

3800

Minimal
Slim
Super
Thermal
Bi-fold
System

RABEL
SYSTEMS

Engineering Your Architecture



reddot design award
winner 2019



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The system **Rabel 3800 Slim Super Thermal** has been designed for the fabrication of large fold and slide doors up to 3,0 meters height and 1,2 meters wide per sash. Its main application is for commercial and residential buildings, where high thermal insulation and the slimmest profile in the market is required. The system is based on a basic leaf face width of 30 mm.

Seven different threshold designs are available in three different heights (35, 49, 71 mm) making it possible to have a fully flat threshold as well as a high level of water tightness, fulfilling the needs of most projects. Since the system is also available with gaskets along the whole perimeter as well as a drainage gutter, its performance in water tightness and air permeability is remarkable. It supports all typologies as well as corner fabrications. Space standard configuration a 32 mm double glass panel is used to ensure high thermal space and acoustic insulation.





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The **Rabel 3800 Slim Super Thermal** is characterized by its bottom sliding mechanism which offers by design the best performance in terms of smooth slide and reliable operation over time.

Optionally the sliding system is protected from dirt and unwanted objects by two hard brushes which run along the track ensuring unobstructed sliding motion. It also comes with stainless steel rollers as standard for enhanced durability.

The availability of low bottom threshold, 35 mm, makes it unnecessary to switch to top hang systems so as to accommodate specific project requirements. All kind of inward and outward opening combinations are possible including open corners and individual access doors.

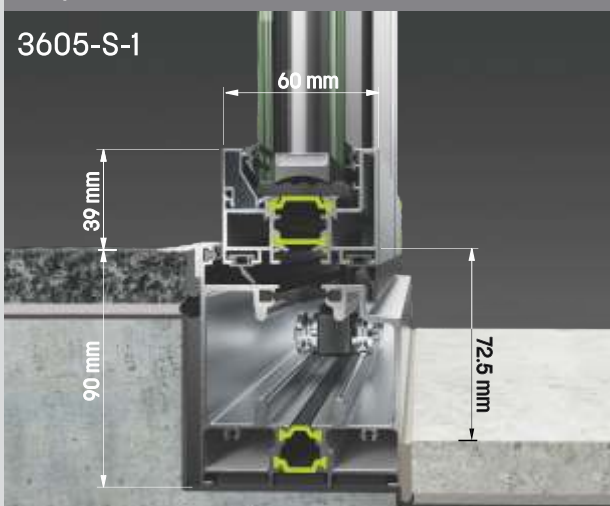
In the standard equipment a multiple locking system is included to enhance burglary resistance.



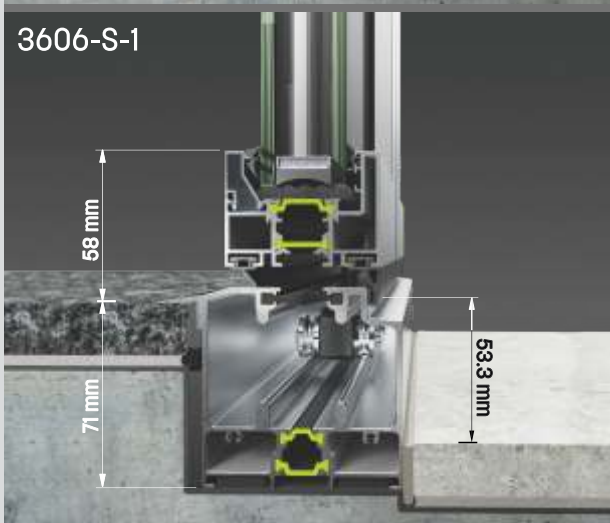
3800 - Bottom Track Options

Step

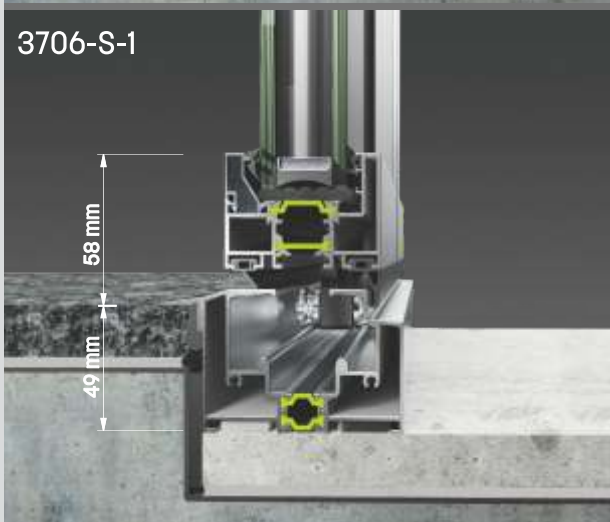
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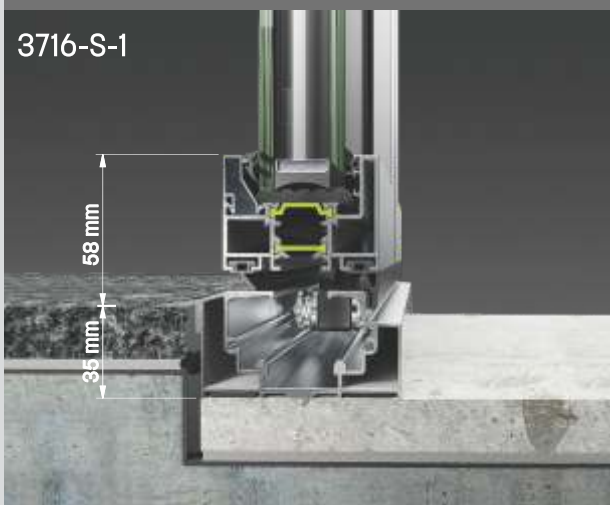
3606-S-1



3706-S-1



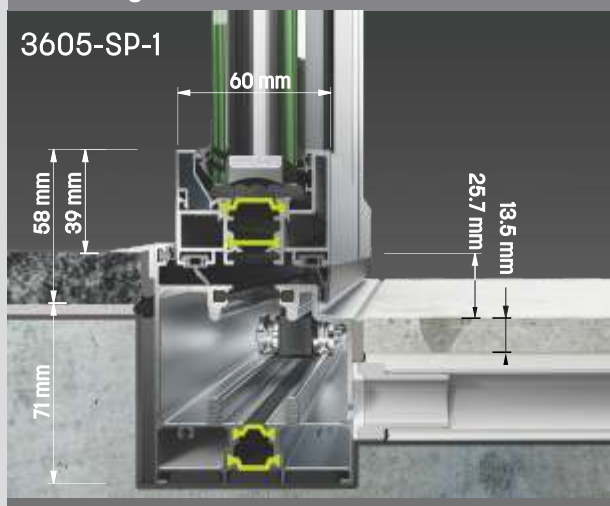
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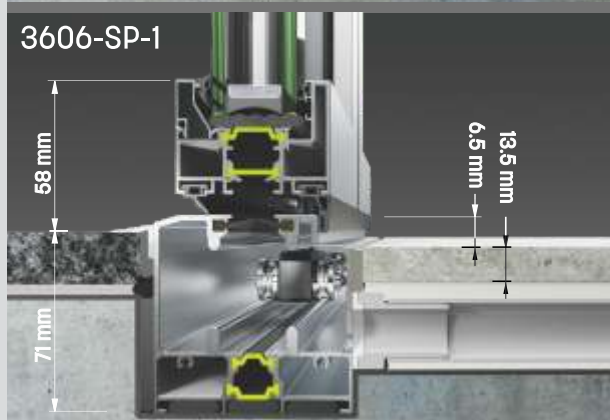
Submerged

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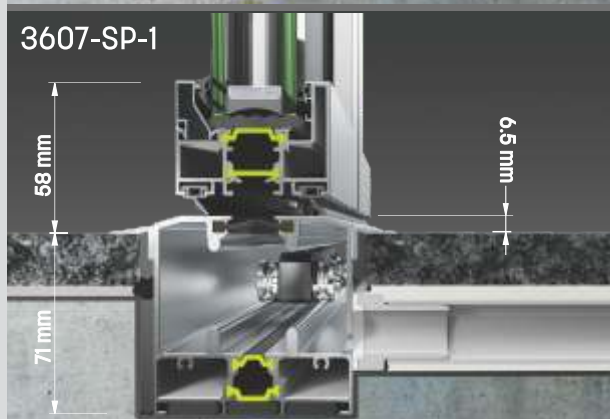
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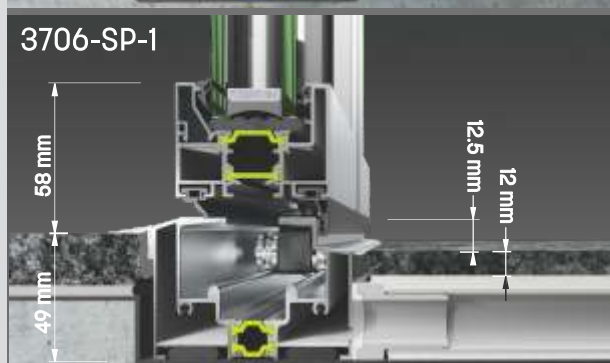
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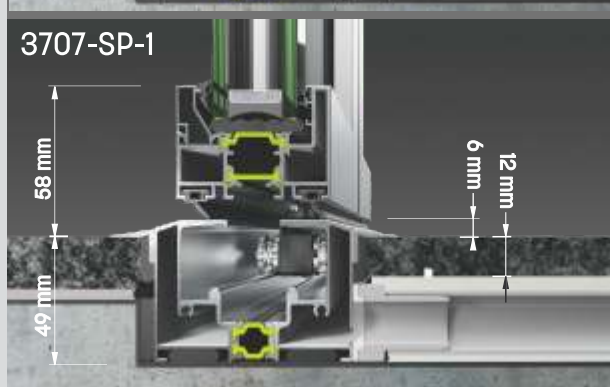
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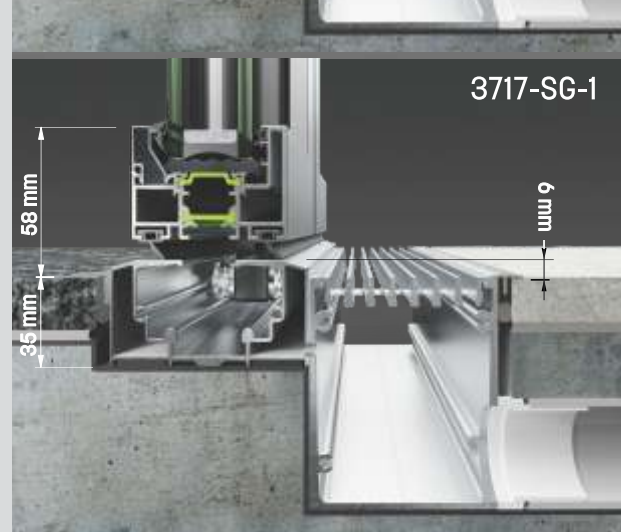
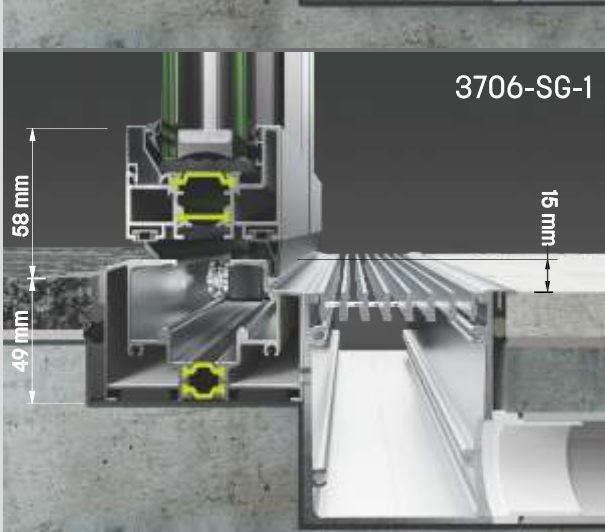
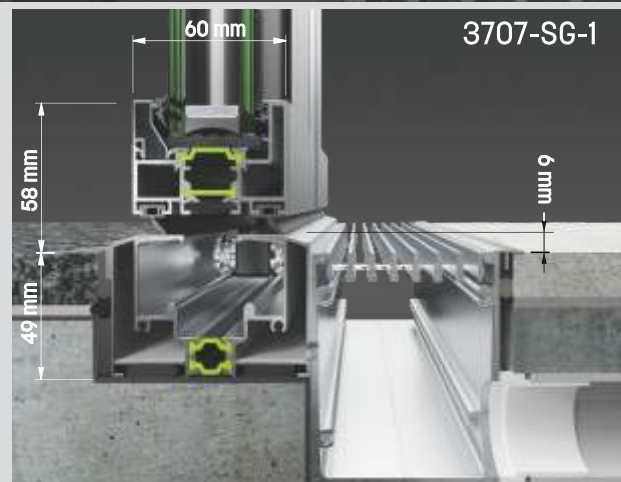
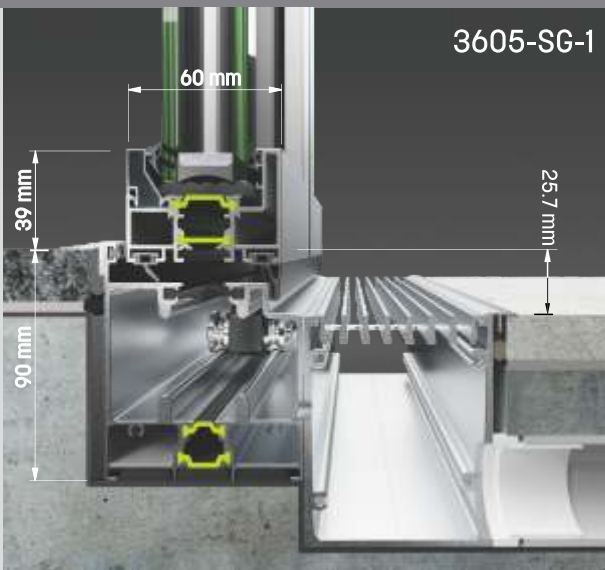


3706-SP-1



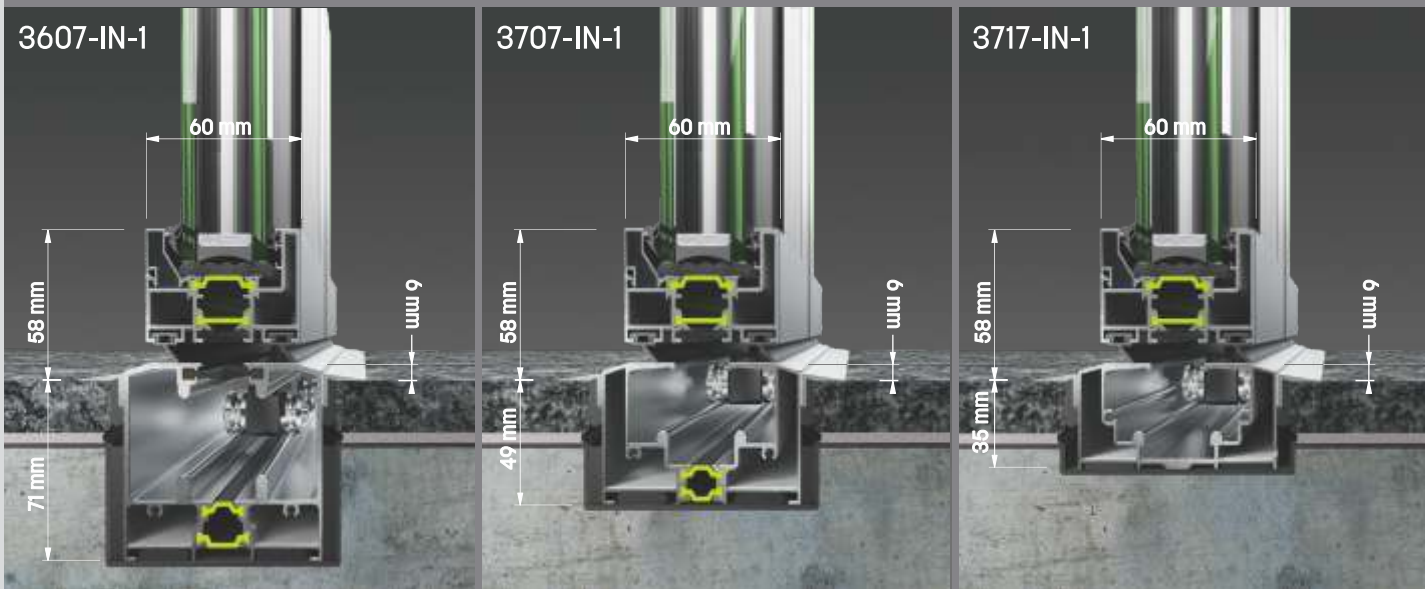
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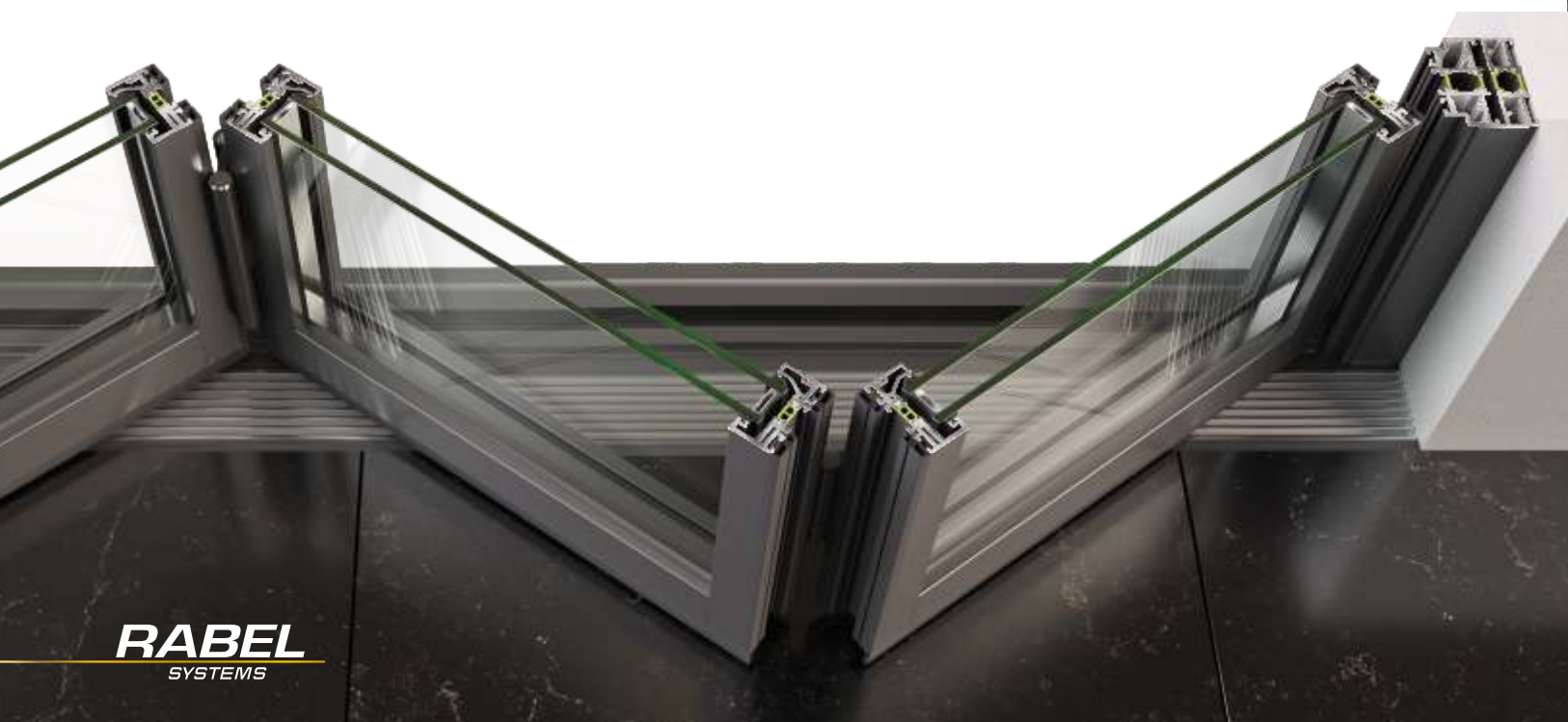
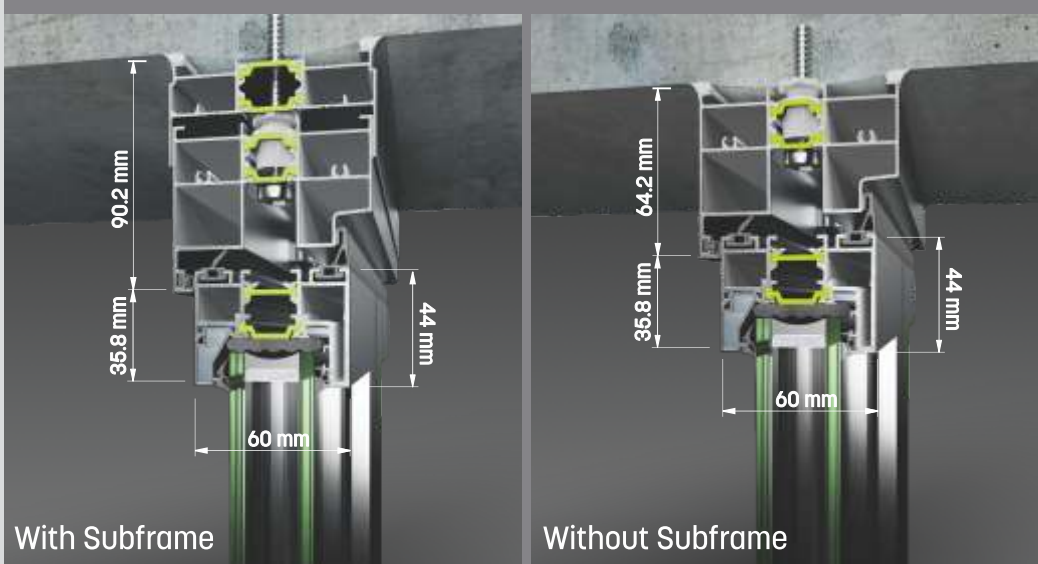


Internal Use Only

3800 - Bottom Track Options



3800 - Top Track Options

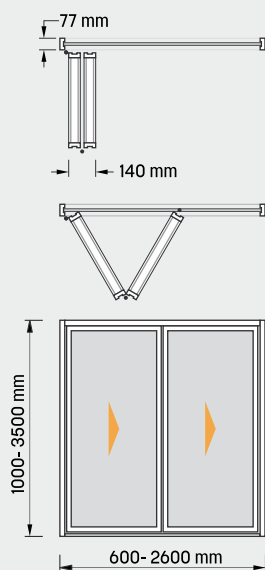


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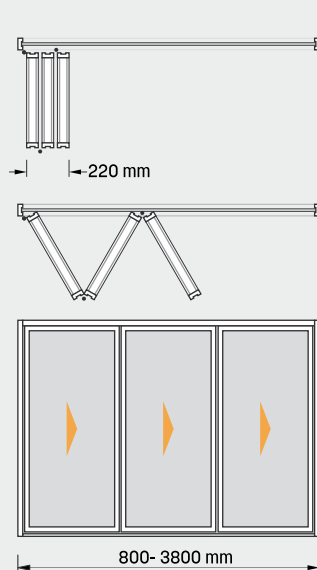
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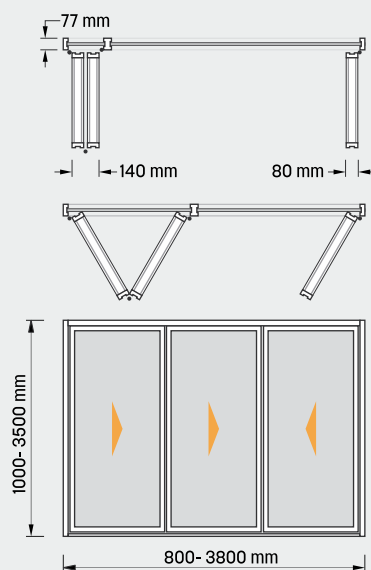
2L



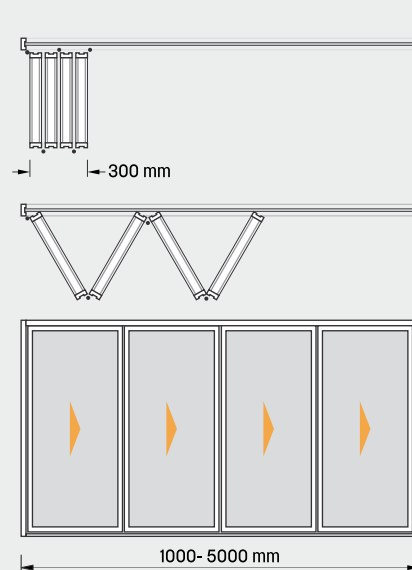
3L



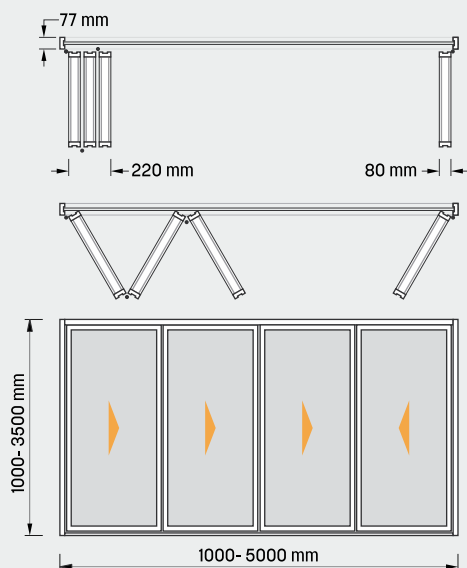
2+1L



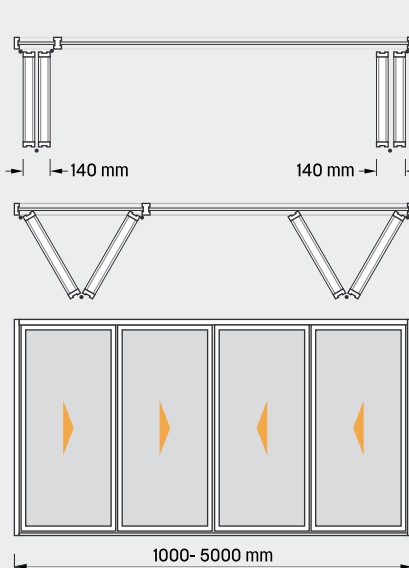
4L



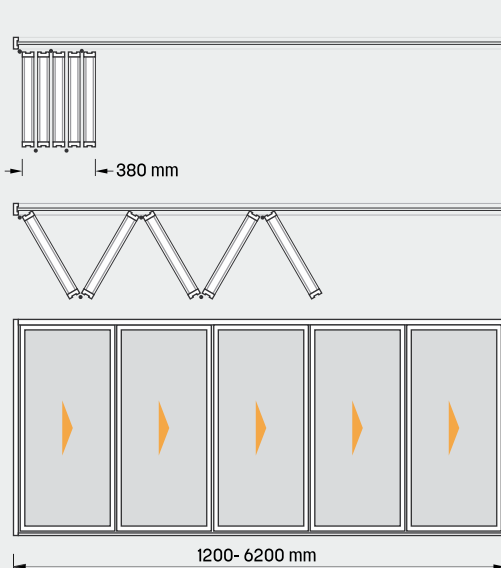
3+1L



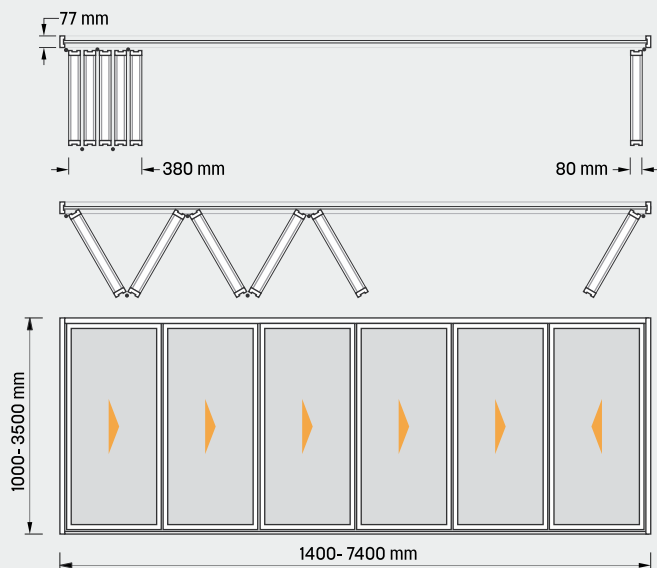
2+2L



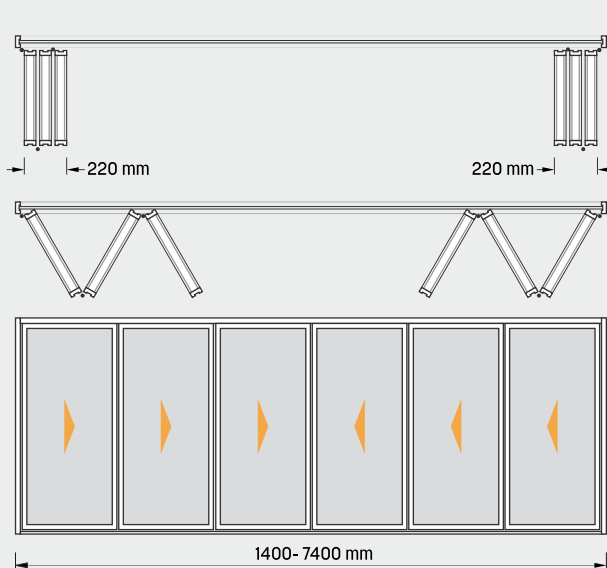
5L

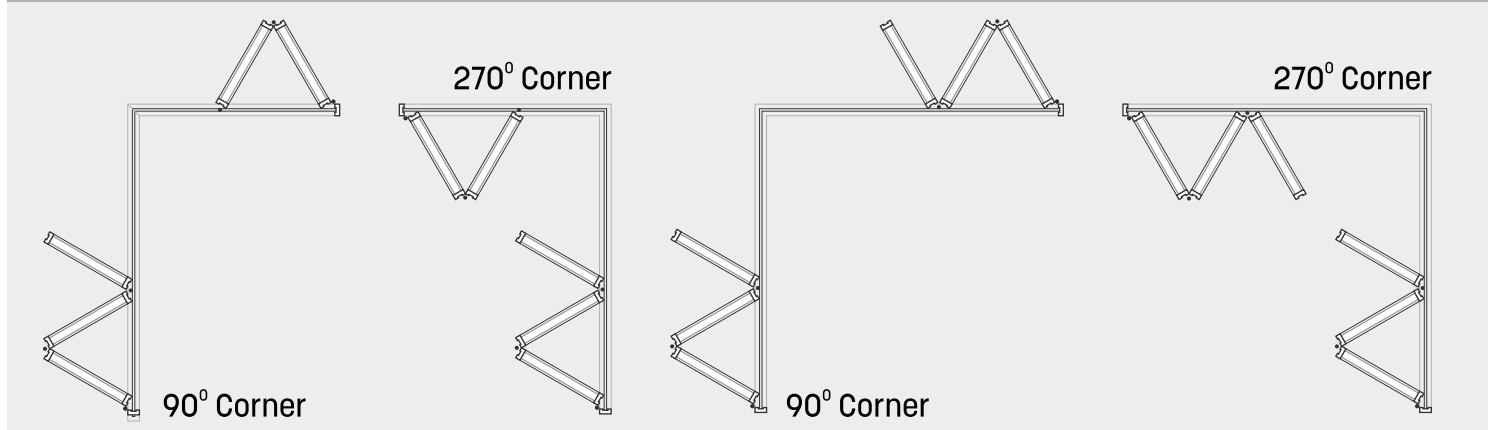


5+1L



3+3L

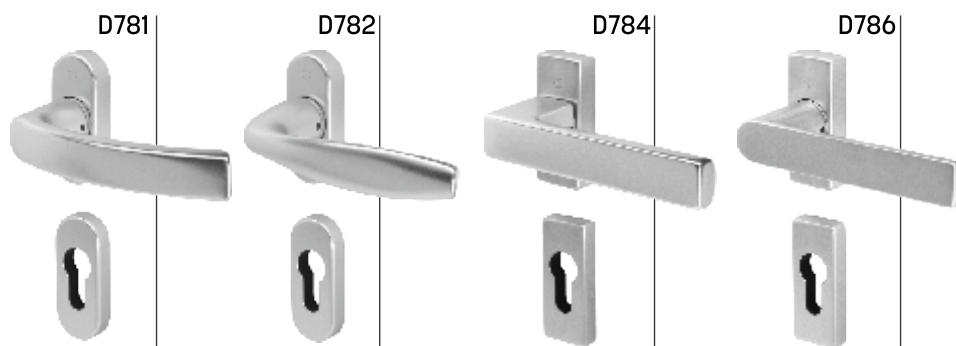




Technical Characteristics

Track bottom Height:	35, 49, 71, 90 mm
Frame Depth:	77 mm
Sash face Width:	30, 42, 44 mm
Sash Depth:	60 mm
External Sash-Sash visible face impression:	30 + 30 mm
Internal Sash-Sash visible face	30 + 30 mm
Opening Type:	Fold & Slide
Max sash Width:	1200 mm
Max sash Height:	3500 mm
Max sash Weight:	130 Kg
Glazing width possibilities:	32 mm
Max Locking Points:	5
Thermal Break Width:	16 / 24 mm
Sealing Type:	4 Gaskets
Fabrication Thermal Transmittance EN ISO 10077-2 (U_w):	$\geq 1,45 \text{ W/(m}^2\text{K)}$
Sliding Rollers:	Stainless Steel
Alignment Rollers:	Stainless Steel

Door Handle Options



Lock Options

Single Lock



Multi-Lock



Window Handle Options





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