126 SERIES · PRODUCT ARTICLE

Side Pressure Window Profile System

A complete aluminum window system built around the profile - with matched materials, hardware, seals, glazing and accessories.



126 mm	6063A-T5	1.8 mm	41 mm
frame platform	aluminum alloy	main wall thickness	glazing rabbet

PROFILES · MATERIALS · HARDWARE · ACCESSORIES · GLASS

01 · THE SYSTEM

A sliding profile system that closes with pressure.

The 126 Series is designed for projects that want the convenience of a sliding window without relying on a conventional sliding seal. The sash travels sideways, then draws toward the frame at closure. This side-pressure action improves contact around the sealing line while keeping the interior clear of a swing sash.

The frame, sash, sealing strips, hardware and glass are specified as one system. For fabricators and project buyers, that means the profile platform becomes the starting point for the full window - not just a standalone extrusion.

PROFILE PLATFORM

126 mm frame, shared across two opening options.

Both the standard side-pressure window/door and the tilt version use the same 126 mm frame and profile system.

68 mm

sash face width

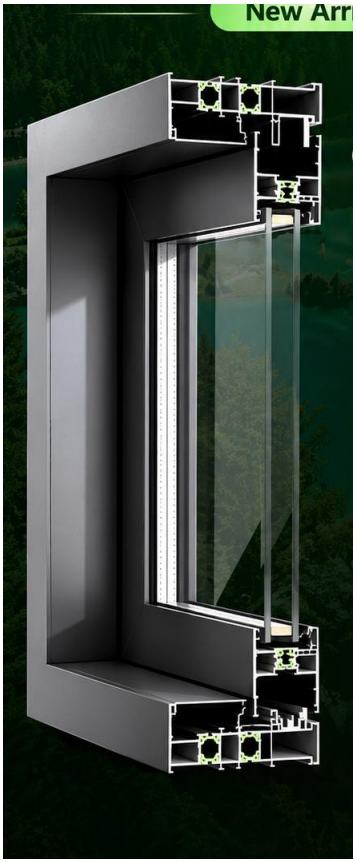
55 mm

sash thickness

9.5 kg/m²

approximate profile consumption

For larger panes and wider daylight openings, the system can be upgraded to the 133 Series.



126 Series profile cross-section.

02 · MATERIALS

The profile is only one part of the performance.

The 126 Series pairs the aluminum extrusion with thermal-break and sealing materials selected to work with the side-pressure movement of the sash.

6063A-T5 ALUMINUM PROFILE	The main frame and sash use 6063A-T5 aluminum alloy. The main profile wall thickness is 1.8 mm, providing the structural base for the window and its glazing.
PA66 THERMAL BREAK	PA66 thermal-break strips separate the interior and exterior aluminum sections and help reduce direct heat transfer through the frame.
EPDM SEALING	Multiple EPDM sealing strips work with the side-pressure closing action, creating firmer gasket contact around the sash and frame.

03 · HARDWARE & ACCESSORIES

Specify the system, not just the extrusion.

The 126 Series can be matched with the components needed to complete the window. This is useful for distributors and fabricators who want the profile and its supporting parts to arrive as a coordinated package.

Handles & locks	Side-pressure hardware	Tilt hardware
PA66 strips	EPDM seals	Screen mesh
Safety guard rail	Insulated glass	Matching accessories

04 · HOW IT CLOSES

Side pressure is the key difference.

A conventional slider depends mainly on overlap and continuous contact as the sash moves. The 126 Series adds a final pressure movement at closure. The sash is pulled toward the frame so the sealing strips are compressed more firmly.

That closing action is the reason the system is positioned as the strongest-sealing option within the sliding range.

TILT MICRO-VENTILATION

The tilt model adds a separate ventilation position for daily airflow while retaining the side-pressure sealing concept when fully closed.



Original 126 Series feature reference.

05 · GLAZING

41 mm glazing rabbet.

The profile system supports two insulated glass combinations in the source specification:

5 + 22A + 5	Insulated glass configuration for residential and commercial projects.
6 + 20 + 6	A thicker insulated glass option for projects that require greater glass thickness.

06 · TESTED PERFORMANCE

The numbers behind the system.

The tested 126 Series side-pressure sealed window was evaluated in accordance with GB/T 7106-2019. The tested sample was rated first-class grade.

Grade 9	Grade 5	Grade 6 / 7
Wind-load resistance 5.0 kPa	Water tightness 550 Pa	Air permeability positive / negative

07 · APPLICATIONS

Where the system fits.

BALCONY & LIVING ROOM	Side-sliding operation keeps the room clear while allowing a large ventilation opening.
VILLAS & LARGE GLAZING	The 133 Series upgrade is available for projects with larger panes and wider openings.
FAMILY HOMES	Optional screen mesh and guard rails can add insect protection and an extra safety layer.
COMMERCIAL SPACES	The sliding format suits shopfronts, office partitions and circulation areas where swing clearance is limited.

Profiles, materials and accessories can be configured around project dimensions and opening requirements.

Profile samples, technical support and product test reports are available on request.