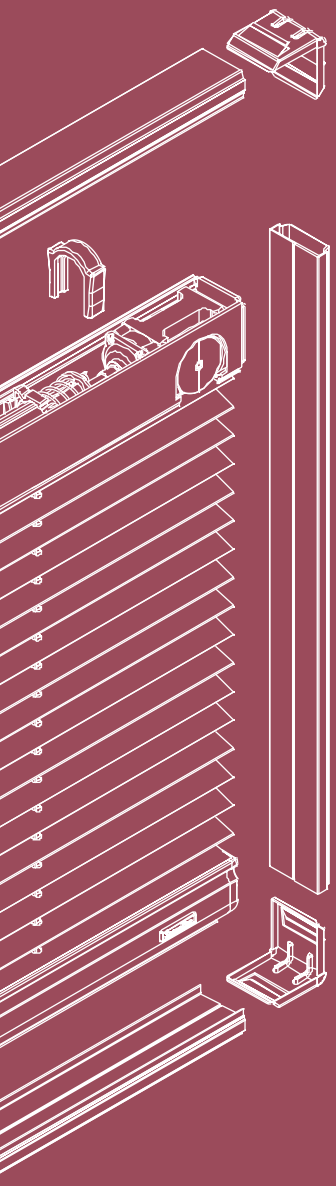
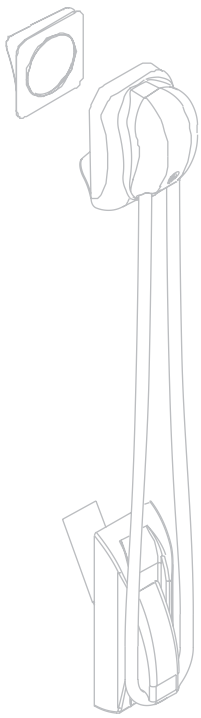


PLEATED BLIND

SL27C plissé

SL32C plissé



ScreenLine®

ScreenLine

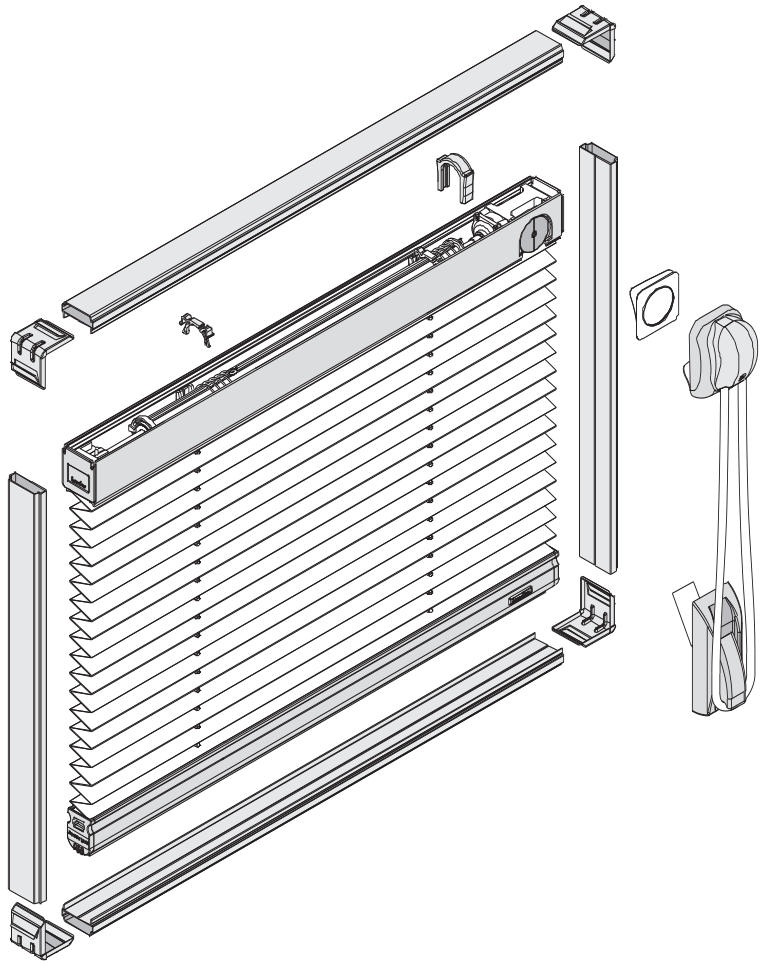
Technical Catalogue

english

double-glazed unit 27 mm • 32 mm

PLEATED BLIND

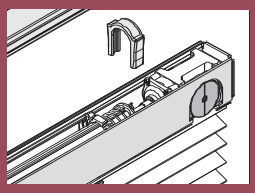
SL27C plissé
SL32C plissé



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

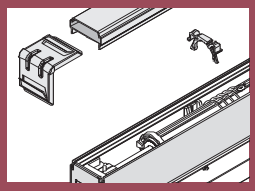
1. technical features



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.0e	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%

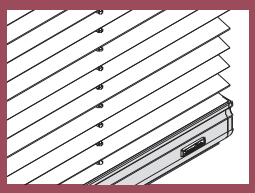


Head rail

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

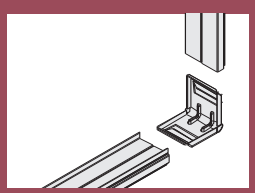
Woven polyester fabric, 20 mm pleat, non flame retardant, not metallized. Colours available: 2.

Performance characteristic of the Verosol® fabric

Pleated Verosol Fabric	Solar reflecion %	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.

PLEATED BLIND

SL27C plissé
SL32C plissé

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

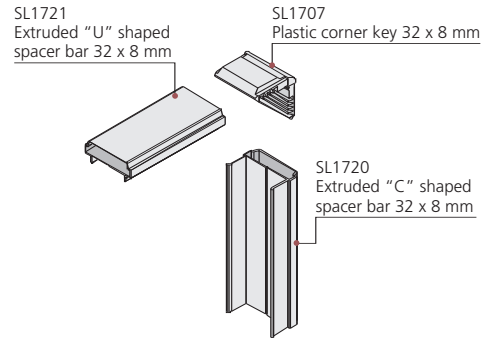
Extruded aluminium. Available in two versions for each system:
SL27: standard spacer bar - side flat spacer bars dimension 27 x 8 mm; superior and inferior "U" shaped spacer bar 27 x 8 mm with 4 mm clipping projection for head-rail connection.
SL32: "C" side spacer bar dimension 32 x 8 mm with 12 mm 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.

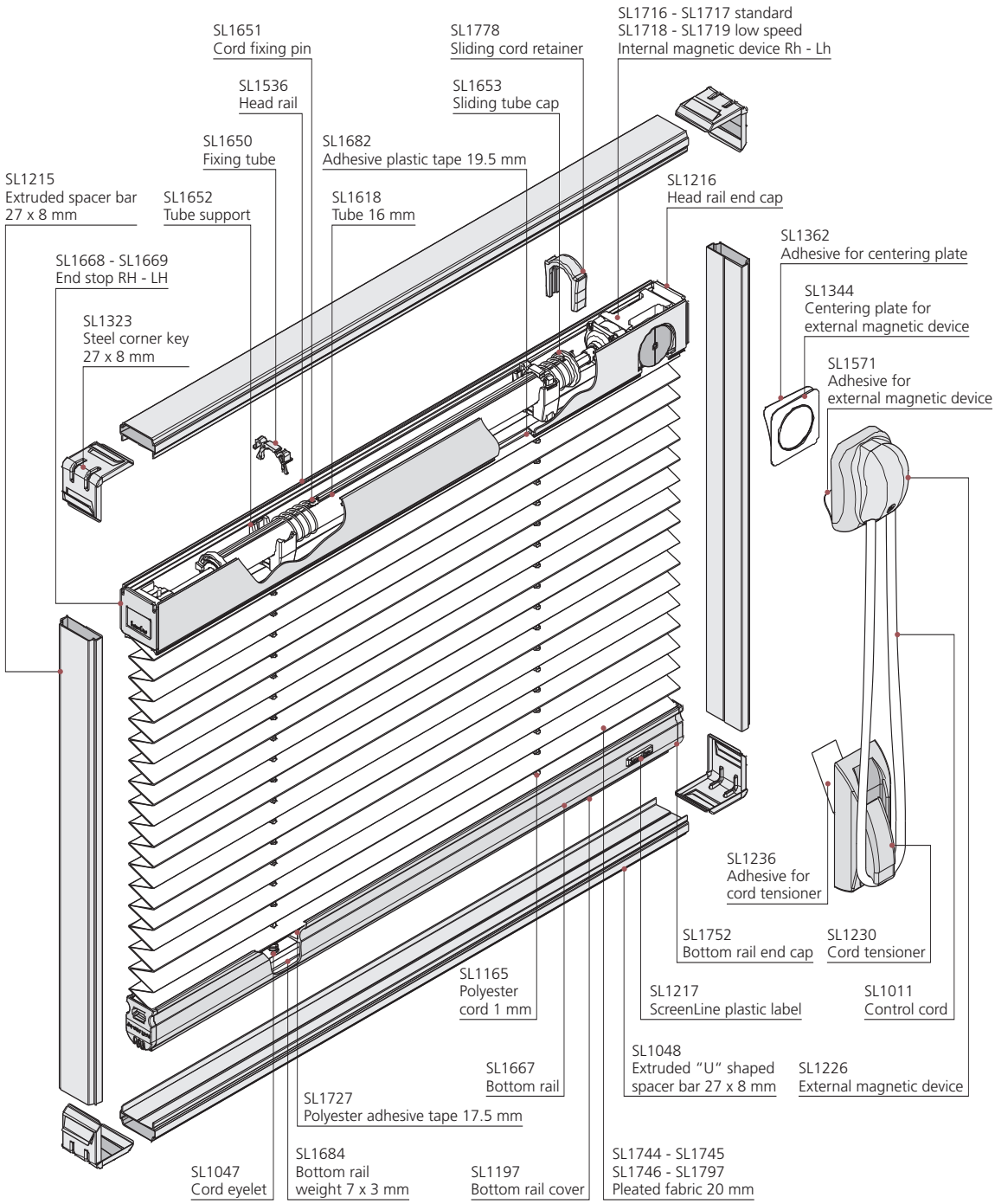
2. technical drawings

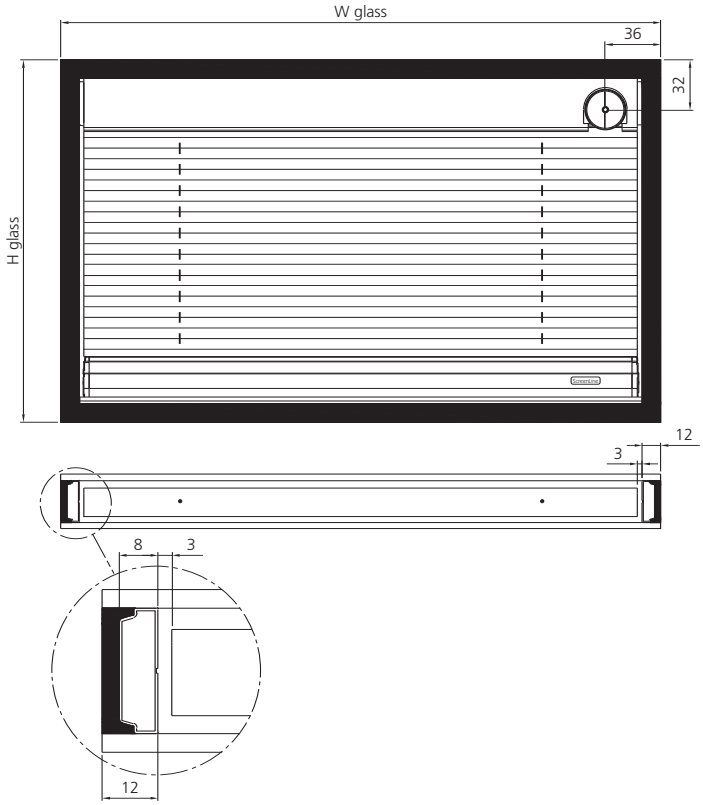
comprehensive drawing with component codes

For the system SL32C plissé

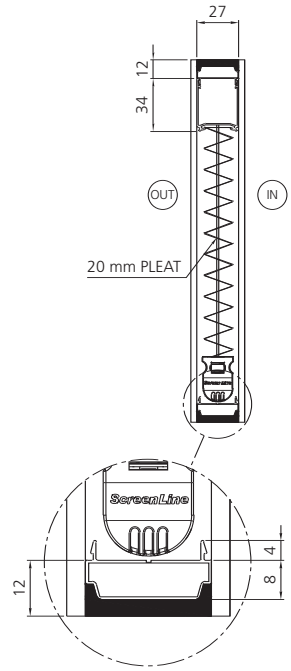
SL1720 Extruded "C" shaped spacer bar 32 x 8 mm
SL1721 Extruded "U" shaped spacer bar 32 x 8 mm
SL1707 Plastic corner key 32 x 8 mm



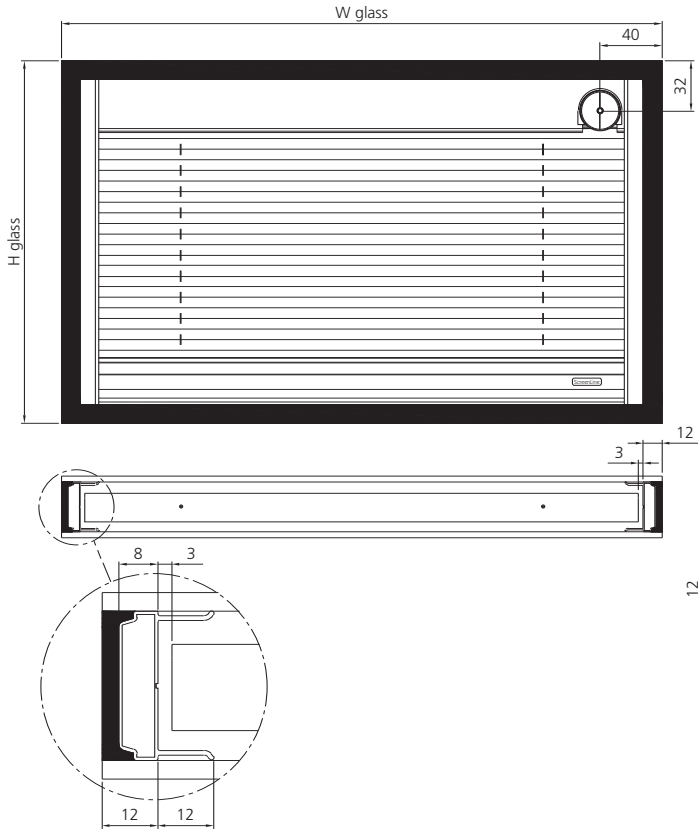




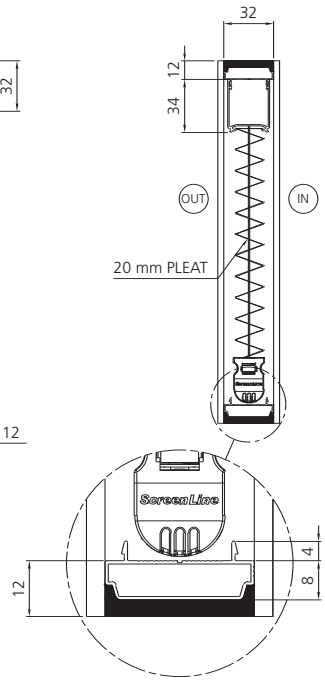
EXTRUDED FLAT SIDE SPACER BAR 27 x 8 mm



EXTRUDED "U" SPACER BAR 27 x 8 mm

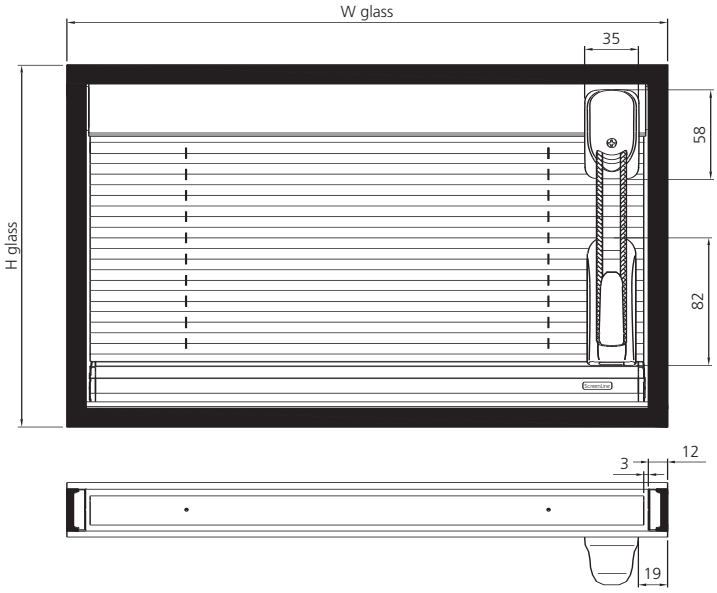


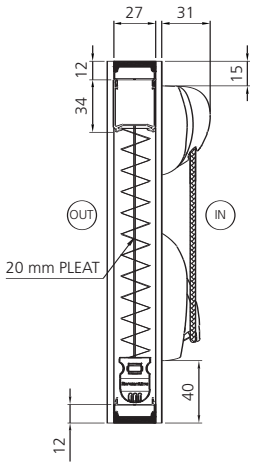
EXTRUDED "C" PROFILE SIDE 32 x 8 mm

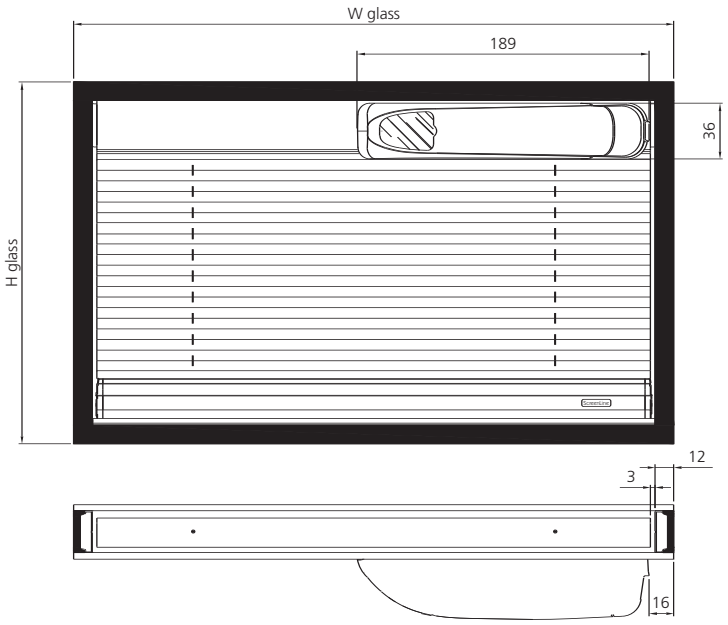


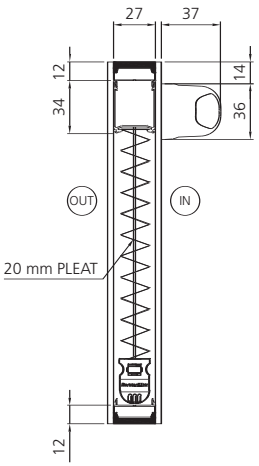
EXTRUDED "U" PROFILE 32 x 8 mm

rasing and lowering function



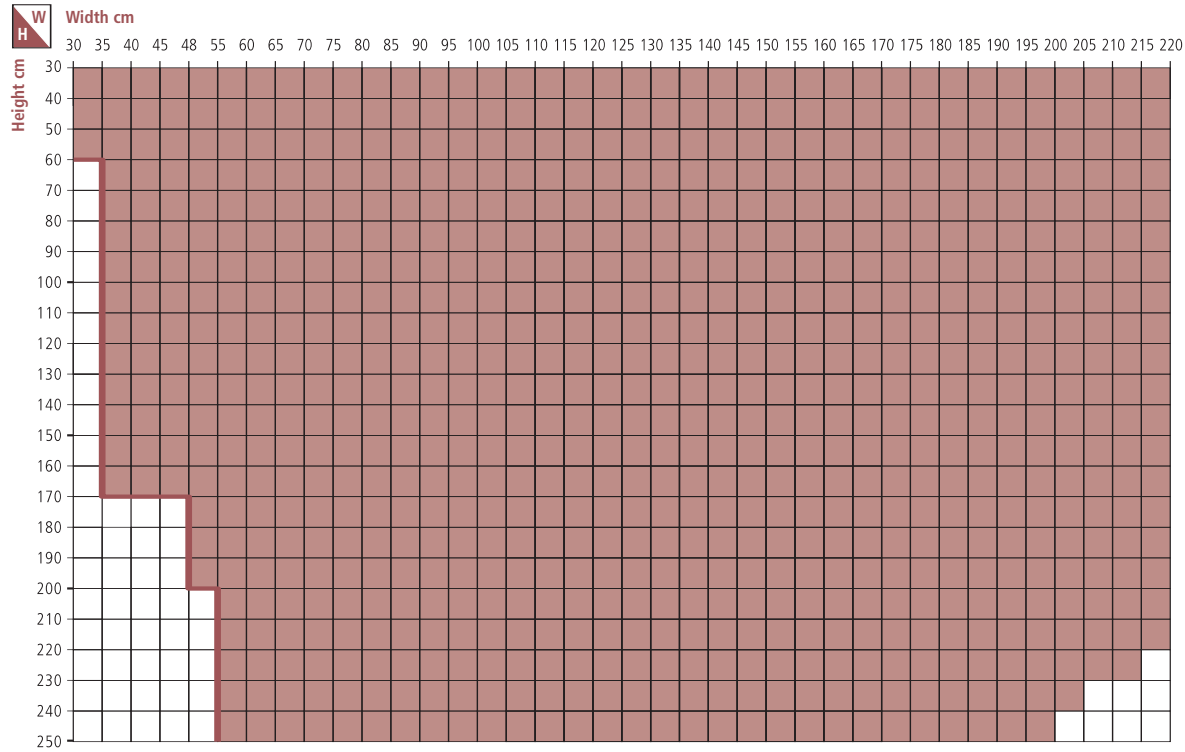




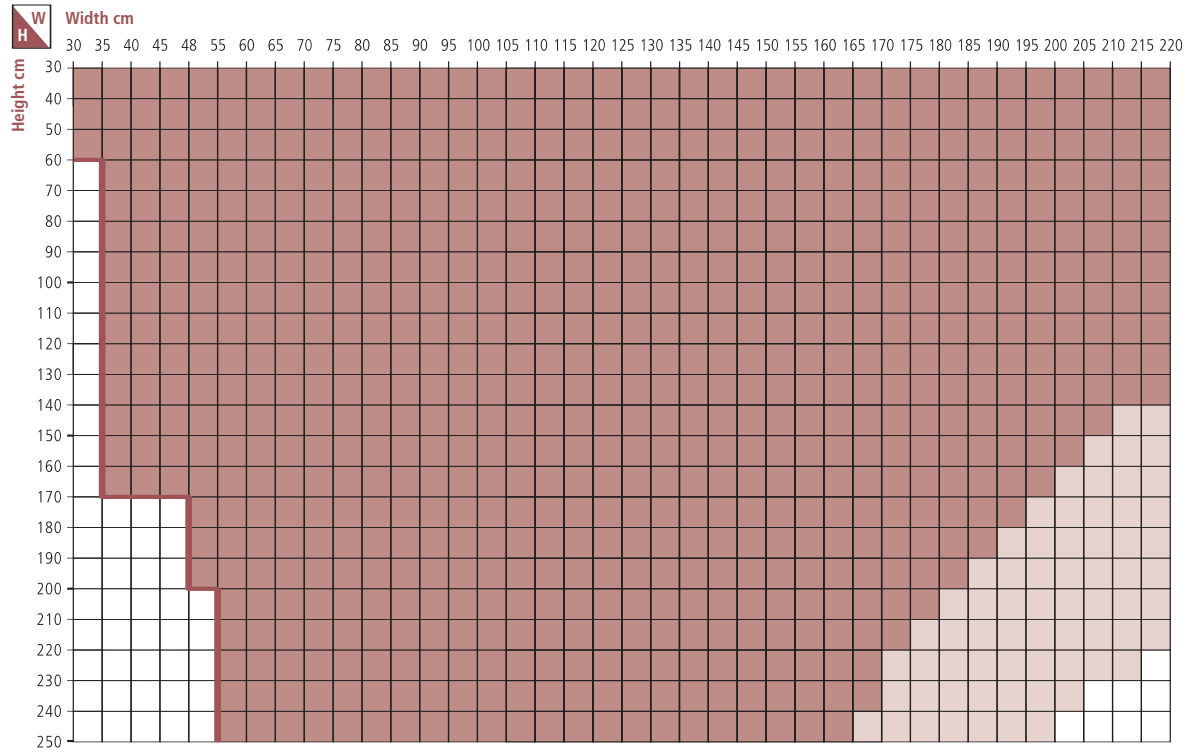


SL27C plissé

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



6 glass thickness **6 mm** **Monolithic**

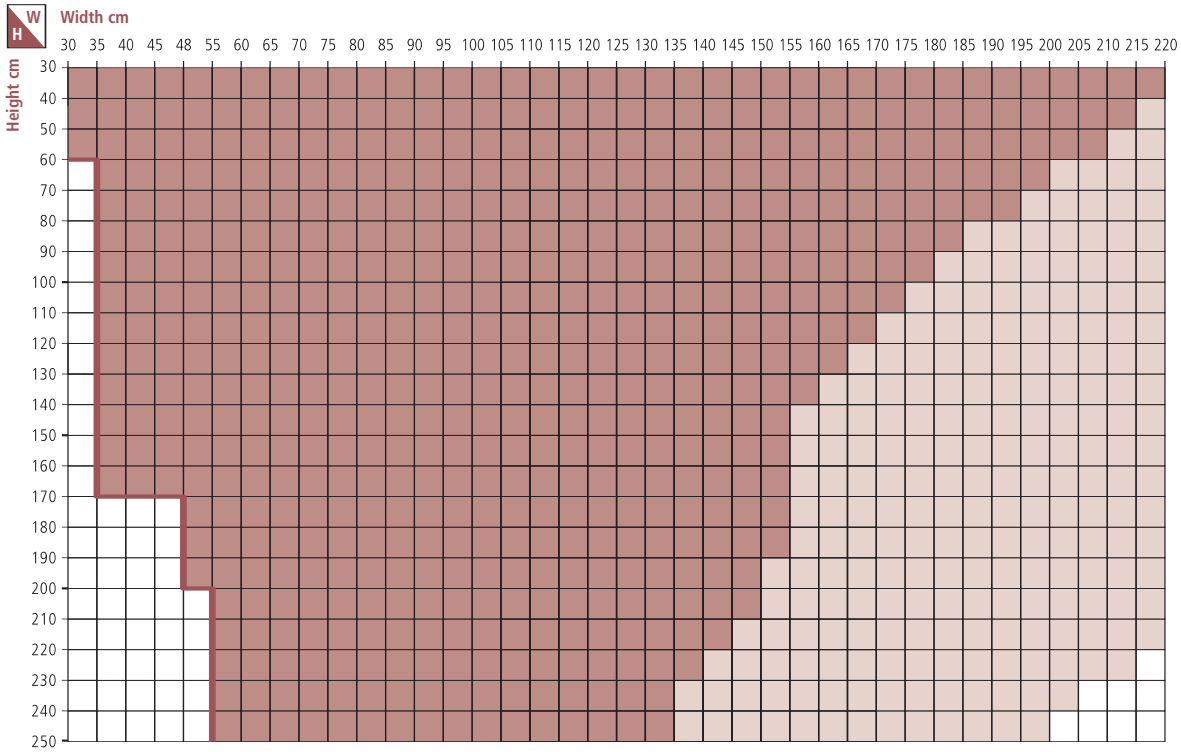


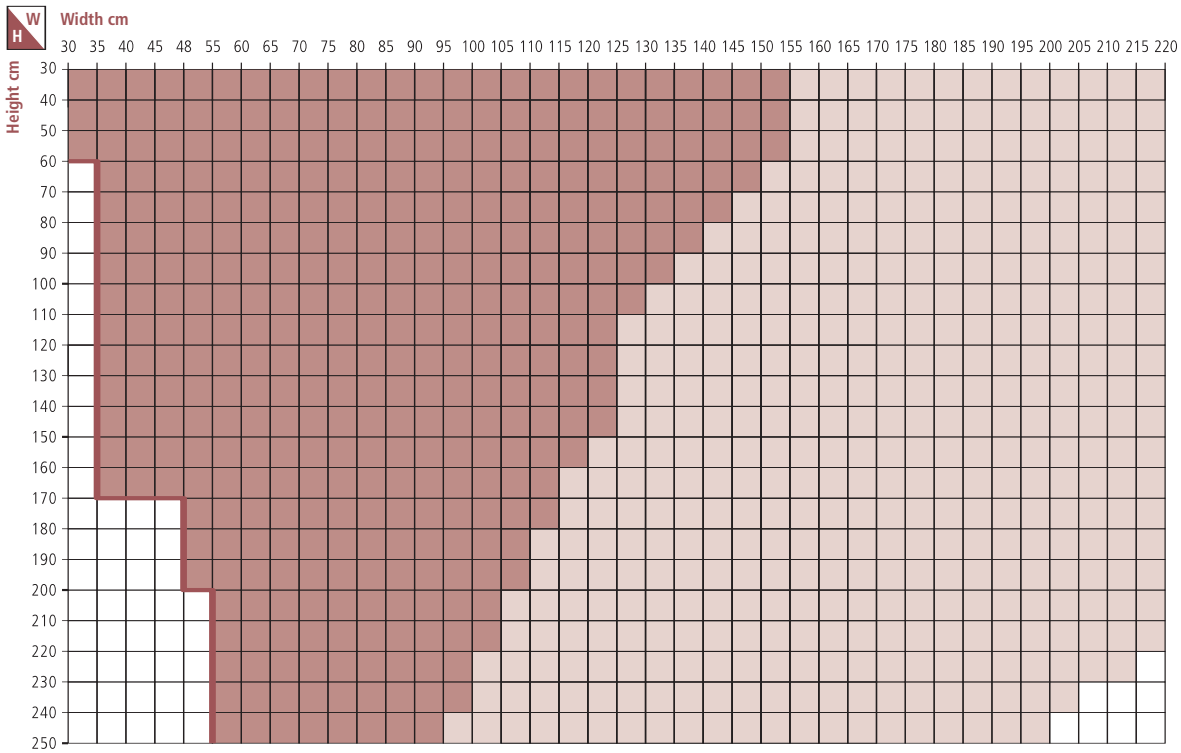
Raisable with standard speed System

Raisable with reduced speed System

Not feasible

3. feasibility





Raisable with standard speed System

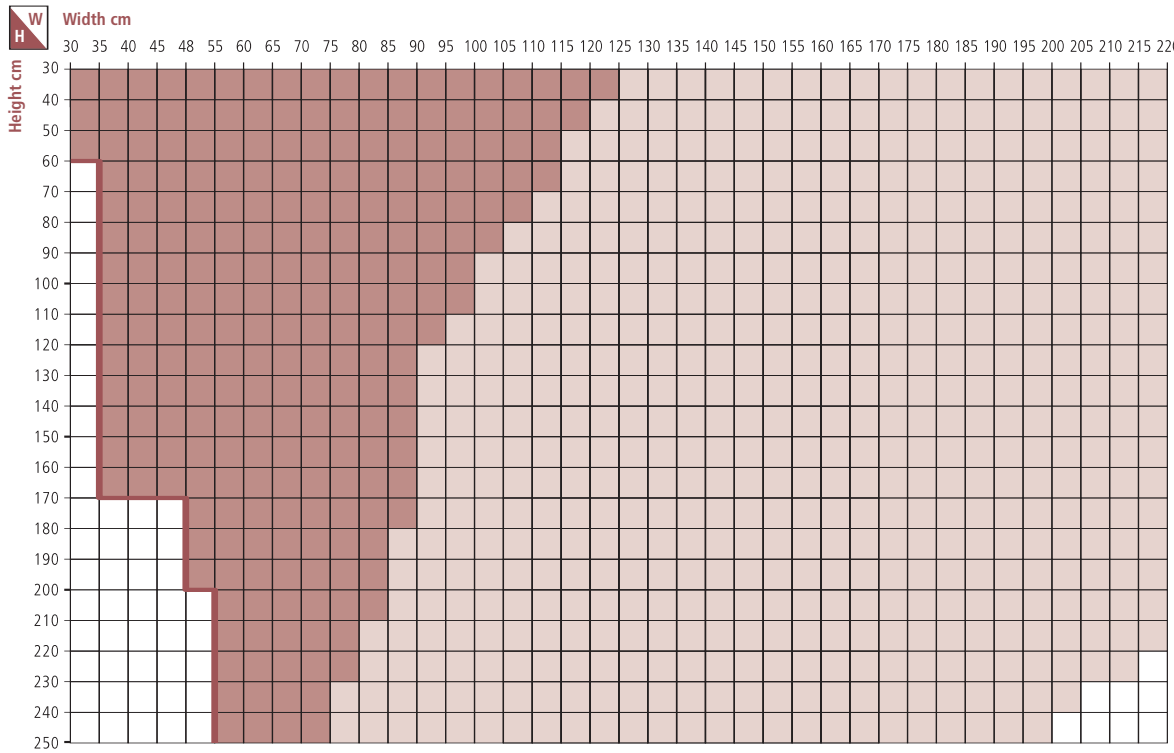
Raisable with reduced speed System

Not feasible

SL27C plissé

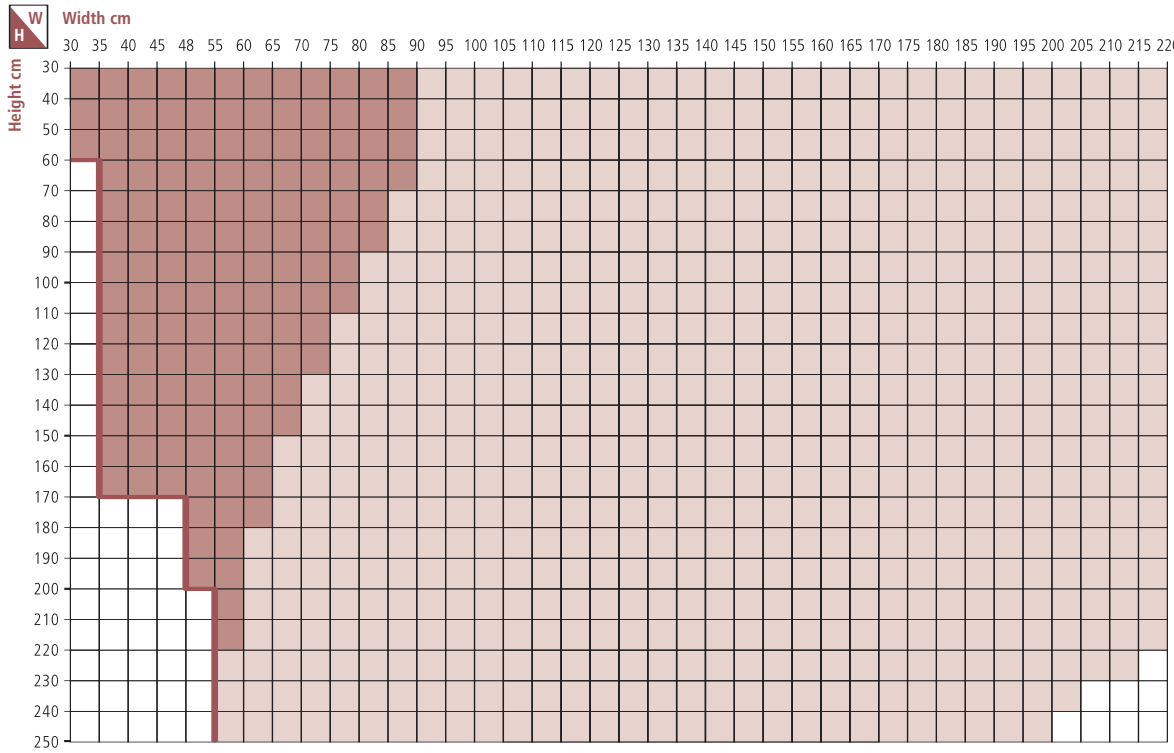
9

glass thickness **9 mm** Laminated 44.1 44.2



10

glass thickness **10 mm** Monolithic

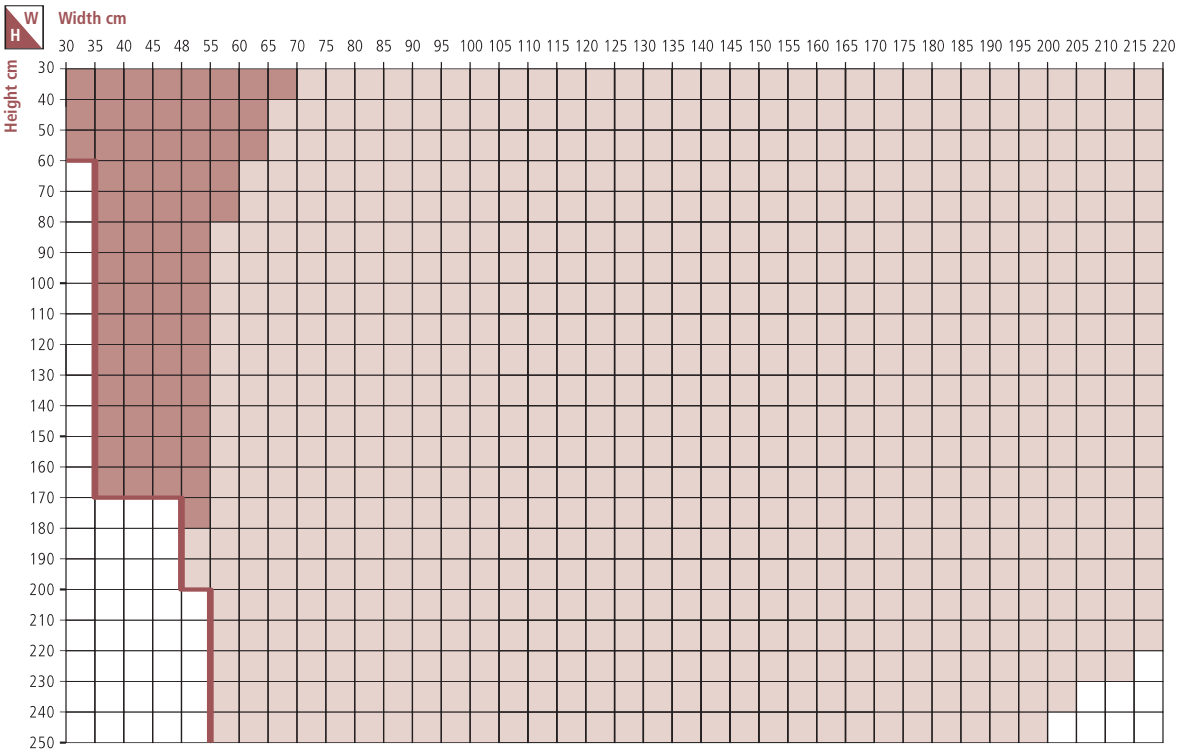


Raisable with standard speed System

Raisable with reduced speed System

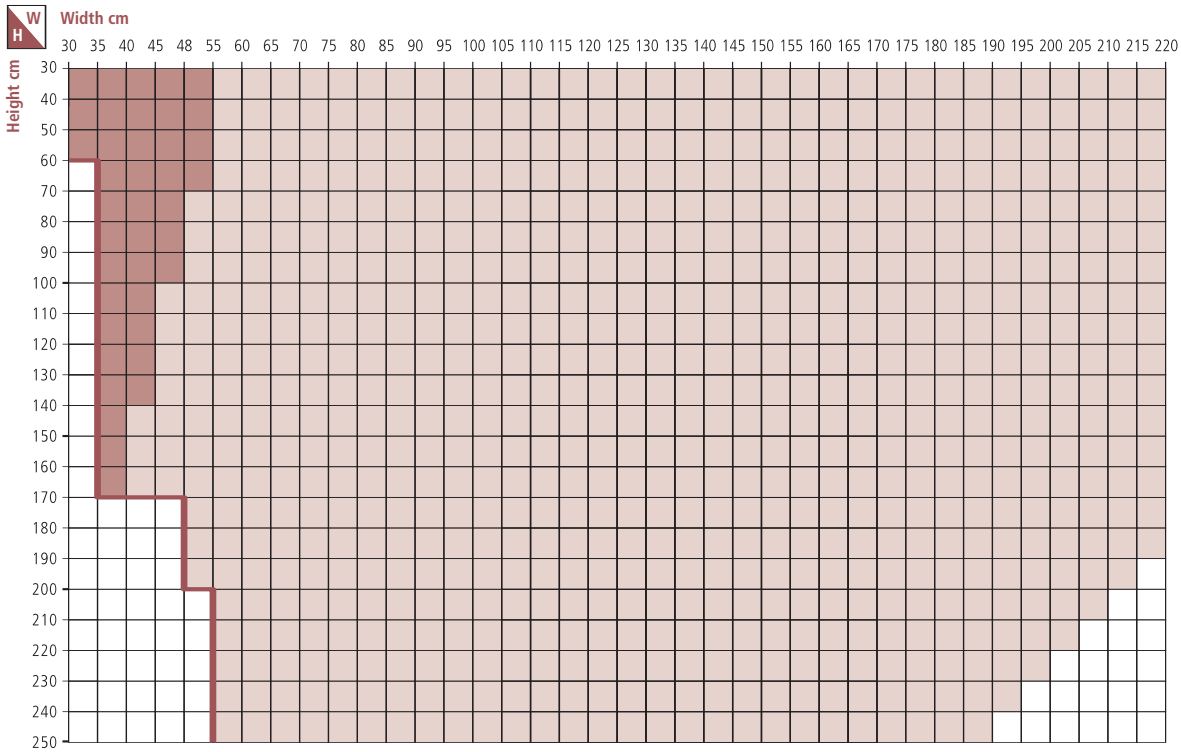
Not feasible

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

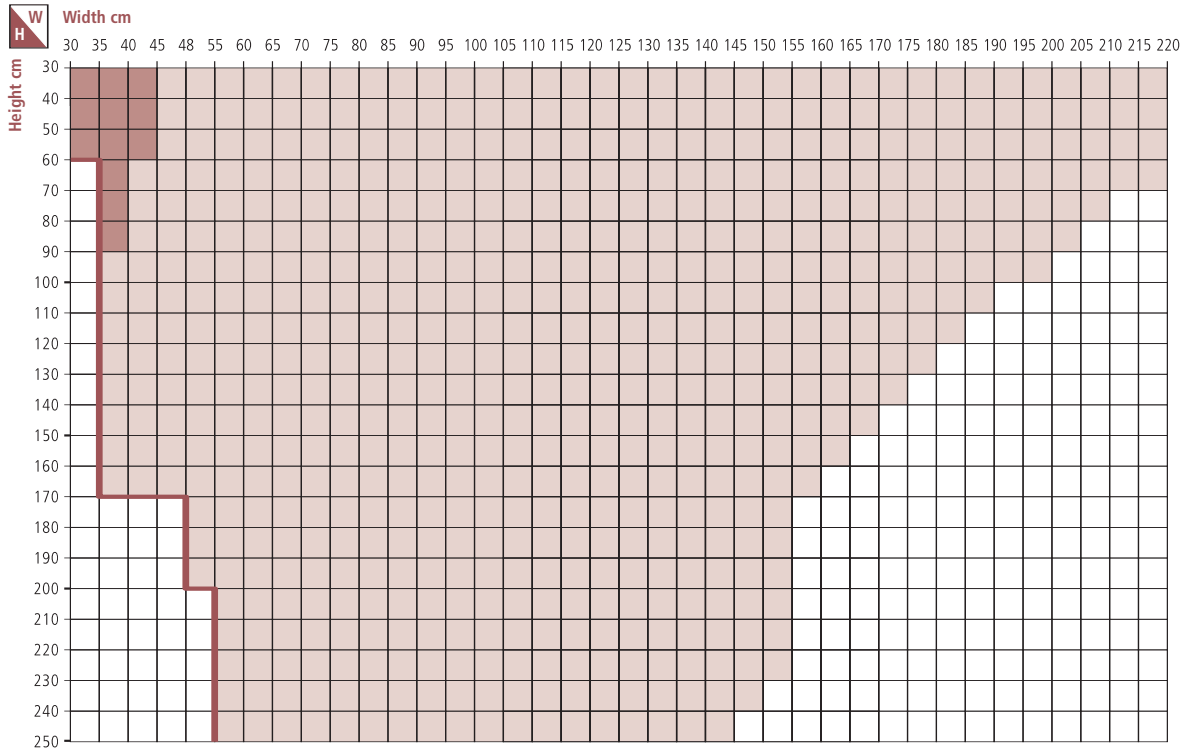
Not feasible

SL27C plissé

feasibility

13

glass thickness **13 mm** **Laminated 66.1 66.2 66.4**

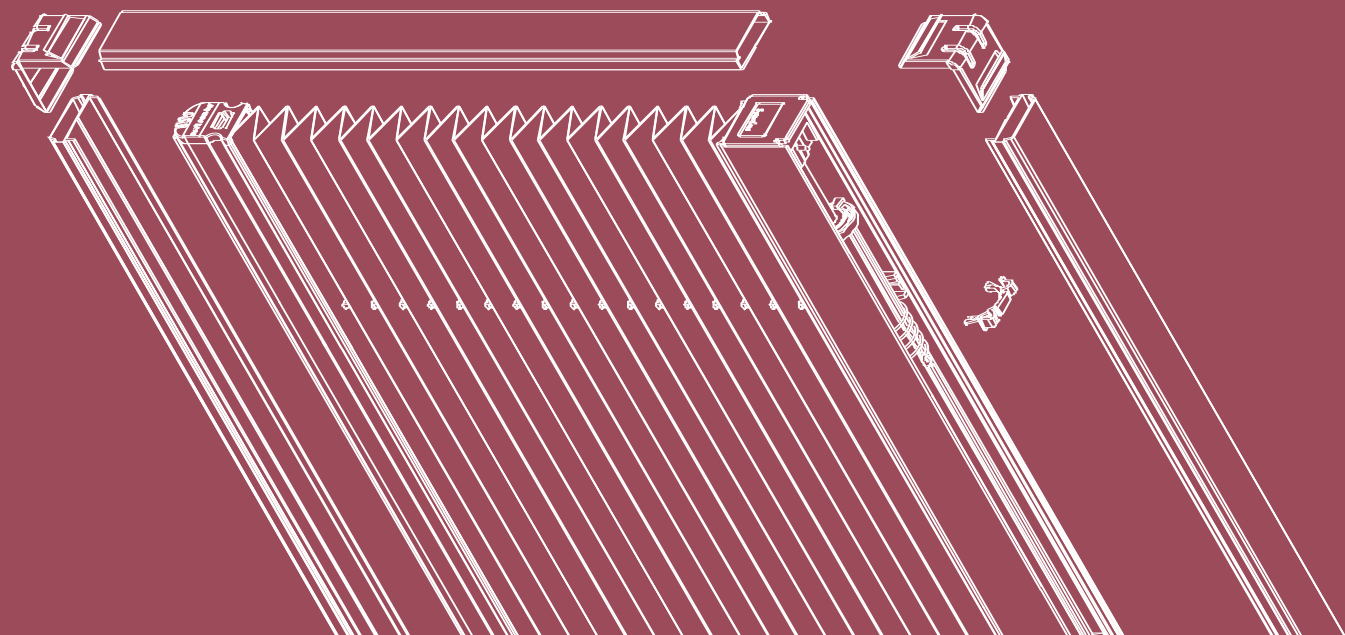


Raisable with standard speed System

Raisable with reduced speed System

Not feasible

www.pellini.net



visual design: stefanosiboni.it