

ELVIAL

SL46 SI² FLAT EDITION

elvial



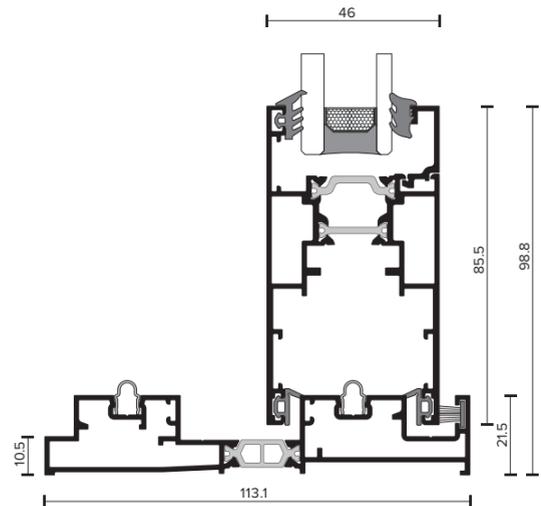
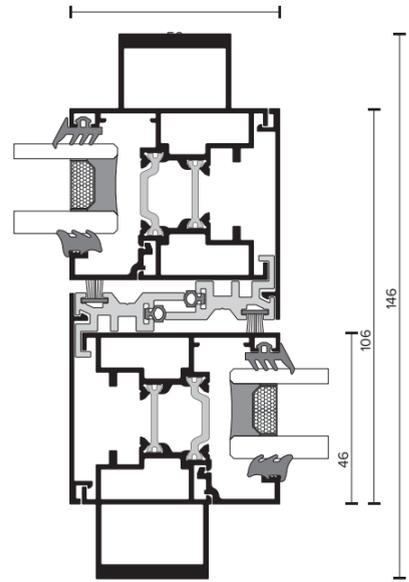
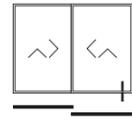
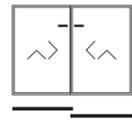
SLIDING SYSTEM

This edition of the SL46 is another great option to consider when choosing a solid lift and slide or sliding aluminium profile. It provides reliable thermal insulation and remarkable rolling quality.

ELVIAL

SL46 SI² FLAT EDITION

The undisputable functional features are matched by a design that withstands the architectural trends and allows for the creation of spacious openings and the framing of unobstructed views.



**LIFT & SLIDE
SUCCESSIVE
CONSTRUCTIONS**



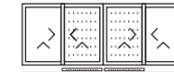
2-Sash



4-Sash meeting stile



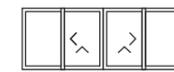
2-Sash with fixed part



4-Sash meeting stile with flyscreen



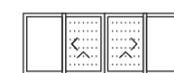
2-Sash with flyscreen



4-Sash meeting stile with fixed parts



2-Sash with fixed part and flyscreen



4-Sash meeting stile with fixed parts and flyscreen



3-Sash



3-Sash with fixed part

**INWALL
LIFT & SLIDE
SUCCESSIVE
CONSTRUCTIONS**



1-Sash inwall



1-Sash inwall with flyscreen and shutter



1-Sash inwall with flyscreen



2-Sash inwall meeting stile with flyscreen and shutter



1-Sash inwall with shutter

TECHNOLOGY

THERMAL INSULATION

- 1 Wide Insulating Bars of **22mm** with glass fiber re-enforcement **25%**, are applied to all system profiles, offering high thermal insulation levels and extra rigidity
- 2 **Customized Insulation Bars** are set both in the central zone and the middle mullion so the aluminium system is **energy efficient** and performs within ELVIAL standards



ADVANCED SEALING SYSTEM

- 1 The profile is fitted with **Customized Gaskets** that keep your space neat and watertight
Lift & Slide Edition
- 2 A specially designed **Foam Gasket** is fitted to ensure that the construction will remain totally watertight
Lift & Slide Edition
- 3 The profile features a **Specially Developed Combination** of customized brushes with sealing membrane that ensure the efficient protection from wind and water
- 4 A specially designed **Central Gasket** is fitted to ensure that the construction will remain totally watertight

EXTRA FEATURES

FUNCTIONALITY

- 1 Handles for unique style
- 2 Handle damper
- 3 Lift assist that reduces the feel of weight
- 4 Options of Silent Close Damping Unit & Stop Damping Unit
- 5 Anti-Jemmy Device



LIFT & SLIDE EDITION



SLIDING EDITION



COLORS



Black



Inox Satine



Natural Anodized

IDENTITY

DESIGN

Sash Depth		46	mm
Visible Height		98.8	mm
Successive Middle Mullion Width		106	mm
		56	mm
Meeting Stile Construction Width		189	mm

PROPERTIES

Max Sash Height		2.800	mm
Max Sash Width		2.000	mm
Max Sash Weight		400	kg
Max Glass Thickness		30	mm

PERFORMANCE

ENERGY

2-Sash successive construction 2.500 x 4.000 mm	Uw ≥ 1.58 W/m²K
Double glazing, Ug = 1.1 W/m ² K with Swisspacer Ultimate	

COMFORT

Air Permeability	EN 12207	Class 4 [600Pa]
Watertightness	EN 12208	7A [300Pa]
Resistance to Wind Load	EN 12210	C2 / B2 [800Pa]
Sound Reduction	EN 10140-2	39dB ^{Glazing} 44.2/12/44.2

elvial

SEE LIFE FROM A DIFFERENT
VIEW THROUGH ELVIAL'S
ALUMINIUM SYSTEMS

DISCOVER OUR INNOVATIVE TECH

ELVIAL I² INSULATION TECHNOLOGY
ELVIAL PRE-ANODIZING 2IN1

**DISCOVER MORE
ARCHITECTURAL SYSTEMS**

ESSENCE W67 HI²
ESSENCE W67BS HI²
ESSENCE W67ST HI²

ELVIAL W59 SI²
ELVIAL W60BS SI²

ESSENCE SL60 HI²
ESSENCE SL60 HI² FLAT EDITION
ELVIAL SL60 HI² CLASSIC
ESSENCE SL50 HI² FLAT EDITION
ELVIAL SL50 HI² CLASSIC

ELVIAL SL46 SI² CLASSIC
ELVIAL SL46 SI²_MD
ELVIAL SL33_MD

ESSENCE D67 HI²

ESSENCE SD55
ESSENCE CLADDING CL180

elvial.com

While every effort has been made to ensure information accuracy,
ELVIAL bears no responsibility for typographic errors or omissions.
Photographs may differ from the actual product.
This document is subject to change without prior notice.
Copyright © ELVIAL 2024. G.EM.1 014493035000



ELVITRIFOLDS46_FLAT.IGR.202307