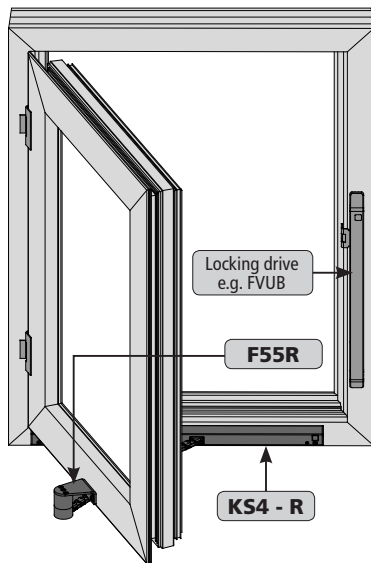


Drehvolution - KS4

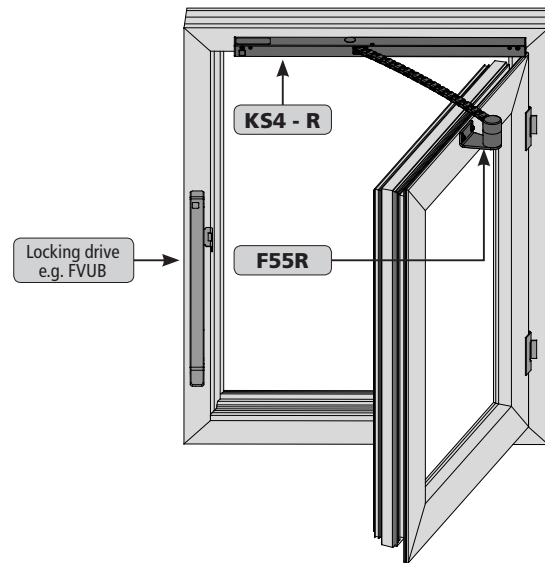
Drehvolution Set 1 Set consists of **KS4 R** and casement bracket **F55R**

Version: **Set 1**
Part.-No.: **522035**

Application:
for side-hung window (DIN) left side hinged



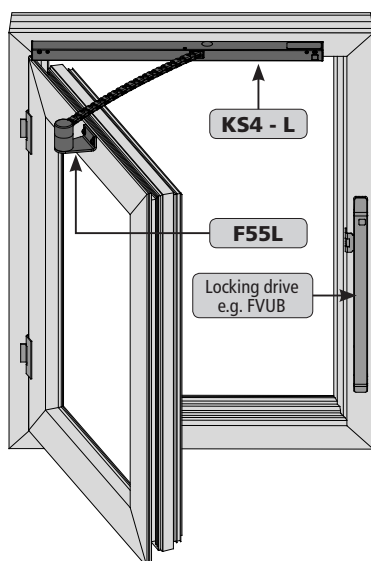
Application:
for side-hung window (DIN) right side hinged



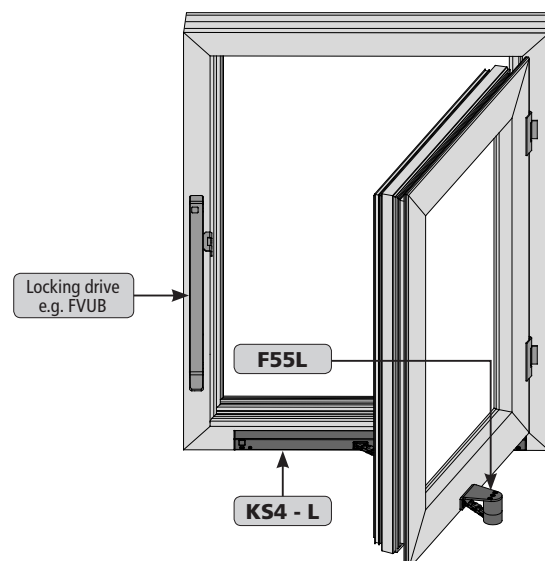
Drehvolution Set 2 Set consists of **KS4 L** and casement bracket **F55L**

Version: **Set 2**
Part.-No.: **520035**

Application: for side-hung window DIN left



Application: for side-hung window DIN right



*) FAB = at least 550 mm to max. 1000 mm
FAB ≤ 800 mm use 1x Drehvolution
FAB > 800 mm use 2x Drehvolution Set 1 + Set 2
(synchron operation)

Space requirement on the frame = 26 mm

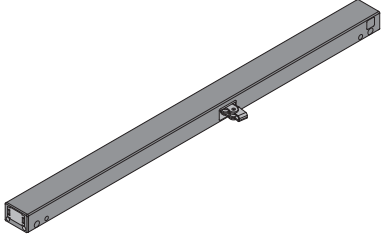
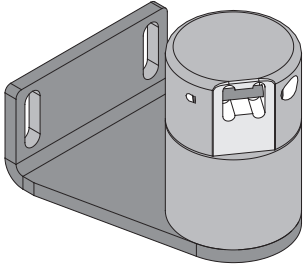
These window sizes are only recommendations.
A stable side-hung window - with an additional
locking drive - is required!

**) FAH = max. 2000 mm
FAH ≤ 1200 mm use 1x Drehvolution
FAH > 1200 mm use 2x Drehvolution Set 1 + Set 2
(synchron operation)

*) FAB = Overall width of casement
**) FAH = Overall height of casement

Scope of delivery:

Prior to assembly, check items quantity in the delivery for completeness.

Scope of delivery: Drehvolution - KS4	
	<p>Chain drive: KS4 400 S12 24V DC depending on the version: L (left) or R (right)</p> <p>Connecting cable: non-halogen, grey 5 x 0,5 mm², ~ 2 m</p>
	<p>Casement bracket: F55 depending on the version: L (left) or R (right)</p>

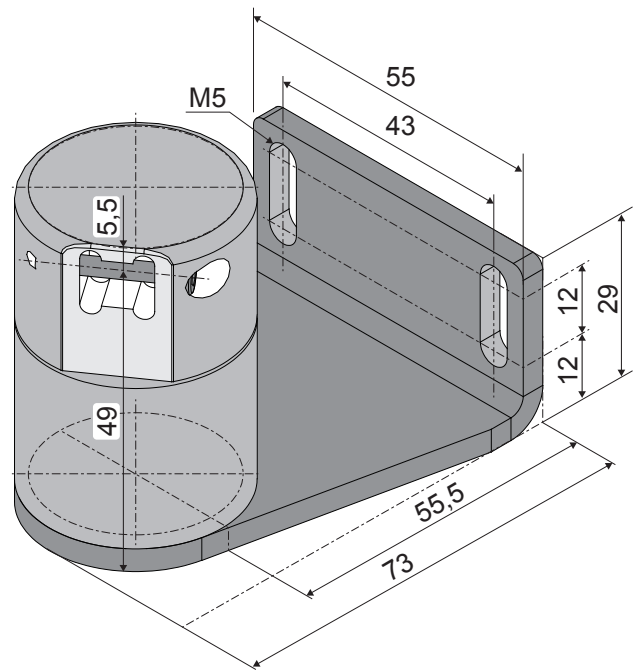
Preparing Assembly:

- Determine fastenings for drive **KS4** ① and casement bracket **F55** ②.
- Produce drill holes with appropriate cross-section (mounting dimensions see below).

NOTE

Screws - for mounting on the window - are to be provided by the customer!

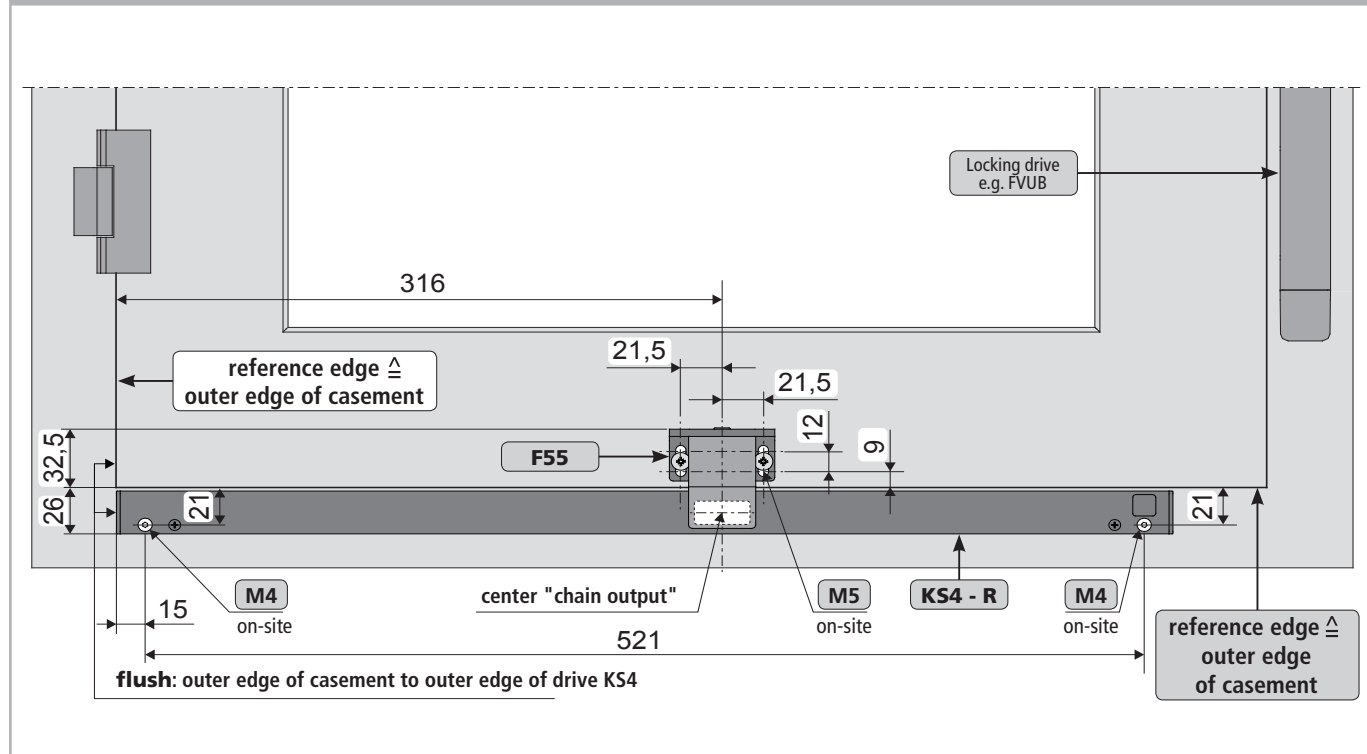
Casement bracket F55



NOTE

The drive KS4 is pre-programmed for a stroke of 350 mm.
 The window opening angle is ~70°.

Drilling dimensions for drive KS4 and casement bracket F55

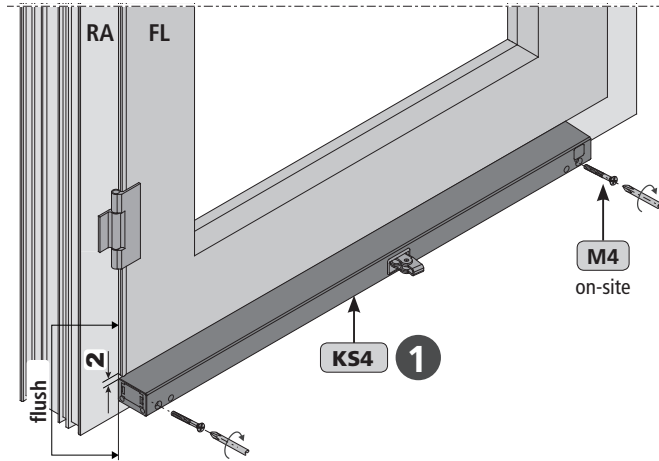


Assembly: KS4 and casement bracket F55

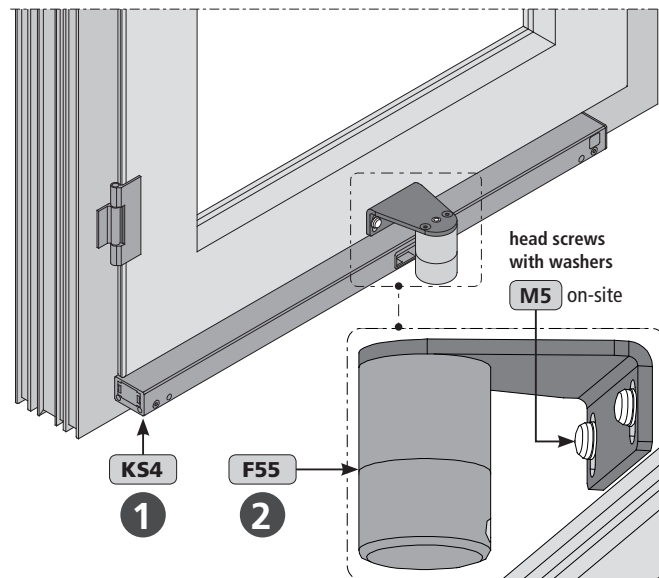
- Screw the drive **KS4 1** onto window frame (**M4**).



Make sure it is parallel to casement edge. The drive body must lie completely flush on the window frame surface



- Fix and align the casement bracket **F55 2** onto casement (**M5**) (insert rivet nuts on-site). See the drawing "Drilling dimensions for drive KS4 and casement bracket F55" on the previous page.



- Open the casement manually.
- Connect control voltage of the drive **KS4 1** (e.g. using a tester) and move out the chain **completely**.

NOTE For multi-drive operation actuate all drives **KS4 1** together.

- Turn the chain holder of the casement bracket **F55 2** by approx. 135° with an Allen-wrench **SW 4 3**.

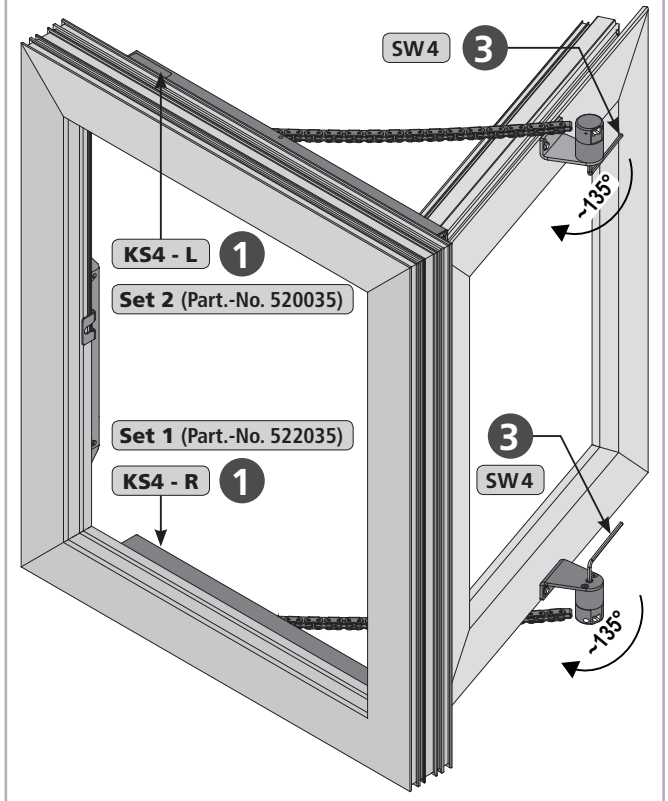


There is a preloaded spring in the chain holder. Hold the Allen-wrench **SW 4 3** to prevent it being thrown out of the screw (risk of injury)!

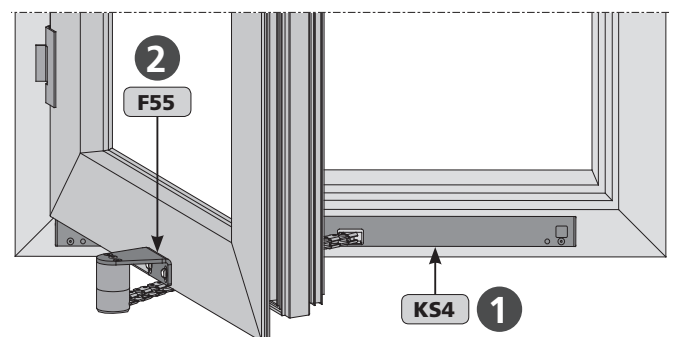
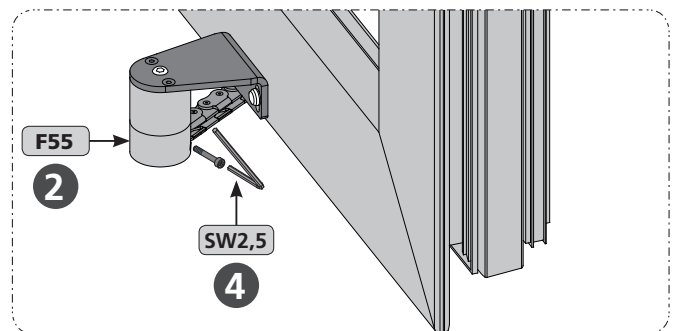
NOTE Position Allen-wrench **SW 4 3** correctly to ensure a 135° turn.

Insert the chain in the casement bracket F55

Example: Synchronous operation with Drehvolution Set 1 and Set 2



- Insert the chain of the drive **KS4 1** in the casement bracket **F55 2**.
- Secure the chain in the casement bracket **F55 2** with the included screw **M3 4** (Allen-wrench **SW 2,5**).

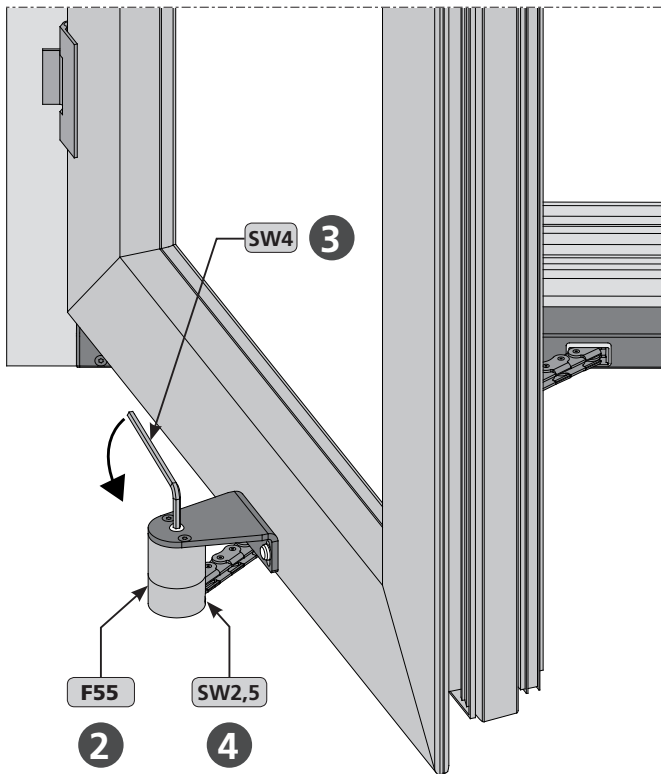


Demounting:

- Loosen the screw **M3 4** (with Allen-wrench **SW 2,5**) at the casement bracket **F55 2** on the open window casement.
- Use Allen-wrench **SW 4 3** to relax the chain holder of the casement bracket **F55 2**.



There is a preloaded spring in the casement bracket **F55 2**. Hold the Allen-wrench **SW 4 3** to prevent it being thrown out of the screw (risk of injury)!



Contact persons for any inquiries is the branch office responsible for you or the responsible person at **AUMÜLLER Aumatic GmbH**.
Contact data are available at our homepage:
(www.aumueller-gmbh.de)

Order Data:

ORDER DATA					
Stroke	L [mm]	Version	Finish	PU / pcs.	Part.-No.
350	551	Drehvolution - KS4 Set 1	E6/C-0	1	522035
350	551	Drehvolution - KS4 Set 2	E6/C-0	1	520035

OPTIONEN		
Drive housing painted in other RAL colours	PU / pcs.	Part.-No.
Lump sum for coating		516030
Specify at order stage:	1 – 20	516004
	21 – 50	516004
	51 – 100	516004
	from 101	516004
Paint the angle of the casement bracket F55 in other RAL colours	PU / pcs.	Part.-No.
Lump sum for coating		516030
Specify at order stage:	1 – 20	516032
	21 – 50	516032
Painting: Only the angle of F55	51 – 100	516032
	from 101	516032
Microprocessor programming S12		
Electronic stroke reduction 24V S12	1	524190
Programming drives 24V/230V S12	1	524180
Optional accessories	PU / pcs.	Part.-No.
M-COM® Click Configuration module for synchronised multi-drive systems	1	524167
M-COM Configuration module for synchronised multi-drive systems	1	524177

AUMÜLLER-Click plug solution	PU / pcs.	Part.-No.
3 m cable length - 24V DC	1	501251
5 m cable length - 24V DC	1	501252
10 m cable length - 24V DC	1	501253



Warranty claims require proper and professional assembly, installation and maintenance in accordance with national regulations and manufacturer's instructions as to drives.

The safety of the supplied product documentation are to be observed.



Strictly observe the information given in this and in the instructions for installation of drives KS4 when mounting the **Rotation Volution Sets**.

Details can be found on our website www.aumueller-gmbh.de
Keep this instruction over the lifetime of

www.aumueller-gmbh.de

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