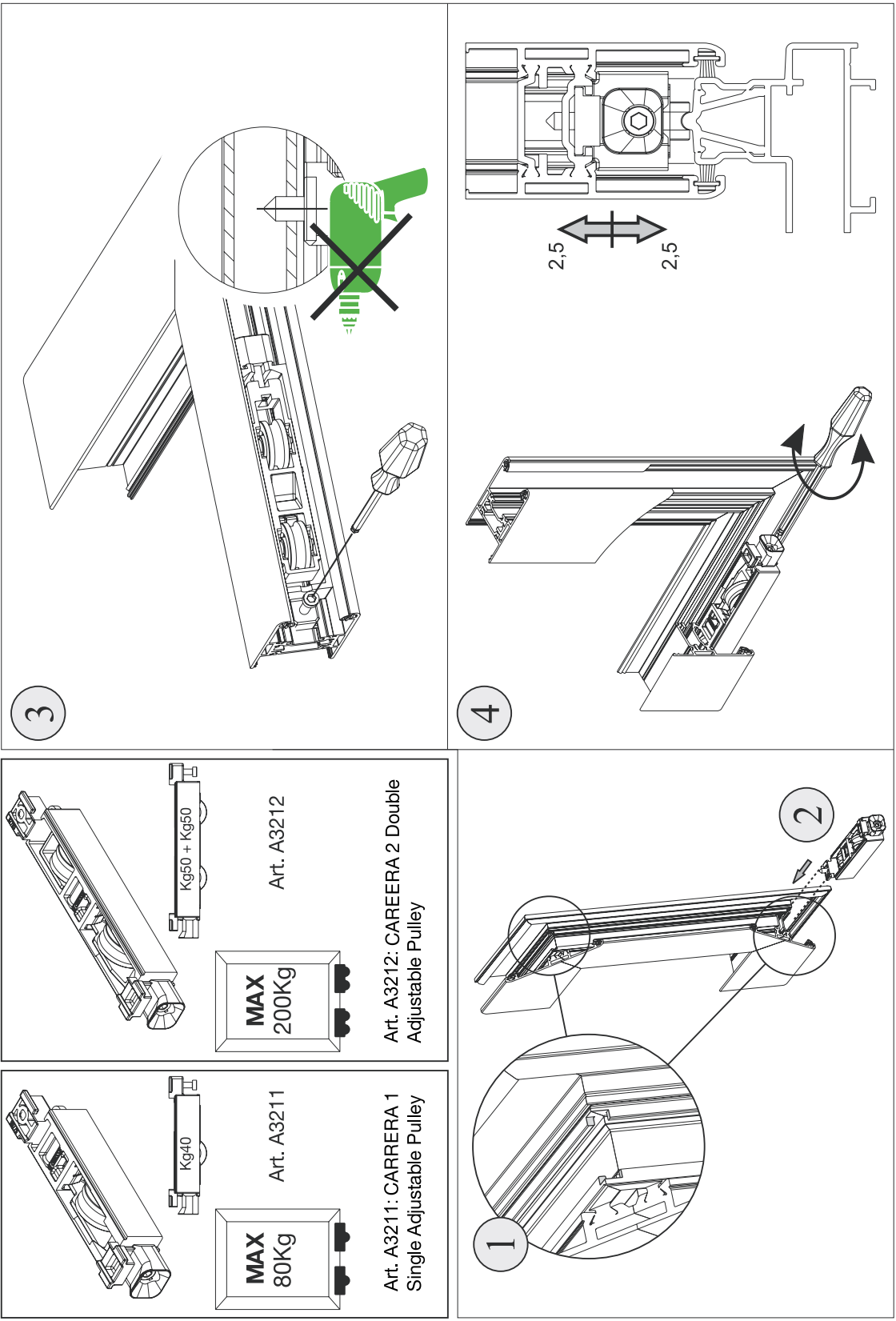
| Section | Calculation        | Quantity | Cut Degree |
|---------|--------------------|----------|------------|
|         | W/4-47.5           | 4        |            |
|         | W/2-105            | 2        |            |
|         | H                  | 2        |            |
|         | H-84               | 8        |            |
|         | W/4+12.5           | 8        |            |
|         | H-84               | 4        |            |
|         | W/4+12.5           | 4        |            |
|         | H-84               | 4        |            |
|         | W-57               | 2        |            |
|         | W-51               | 2        |            |
|         | H-168              | 1        |            |
|         | W-51               | 2        |            |
|         | H-100              | 4        |            |
|         | W-51               | 2        |            |
|         | H-100              | -        |            |
|         | H-168              | 1        |            |
| Glass   | W/4-117.5<br>H-210 | 4        | -          |

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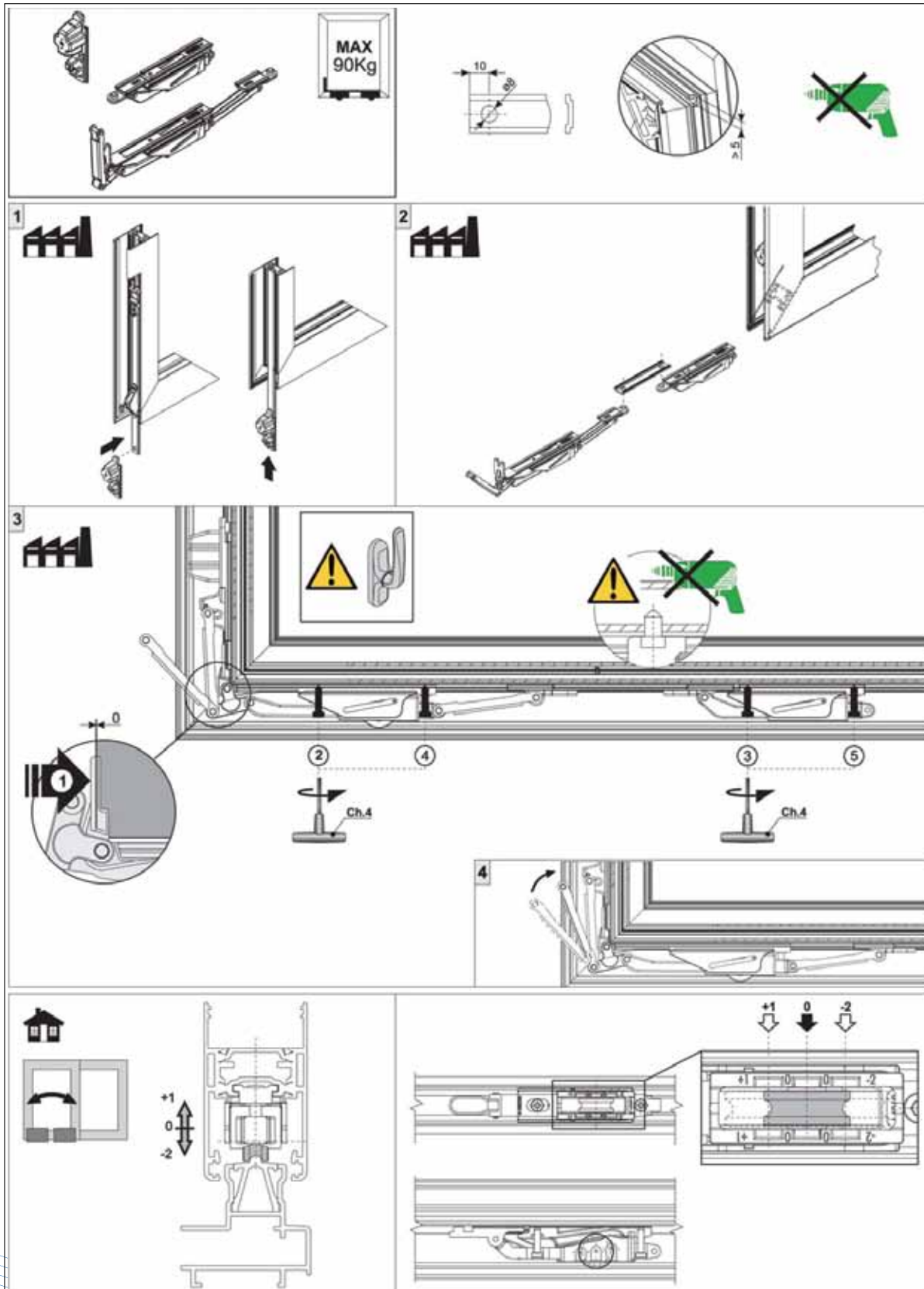
Technical drawings of window and door profiles for the 100 Series. The drawings are organized into a grid with 10 rows and 4 columns. Each row and column is numbered in a red box. The drawings include cross-sections, side views, and end views of various profile components, showing dimensions in millimeters and degrees. Key components include the main frame profile, the sash profile, and the glazing bead. The drawings are labeled with '100' and '100 Series'.

Art. A3211-A3212

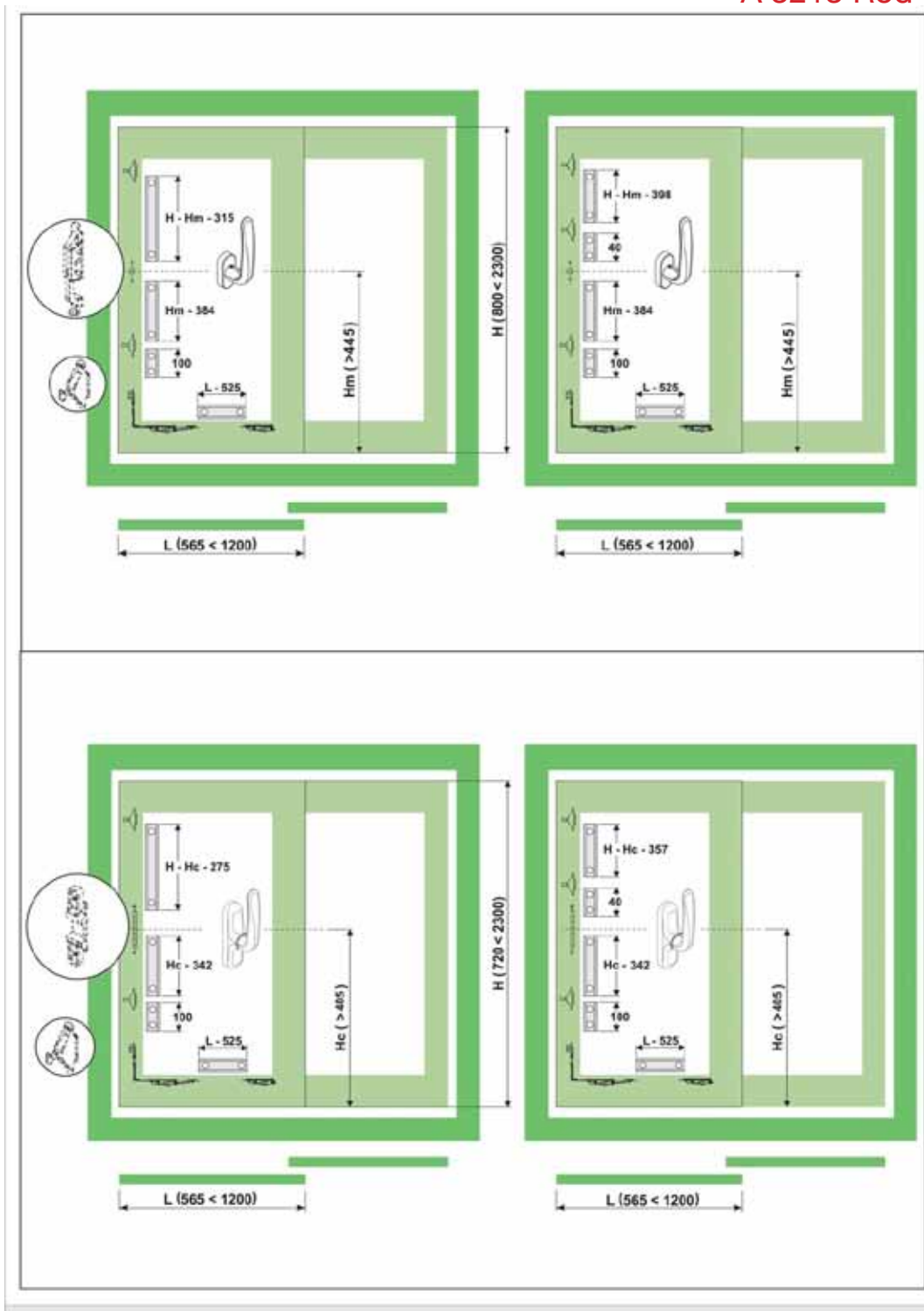
INSTRUCTION



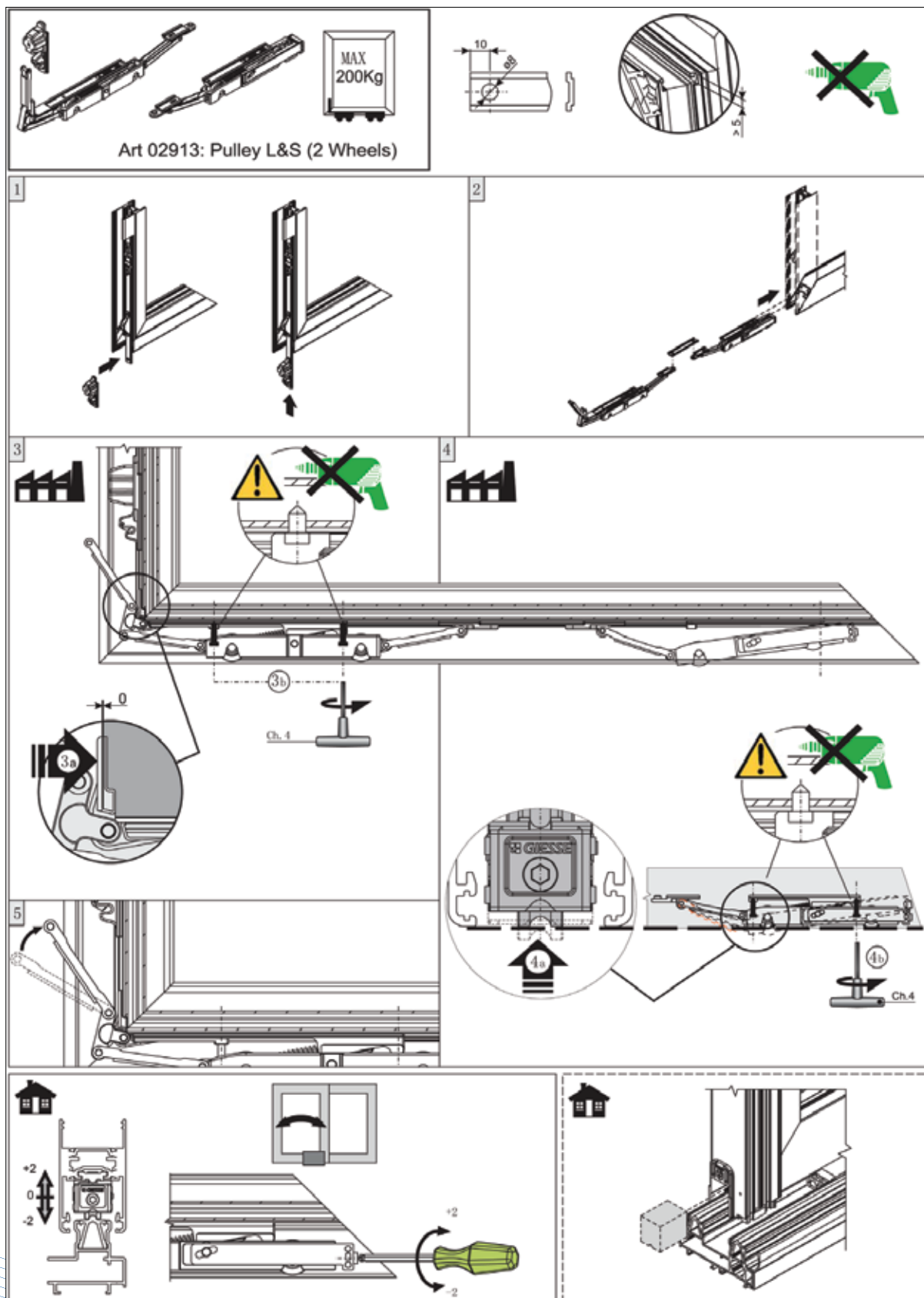
A 3213



## A 3213 Rod Cut

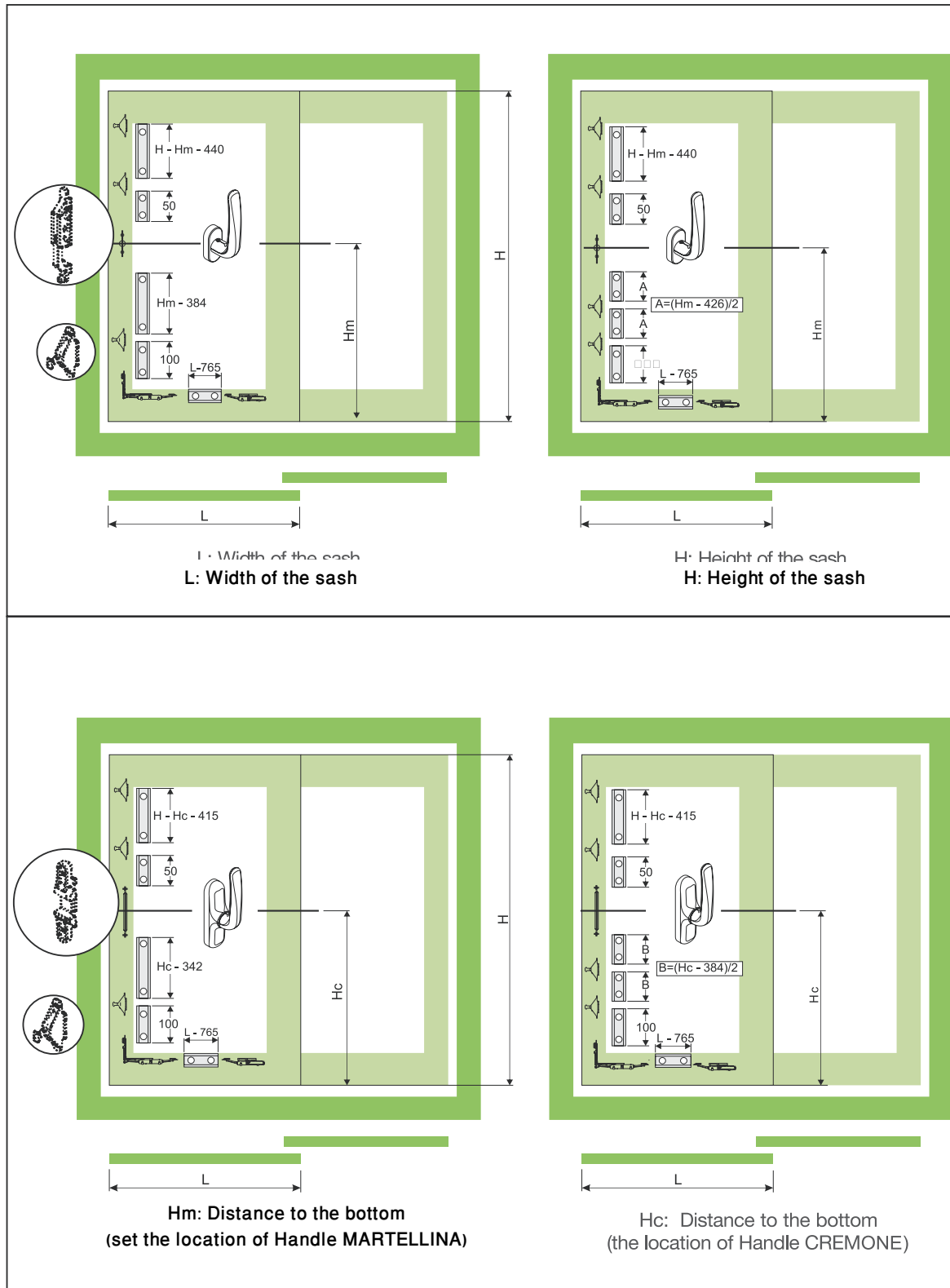


Art. A3214

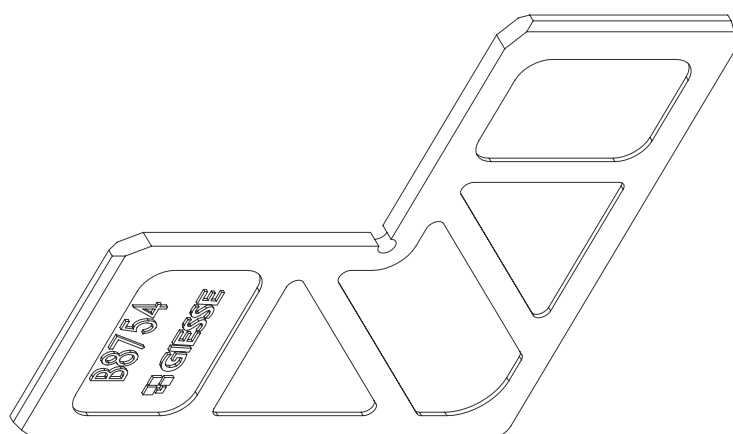
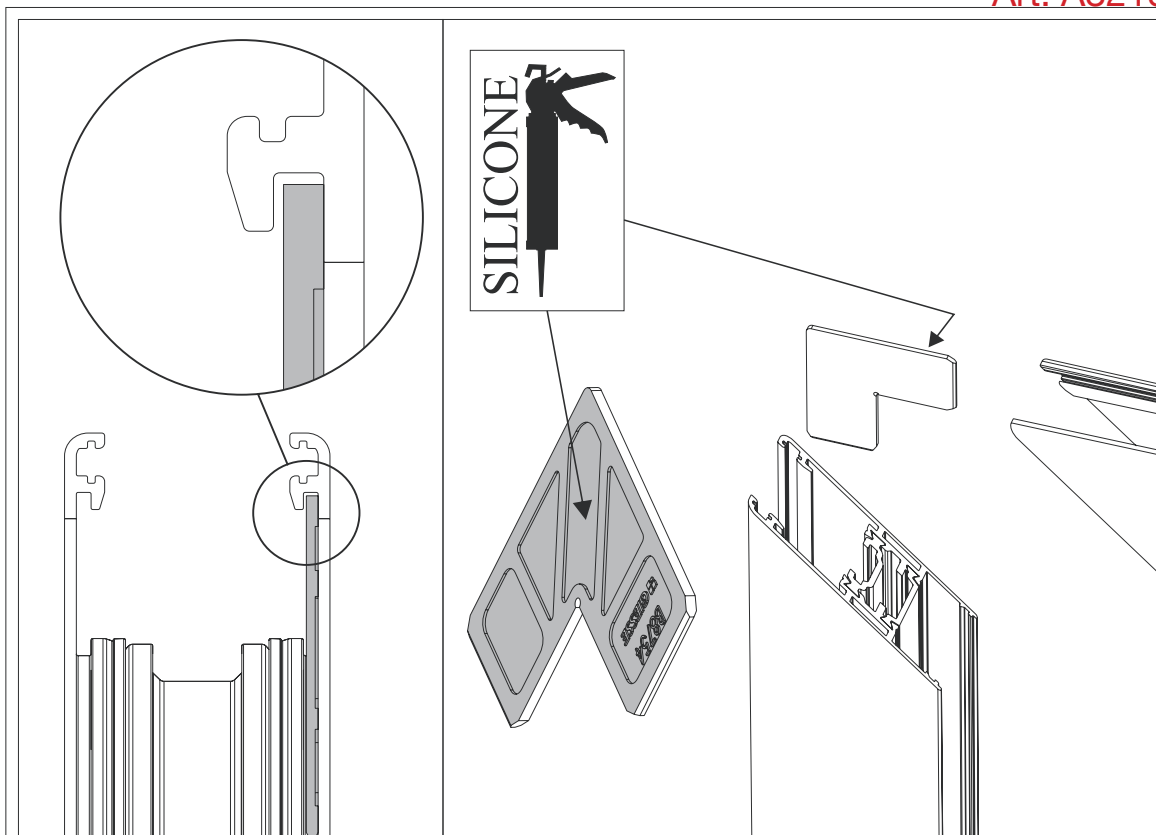


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A 3214

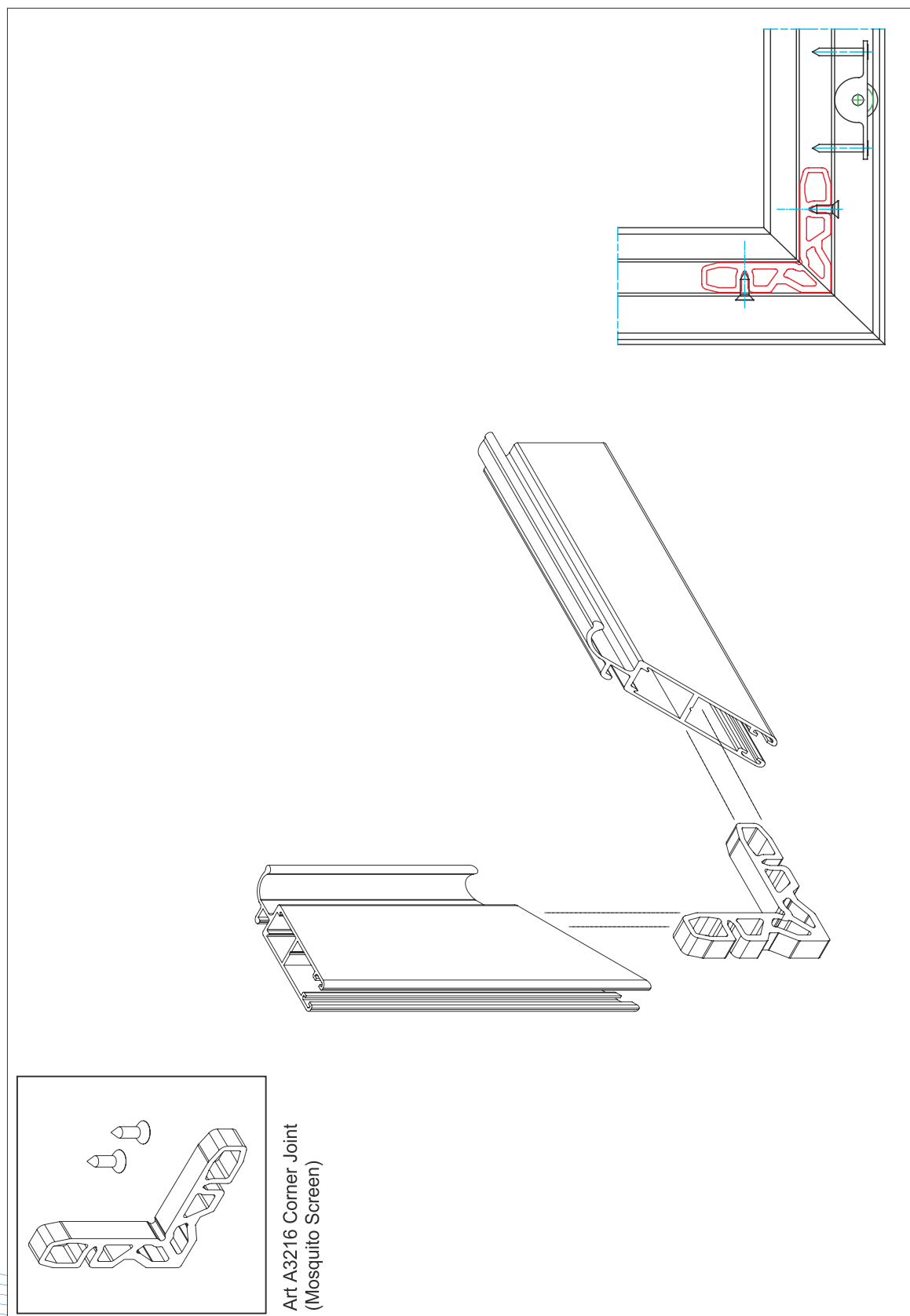


Art. A3215



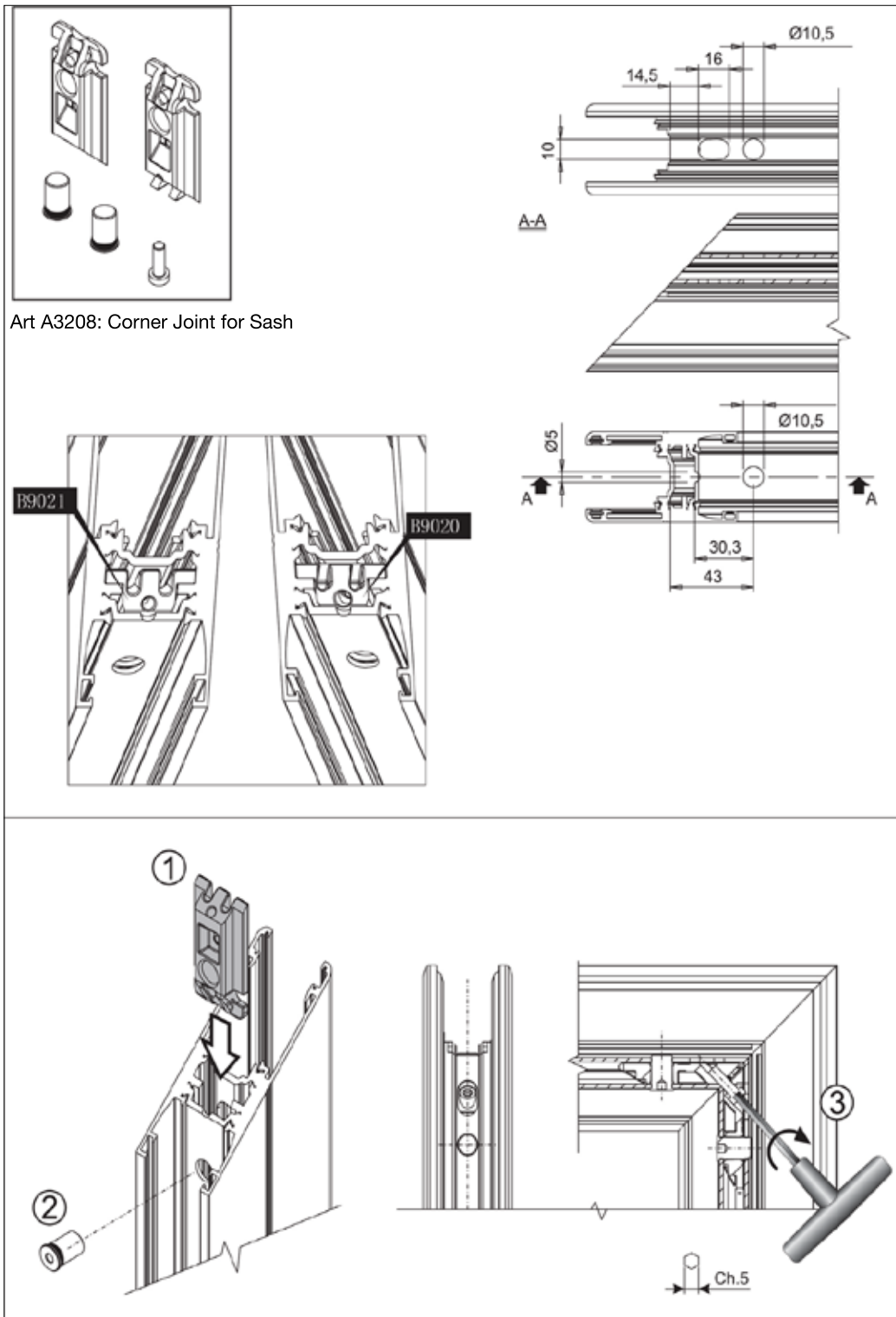
Art. A3215 Profile Alignment Corner Joint

Art. A 3216

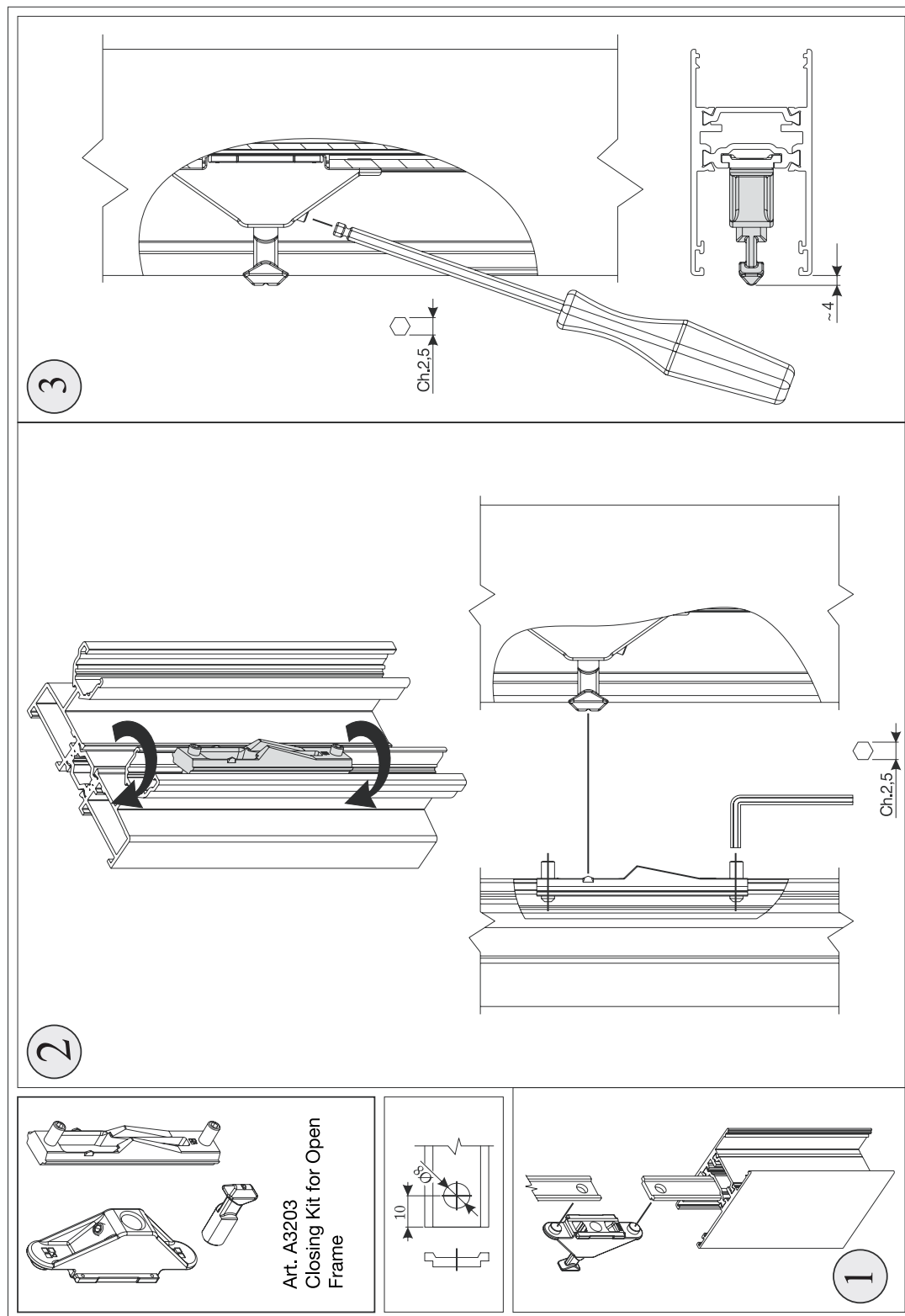


Art A3216 Corner Joint  
(Mosquito Screen)

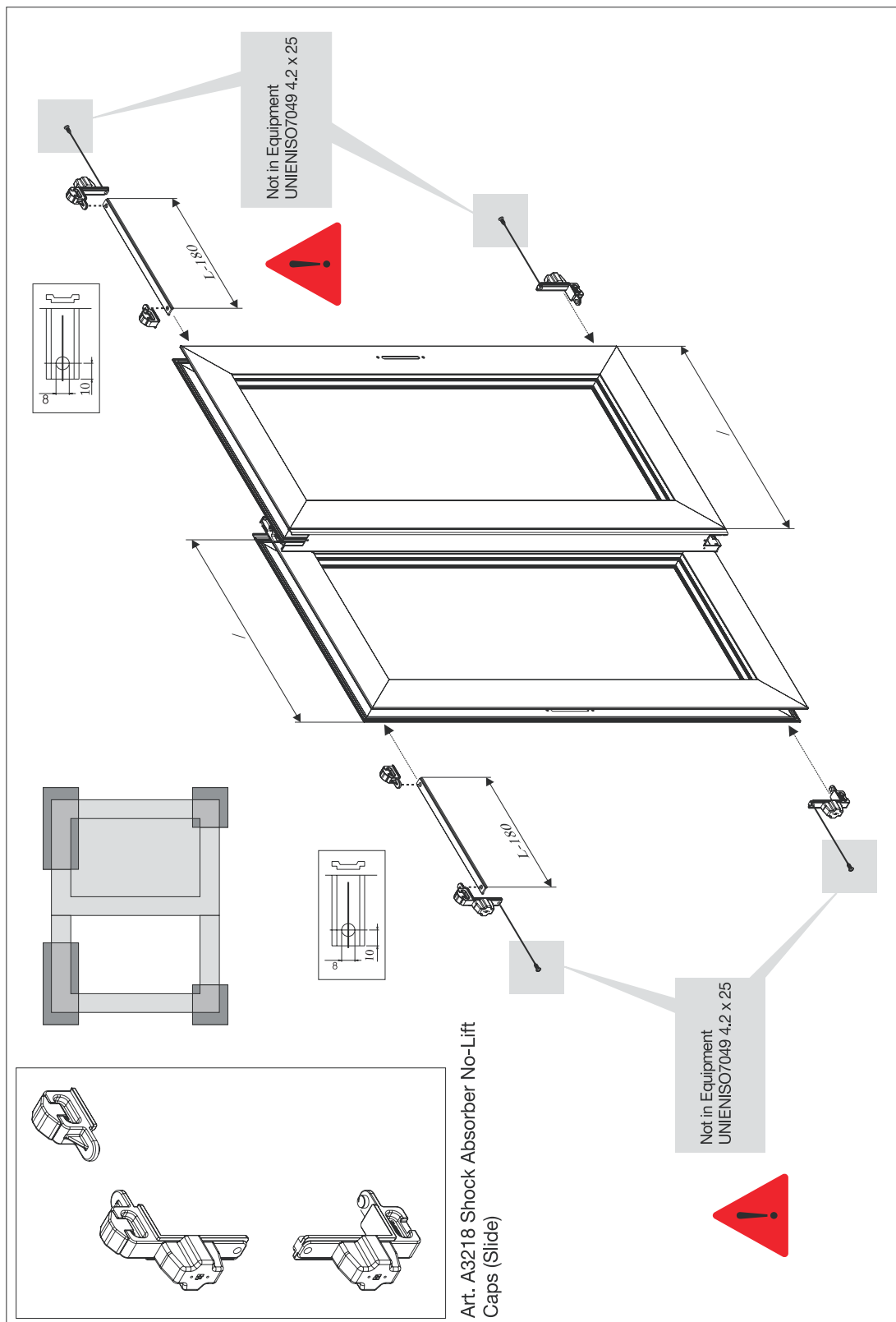
Art. A3208



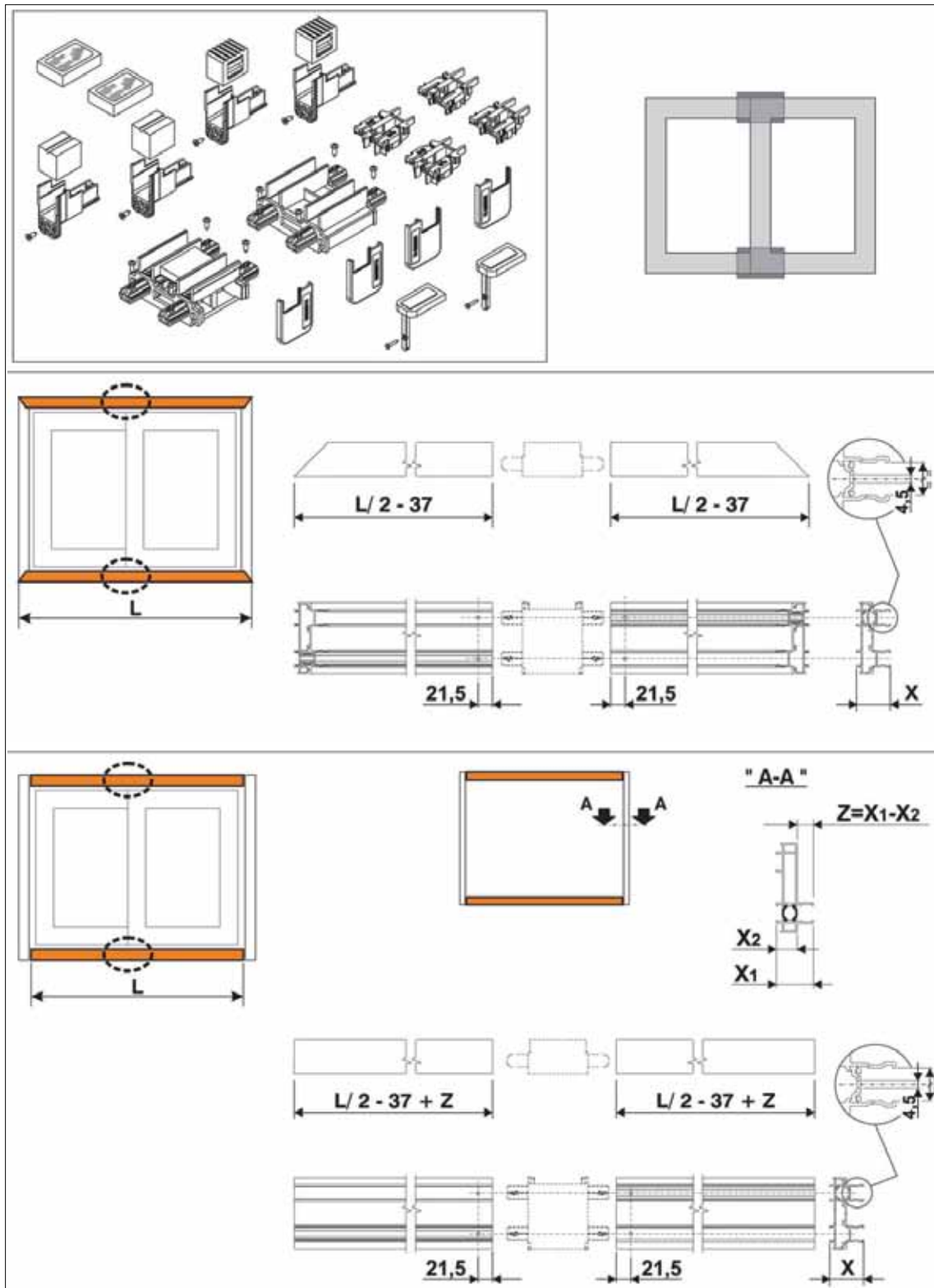
Art. A 3203



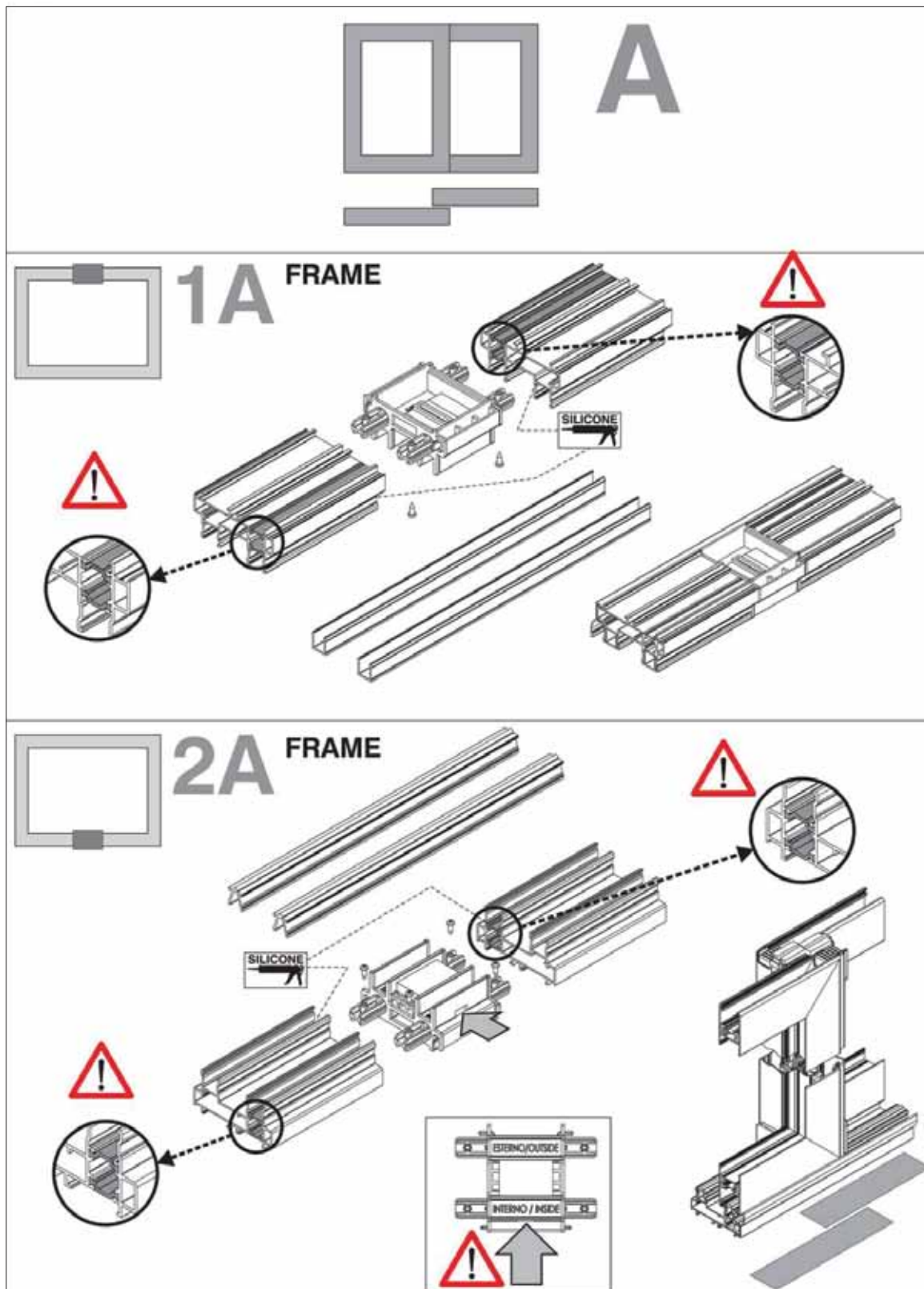
Art. A3218



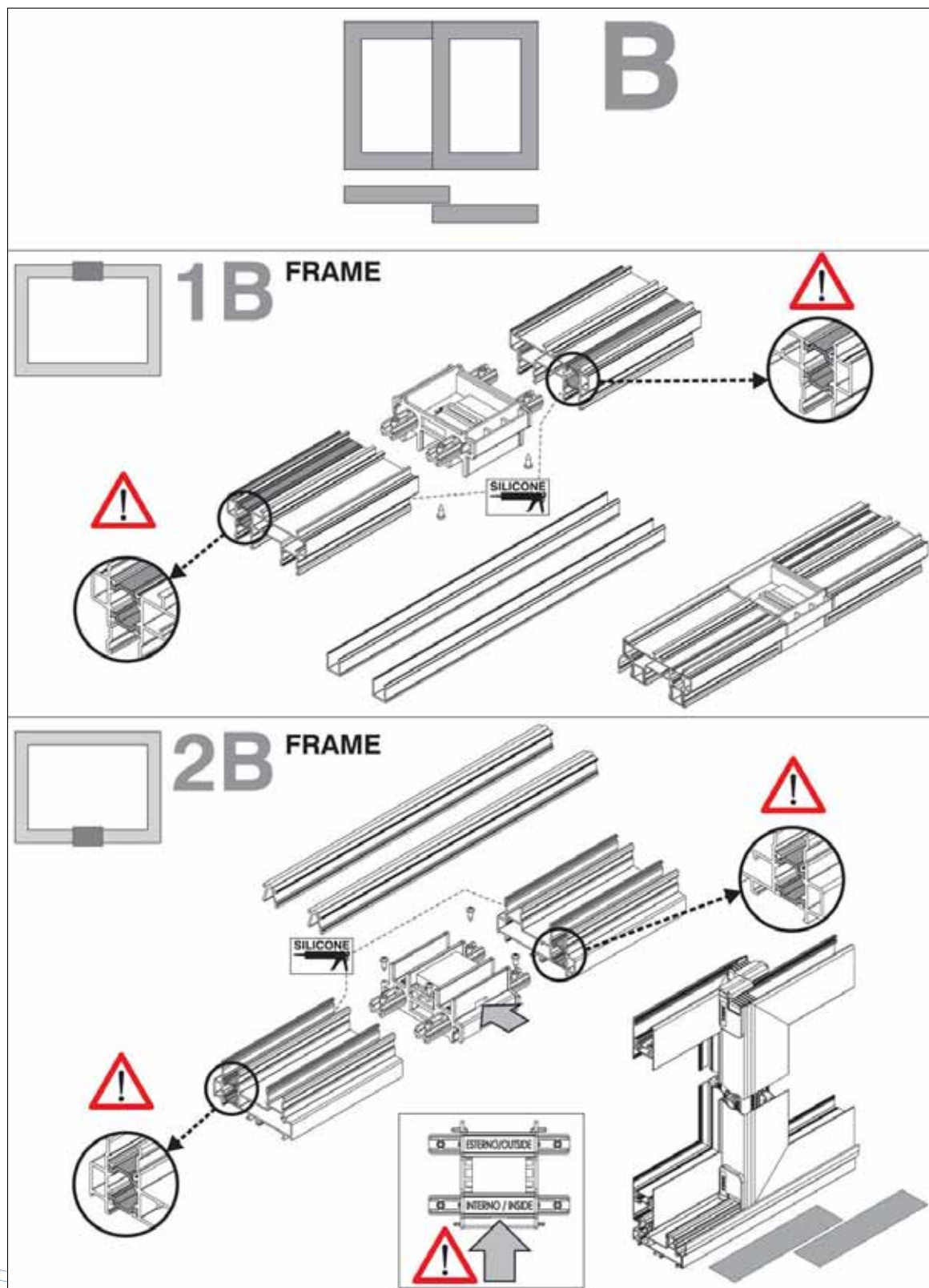
Art. A 3206



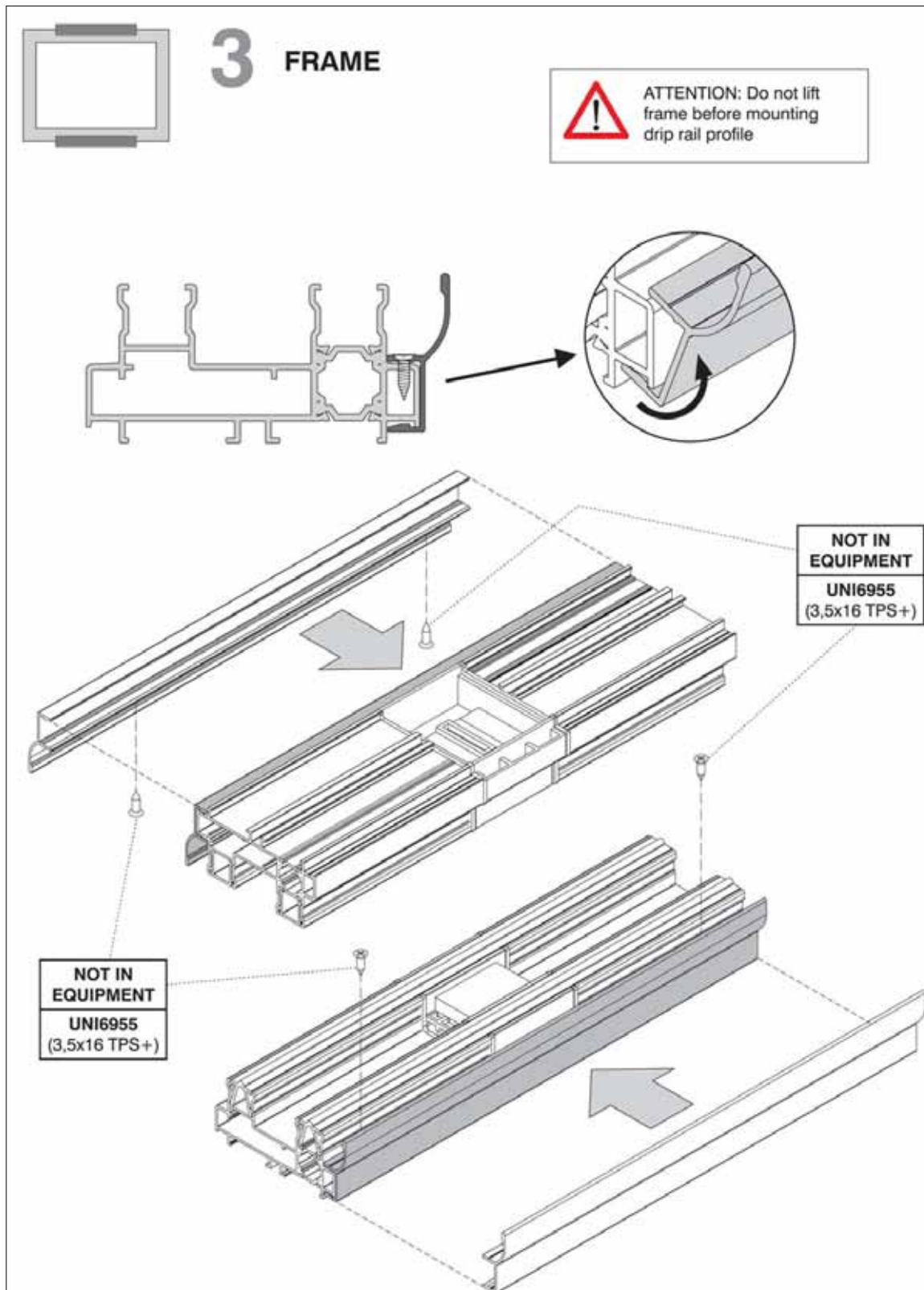
Art. A3206



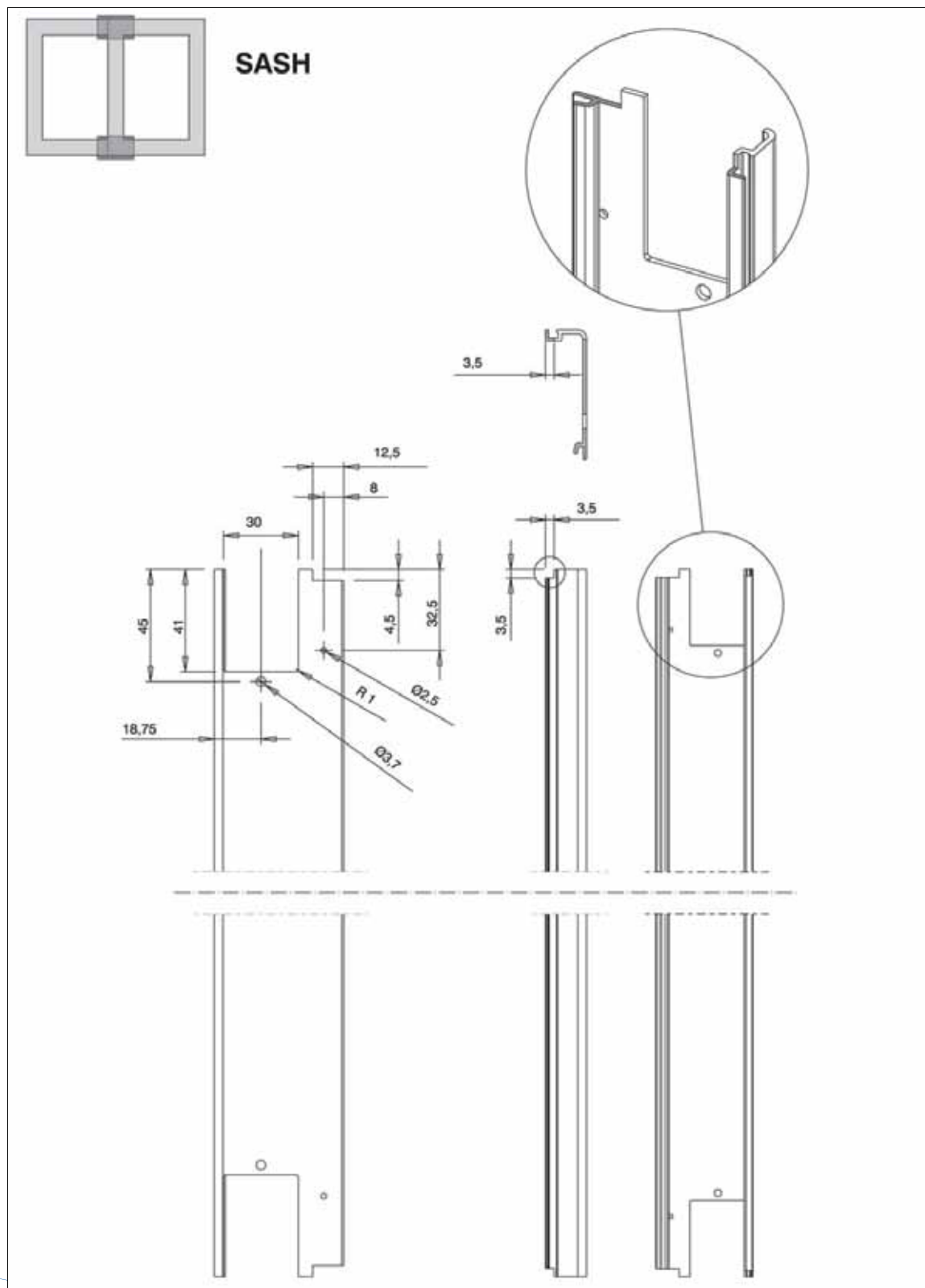
Art. A 3206



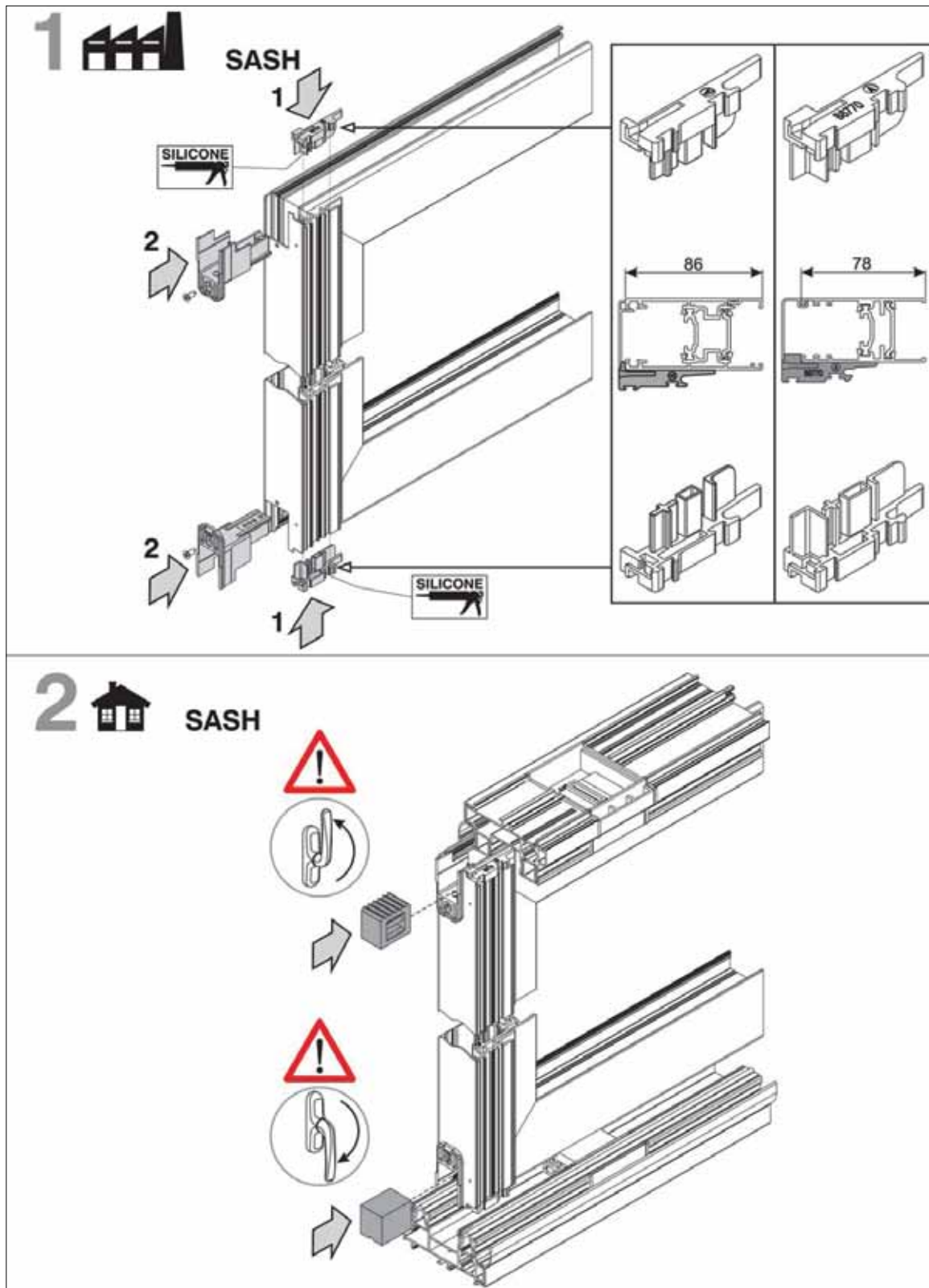
Art. A3206



Art. A 3206

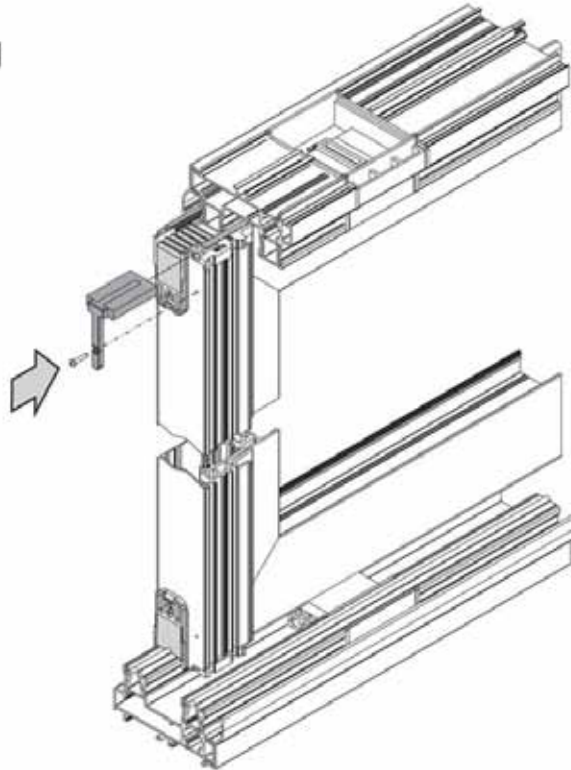


Art. A3206

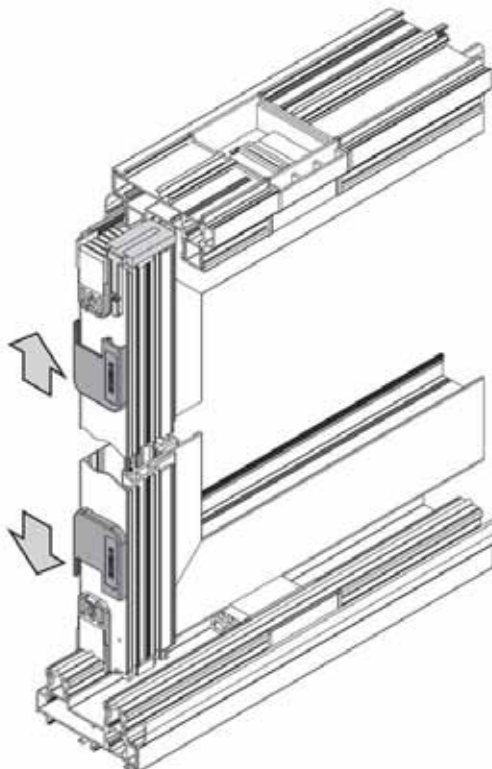


Art. A 3206

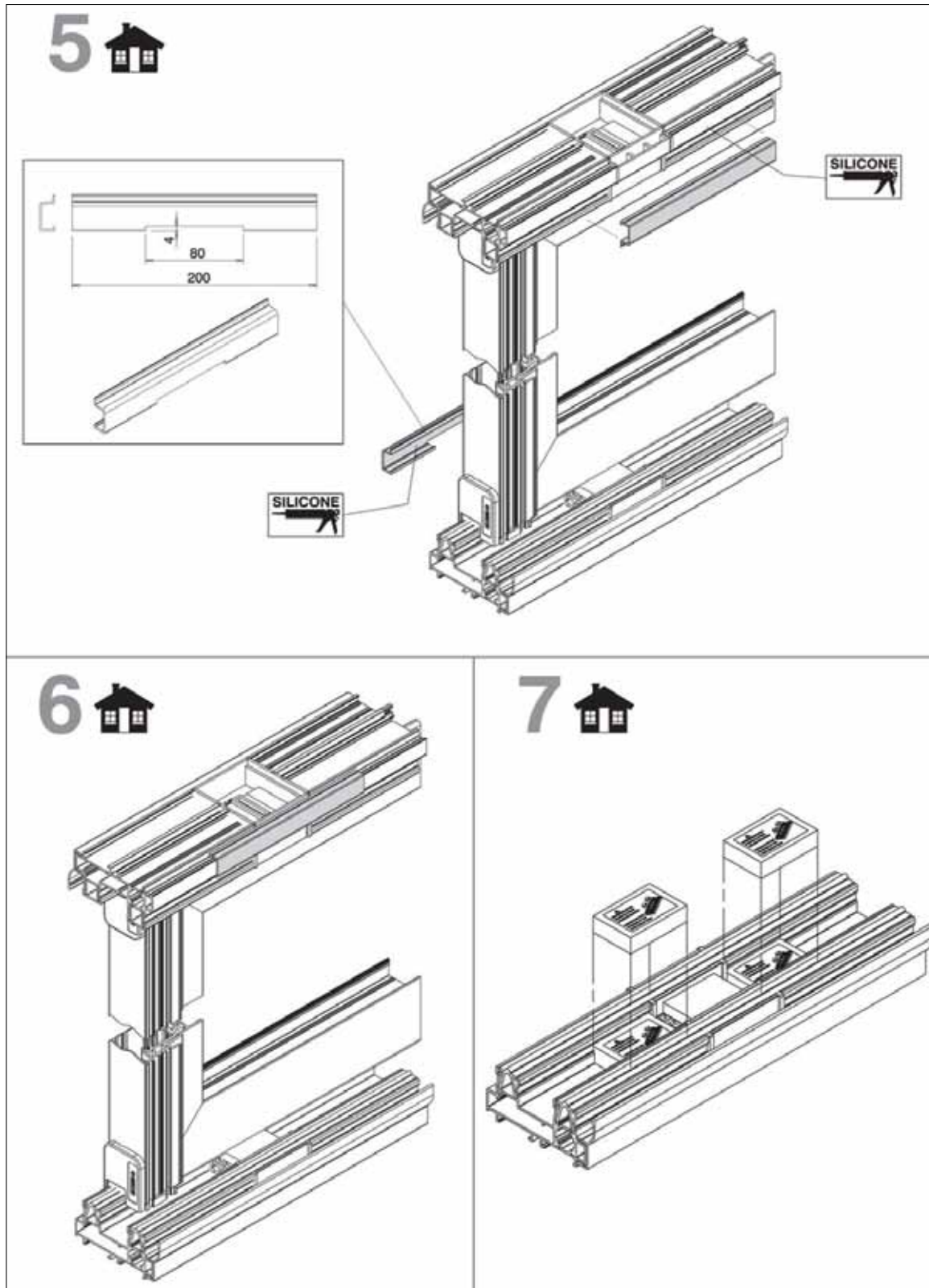
3  SASH



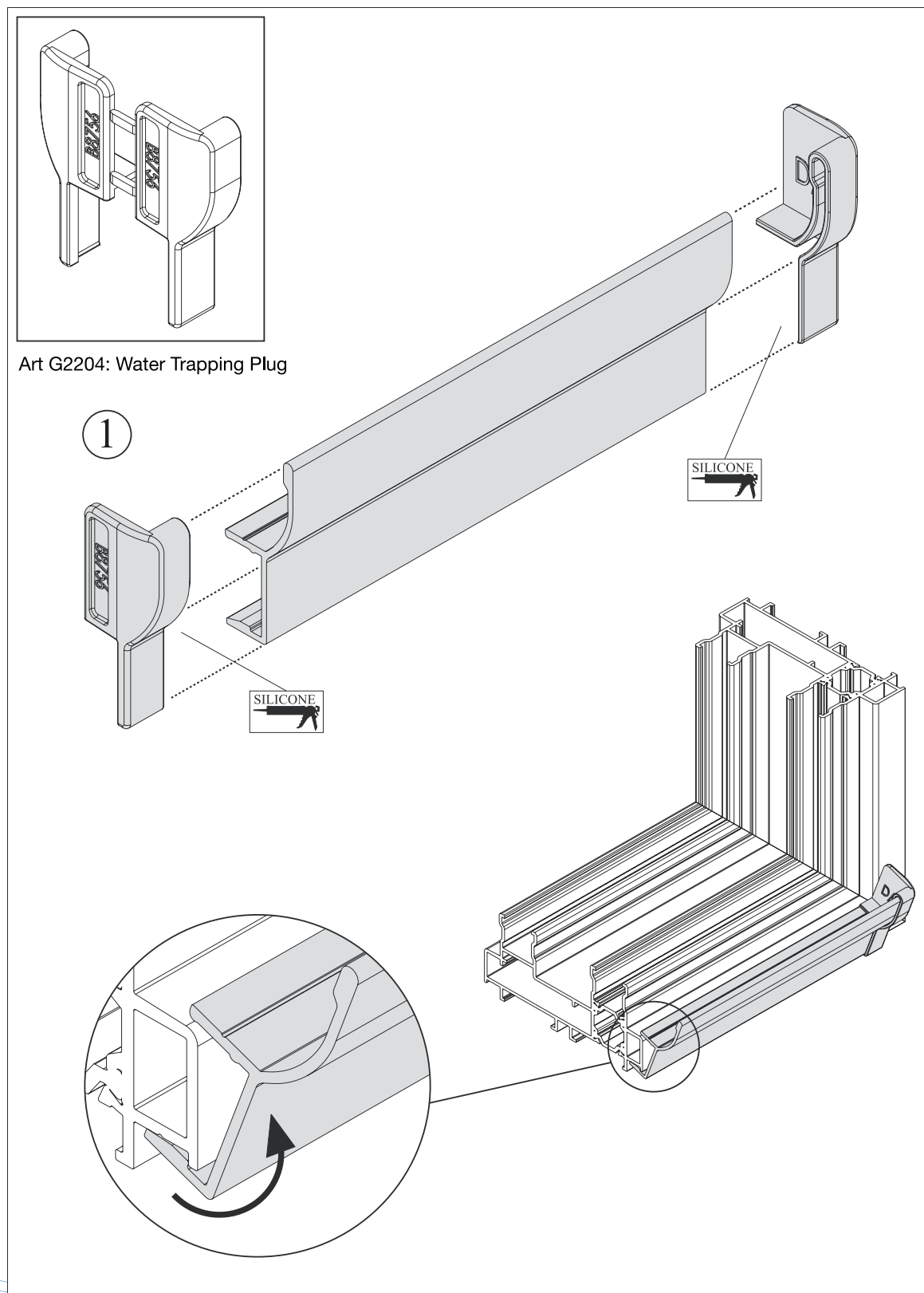
4  SASH



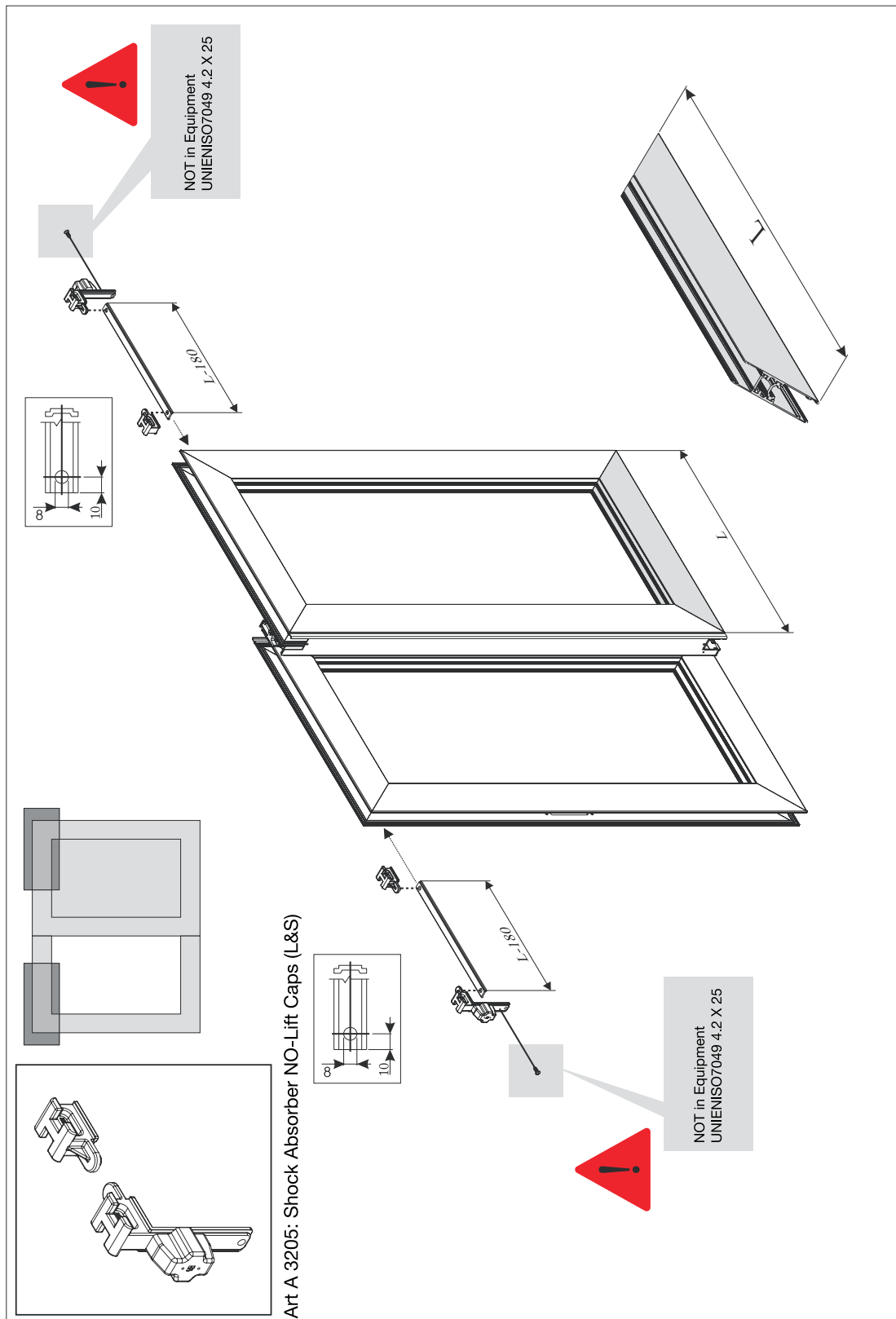
Art. A3206



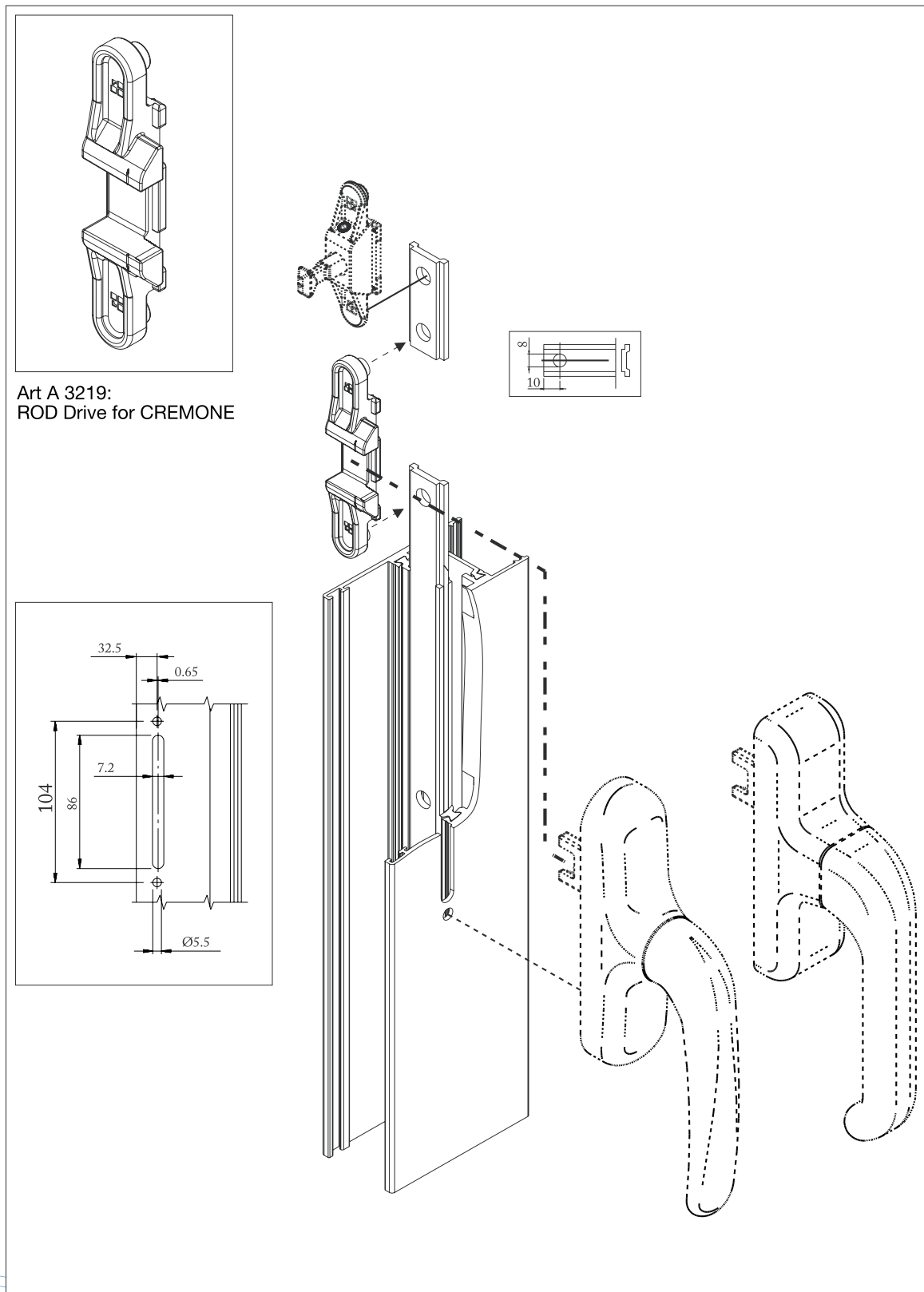
G2204



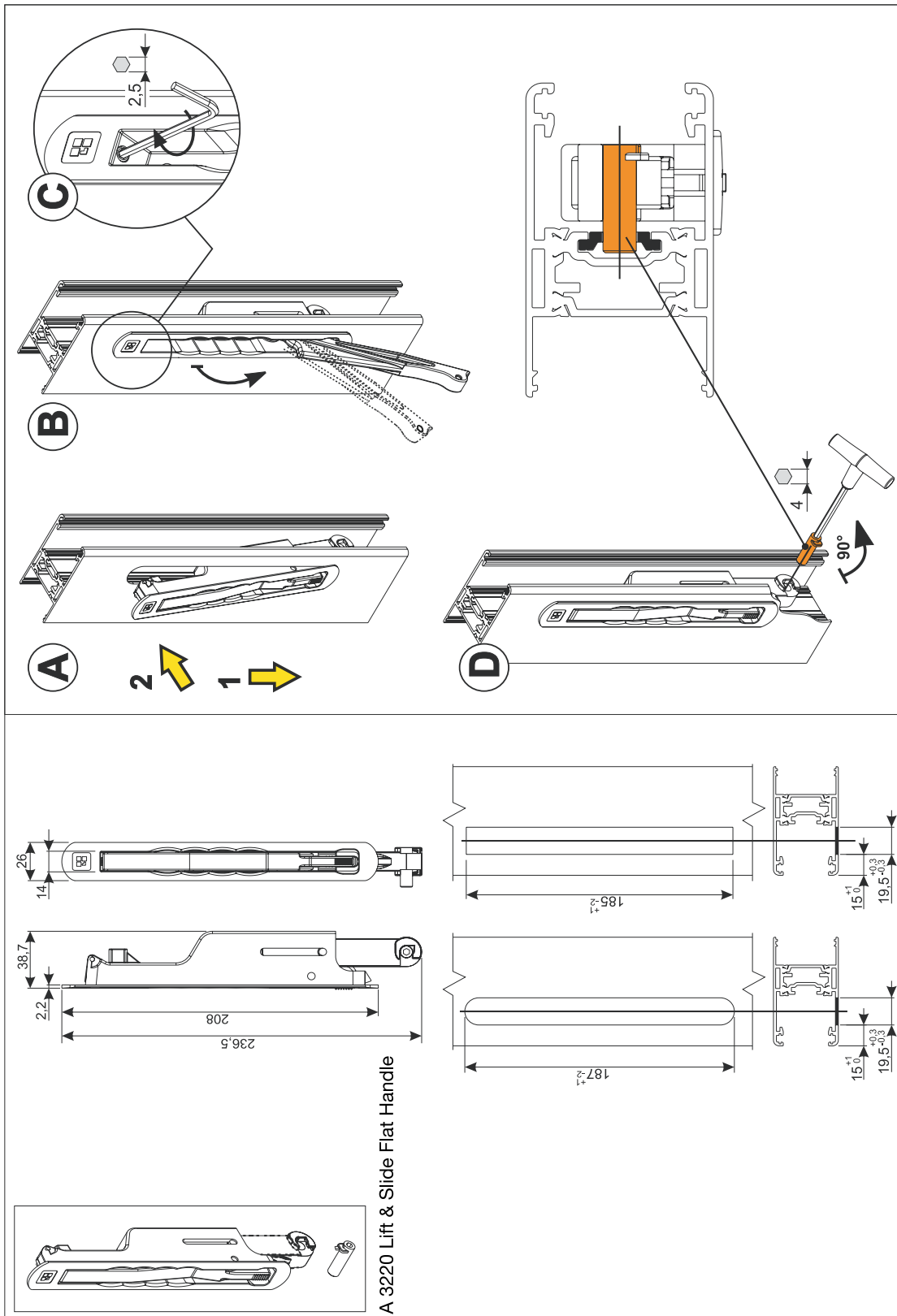
A 3205



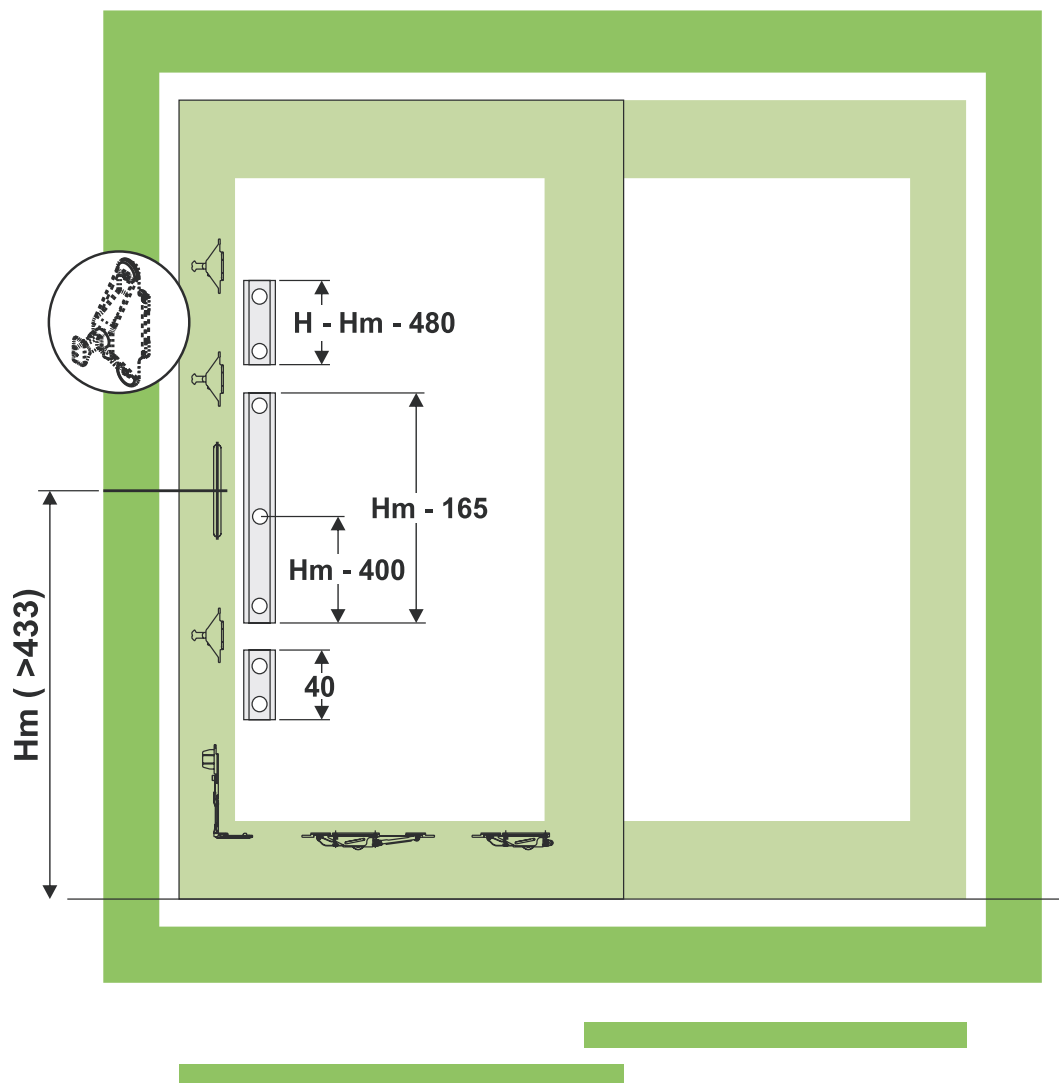
A 3219



A3220

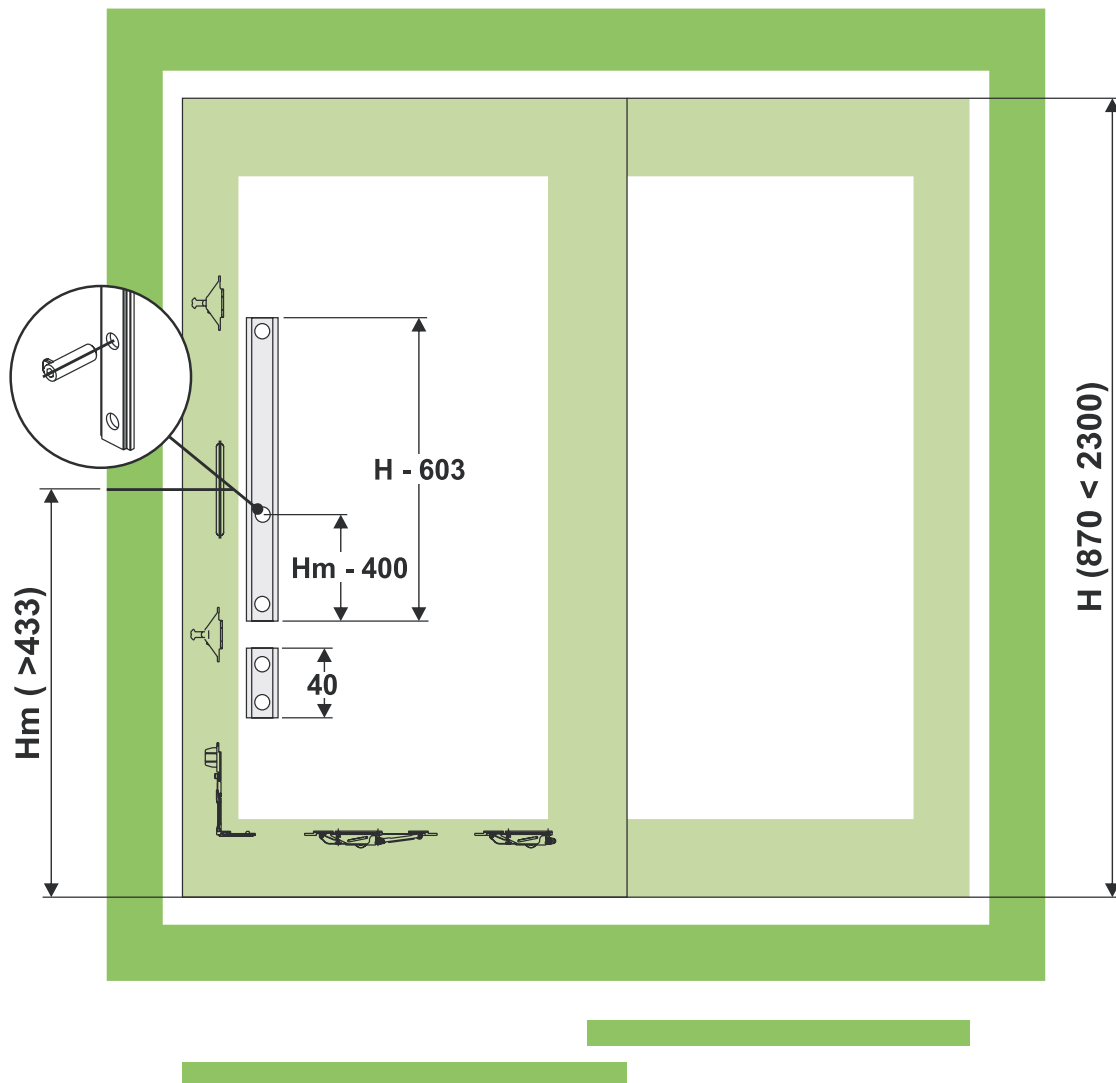


A 3220 Rod Cut



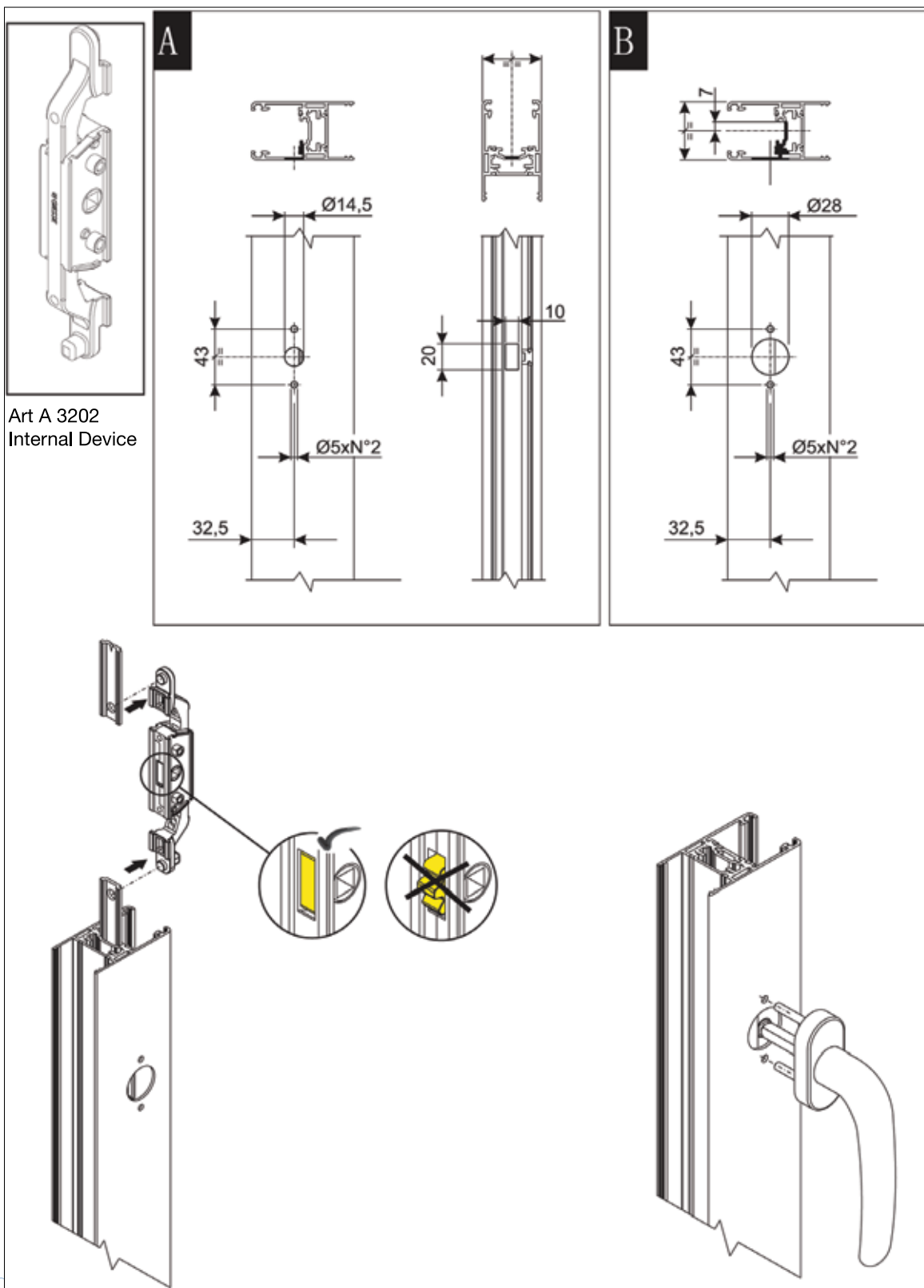
$H_m$  - Distance to the bottom  
(set the location of Handle MARTELLINA)

A 3220 Rod Cut



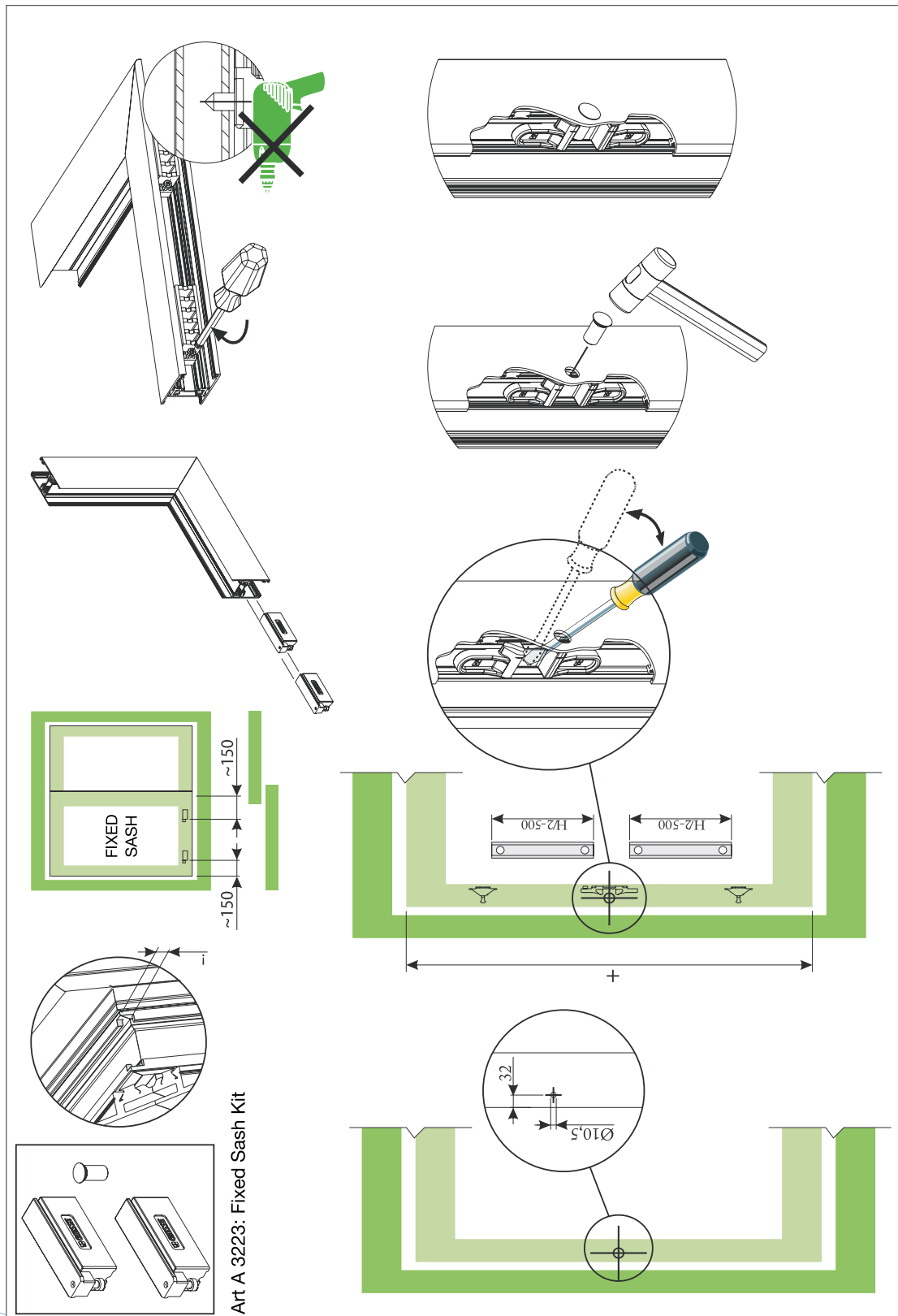
H - Height of Sash

A3202



Art A 3202  
Internal Device

Art. A 3223



**The System described is in subject to design changes or improvements with or without notice and Balexco will accept no liability on the final application or use of the system.**



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