

ALUMINIUM INSIDE



03/

SLIDING  
PERSONALITY.



## New perspectives

Since 1959, we have been looking at new horizons.

We have created a vision with products tailored to your needs, thanks to our specialisation in the design and manufacture of aluminium profiles for building and architecture.

## Sliding solutions

EUROline sliding and lift-and-sliding solutions allow precise technical and aesthetic requirements to be met in all environmental conditions of inclusion, owing to almost infinite same-series and other-series combinations, finishes, colours, wall fittings, roller shutters and blackout systems. This Gastaldello Sistemi series is a reliable, free-flowing, harmonious and rigorously tested. It complements any façade plan, minimising impact in terms of its dimensions inside buildings and, as a result, maximising usability.

Profiles are available that protrude from vertical profiles and act as static reinforcement, assist with the movement of all solutions and can be combined with overhangs or other fixed glass panels. Motorised solutions are an option that can be operated at any time by push-button, remote control, or even with a manual handle. Seamless sleek sections and large glass surfaces provide maximum transparency and maximum light access.

# 03/ EUROLINE EL 60 SN



## LARGE OPENINGS, MINIMUM DIMENSIONS

Basic series from the Gastaldello Sistemi range. Ideal for those who want a lightweight solution, while always relying on the reliability of GS products. Sliding doors and window systems are used naturally in passageways connecting balconies or terraces and between different rooms, while maintaining minimum dimensions.

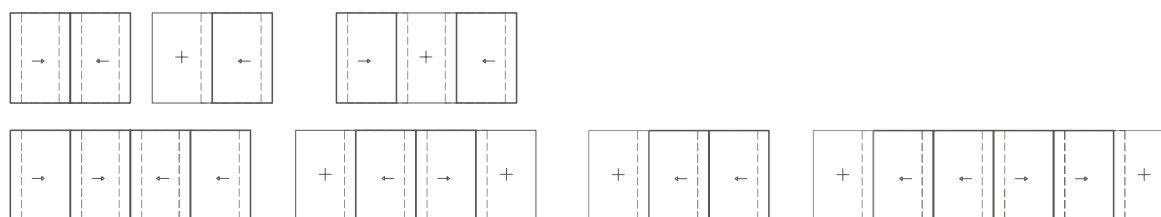
## SPECIFIC CHARACTERISTICS

- The non-insulated sliding series is particularly competitive and keeps all the combinations that are available for the deluxe series.
- Lightweight door only 31 mm thick, with a reduced frame size.
- Optional profiles integrated in the central mullions.

Seamless internal-external glass fastening seal, on perimeter and joined at a point.

- Various closure accessories with various handles and grips, with or without keys.

## OPENING TYPE



TECHNICAL FEATURES	STANDARD
sash+frame visible surface	105,5 mm
frame visible surface	70 mm
sash visible surface	35,5 mm
sash glazing	from 6 mm to 20 mm
rails	from 2 to 3

## TESTS AND REFERENCE STANDARDS



air permeability

Class 4



waterproofing

7A



wind resistance

A2

# 03/ EUROLINE EL 80 S

## SLENDER DESIGN FOR GREAT RESULTS

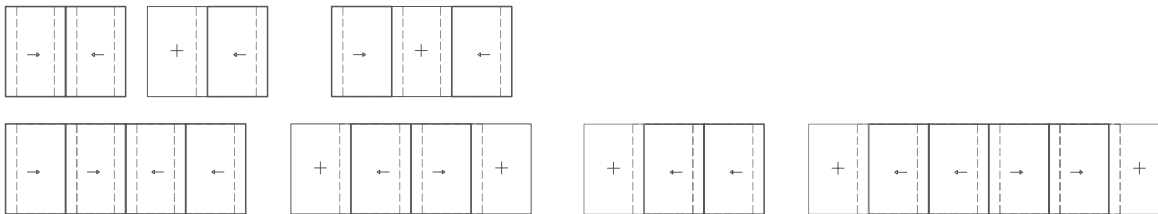
Innovative thermally insulated aluminium sliding frame series that combines ever-increasing demands for maximising light-emitting surfaces with profiles of limited dimensions. State-of-the-art performance results are enabled by the continuous technological updating of Gastaldello Sistemi and the technical studies of the dedicated research and development team.

## SPECIFIC CHARACTERISTICS

- New glass support system for supporting the weight of the glass directly on rails, allowing high-performance layered applications.
- Updated accessories, new seals, guides with stainless steel option, polyamide bars with increased efficiency to obtain significant thermal insulation values.
- Shutters with a thickness of 43 mm, with statically reinforced central mullions with 35 mm view.
- Perimeter frame with reduced dimensions that can be added in different configurations to the shutter series.
- Precautionary internal water collection tank.
- Capacity for 200 kg door.



## OPENING TYPE



TECHNICAL FEATURES	STANDARD
sash+frame visible surface	105 mm (options 65-72-132)
frame visible surface	45 mm
sash visible surface	68 mm
sash glazing	from 26 mm to 37 mm
rails	from 2 a 3

## TESTS AND REFERENCE STANDARDS



# HOME PERFUME

Flowing through the glass leaves room to the air that enters sparkling at dawn and filled with aromas at sunset, flooding house of family perfumes.



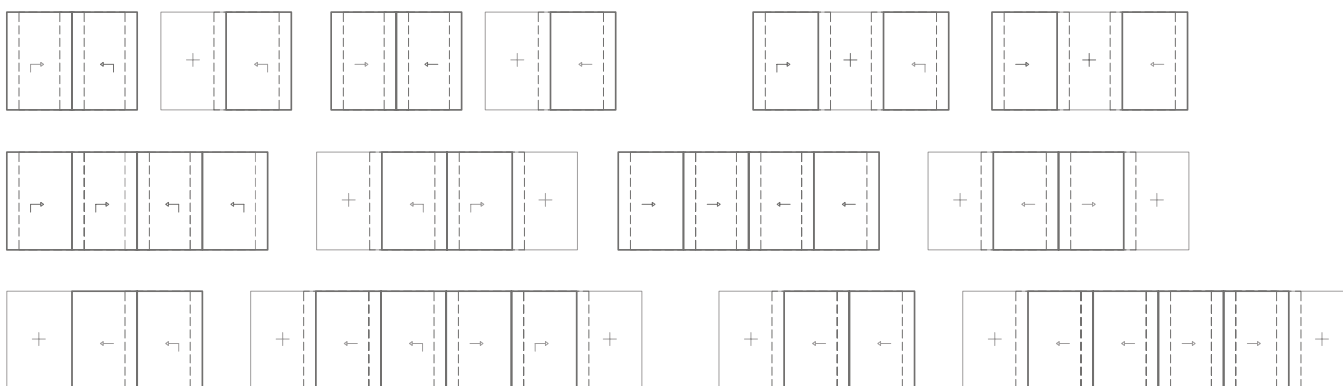
# 03/ EUROLINE 145 SE

## THE ESSENTIAL OF THE SLIDING DOOR

The EL145SE system allows you to create large surface sliding and lifting sliding windows, with movable sash dimensions up to L 2.000 X H 3.000 mm and with weight up to 400 Kg. To maximize the adaptability of the window frame to the building and to architectural needs, the system has been equipped with a mobile door + fixed door solution positioned outside the frame. This singular typology, in addition to offering practicality and economy of scale, allows you to improve overall thermal insulation performance.

## THE SECURITY

EL145SE does not intend to forget an important factor such as safety. Punctual anti-burglary tests are being carried out with the aim of achieving the performance permitted by the European standard EN1637-30. Nella sua Essenzialità, EL145SE non poteva trascurare l'aspetto dell'accessibilità, le soglie ribassate presenti nel sistema, accolgono con facilità anche a chi presentasse problematiche di movimento.



### TECHNICAL FEATURES

### STANDARD

sash+frame visible surface

from **101 mm** to **117,5 mm**

frame visible surface

from **21 mm** to **50 mm**

sash visible surface

**75 mm**

sash glazing

**49 mm**

rails

from **2** to **3**

### TESTS AND REFERENCE STANDARDS



air permeability



**Class 4**



waterproofing



**Classe E750**



wind resistance



**C3/B4**



thermal transmittance



**UF=2,4**

# 03/ EUROLINE EL 170 S

lowered  
flushed threshold



security multiple  
locking hardware



## TACKLE THE ELEMENTS

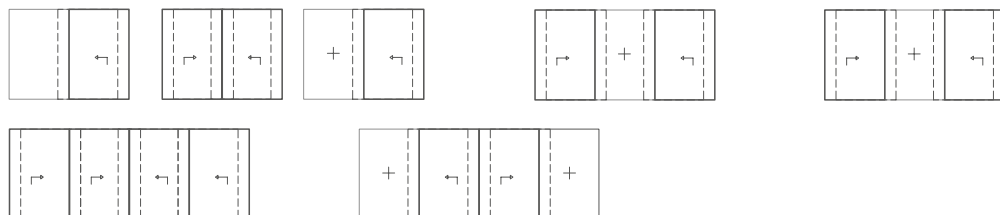
Deluxe range series. Ideal for maximum response to thermal, acoustic and static stress. A key element for achieving a high energy class, thanks to the possibility of housing more than the average number of layers of double glazing. Large non-standard glass panels can be obtained with reinforced profiles that are either visible or hidden in the profiles of the doors.

## SPECIFIC CHARACTERISTICS

- Lift and slide double thermal break solutions for obtaining a high energy class.
- Performance can be optimised through the use of thermal and acoustic sponge and with seals that incorporate brushes.
- A range of articulated accessories are available to guarantee smooth operation of doors up to 400 kg.
- A preferred solution for housing double glazing up to thickness of 53mm.
- Doorway lowered on request for disabled access.
- Available with a glass panel solution integrated in a double thermal break frame.
- Burglar-proof hardware for lift-and-slide version.



## OPENING TYPE



## TECHNICAL FEATURES

sash+frame visible surface

**STANDARD**

**113,5/146,5 mm**

frame visible surface

from **22 mm** to **55 mm**

sash visible surface

**100 mm**

sash glazing

from **23 mm** to **53 mm**

rails

from **1** to **2**

## PROVE E NORME DI RIFERIMENTO



air permeability

**Class 4**



waterproofing

**E1200**



wind resistance

**B3**



noise performance

**43 dB**



thermal transmittance

**High**

# 03/ EUROLINE

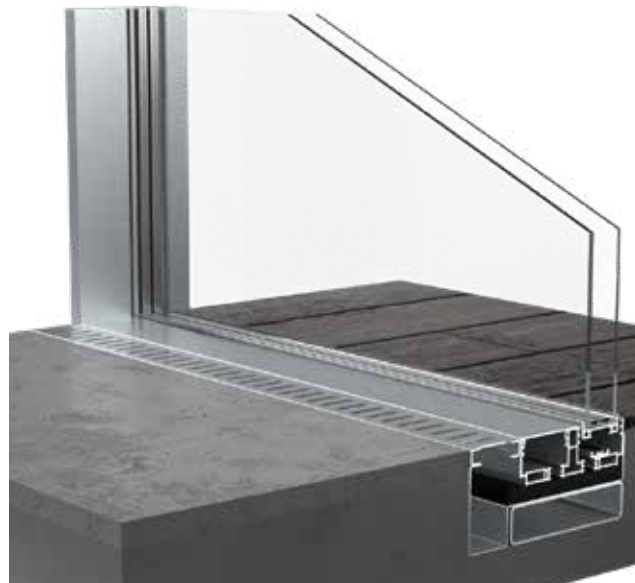
## EL 180 SM VIEW

### BEYOND THE HORIZON

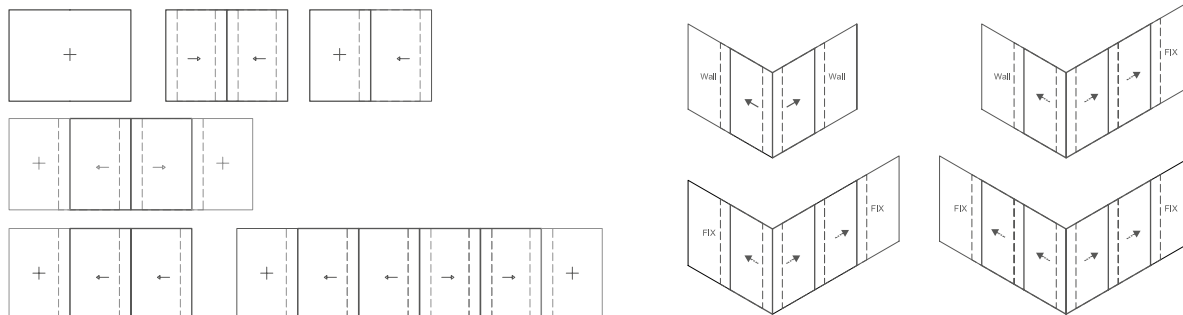
Innovative sliding door and window frame concept, where aluminium and glass blend in harmony. The visual impact of metal material is very different from traditional door and window frame material and determines the birth of a new concept in frames whose movement is virtually unnoticeable. All-glass views play a prominent role in the landscape, minimising the perception of the internal-external relationship, dematerialising transparent closures to make architecture look more spectacular.

### SPECIFIC CHARACTERISTICS

- Possibility of concealed openings in masonry as well as various combinations of fixed and open glass panels.
- Motors that are visible or hidden, with push button or remote control.
- Possibility of create glass angles without fixed mullions.
- Extra-clear glass and large glass panels with high performance levels.
- Optional linear flush-to-the-floor door, with elements for elevation above rails.
- Capacity for 500 kg door.



### OPENING TYPE



### TECHNICAL FEATURES

sash+frame visible surface

### STANDARD

from 0 mm to 33 mm

frame visible surface

0 mm

sash visible surface

23 mm

sash glazing

54 mm

rails

from 1 to 3

### TESTS AND REFERENCE STANDARDS



air permeability

Class 4



waterproofing

E750



wind resistance

B3



noise performance

42 dB



thermal transmittance

Top



# 03/ EUROLINE 160S WOOD

lowered  
flushed threshold  security multiple  
locking hardware 

## STYLE IN MOVEMENT

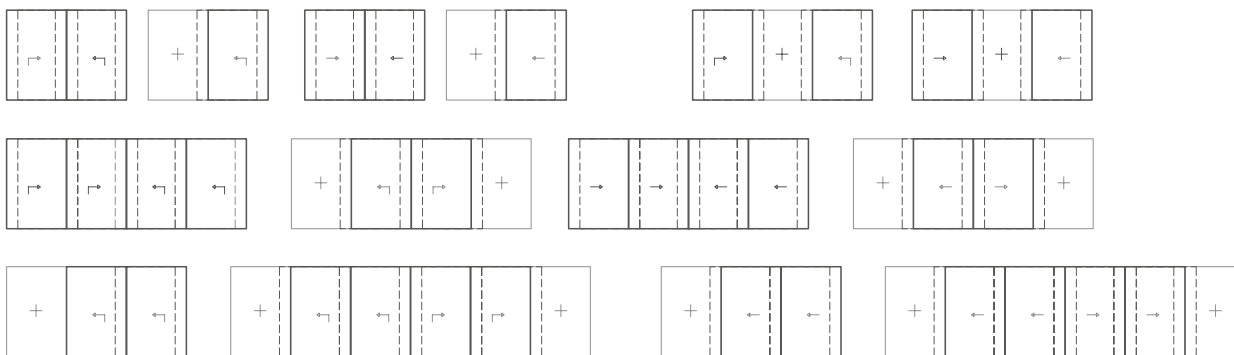
Premium range, aluminium and wood sliding series. Ideal for maximum response to thermal, acoustic and static stress, combined with style and elegance.

## SPECIFIC CHARACTERISTICS

- Opening system with certified specific hardware.
- Standard catalogue seals for lift-and-slide version.
- Aluminium profiles coated on four sides for chromatic continuity and maximum usability in terms of movement.
- Capacity for 200 to 350 kg door.
- Burglar-proof hardware for lift-and-slide version.
- Improved security, thanks to the aluminium glazing bead with mechanical fixing on door.












## OPENING TYPE



TECHNICAL FEATURES	STANDARD
sash+frame visible surface	154,5 mm
frame visible surface	47,5 mm
sash visible surface	107 mm
sash glazing	from 20 mm to 40 mm
rails	from 1 to 3

## TESTS AND REFERENCE STANDARDS

				
air permeability	waterproofing	wind resistance	noise performance	thermal transmittance
 Class 4	 7A	 B4	 38 dB	 Medium

# POWER AND LIFE

The warmth of wood, immersion in the environment.  
A natural setting that expresses the link with uncontaminated nature



## Product standard: UNI EN 14351-1



**Air permeability.** This value indicates the ability of a closed door or window frame to allow air to be filtered, when subjected to an interior-exterior pressure difference. The lower the volumes of dispersed air, the high the quality of the door or window frame and the gaskets used to make it.

Product regulations: EN 1026, EN 12207

achieved class	A1	A2	A3	A4	AE
applied pressure	150 Pa	300 Pa	450 Pa	600 Pa	>600 Pa



**Waterproofing.** Used to measure the degree of impermeability of a door or window frame. This value is obtained by spraying the surface of the product with a water jet and, at the same time, subjecting it to an interior-exterior pressure difference, to simulate intense rain and gusts of wind.

Product regulations: EN 1027, EN 12208

achieved class	1A	2A	3A	4A	5A	6A	7A	8A	9A	E750	E900	E1050	E1200	E1350	E1500
air pressure	(0 Pa)	(50Pa)	(100Pa)	(150Pa)	(200Pa)	(250Pa)	(300Pa)	(450Pa)	(600Pa)	(750Pa)	(900Pa)	(1050Pa)	(1200Pa)	(1350Pa)	(1500Pa)
km/h	0	32,2	45,53	56,67	64,39	72	78,87	96,59	111,54	124	136,6	145	160	165	178



**Wind load resistance.** This value indicates the degree of resistance to deformation and accidental opening of the doors when subjected to the action of wind. This data is useful for understanding the quality of the tools and the materials used in the construction of the door or window frame.

Product regulations: EN 10077-2, EN 12412-2

achieved class	C1	C2	C3	C4	C5	C6
Flex arrow (1/150)	A1	A2	A3	A4	A5	A6
Flex arrow (1/200)	B1	B2	B3	B4	B5	B6
Flex arrow (1/300)	C1	C2	C3	C4	C5	C6
Applied pressure	(400Pa)	(800Pa)	(1200Pa)	(1500Pa)	(2000Pa)	(>2000Pa)



**Noise performance.** The value that measures how door or window frames are able to acoustically isolate the home environment from external noises. The simulation test performed to determine this value relates exclusively to the door or window frame and the building as a whole may not have the same sound insulation value.

Product regulations: EN 20140-3, EN ISO 140-3, EN ISO 717-1

performance achieved	0db	<=12db	<=24db	<=36db	<=48db	<=60db
----------------------	-----	--------	--------	--------	--------	--------



**Thermal transmittance.** The average heat flow, per square metre of surface, that passes through a structure that delimits two environments at different temperatures. In the case of door and window frames, it is used to measure the energy efficiency of the product when it comes to maintaining the temperature required in domestic environments. The closer to zero the transmittance value, the greater the energy saving.

Product regulations: EN 10077-2, EN 12412-2

performance achieved	Low	Medium	High	Top
Uw W/m2K	<=6-8	<=2-4	<=1-2	<=0-1



GASTALDELLO SISTEMI

**GASTALDELLO SISTEMI S.p.A.**

**Headquarter**

Viale dell'artigianato 16,  
Povegliano Veronese, VR 37064 Italy  
Office +39 0456350155  
info@gastaldellosistemi.com  
[www.gastaldellosistemi.com](http://www.gastaldellosistemi.com)

**GS WINDOW FABRICATION**

**Sale Office**

280 Park Avenue South #16M  
New York, NY 10010 USA  
Office +1 (646) 653-4793  
info@gswindowsystems.com  
[www.gswindowsystems.com](http://www.gswindowsystems.com)

**Shop**

495 North Street  
Windsor Locks, CT 06096 USA  
Office +1 (860) 370-9339