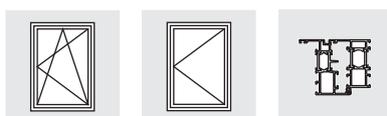


ALU ACCESSORIES

Sash brake with damper



Aluminium Eurogroove 15/20

Chamber dimension 21

Vertical tilt point (KPS)

Horizontal tilt point (KPW)

Size range (depends on hardware)

		Sash width (mm)	
		min.	max.
Sash brake ALU short	(KPS)	≥ 450	≤ 1000
	(KPW)	≥ 700	≤ 1000
Sash brake ALU axxent PLUS short	(KPS)	≥ 600	≤ 1000
	(KPW)	≥ 850	≤ 1000
Sash brake ALU long		≥ 1000	≤ 1600

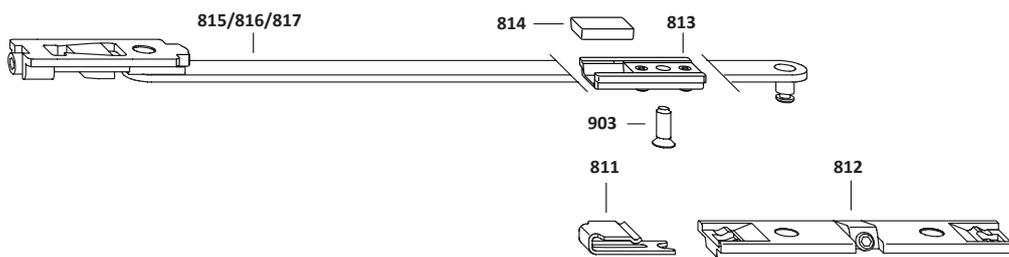
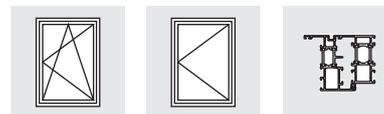
Please observe:

Guidelines/notes on the product and on liability (VHBH directive as well as the further applicable documents)!

Specifications from the profile manufacturers or system owners for windows and patio doors!



See SIEGENIA download portal for all documentation!



Item	Pieces	Material description	Material number	P/U	Material number	P/U
	1	Sash brake ALU short	MSBR0100-10001_	1	MSBR0100-10005_	50
811	1	Spring				
812	1	Top hinge block				
813	1	Stop				
814	1	Filling piece for end position cushioning				
815	1	Sash brake ALU short				
	1	Sash brake ALU axxent short	MSBR0150-10001_	1	MSBR0150-10005_	50
811	1	Spring				
812	1	Top hinge block				
813	1	Stop				
814	1	Filling piece for end position cushioning				
816	1	Sash brake ALU axxent short				
	1	Sash brake ALU long	MSBR0120-10001_	1	MSBR0120-10005_	50
811	1	Spring				
812	1	Top hinge block				
813	1	Stop				
814	1	Filling piece for end position cushioning				
817	1	Sash brake ALU long				
903	1	Countersunk screw M5 x 19 Use for sash groove with recess (see fig. 1)	800867	1	257562	40

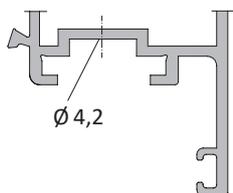


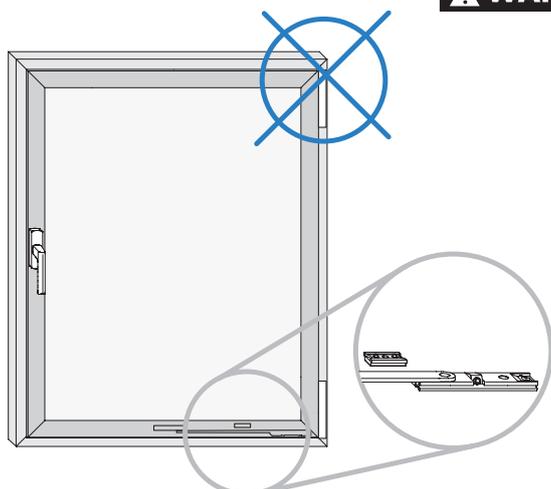
Fig. 1

Installation of the sash brake with damper on the bottom hinge side (BSU)

⚠ WARNING

Installation on the top hinge side will cause the hinge side to break.
Risk of injury due to window sash falling out!

> Only install the sash brake with damper on the bottom hinge side as shown in the adjacent figure.





Assembly dimensions for sash and frame

Single sash square turn and tilt, tilt-turn and turn-only
Sash brake ALU with damper

ALU
Accessories

Measurements for opening angle

		Sash width (mm) min. max.		90° ALU 5100/5200 200/300		90° ALU axxent PLUS	
				X	Y	X	Y
Sash brake ALU short	(KPS)	≥ 450	≤ 1000	60	104	-	-
	(KPW)	≥ 700	≤ 1000				
Sash brake ALU axxent PLUS short	(KPS)	≥ 600	≤ 1000	-	-	137	156
	(KPW)	≥ 850	≤ 1000				
Sash brake ALU long		≥ 1000	≤ 1600	137	218	137	218

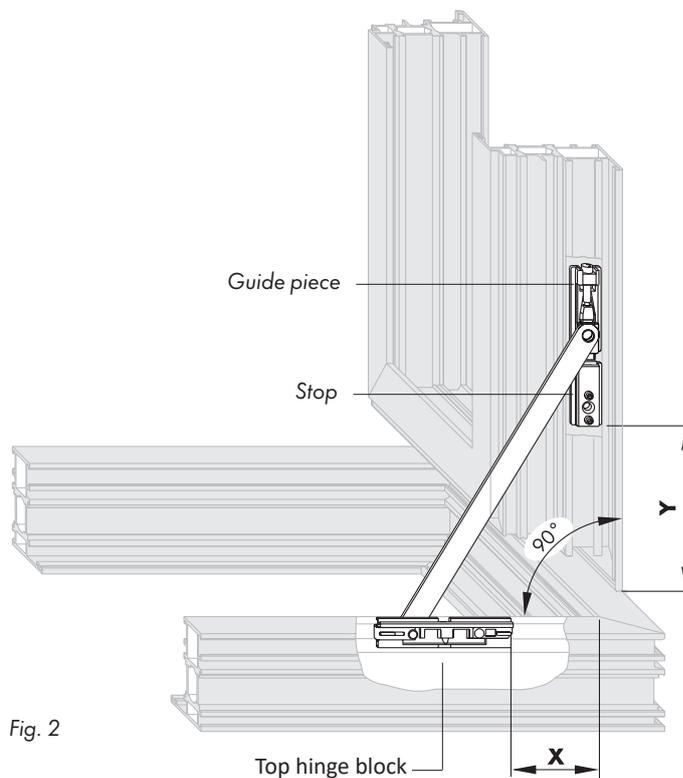
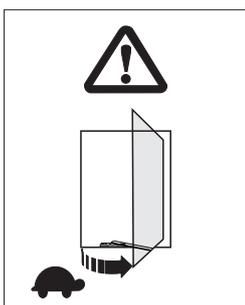


Fig. 2

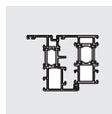
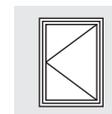
Turn window sash in end position



⚠ WARNING

Risk of injury and damage to property (hinge breakage) due to the sash falling out when opened incorrectly.

- > Avoid hitting the frame or other sash when opening one sash
- > Slowly move the sash into its end position by hand
- > Never let sashes swing open uncontrollably



Assembly instructions (example DIN right)

- | | | |
|-------------|----------|--|
| Sash | A | Press filling piece for end position damping (814) into the stop (813) (see fig. 3). |
| | B | Push stop (813) at the bottom locking side into the sash groove, position accordingly (see table and fig. 2) and secure with punching screws. Pre-drill in the case of sash groove with recess $\varnothing 4.2$ and fix stop (813) with countersunk screw M5 x 19 (903) (PZ2) (torque 2.5 Nm). Line stop (813) on site. |
| | C | Push guiding piece of the sash brake ALU (815/816/817) at VSU horizontally into the sash groove (fig. 2). |

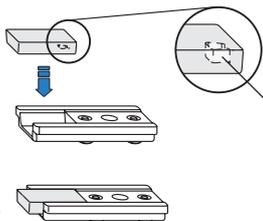


Fig. 3

Note: The groove in the filling piece for end position damping (**814**) must be pressed into the stop (**813**) as shown in the adjacent figure.

- | | | |
|--------------------------------------|----------|---|
| Frame | D | Clip spring (811) in pre-assembly position DIN right/left on top hinge block (812) (fig. 4). |
| | E | Insert top hinge block (812) into frame groove, position according to dimension X (see table and fig. 2) and clamp firmly with grub screw (torque 2.5 ± 0.25 Nm). |
| <i>only with
ALU axxent PLUS</i> | F | Insert top hinge block (812) into frame groove and push against the bottom hinge right/left ALU axxent PLUS (not illustrated), then clamp firmly with grub screw (torque 2.5 ± 0.25 Nm). |

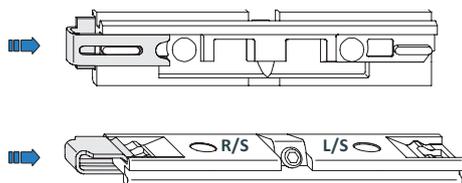
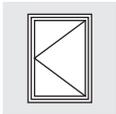


Fig. 4



Assembly instructions for sash and frame

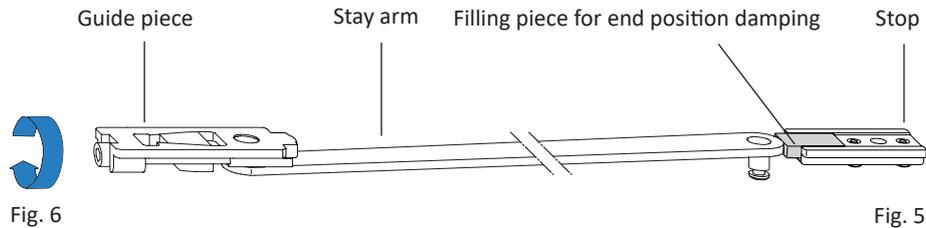
Single sash square turn and tilt, tilt-turn and turn-only
Sash brake ALU with damper

ALU

Accessories

Transit support

- Sash**
- G** Slide the stay arm of the sash brake ALU (815/816/817) on to the inserted filling piece for end position damping (814) in the stop (813) (fig. 5).
 - H** Tighten the cheese head screw on the guiding piece to prevent shifting (fig. 6).



Final assembly (example shows DIN right)

Attaching the sash brake (Fig. 7)

- I** Insert stop bolt of the sash brake ALU (815/816/817) into the intended drill hole DIN right/left of the top hinge block (812).
- J** Engage the spring (811) into its final position in the top hinge block (812).
- K** Make sure that the stop bolt of the sash brake short/long (815/816/817) is secured.

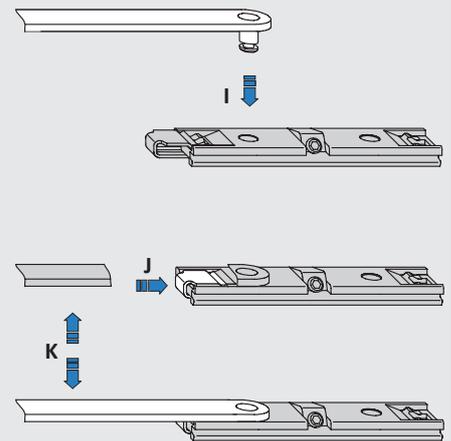


Fig. 7

Adjustment

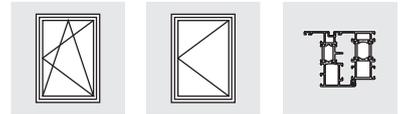
Adjust the cheese head screw on the guiding piece so that the sash has a noticeable turn resistance.

Braking-reaction

Adjust by screwing in or unscrewing the cheese head screw on the guiding piece (Fig. 6).

Tool

Hexagon screwdriver \varnothing 4 mm.



Cutting size of the operating rod S5 in the sash for MV VSU (FB > 1200)

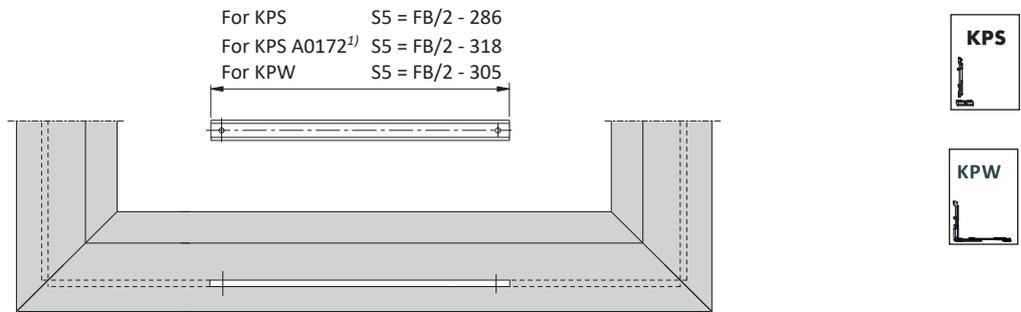


Fig. 8

1) with a recessed sash groove use operating rod S5 KPS A0172

Locking part positioning in frame for MV VSU (FB > 1200) (figure shows DIN right window)

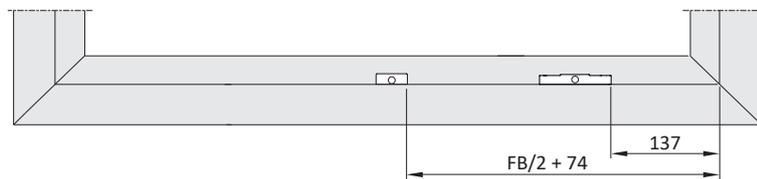


Fig. 9

-For burglar resistance: Adaptation of the operating rod S5 on request.