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## duoPort PAS

The Slide Fitting System with Parallel Action.



in  
windows



## Energy-efficient and secure ventilation – with parallel action by Winkhaus.

### Made for the future.

As modern living spaces are getting increasingly air-tight, it is more and more important to control the supply of fresh air. Winkhaus fitting systems provide a perfect solution to this challenge: **parallel action**.

A surrounding gap of up to 6 mm between the sash and the frame ensures a natural exchange of air.

### One function – many advantages.

The parallel position offers several benefits revolutionising room ventilation. The gentle exchange of air does not cool the room too much, unlike conventional windows. In addition, the same burglar resistance as with closed sliding doors is enabled.

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### Winkhaus Plus

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- + Natural, healthy indoor ambiance
  - + Opening, parallel position and closing made easy using only one handle
  - + Prevents the cooling of rooms, saves energy
  - + Even in parallel position increased burglar resistance up to resistance class RC2
  - + Reduces outside noise when compared to a conventional window
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## duoPort PAS – Innovative room ventilation with the sliding door closed.

The innovative duoPort PAS slide fitting provides sliding doors with a new functional dimension. The parallel opening setting conceived by Winkhaus enables a natural and smooth room ventilation, even when you're not at home. Operation is intuitive and utmost convenient. Just see for yourself.

### Sliding doors with added value.

The duoPort PAS fitting system brings sliding doors to the third dimension: The activPilot central locking system not only allows the opening, sliding and locking functions, but the door can also be opened to the parallel position. All these functions are controlled by a single handle. Supported by an energy storage device and an integrated damper function, sliding doors up to 160 kg can be easily operated. The special construction of shears and bogies as well as the time-tested fail-safe device FSF make the handling very easy and intuitive.

### Efficient installation of large windows.

Pre-assembled modules ensure duoPort PAS components are easily installed. Quick and efficient mounting is enabled by the modular activPilot fitting system.

### Burglar-resistant ventilation.

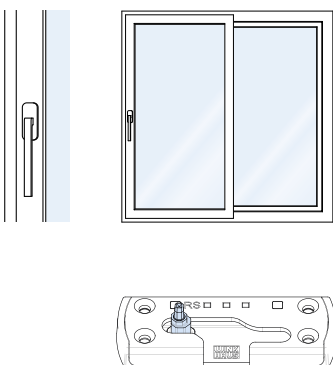
activPilot octagonal locking bolts in combination with steel mini vent keeps offer an increased basic security, even in the duoPort PAS standard version. The parallel opening position meets the same burglar resistance class as a closed window.



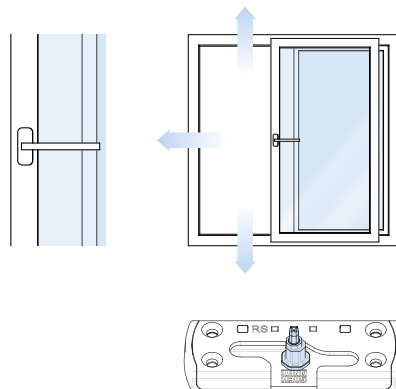
### Up to resistance class RC2

The duoPort PAS fitting system allows sliding doors to be implemented according to DIN EN 1627-1630 up to resistance class RC 2. The special fittings provide efficient intrusion resistance even in the parallel ventilation position.

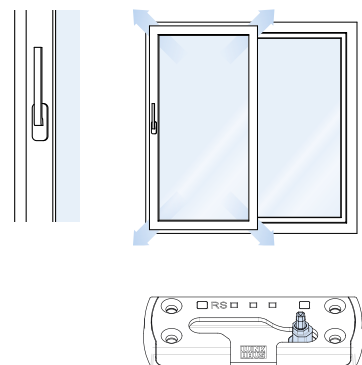
Sliding door closed



Sliding door open



Sliding door with parallel opening up to 6 mm



## Overview of product advantages.




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### Wide range of uses

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- + Also for deep sash profiles – e. g. for highly heat-insulating window systems
- + For sash weights up to 160 kg
- + For sliding doors with two, three or four sashes
- + Frame parts matched to numerous window profiles for efficient mounting




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### Convenient and secure operation

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- + Smooth and gentle running capacities due to well-proven shear and bogie construction
- + Fail safe device FSF prevents faulty operation
- + Safe operating convenience during the sliding process and during ventilation
- + Silent closing and opening of the sash, supported by special energy storage units




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### Frame and sash components can be used for different system types

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- + Concealed central locking system from the modular activPilot system
- + Compatible with activPilot frame components
- + Cost-effective warehousing
- + Minimises capital that is tied up
- + Position of locking elements identical to activPilot fitting system



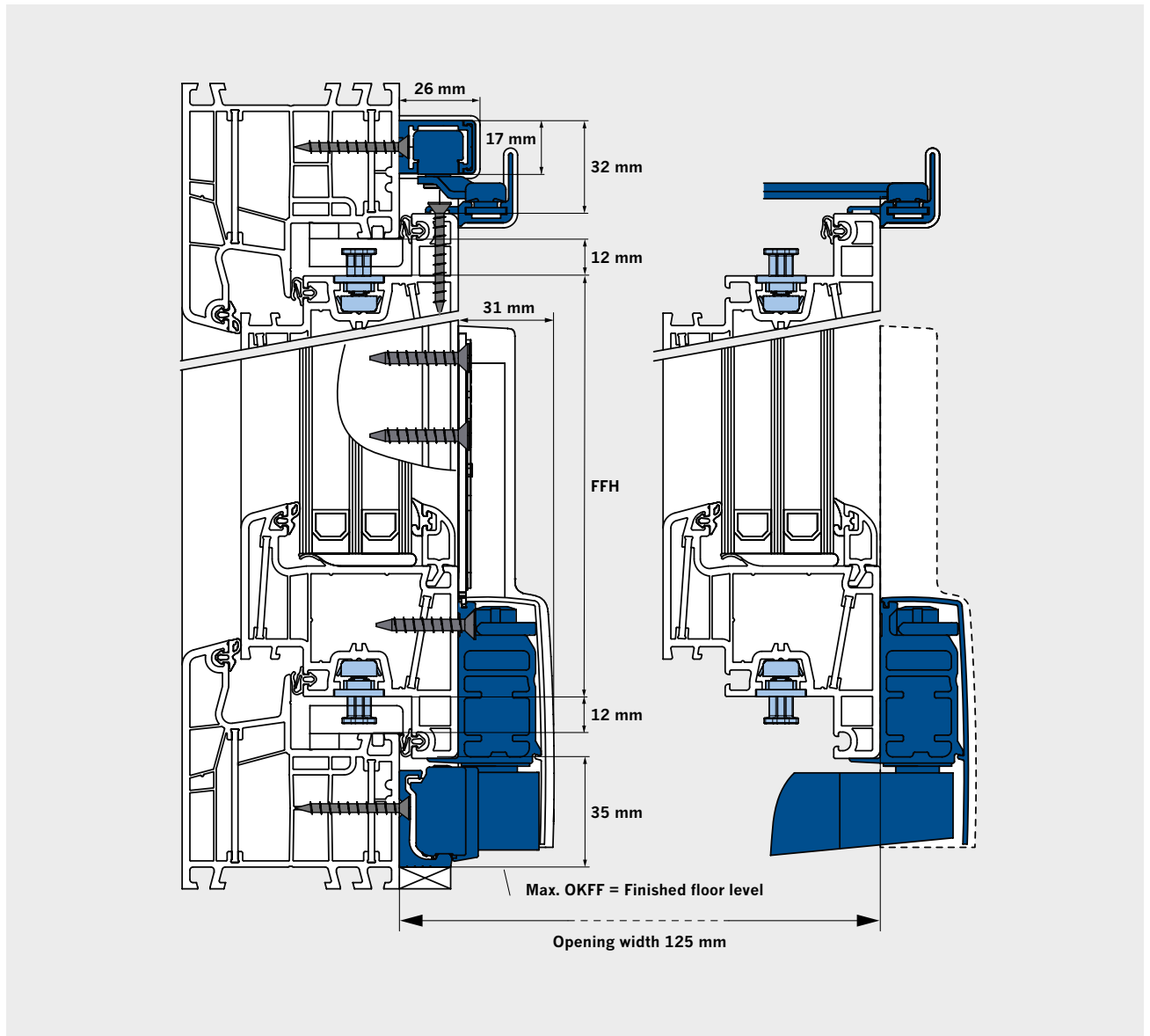

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### Advantages in logistics

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- + Ready-to-use, compact rail sets in different sizes
- + Elaborate assembly concept for optimum production processes
- + Central locking system and locking elements from the activPilot range can be used in different systems
- + Gradual adaption to stringent security requirements

# Technical data.



## Application range duoPort PAS

- + For sliding PVC-U and timber doors
- + Maximum sash weight: 160 kg
- + Sash rebate width (FFB): 750 to 1,650 mm
- + Sash rebate height (FFH): 650 to 2,300 mm
- + Opening width: 125 mm
- + Free size of the frame: 35 mm\*

- + Future-oriented functional capacity for refurbished and new buildings
- + Supports the objectives of modern and energy-efficient architecture

\* Free size of the frame = gap between the floor surface and the lower edge of the sash