

# Schüco AS FD 75/90.HI

Aluminium folding sliding system





## The new AS FD 75/90.HI folding sliding system platform

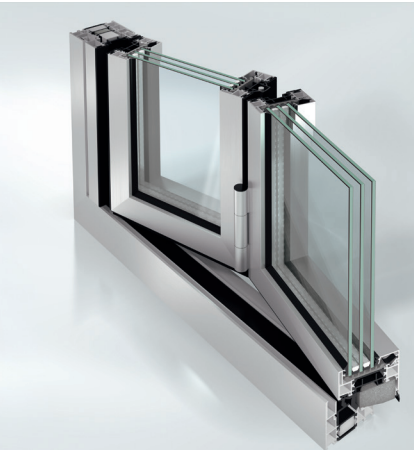
### Glass façade with integrated sliding function

Together with lift-and-slide and Panorama Design systems, the folding sliding systems complete the Schüco sliding door portfolio, with maximum functionality, comfort and design.

Whether open or closed, the large foldable glass units with their slim profiles create a transparent connection between the inside and outside. Their space-saving construction ensures maximum opening widths with plenty of space to pass through.



## Benefits



Schüco AS FD 90.HI  
(continuous outer frame,  
inward or outward-opening)

Schüco AS FD 75/90.HI fulfils the highest architectural demands and impresses right down to the last detail.

Schüco AS FD 75 (Aluminium Sliding Folding Door) and Schüco AS FD 90.HI (High Insulated) platforms offer;

**Clean design:** with its completely flush frame concept, limited visible joints and narrow face widths of just 90 mm, the AS FD 75/90.HI enables high-quality design solutions to be created which blend harmoniously into the building architecture.

**Maximum planning freedom:** The folding sliding system offers new planning and design options for residential and commercial construction projects. Large vent dimensions and vent weights are possible as well as a wide range of opening types. Three different threshold types are also available.

**Unrestricted functionality:** The large selection of opening and locking options enables many different requirements and demands to be met without restrictions. The integrated side-hung vent provides a quick-access doorway. A maximum opening width also brings the inside out.

### Narrow Face widths

For a thermally broken folding sliding system, Schüco AS FD 75/90.HI offers extremely narrow face widths of 90mm. The benefit of this is a higher proportion of glass to frame and therefore greater transparency when the vents are closed, which is further enhanced by vent widths of up to 1500mm. The 90mm narrow face widths are made possible by the innovative, space-saving vent frame concept, which involves the positioning of the shoot bolt and gearbox in the centre of the vent joint. When closed, the fittings components are concealed by a U-shaped PVC-U profile. This ensures both generous views and indoor spaces flooded with light.



Schüco AS FD 75  
(continuous outer frame,  
inward or outward-opening)

## Technical data

Properties	Schüco AS FD 75	Schüco AS FD 90.HI
Vent basic depth	75mm	90mm
Max. vent width	1500mm	1500mm
Max. vent height	3000mm	3500mm
Vent weight	150kg	150kg
Face width at the vent joint	90/104mm	90/104mm
Glass thickness	5-38mm / 5-50mm	30-53mm / 20-65mm
Air permeability	Up to class 4	Up to class 4
Wind load resistance	C2/B3	C2/B3
Watertightness	E750	E750
Thermal insulation*	From 1.1 W/(m <sup>2</sup> K)	From 0.8 W/(m <sup>2</sup> K)
Sound reduction	Up to 47 dB	Up to 47 dB
Burglar resistance	RC 2/PAS 24	RC 2/PAS 24
Manual operation	Yes	Yes

Features	Schüco AS FD 75	Schüco AS FD 90.HI
Threshold height	4/15/71mm	4/15/71mm
Monitoring of closing	Yes	Yes
Side-hung vent	Yes, optional	Yes, optional
Opening types	68	68

\*Type 3 LH/3 Rh, continuous outer frame, (Wx H) 4000mm x 2500mm, Ug 0.5 W/m<sup>2</sup>K

# Threshold designs

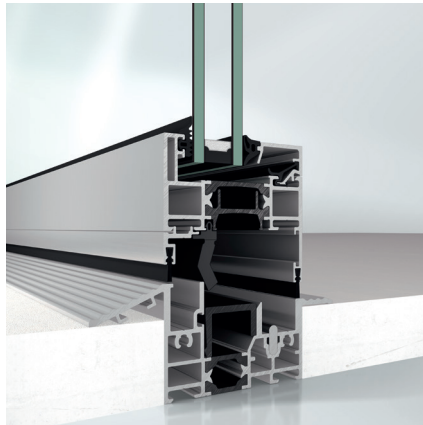
Three different threshold profiles are available for both Schüco AS FD 75 and Schüco AS FD 90.HI

Continous outer frame

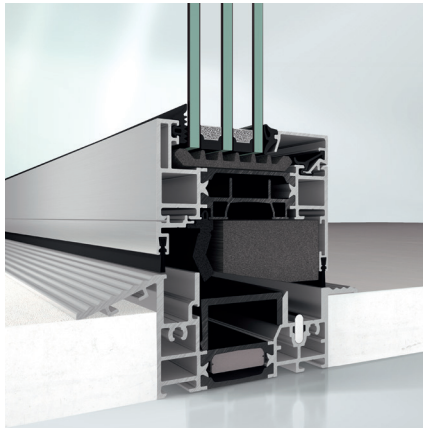
15mm rebate threshold

4mm threshold\*

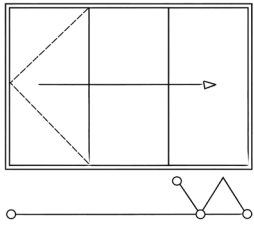
Schüco AS FD 75



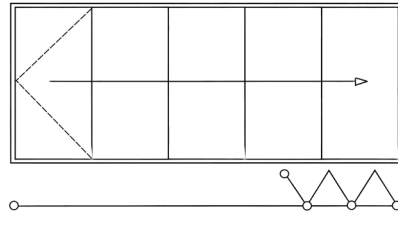
Schüco AS FD 90.HI\*



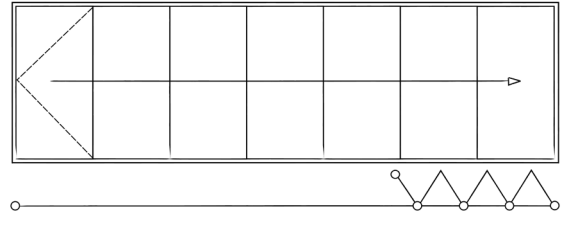
## Opening types



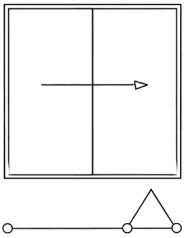
Type 3R



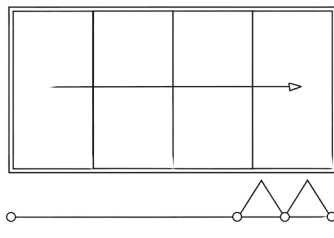
Type 5R



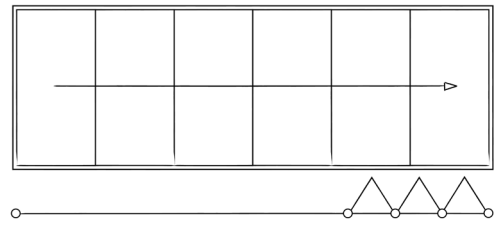
Type 7R



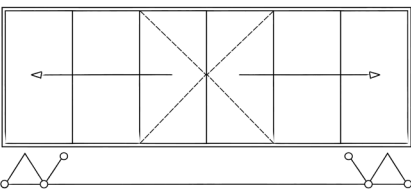
Type 2R\*



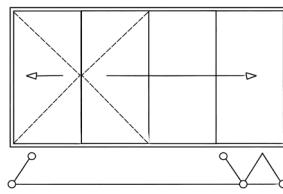
Type 4R\*



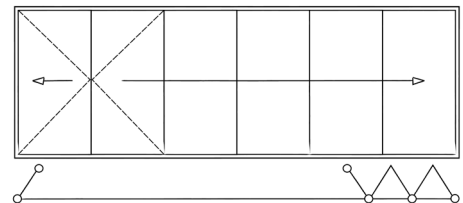
Type 6R\*



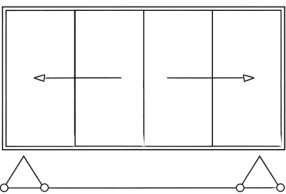
Type 3L/3R\*



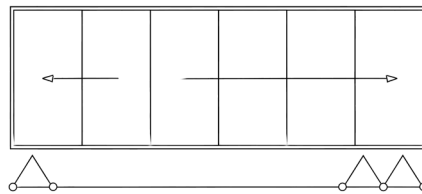
Type 1L/3R\*



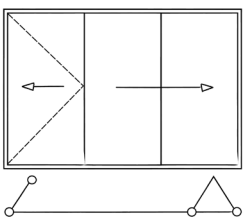
Type 1L/5R\*



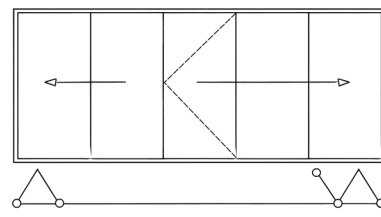
Type 2L/2R\*



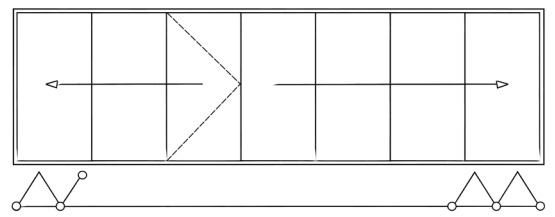
Type 2L/4R\*



Type 1L/2R\*



Type 2L/3R\*



Type 3L/4R\*

All opening types are valid for inward and outward-opening units as well as those opening to the right and left.

## Schüco AS FD 75/90.HI



As a leader in innovation for system-based construction, Schüco aluminium folding sliding systems combine the highest standards in terms of energy safety, security and design with market-specific requirements.

### Schüco International KG

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### Schüco – System solutions for windows, doors and façades

Based in Bielefeld, the Schüco Group develops and sells system solutions for windows, doors and façades. With 6330 employees worldwide, the company strives to be the industry leader in terms of technology and service both now and in the future. In addition to innovative products for residential and commercial buildings, the building envelope specialist offers consultation and digital solutions for all phases of a building project – from the initial idea through to design, fabrication and installation. Schüco works with 10,000 fabricators and 30,000 architectural practices, as well as construction professionals who commission buildings around the world. Founded in 1951, the company is now active in more than 80 countries and achieved a turnover of 1.995 billion euros in 2021. For more information, visit [www.schueco.com](http://www.schueco.com)

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# Overview

	Schüco ASS 77 PD.SI	Schüco ASS 77 PD.HI	Schüco ASS 50	Schüco ASS 80 FD.HI	Schüco ASS 70 FD	Schüco AS FD 90.HI	Schüco AS FD 75	Schüco AS PD 75.HI	Schüco ASE 67 PD	Schüco ASE 80.HI	Schüco ASE 80	Schüco ASE 60	Schüco AWS 90.SI+ PASK
<b>Energy</b>													
Thermally insulated			■		■		■		■				
High Thermally insulated	■	■		■		■		■		■	■	■	■
<b>Design</b>													
Basic depth of vent frame in mm	77	77	50	80	70	90	75	75	67	80	80	60	100
Number of tracks													
Single track			■	■	■	■	■		■	■	■	■	■
Double track	■	■	■					■	■	■	■	■	
Triple track			■						■	■	■	■	
Maximum vent weight in kg	500	500	400	100	100	150	150	500*	400	600	600	600	250
<b>Fittings</b>													
Crank handle			■										
Sliding handle			■					■**	■	■	■	■	
Tilt / slide handle													■
Folding handle				■	■	■	■						
Door handle				■	■	■	■						
Window handle				■	■	■	■						
Operating switch	■	■						■**		■	■	■	
<b>Opening types</b>													
Sliding vent	■	■	■					■		■	■	■	
Lift-and-slide vent			■							■	■	■	
Tilt / slide units													■
Folding sliding door				■	■	■	■						
<b>Areas of Use</b>													
Window	■	■	■	■	■	■	■	■		■	■	■	■
Door	■	■	■	■	■	■	■	■		■	■	■	■

\*AS PD 75.HI max weight: 500kg Manual / 600kg Performance Line / 800kg Mechatronic

\*\*AS PD 75.HI fittings: Access Line & Design Line manual or mechatronic operation / Performance Line mechatronic operation only



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	Series												
<b>Security</b>													
Burglar resistance in accordance with DIN EN 1627													
RC2 (WK2)	■	■	■	■	■	■	■	■		■	■	■	■
Monitoring of closing		■				■	■	■		■	■	■	
<b>Automation</b>													
Schüco e-slide			■										
Schüco TipTronic	■	■						■		■	■	■	
Access Control	■	■	■					■					

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