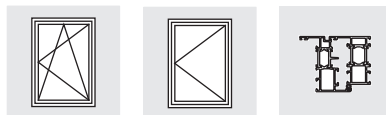


ALU accessories

Restrictor with damper size 1 and size 2



Aluminium Eurogroove 15/20

Chamber dimension 21

Vertical tilt point (KPS)

Horizontal tilt point (KPW)

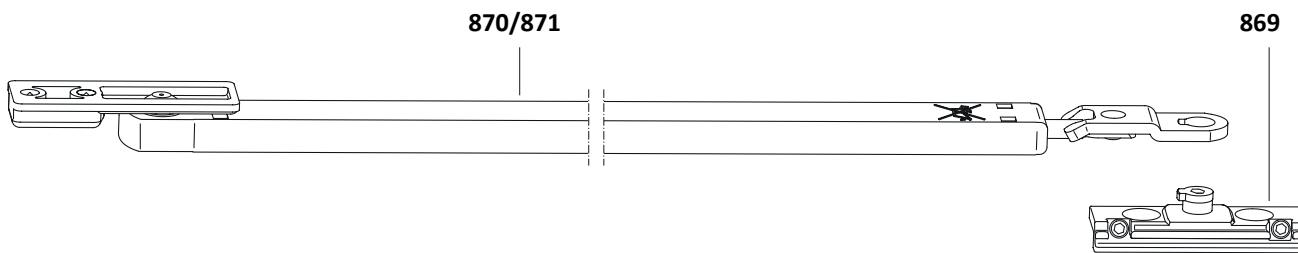
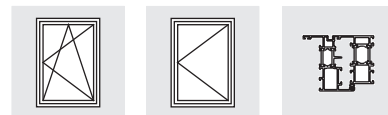
Size range (depends on hardware)

		Sash width (mm)		Sash weight (kg)
		min.	max.	max.
Restrictor with damper size 1 ALU 5200	(Vertical tilt point)	≥ 500	≤ 1000	100
Restrictor with damper size 1 ALU 5200	(Horizontal tilt point)	≥ 750	≤ 1000	100
Restrictor with damper size 2 ALU 5200 / ALU axxent PLUS	(Vertical tilt point)	≥ 700	≤ 1600	130
Restrictor with damper size 2 ALU 5200 / ALU axxent PLUS	(Horizontal tilt point)	≥ 950	≤ 1600	150

Please observe:

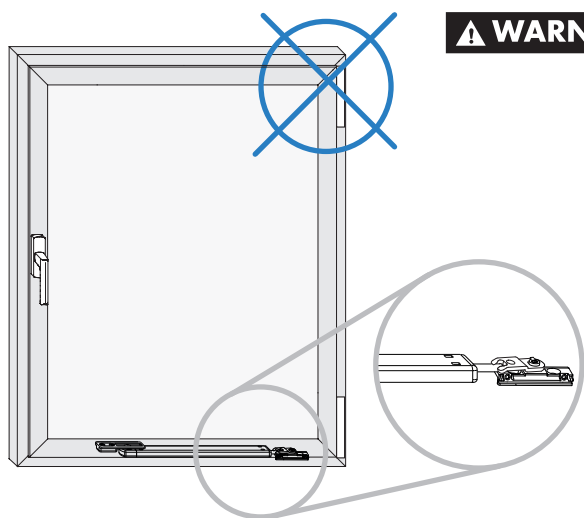
Guidelines/notes on the product and on liability (VHBH directive as well as the further applicable documents)!

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



Item	Pieces	Material description	Material number	P/U	Material number	P/U	
	1	Restrictor with damper size 1 (approx. 30 N)	ALU 5200	MSBR0170-10001_	1	MSBR0170-10002_	10
869	1	Frame bearing					
870	1	Opening restrictor force-absorbent size 1					
	1	Restrictor with damper size 2 (approx. 60 N)	ALU 5200 ALU axcent PLUS	MSBR0180-10001_	1	MSBR0180-10002_	10
869	1	Frame bearing					
871	1	Opening restrictor force-absorbent size 2					

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

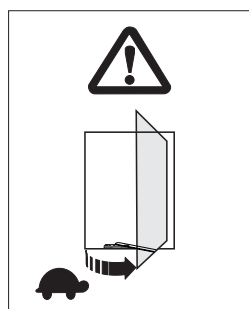


⚠ WARNING

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 restrictor with damper on the bottom hinge side as shown in the adjacent figure.

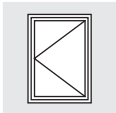
Opening the window sash



⚠ WARNING

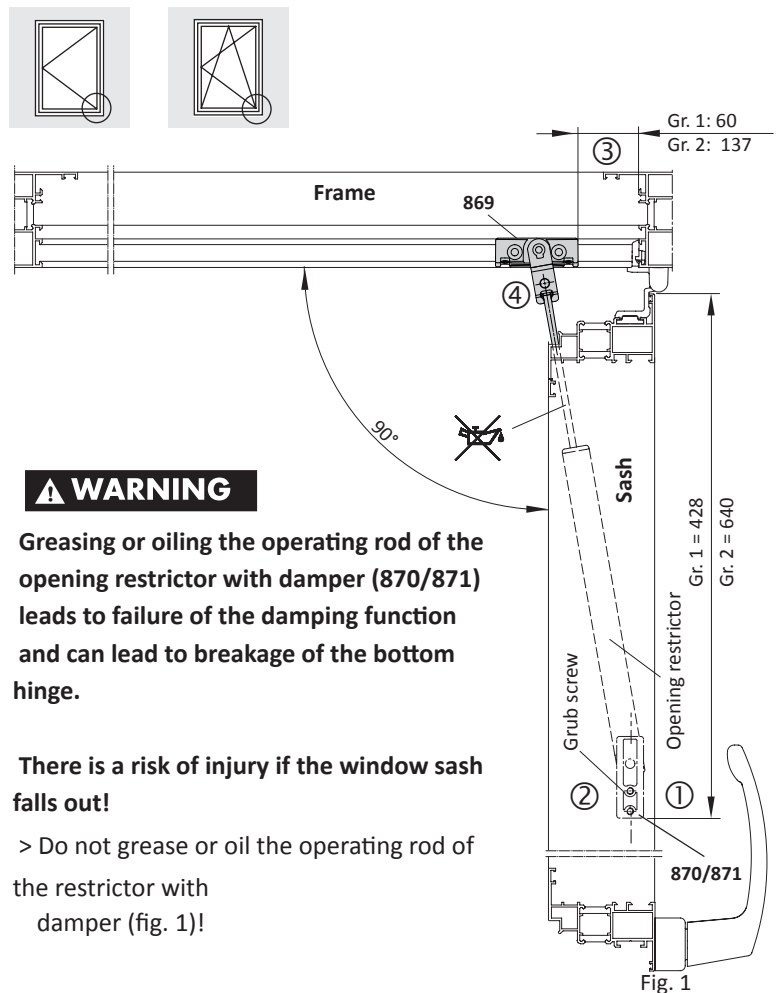
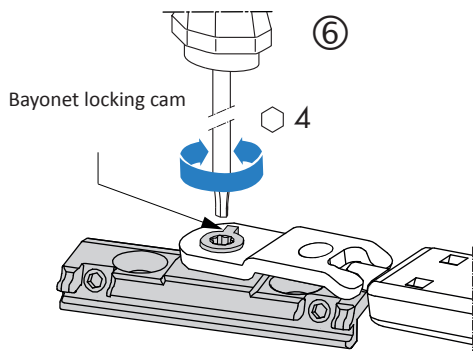
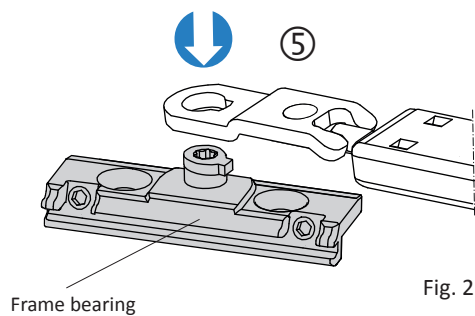
Risk of injury and damage to property (hinge breakage) due to the sash falling out when opened incorrectly.

> Slowly move the sash into its end position by hand.
> Never let sashes swing open uncontrollably.



Assembly instructions

- Sash**
- ① Insert opening restrictor with damper size 1/size 2 (**870/871**) horizontally into the bottom sash groove and position according to measurements (see fig. 1).
 - ② Secure opening restrictor with grub screws (SW 2.5, torque 3 + 0.5 Nm).
- Frame**
- ③ Insert frame bearing (**869**) into the frame groove and position according to dimensions (see fig. 1).
 - ④ Clamp frame bearing (**869**) tightly with grub screws (SW 2.5, torque 1.5 ± 0.25 Nm).
- Coupling**
- ⑤ Adjust the opened sash in such a way that the adapter of the connecting rod of the opening restrictor with damper size 1/size 2 (**870/871**) can be guided over the bayonet locking cam of the frame bearing (**869**) (see fig. 2). If necessary, adjust the bayonet locking cam of the frame bearing (**869**) for this purpose (SW 4 mm).
 - ⑥ After coupling the adapter, turn the bayonet locking cam of the frame bearing (**869**) towards the outside in order to prevent a disengagement of the adapter (see fig. 3).



⚠ WARNING

Greasing or oiling the operating rod of the opening restrictor with damper (**870/871**) leads to failure of the damping function and can lead to breakage of the bottom hinge.

There is a risk of injury if the window sash falls out!

> Do not grease or oil the operating rod of the restrictor with damper (fig. 1)!

⚠ WARNING

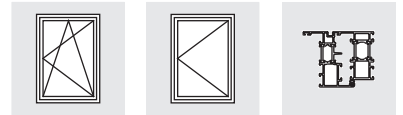
If the bayonet locking cam of the frame bearing (**869**) is not turned after the coupling, the connecting rod of the opening restrictor with damper (**870/871**) could disengage.

Tilting could lead to breakage of the bottom hinge.

There is a risk of injury if the window sash falls out!

> Turn the bayonet locking cam of the frame bearing (**869**) towards the outside, to prevent a disengagement of the adapter while opening and closing the sash.

Fig. 1



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

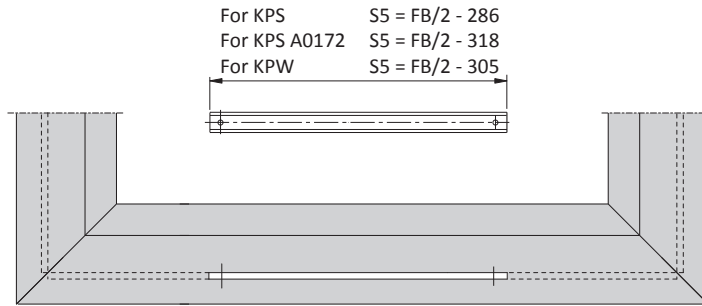


Fig. 4

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

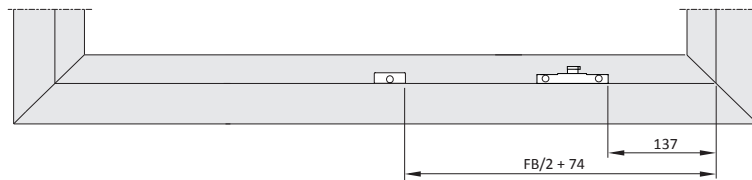


Fig. 5



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