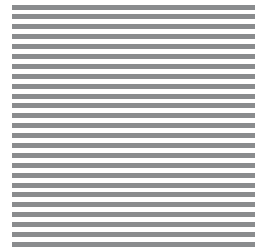
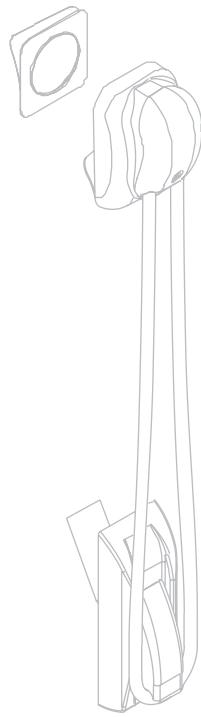


SL27C plissé

SL32C plissé

PLEATED BLIND

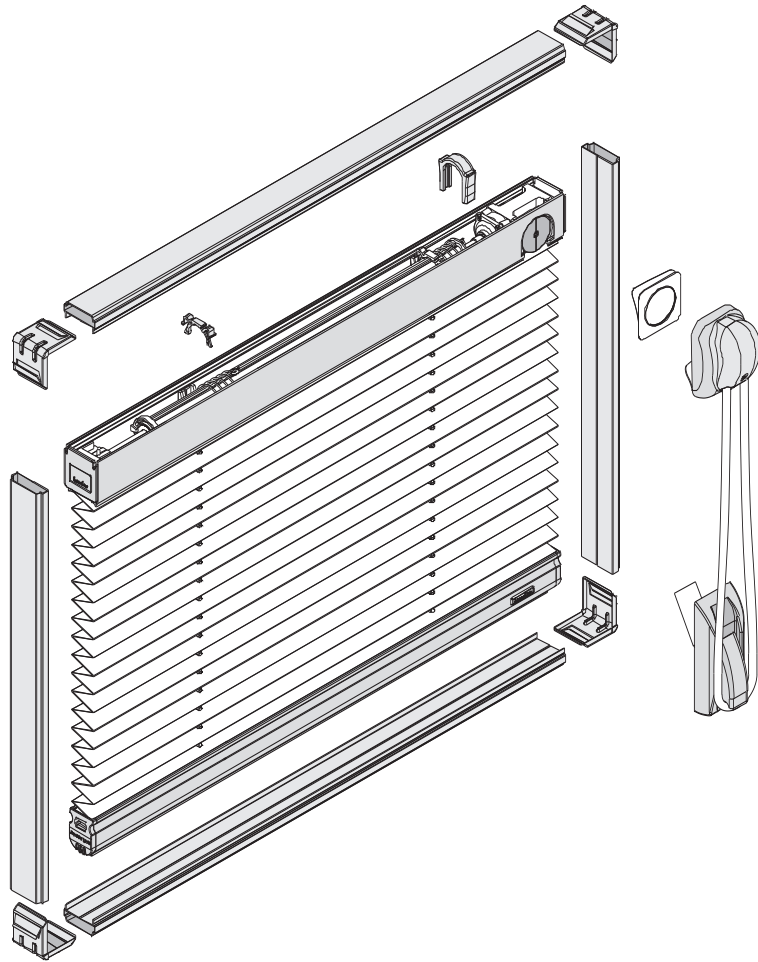


ScreenLine®

ScreenLine

SL27C plissé

SL32C plissé



The ScreenLine® pleated blinds SL27C or 32C for use in double-glazed units, are manufactured in accordance with high technical specification and production standards. The pleated blind operation is achieved using a rotational magnetic transmission through the glass thereby guaranteeing the unit's hermetic seal. The external magnet, fixed to the internal glass by double-sided high performance adhesive allows perfect alignment with the internal magnet. The raising and lowering operation is achieved using a continuous cord loop that drives the external magnet. The cord is held lightly under tension by a cord tensioner on the glass directly below the external magnet. A dedicated mechanical end stop inside the head rail ensures a safe stop of the blind in the bottom position.

Height	300 ~ 2.200 mm
Width	300 ~ 2.500 mm
Maximum area	see feasibility tables
Blind pack height	1% blind height + 65 mm

1. technical features

Magnetic drive components

Fibreglass re-inforced nylon 66 casing. Transmission gears and parts manufactured from carbon-nitride steel. Ball bearing support for both magnets and gears.

Neodymium-Iron-Boron magnets with the following technical features:

Energy produced	Bh max-Mg.Oe	33-35
Residual induction	Br-Gauss	11.000 / 12.000
Coercive force	Hc-Oestered	10.000
Maximum working temperature	°C	120
Curie temperature	°C	310
Reversible temperature factor	°C	-0.12%

Head rail

Extruded aluminium, A6063S-T5 alloy. Dimensions: width 27 mm, height 34 mm.

Powder coated in aluminium grey colour. Includes interlocking design mechanism for easy and quick assembling of head rail to the upper U-shaped spacer bar.

Verosol® fabric

Woven polyester fabric, 20 mm pleat, with an aluminium microfilm applied through an exclusive vacuum technique (three-chamber system). The microfilm adhesion complies with the EN-ISO 7523 regulations and the fabric is Class 1 (one) Flame-Retardant. Colours available: 6.

Vanity fabric

Woven polyester fabric, 20 mm pleat, non flame retardant, not metallized. Colours available: 2.

Performance characteristic of the Verosol® fabric

Pleated Verosol Fabric	Solar reflection %	Light reflection %	Solar absorption %	Solar transmission %	Light transmission %
812	71	66	20	9	9
816	52	50	28	20	22
875	74	74	21	5	5

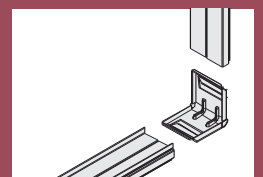
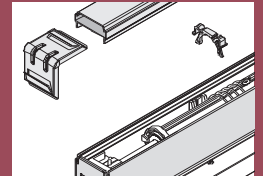
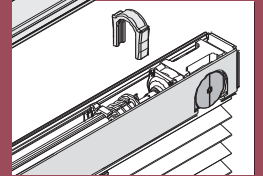
Performance characteristic of the Vanity fabric

Pleated Vanity Fabric	Light reflection %	Light absorption %	Light transmission %
White C000	46	4	51
Cream C010	40	13	46

Bottom rail

Extruded aluminium A6063S-T5 alloy. Dimensions: width 20 mm, height 30 mm.

Powder coated to aluminium grey colour. Manufactured in two interlocking profiles.



SL27C plissé

SL32C plissé

PLEATED BLIND

Cords

Thermo-fixed 100% polyester with internal core and excellent dimensional stability.

1.0 mm diameter internal cord with centre core - white.

4.0 mm diameter External cord - white, black or light grey.

Spacer bar

Extruded aluminium. Available in two versions for each system:

SL27: standard spacer bar - side flat spacer bars dimension 27 x 8 mm; superior and inferior "U" shaped spacer bar 27 x 8 mm with 4 mm clipping projection for head-rail connection.

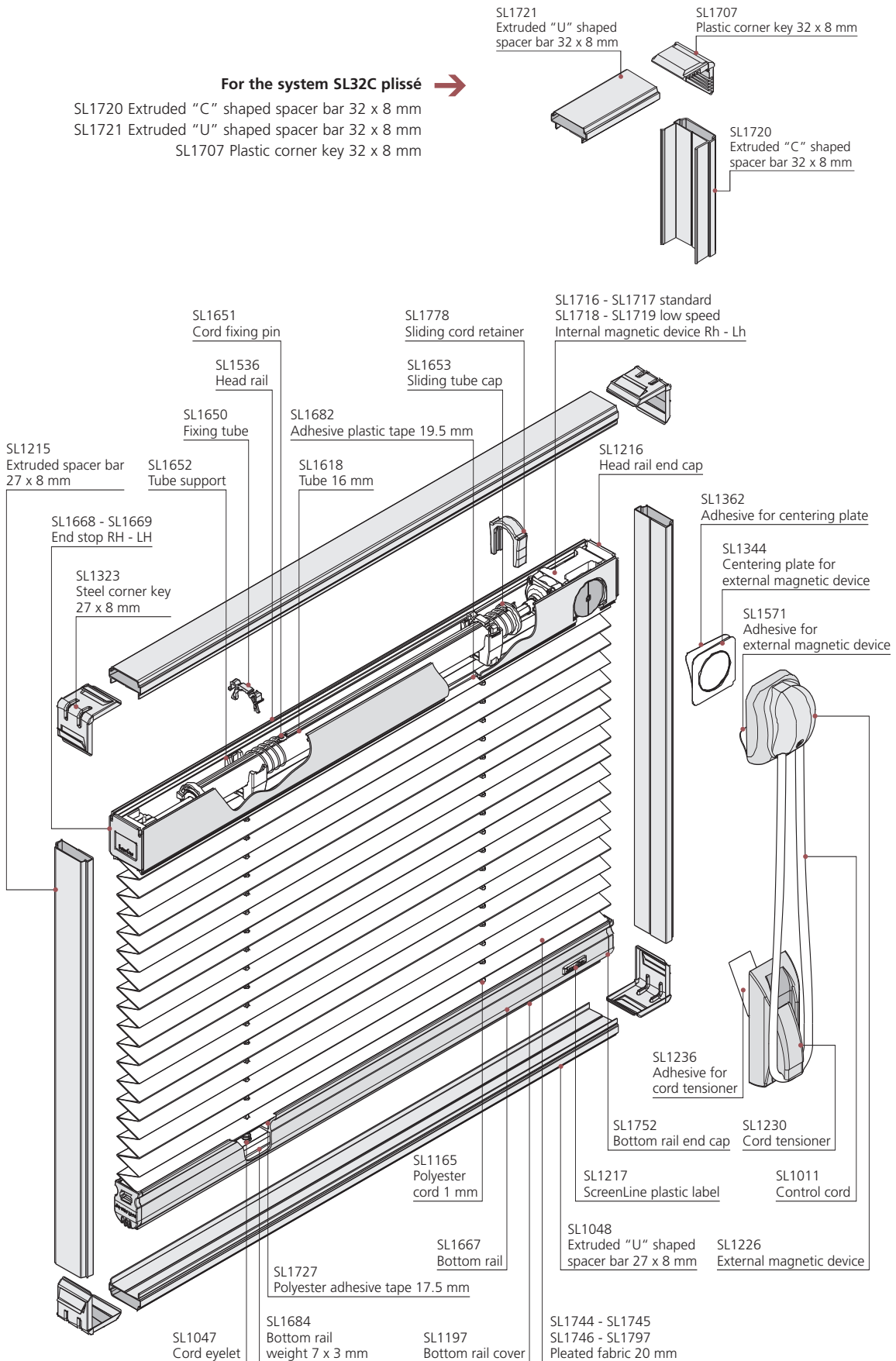
SL32: "C" side spacer bar dimension 32 x 8 mm with 12 mm pelmet; "U" shaped spacer bar 32 x 8 mm. with 4 mm clipping projection.

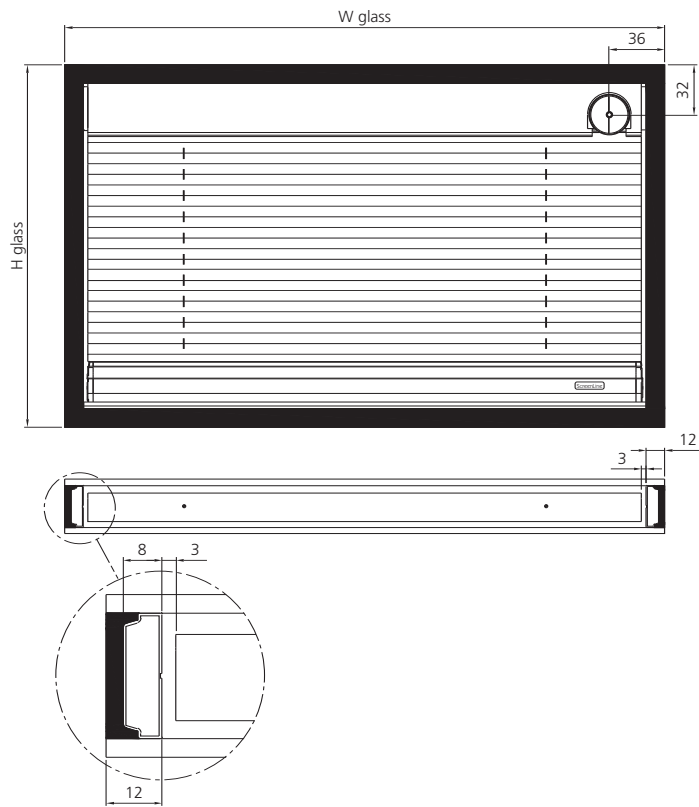
"No dust treatment" available for "C" shaped (32 mm) spacer bars.

SL27C plissé

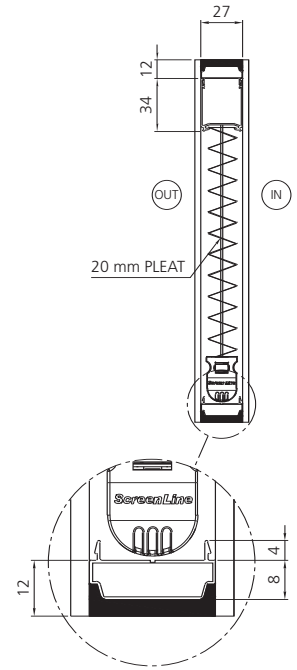
2. technical drawings

comprehensive drawing with component codes

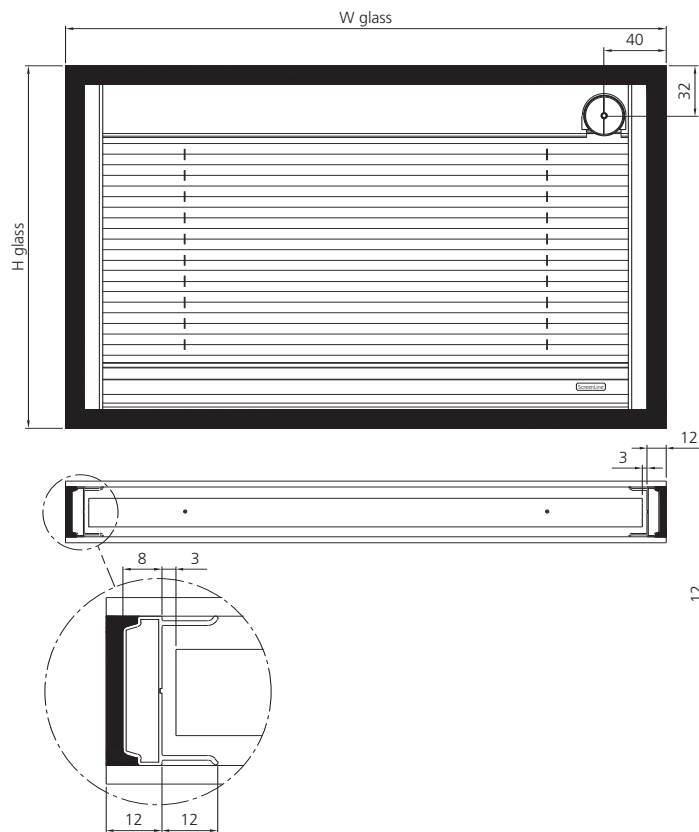




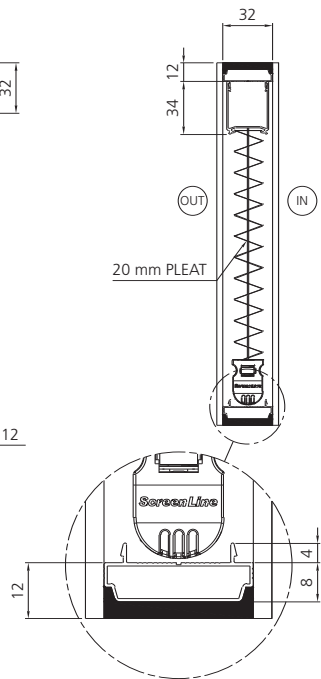
EXTRUDED FLAT SIDE SPACER BAR 27 x 8 mm



EXTRUDED "U" SPACER BAR 27 x 8 mm

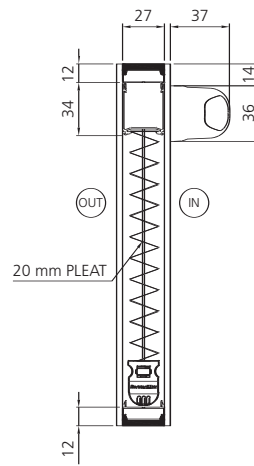
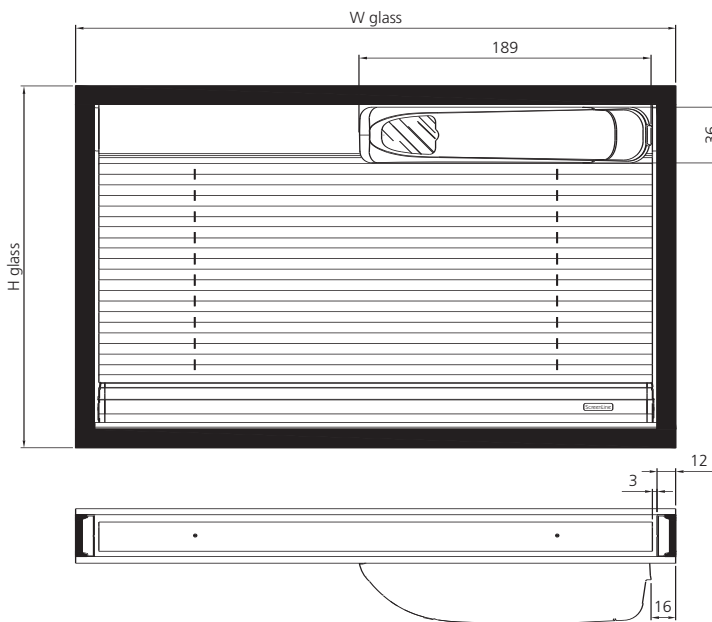
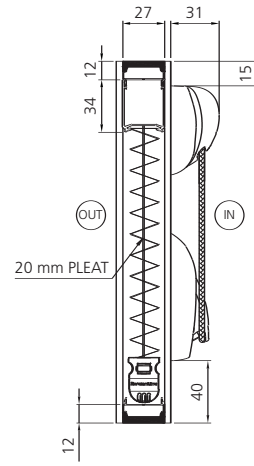
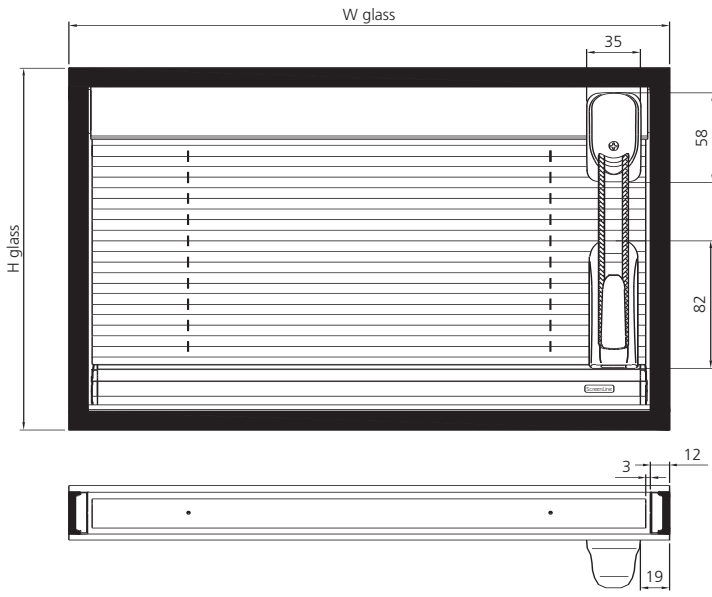


EXTRUDED "C" PROFILE SIDE 32 x 8 mm



EXTRUDED "U" PROFILE 32 x 8 mm

raising and lowering function



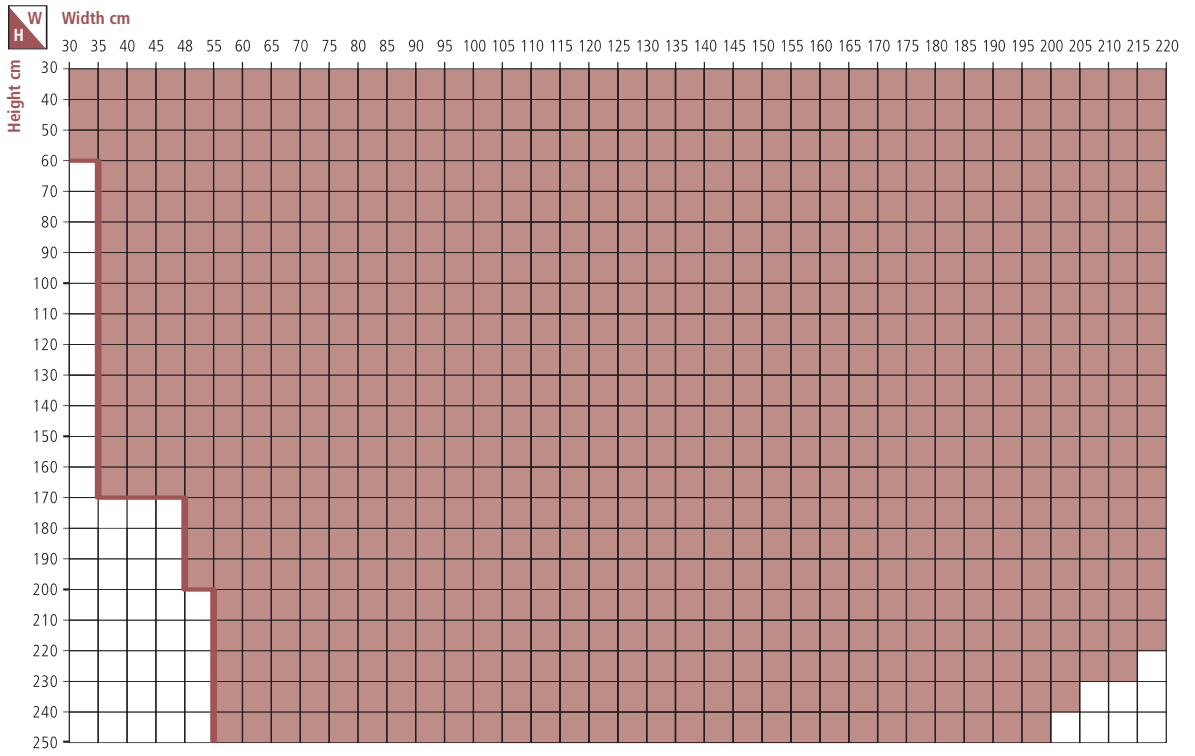
SL27C plissé double-glazed unit with cord operation

SL27C plissé double-glazed unit with external motor

SL27C plissé

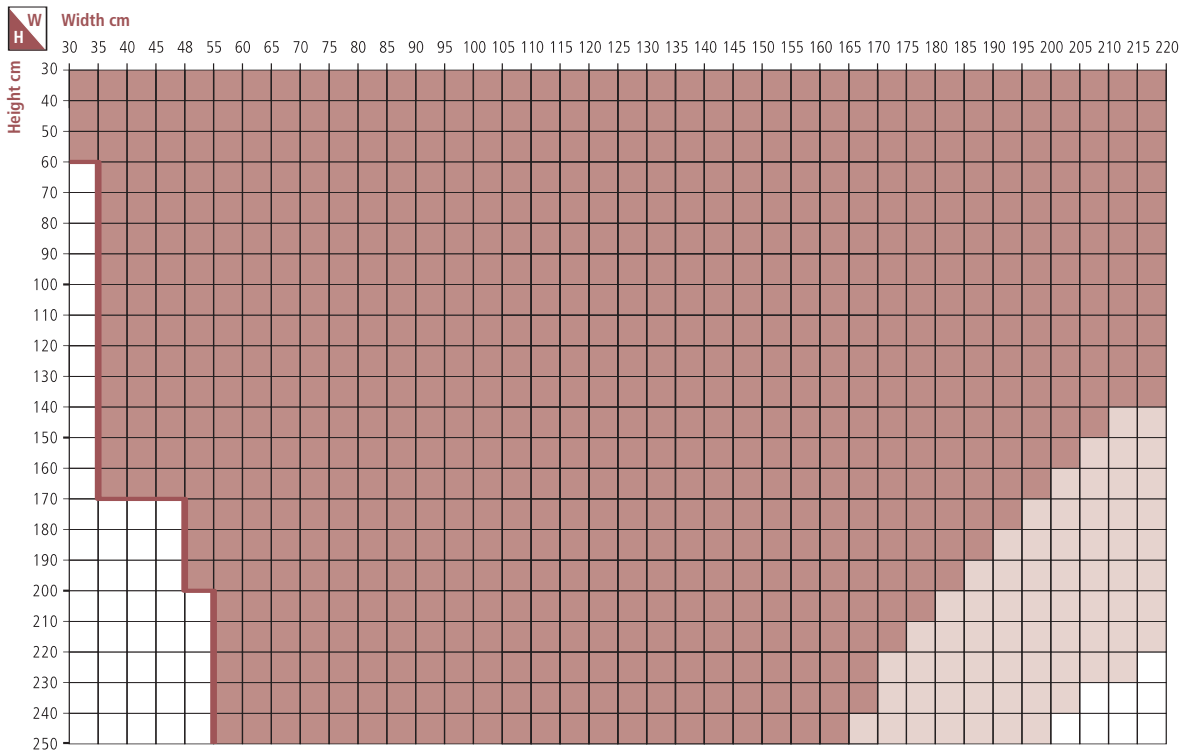
4
5

glass thickness **4 mm** and **5 mm** Monolithic



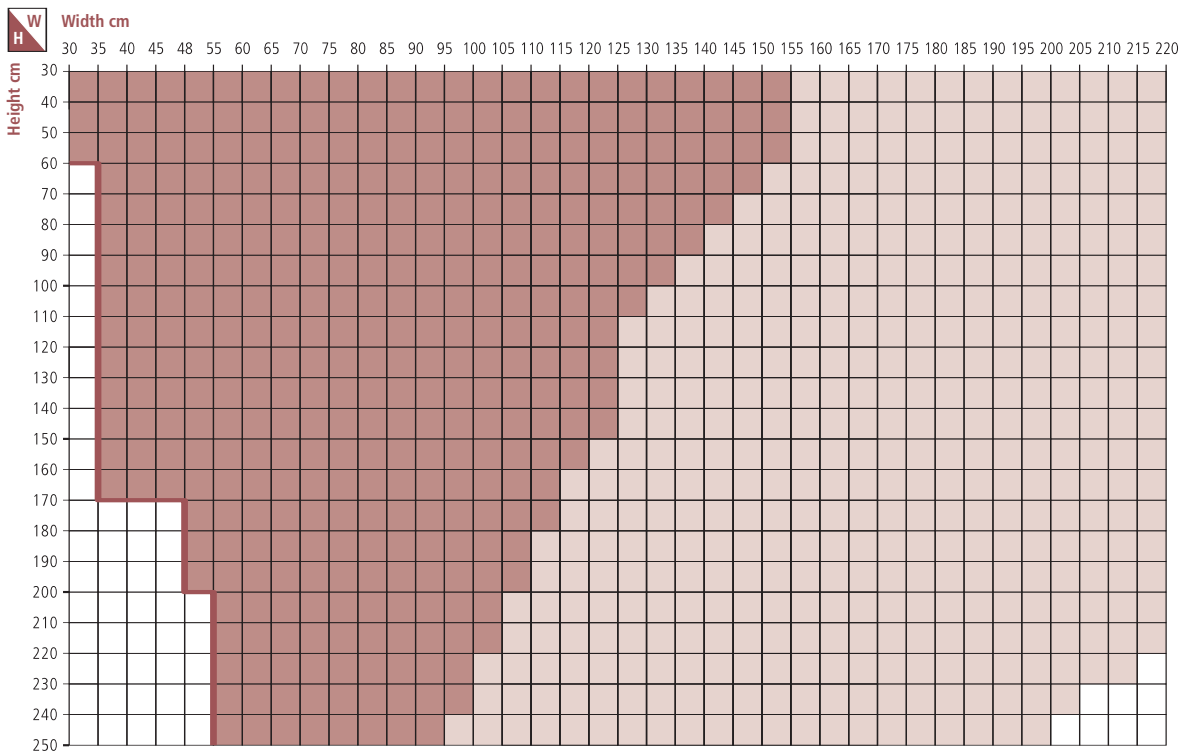
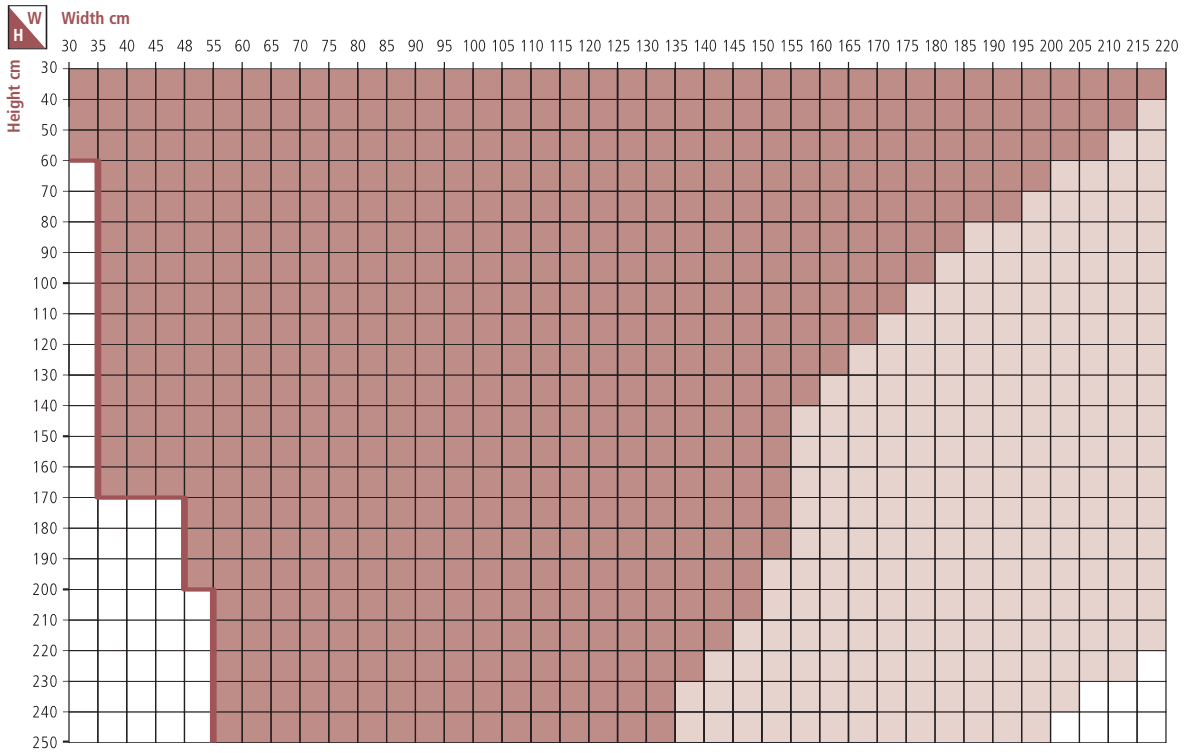
6

glass thickness **6 mm** Monolithic



- Raisable with standard speed System
- Raisable with reduced speed System
- Not feasible

3. feasibility

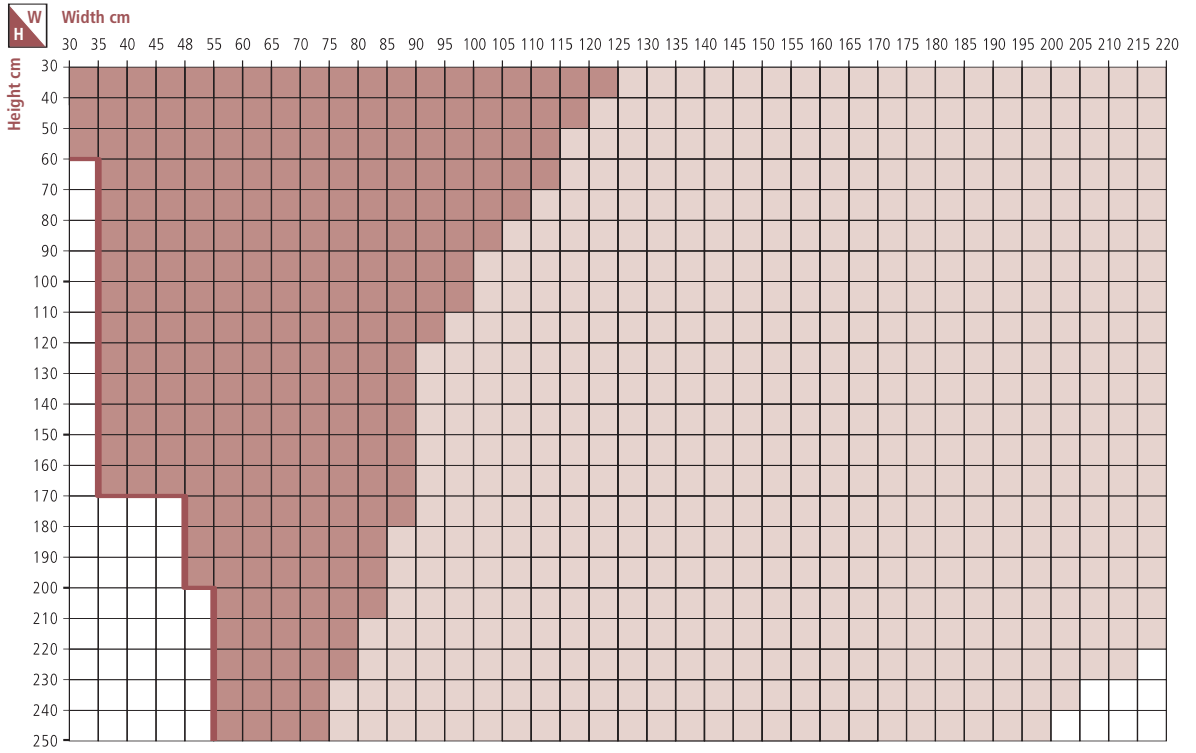


Raisable with standard speed System
 Raisable with reduced speed System
 Not feasible

SL27C plissé

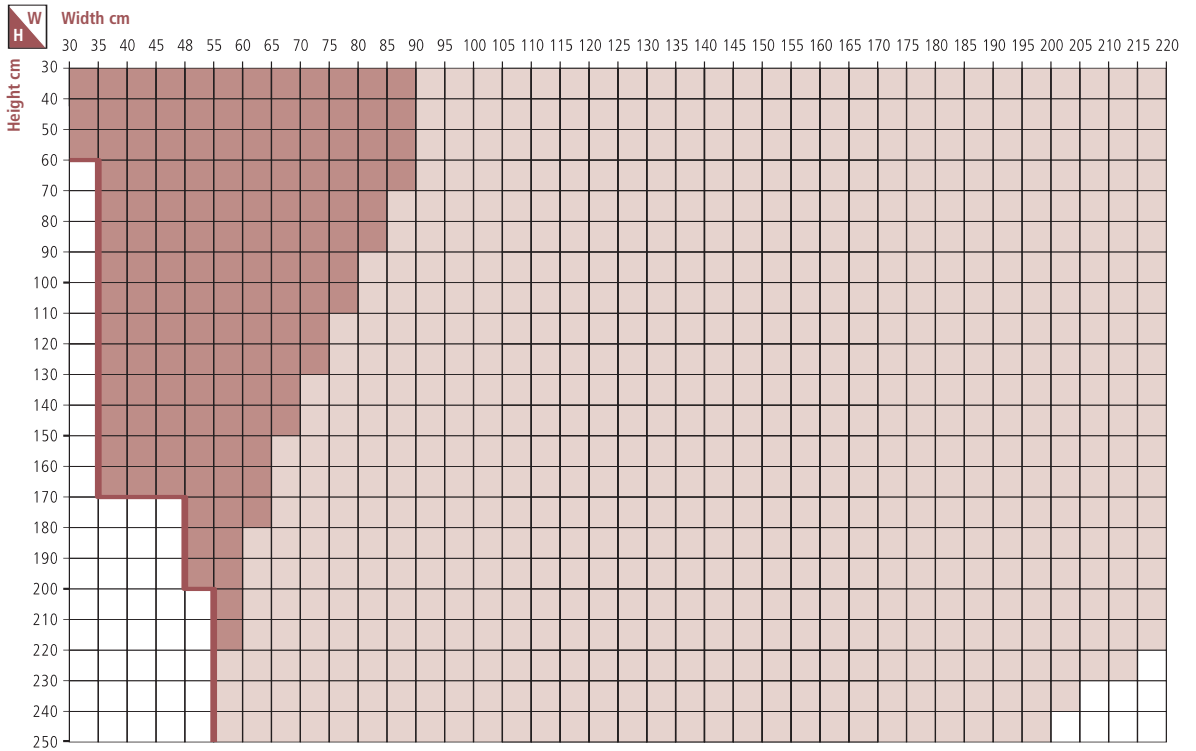
9

glass thickness **9 mm** Laminated 44.1 44.2



10

glass thickness **10 mm** Monolithic

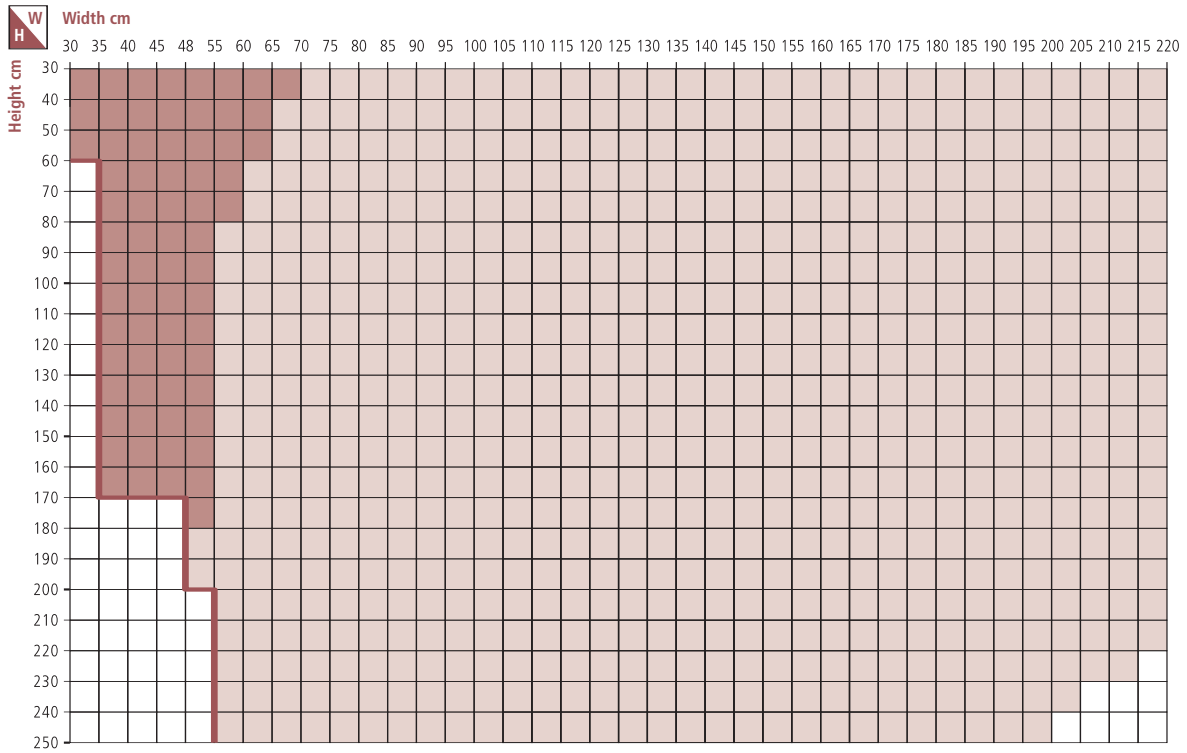


Raisable with standard speed System

Raisable with reduced speed System

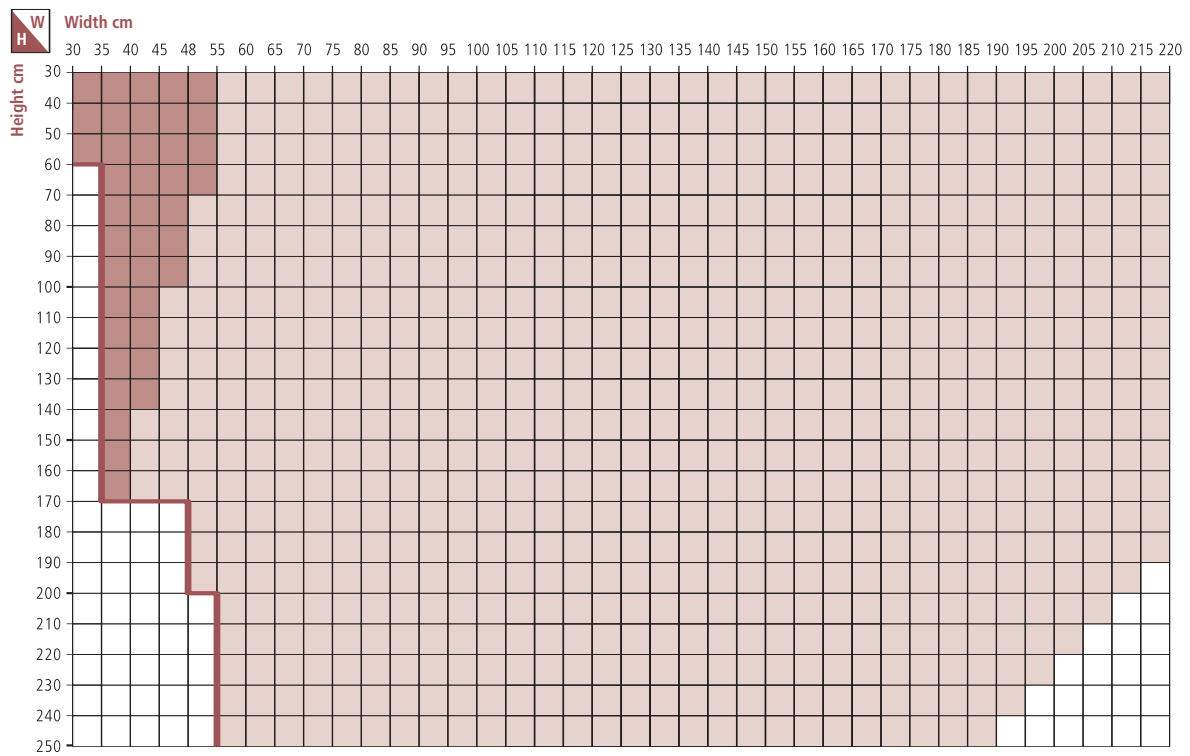
Not feasible

feasibility



11

glass thickness **11 mm** Laminated 55.1 55.2 55.4



12

glass thickness **12 mm** Monolithic

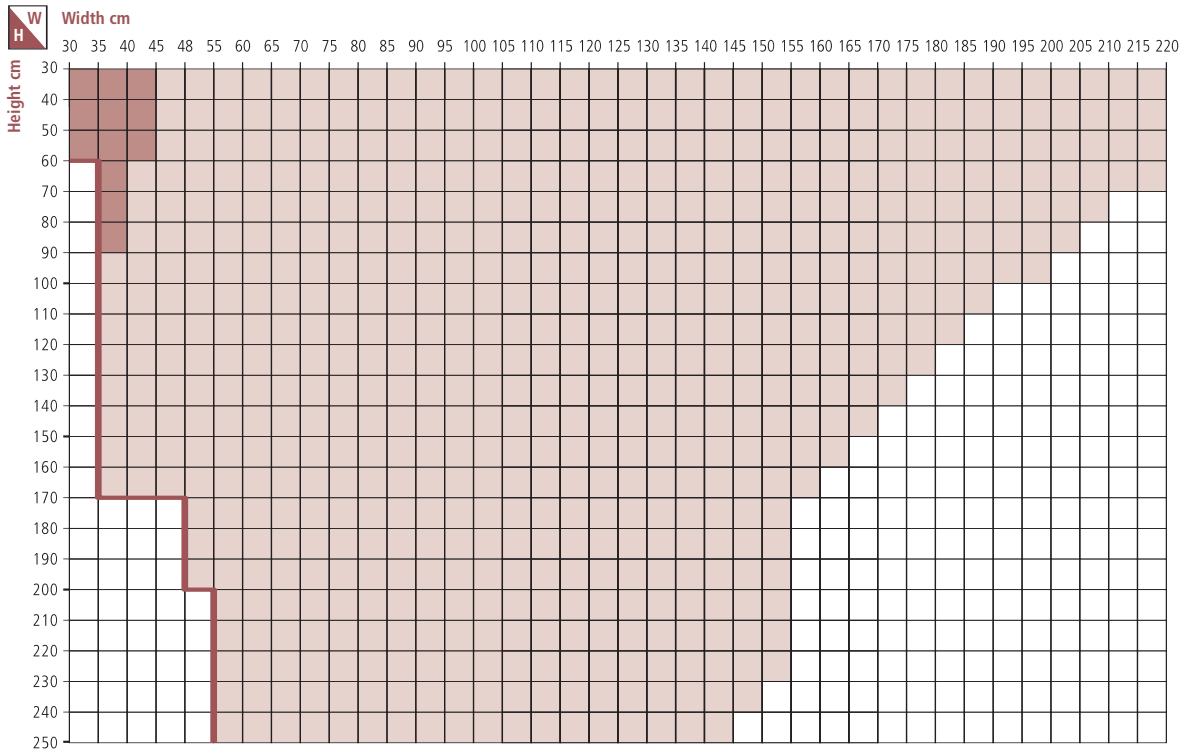
- Raisable with standard speed System
- Raisable with reduced speed System
- Not feasible


SL27C plissé


feasibility


13

glass thickness 13 mm Laminated 66.1 66.2 66.4



 Raisable with standard speed System

 Raisable with reduced speed System

 Not feasible

ScreenLine® kit components

On receipt of the goods, check the integrity of the package and confirm that the components are as detailed on the Purchase Order. The kit comprises: **A**

- pleated blind comprising a magnetic control system integrated inside the head rail
- 2 No. top / bottom U-profile spacer bar (width)
- 2 No. flat profile side spacer bars (height)
- 4 No. steel corner keys
- external magnetic control kit including aluminium centering base plate plus cord with cord tensioner, all with factory applied adhesive tape.

Assembly of the integral blind unit

Spacer bars preparation

Fill the appropriate side spacer bars with requisite amount of molecular sieve and assemble them with the bottom spacer bar. **B**

Assemble with the head-rail / top spacer bar to form the complete spacer frame.

Extrude the butyl primary seal on the formed frame in a continuous line, in accordance with EN 1279-2. **C**

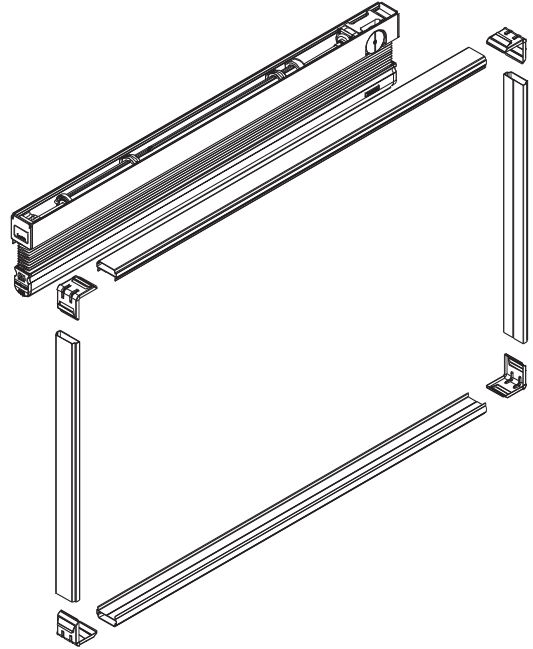
Line assembly

Pass the first glass through the washer either on its base or on its height.

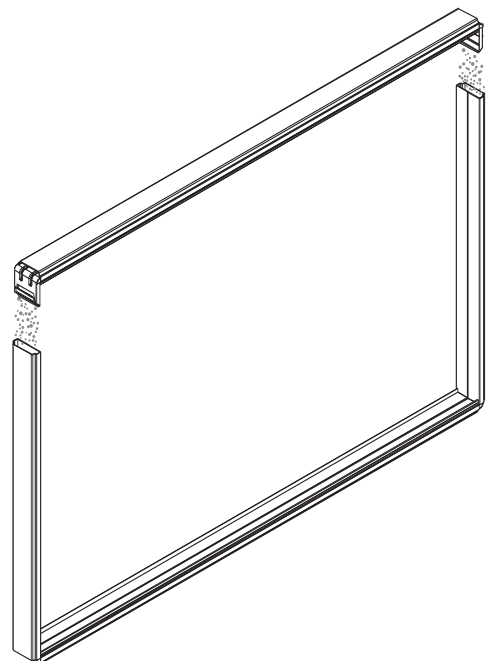
Remove the plastic protective film from the blind / head-rail, align the head rail with the top spacer U-profile and clip together to form a mechanical bond, ensuring that the fabric does not remain entrapped between head rail and spacer bars. **D**

Position the spacer frame uniformly on the glass ensuring it is perfectly parallel and square (avoid inwards deflection of the side spacer bars) and that the internal magnet faces the internal glass surface; press to obtain a high degree of adhesion.

Proceed with the assembling of the second glass and pass through the on-line pressing system. **E**

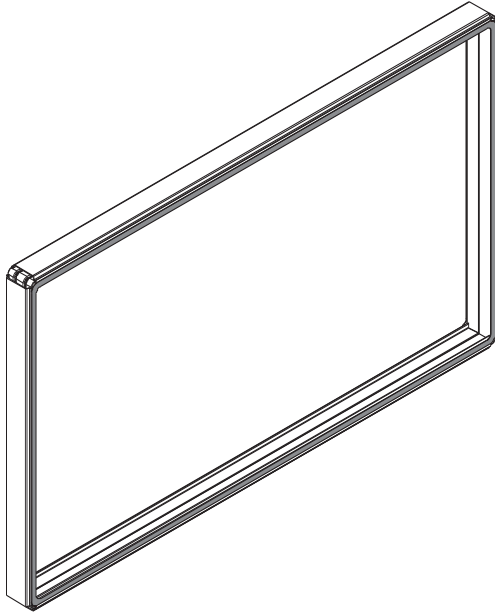


A composition kit



B spacer bars assembly

assembly instructions



Gas filling

Following the approved procedure, replace the internal air with argon.

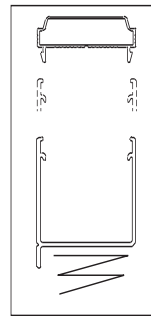
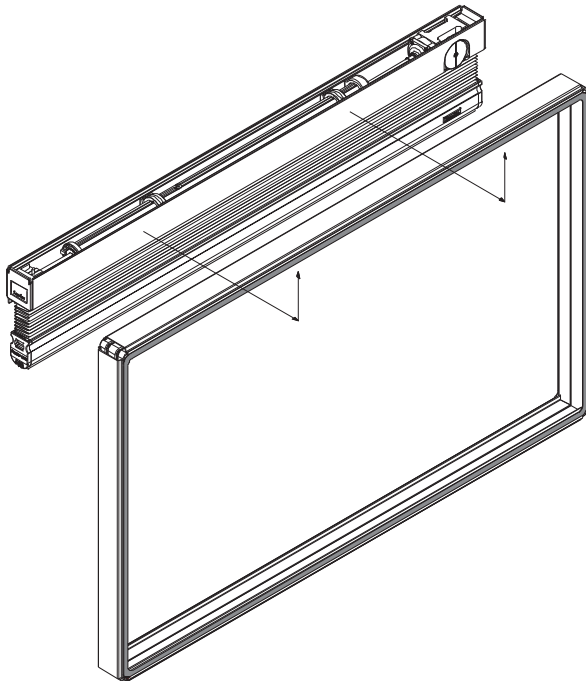
Testing

Prior to applying the final seal, test the blind function's correctly using the cord operated external magnetic device after positioning the double-glazed unit vertically with the blind head rail at the top. Ensure that the movement of the blind occurs freely and that the bottom rail lies parallel on the bottom spacer bar.

Second sealing

Raise the blind completely and apply the final secondary seal in accordance with EN 1279-2. **F**

C first sealing applying



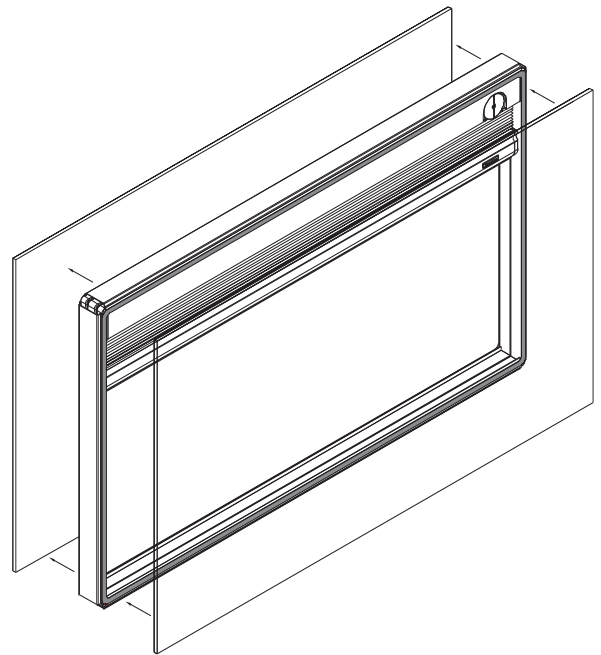
D blind insertion inside the spacer bars

Note

The blind must be completely raised when moving the finished unit whether vertical or horizontal, otherwise it is possible to damage the blind if it is only partially raised. Capsizing of the blind is possible only if the blind is completely raised.

The centering base plate should be factory applied so that on-site fitting of the external magnet ensures correct alignment of the internal and external magnets. The glass surface should be cleaned prior to adhesion. (See instruction in the ScreenLine® Technical Catalogue).

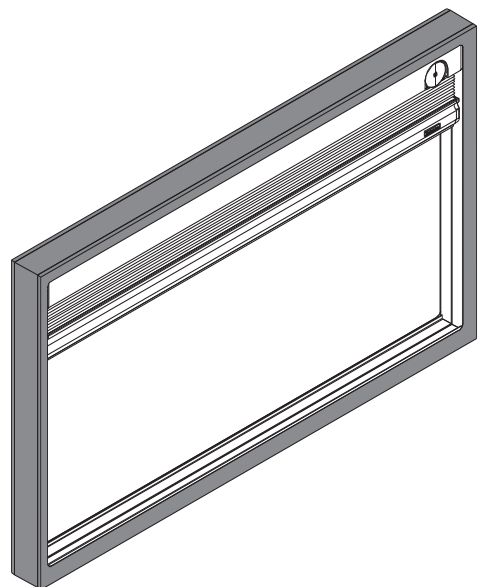
The external magnet and cord tensioner should be applied to the glass surface after glazing. Again ensuring that the glass surface is cleaned correctly to obtain good adhesion.



E glass assembly

Transport and Storage

For transport and storage procedure please check the recommendations contained in the relevant part of the ScreenLine® Technical Catalogue.



F double-glazed unit
second sealing