

**Adjustable Window Installation fixed beyond  
the Wall Structure: JB-D® System from SFS intec**



## JB-D® – the Window Installation System with many + Advantages

The JB-D® mounting system permits accurate window and doorset positioning and accommodates all dead and imposed loads.

The JB-D® system is adjustable in three planes to easily compensate for constructional tolerances. The installation cantilever is up to 150 mm and can be positioned according to the optimum isothermal profile.



### Cost Effective

- + Fully 3D adjustable
- + Easy to compensate for common construction tolerances
- + Simple, quick and secure installation of larger, heavier windows and doorsets
- + System solution for cantilevers of 30 mm to 150 mm
- + Increased load capacity without costly additional support components
- + The robust design of the assembly gives assurance against potential post-installation problems

### Higher Quality

- + Calculated load bearing capacity and safety statics (see data sheets)
- + Secure, consistent window installation
- + Accommodating all operating loads
- + Comprehensive system from one supplier
- + Easy and secure mounting according to RAL regulations / ift Rosenheim (Germany)

### Construction Physics

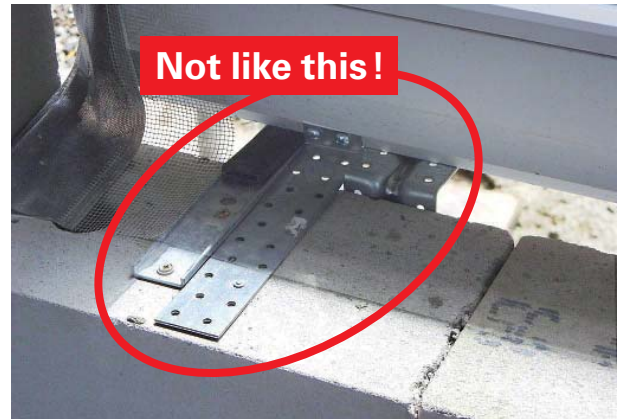
- + Installation cantilever selected according to optimum isothermal profile
- + Sealing process is not hindered
- + Sufficient space for insulation and sealing materials

## Structural Defects Resulting from Errors in Design or Installation



### Trouble with condensation?

When warm air cools too quickly on the inside of the window, condensation forms. This can be avoided through proper calculation of the window position.



**Not like this!**

### This is incorrect installation!

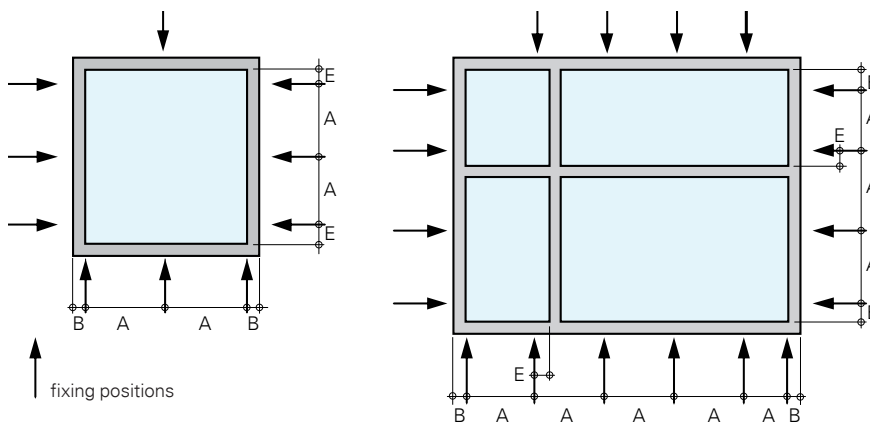
Above, we show the attempt to install with "make-do" supports a window in the insulation zone – an inconsistent, unreliable, costly approach.



### Mould is unhealthy

Mould indicates design errors. The isothermal profile was incorrectly calculated, or the window installation was not carried out properly.

## Determining frame fixing positions



### A Spacing of JB-D® mounting brackets

- aluminium windows: max. 800 mm
- timber windows: max. 800 mm
- PVCu windows: max. 700 mm

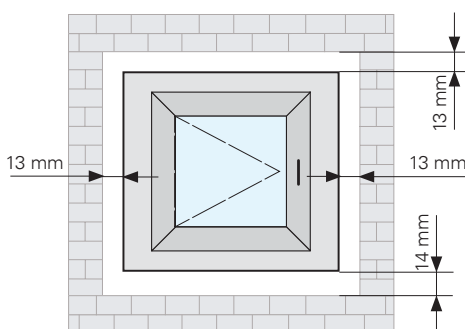
### B Spacing from the outer corner

50–70 mm from the outer corner of the window frame

### E Spacing from the inner corner

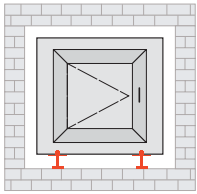
Distance from the **inside corner** of the jamb frame and the mullions / transoms, 100–150 mm

## Clearance



minimum distance  
Aperture to frame

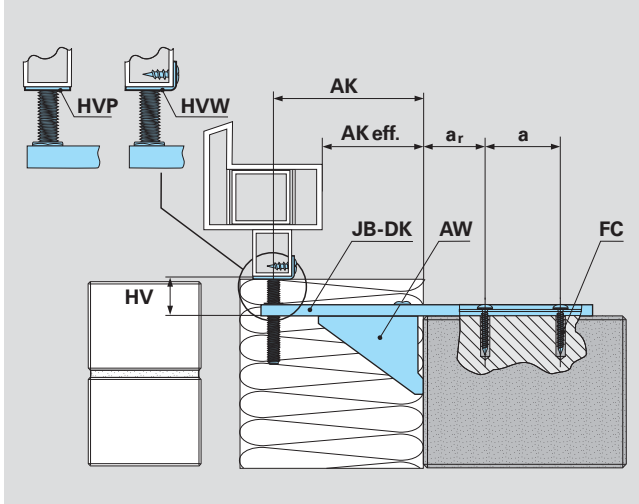
Maximum distance /  
gap width 25 mm



## Pre-installation of JB-DK brackets on the cill of the aperture (pre-installed without window)

Structure:

**Sand-lime brick, concrete**



### Dimensions and names

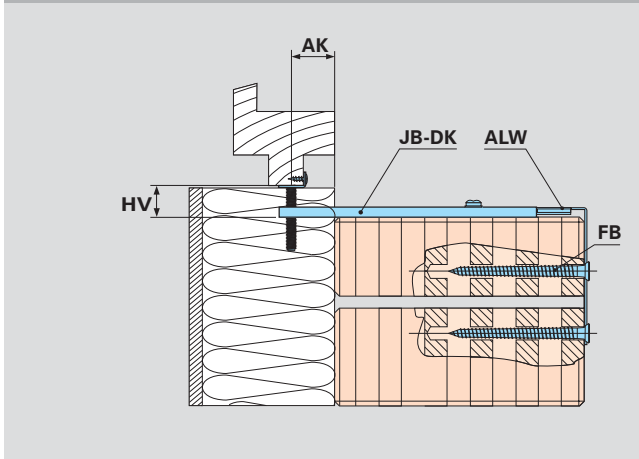
<b>AK</b>	max. cantilever (with respect to mid-frame profile)
<b>AKeff.</b>	effective cantilever (depending on profile width)
<b>HV</b>	Height adjustment, max. 30 mm
<b>a</b>	Centres distance, min. 25 mm (appl. to SFS fasteners)
<b>ar</b>	Edge distance, min. 30 mm (applies to SFS fasteners)
<b>AW</b>	Support angle, over 80 mm cantilever
<b>ALW</b>	Support angle for perforated bricks
<b>HVW</b>	Height adjustable angle
<b>HVP</b>	Height adjustment plate

### JB-DK brackets

mm	Order code	Item No.
<b>AK 5-50</b>	JB-DK50/5-HVW30	1172603
	JB-DK50/5-HVP30	1172604
138/1,5 mm		
138/2,5 mm	JB-DK50/10-HVW30	1187876
	JB-DK50/10-HVP30	1187877
<b>AK 5-100</b>	JB-DK100/10-HVW30	1172607
	JB-DK100/10-HVP30	1172608
188/2,5 mm		
<b>AK 50-100</b>	JB-DK100/10-AW75/27-HVW30	1246444
	JB-DK100/10-AW75/27-HVP30	1246449
188/2,5 mm		
<b>AK 100-130</b>	JB-DK100-130/10-AW125/57-HVW30	1246445
	JB-DK100-130/10-AW125/57-HVP30	1246450
253/2,5 mm		
<b>AK 120-150</b>	JB-DK120-150/10-AW125/37-HVW30	1246446
	JB-DK120-150/10-AW125/37-HVP30	1246451
253/2,5 mm		

Structure:

**Perforated bricks**



### JB-DK-ALW brackets

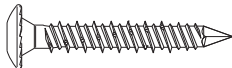
mm	Order code	Item No.
<b>AK 100</b>	JB-DK100/10-ALW-HVW30	1248371
	JB-DK100/10-ALW-HVP30	1248372
253/2,5 mm		
<b>AK 100</b>	JB-DK100/10-ALW-AW75-HVW30	1246447
	JB-DK100/10-ALW-AW75-HVP30	1246452
253/2,5 mm		

The window installation on perforated brick masonry uses the **ALW** support angle. It is attached on the inside of the structure with **FB** fasteners.

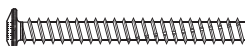


## Tools and accessories

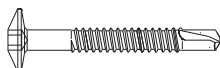
### Concrete and sand-lime brick installation

Order code	Item No.	
FC-D15/T25-7,2x45	924811	
100 pieces per box		


### Perforated brick installation

Order code	Item No.	
FB-FK-T30-7,5x102	1117984	
100 pieces per box		Other lengths avail. Upon request

### SPC coupling screw (self-drilling)

Order code	Item No.	
SPC4/33-5,5x45	1133336	
100 pieces per box		Other lengths avail. Upon request

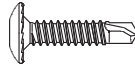
### Drive Bit

Order code	Length	Item No.
Bit T30-202 ¼"-6kt	70 mm	23488
Bit T25-101 ¼"-6kt	25 mm	24008
		10 pieces per box


### PVC installation, unreinforced

Order code	Item No.	
VAP/34-D13/T30-P6x40-GS	1147091	
100 pieces per box		


### PVC installation, with reinforcement

Order code	Item No.	
SPM3/15-D13/T30-5,5x25-GS	1141761	
100 pieces per box		


### Small mounting angle

Order code	Item No.	
<b>JB-W-70x58</b>	1179131	
50 pieces per box		

### Large mounting angle

Order code	Item No.	
<b>JB-W-120x58</b>	1234784	
50 pieces per box		

### Mounting plate

Order code	Item No.	
<b>JB-F-165x58</b>	1179120	
50 pieces per box		

### Personal consultation

If you have any questions about mounting technology, please call us. Our technicians have years of experience and would be happy to share their extensive knowledge of system applications with you.



### Technical advice and sales service

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