



SERVO-DRIVE flex

> For electrical opening of handle-less, integrated refrigerators, freezers & dishwashers



SERVO-DRIVE flex

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Easy opening of integrated appliances is assured by SERVO-DRIVE flex, the electrical motion support system for built-in fridges, freezers and dishwashers.



Flexible options for use

Whether left or right opening, sliding or fixed door installation applications, SERVO-DRIVE flex can be used with standard integrated refrigerators, combination fridge/freezers, freezers and dishwashers.



Combination fridge/freezer application

Each door in the combination fridge/freezer is fitted with a separate SERVO-DRIVE flex unit and can therefore be opened individually.



Large and heavy doors

Using two synchronised SERVO-DRIVE flex drive units on large and heavy refrigerator or freezer applications ensures reliable opening at the same time.



Dishwasher application

When using SERVO-DRIVE flex with integrated dishwashers, the drive unit is mounted in the centre of the installation recess.



Trigger safety

After opening, the rod retracts into the drive unit so the working area remains free. The opening function is not triggered again until pressure is applied to the front.



Easy assembly and installation

SERVO-DRIVE flex is assembled and installed easily and conveniently in just a few steps. Simply attach the mounting plates and clip on the drive unit, connect the unit to the power supply, mount the front and synchronise the drive unit. The SERVO-DRIVE power cable is connected to the power supply via the familiar connecting node system (plug and play system). If the drive unit needs to be accessed after installation the front cover can easily be unclipped.



Mounting plates

A mounting plate is attached to both left and right hand sides in the installation recess.



SERVO-DRIVE flex drive unit

The drive unit is clipped onto either the left or right mounting plate, depending on the door opening.



The front cover

The front cover is clipped directly onto the mounting plates.



Synchronised drive unit

During the reference run, the drive unit adjusts itself to the installation application. Once complete SERVO-DRIVE flex is ready for use.



SERVO-DRIVE for drawer/pull-outs

When drawers and pull-outs are fitted with SERVO-DRIVE a light touch on handle-less fronts or gentle pull on handles is enough to trigger the opening sequence.

Available for LEGRABOX, TANDEMBOX, MOVENTO and TANDEM drawer systems.



SERVO-DRIVE for AVENTOS

Wall cabinets open with a light touch on the front with SERVO-DRIVE for AVENTOS.

A special feature of SERVO-DRIVE for AVENTOS is that lift systems close automatically with the press of a button.

Available for AVENTOS HF, AVENTOS HS, AVENTOS HL and AVENTOS HK lift systems.









SERVO-DRIVE uno



SERVO-DRIVE uno is a simple way to add the electrical motion support to a single drawer/ pull-out. This is especially practical for frequently used pull-outs such as the waste bin pull-out. It can be opened with your knee, hip or foot.

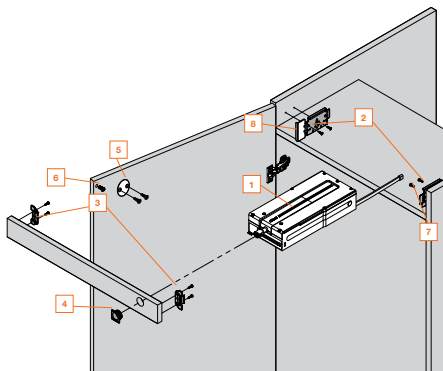



For refrigerator and freezer applications

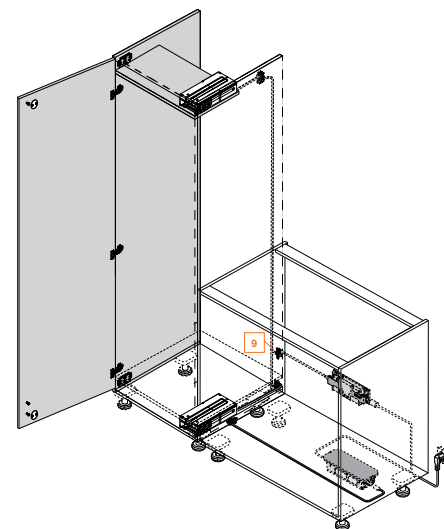
Planning information: SERVO-DRIVE flex set includes

1	Drive unit	1x
	Drive unit opens handle-less refrigerators, freezers and dishwashers.	
2	Mounting plate	2x
	Mounting plate for clipping on the drive unit and the front.	
3	Front fastening	2x
	Fitting for fastening the front to the side mounting plates.	
4	Front cover	1x
	Cover guarantees a consistent appearance.	
5	Catch plate	1x
	Catch plate for assembly on the front. This guarantees secure closing when opened unintentionally.	
6	Blum distance bumper	3x
	The Blum distance bumper ensures the required trigger path of 2mm.	

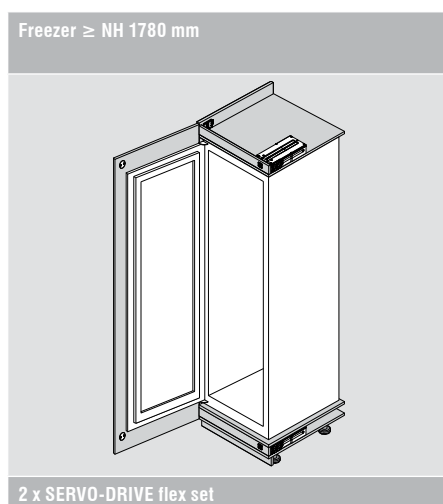
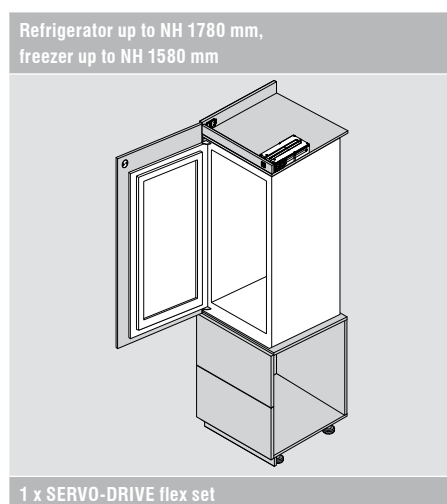
7	Chipboard screw	11x
		
8	Assembly template	1x
	For positioning the mounting plate on the side of the cabinet.	








9	Connecting node	1x
	This node establishes the electrical connection between the distribution cable and the transformer.	






Application:



Order specification:

SERVO-DRIVE flex set			
	Components included: 1 x drive unit, 2 x mounting plate, 2 x front fastening, 1 x front cover, 1 x catch plate, 3 x Blum distance bumper, 11 x chipboard screw, 1 x assembly template, 1 x connecting node		
	*Number of SERVO-DRIVE flex sets required depends on the application		
		Blum No	LS Code
		Z10C500A	1-244-090
SERVO-DRIVE transformer*			
		Blum No	LS Code
		Z10NE020D	1-244-050
Cable & plug			
		Blum No	LS Code
		Z10M200K	1-244-051
Transformer base housing			
		Blum No	LS Code
		Z10NG000	1-244-053
Alternative: Transformer panel housing			
		Blum No	LS Code
		Z10NG120	1-244-055

Connecting node (1x) & Cable end protector (2x)			
		Blum No	LS Code
		Z10V100E.01	1-244-079
SERVO-DRIVE cable**			
	8m for cutting to size.	Blum No	LS Code
		Z10K800AE	1-244-080
Cable holder			
		Blum No	LS Code
		Z10K0009	1-244-007

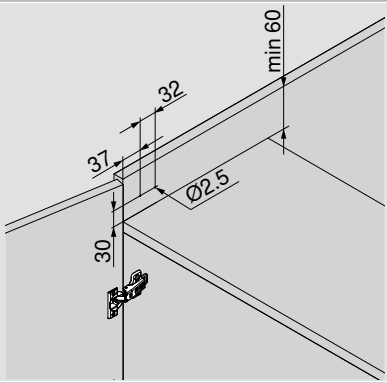
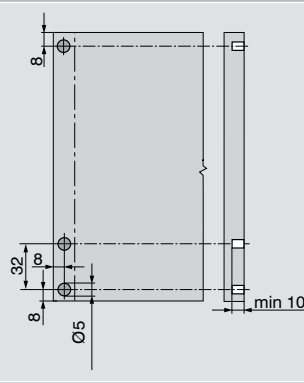
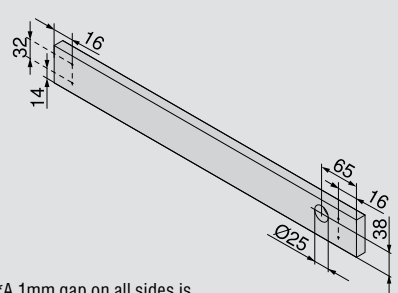
Note: For applications with two SERVO-DRIVE flex units on additional synchronisation cable, connecting node, cable end protector and cable holder are required.

*SERVO-DRIVE flex is an application for SERVO-DRIVE. A transformer is required for power supply.

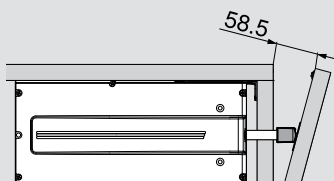
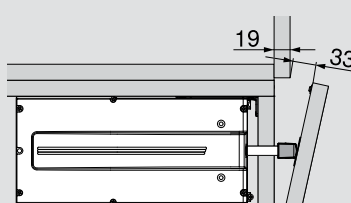
**The SERVO-DRIVE cable is used for attaching the SERVO-DRIVE flex unit to the power supply and for synchronising applications connecting two SERVO-DRIVE flex units.

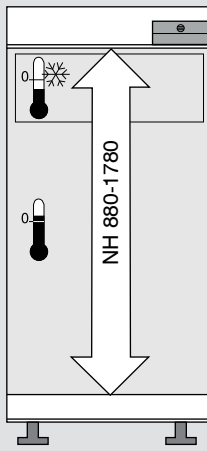
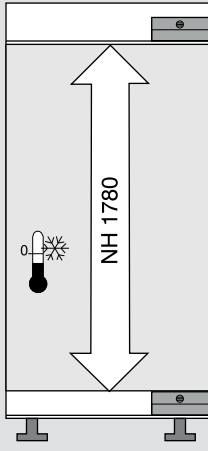
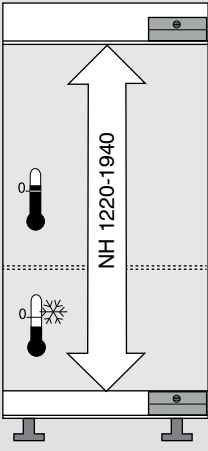
For refrigerator and freezer applications


Planning information:

Preparation/drilling		
		 <p>*A 1mm gap on all sides is required for the inset front.</p>
Drilling for mounting plate	Drilling front for bumper	Drilling front

Installation options:









Access gap – measurements	
	

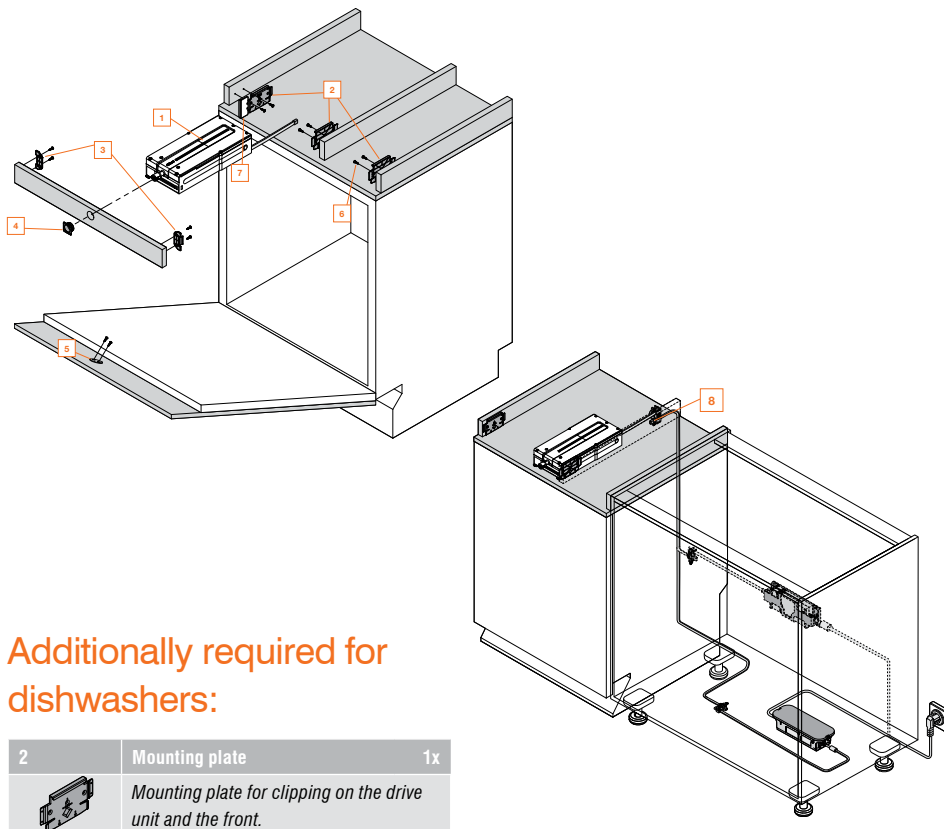
Installation situations (number of SERVO-DRIVE flex units required depends on the respective application)		
		

General notes	
	<p>If the door of the device is left open for a relatively long time, for example when putting away shopping, a vacuum may be created inside the refrigerator or freezer after it has been closed. This may result in it not being possible to open the door of the device for a few seconds. This vacuum normally disappears after a short amount of time and the opening function becomes fully operational once again.</p>

For dishwasher applications

Planning information: SERVO-DRIVE flex set includes

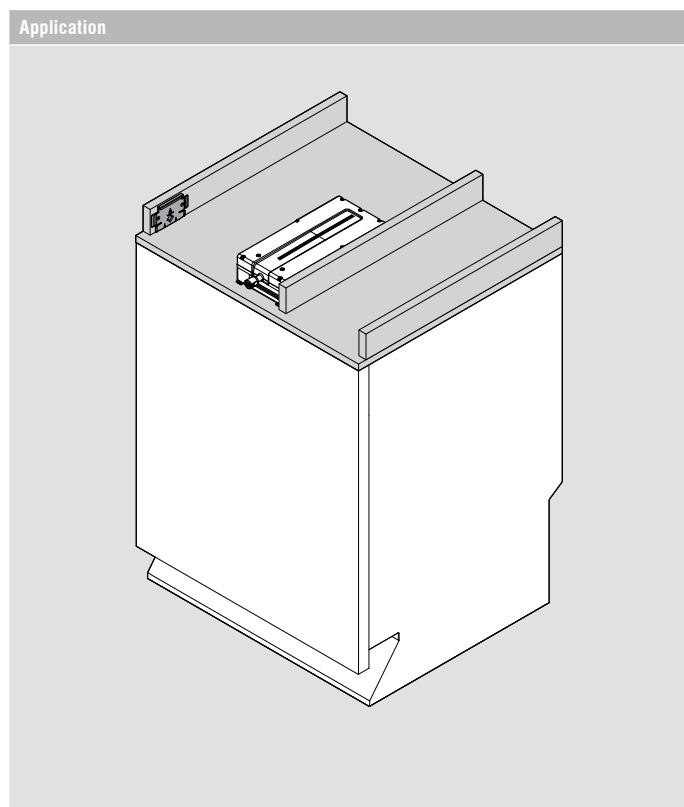
1	Drive unit	1x
	Drive unit opens handle-less refrigerators, freezers and dishwashers.	
2	Mounting plate	2x
	Mounting plate for clipping on the drive unit and the front.	
3	Front fastening	2x
	Fitting for fastening the front to the side mounting plates.	
4	Front cover	1x
	Cover guarantees a consistent appearance.	
5	Catch plate	1x
	Catch plate for assembly on the front. This guarantees secure closing when opened unintentionally.	
6	Chipboard screw	11x
		
7	Assembly template	1x
	For positioning the mounting plate on the side of the cabinet.	
8	Connecting node	1x
	This node establishes the electrical connection between the distribution cable and the transformer.	









Additionally required for dishwashers:

2	Mounting plate	1x
	Mounting plate for clipping on the drive unit and the front.	

Application:



Order specification:

SERVO-DRIVE flex			
	Components included: 1 x drive unit, 2 x mounting plate, 2 x front fastening, 1 x front cover, 1 x catch plate, 3 x Blum distance bumper, 11 x chipboard screw, 1 x assembly template, 1 x connecting node		
		Blum No	LS Code
	SERVO-DRIVE flex set drive unit	Z10C500A	1-244-090
	Additional mounting plate for use with dishwashers	Z10C5005	1-244-092
SERVO-DRIVE transformer*			
		Blum No	LS Code
		Z10NE020D	1-244-050
Cable & plug			
		Blum No	LS Code
		Z10M200K	1-244-051
Transformer base housing			
		Blum No	LS Code
		Z10NG000	1-244-053
Alternative: Transformer panel housing			
		Blum No	LS Code
		Z10NG120	1-244-055
SERVO-DRIVE cable**			
	8m for cutting to size.	Blum No	LS Code
		Z10K800AE	1-244-080

*SERVO-DRIVE flex is an application for SERVO-DRIVE. A transformer is required for power supply.

**The SERVO-DRIVE cable can be used with a connecting node to extend the power supply cable.

For dishwasher applications

Planning information:

Preparation/drilling

Drilling for mounting plate

BS 16-19 mm

Drilling front

*A 1mm gap on all sides is required for the inset front.

Drive unit planning

Access given protrusion of work tops

X	30 mm	APU	0 mm
Y	10 mm	APU	20 mm
Z	0 mm	APU	30 mm

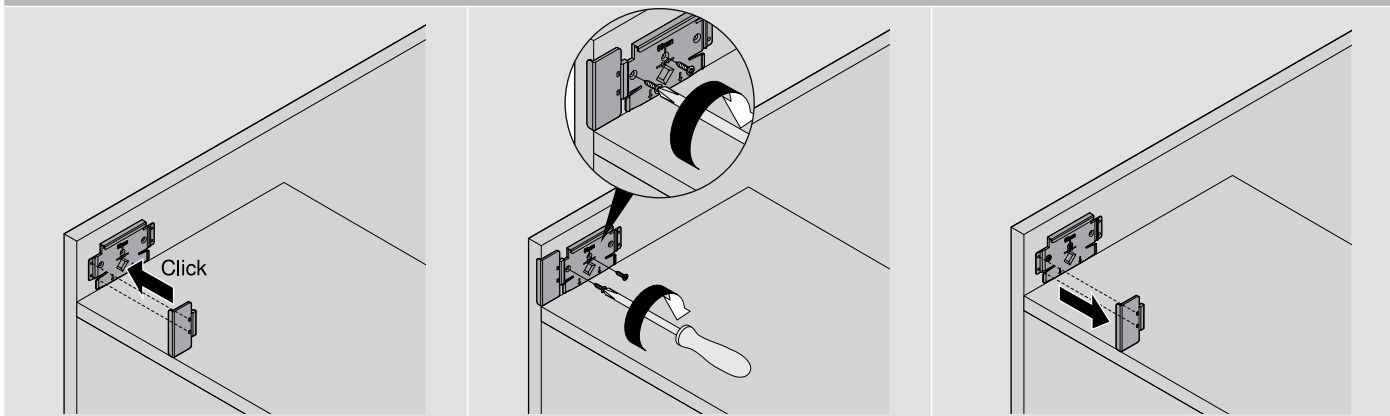
NH	Recess height
BS	Front thickness
SWD	Side panel thickness

APL-UK	Bottom edge of work tops
APU	Protrusion of work tops

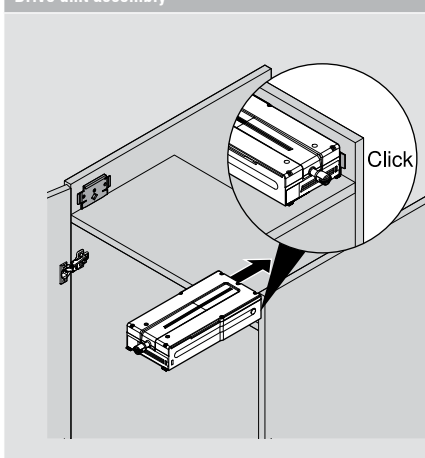
For refrigerator and freezer applications

Assembly information:

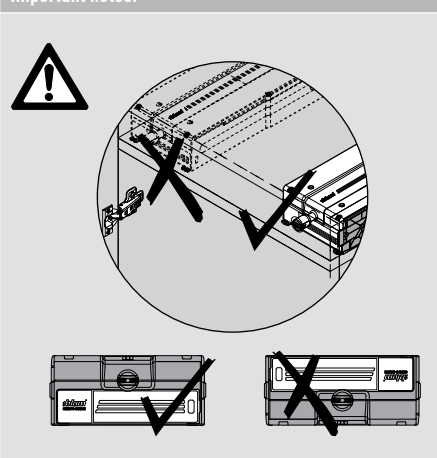
Assembly using assembly template (supplied in set)



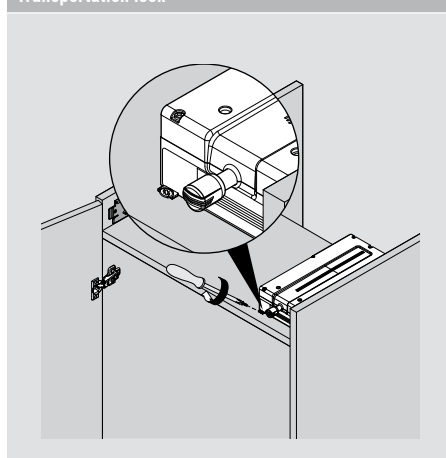
Drive unit assembly



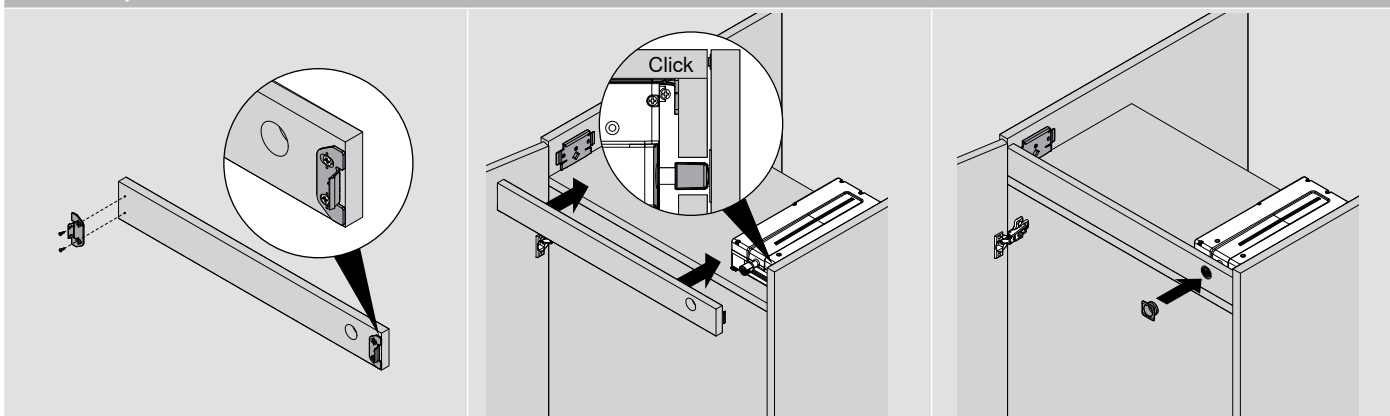
Important notes!



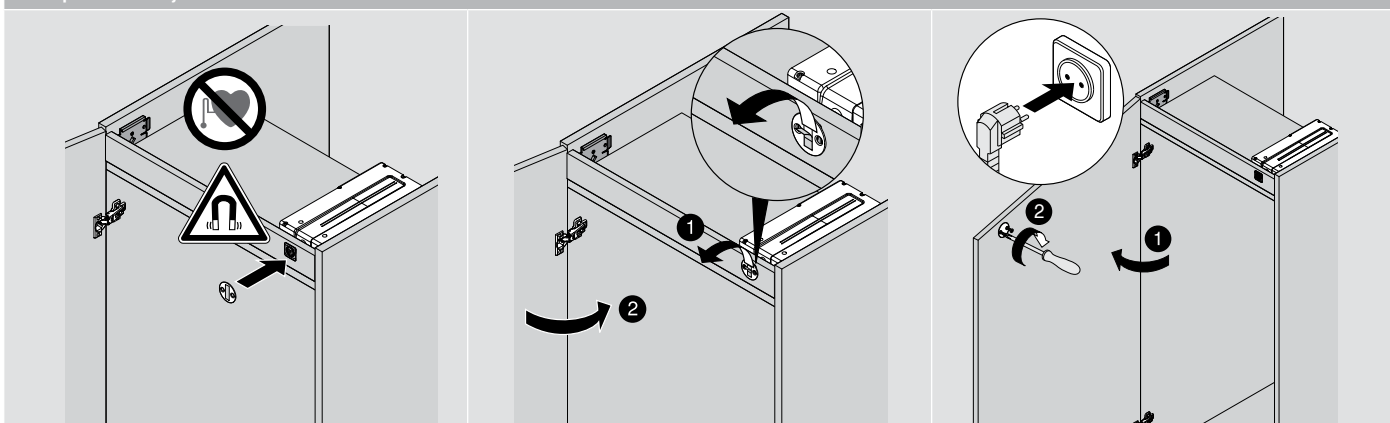
Transportation lock



Front assembly



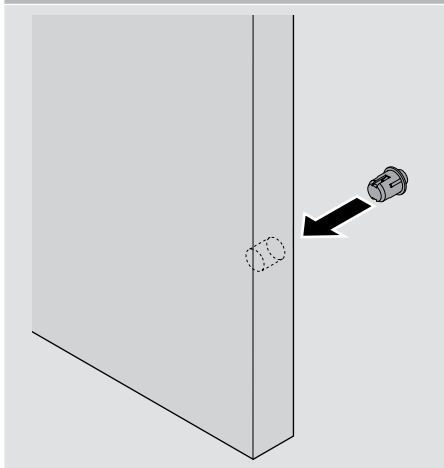
Catch plate assembly



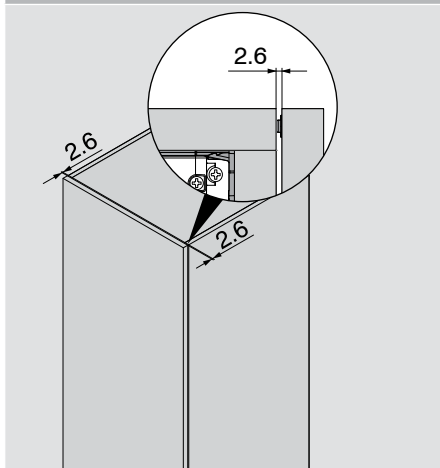
For refrigerator and freezer applications

Assembly information:

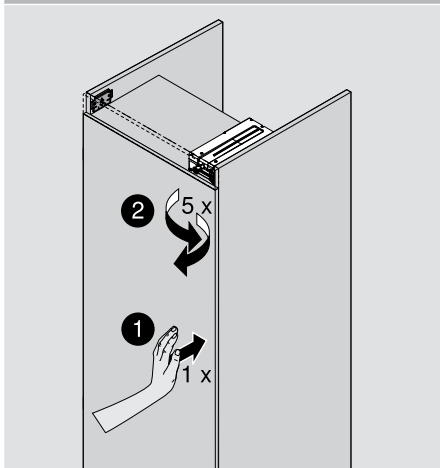
Assemble bumper



Adjust front gap



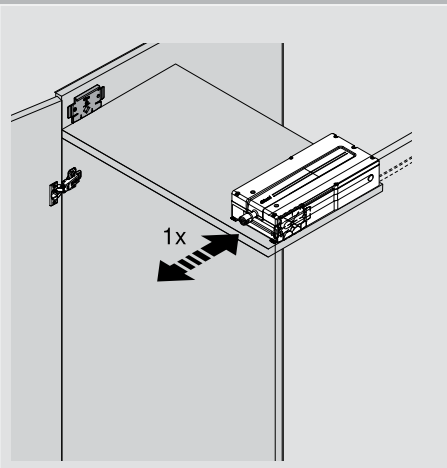
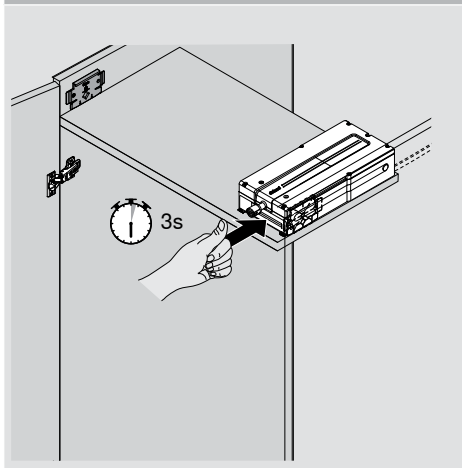
Reference run for start-up



Removal information

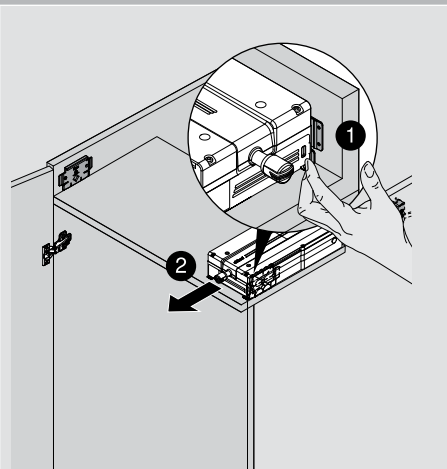
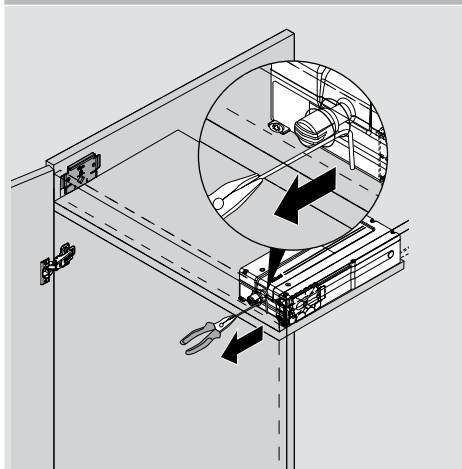
Resetting the drive unit:

Reset SERVO-DRIVE unit



Removal:

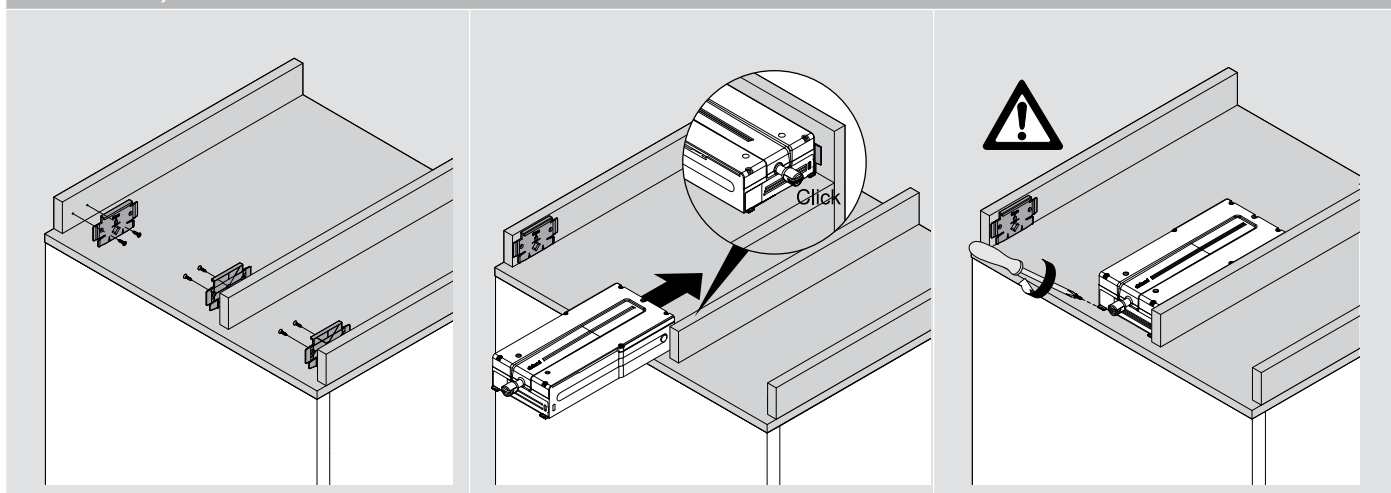
Removal



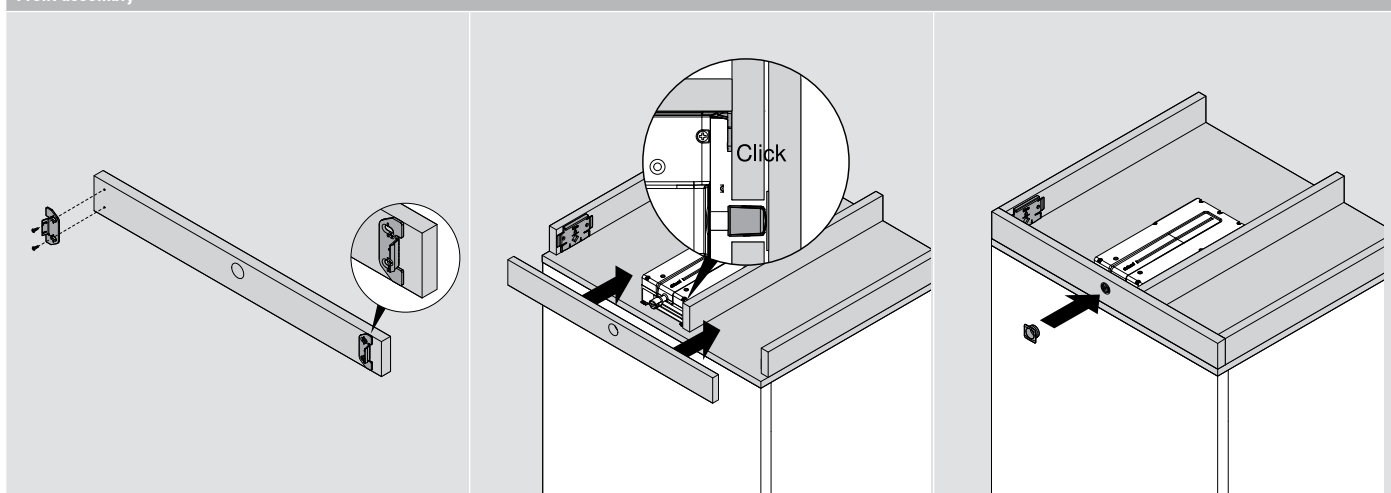
For dishwasher applications

Assembly information:

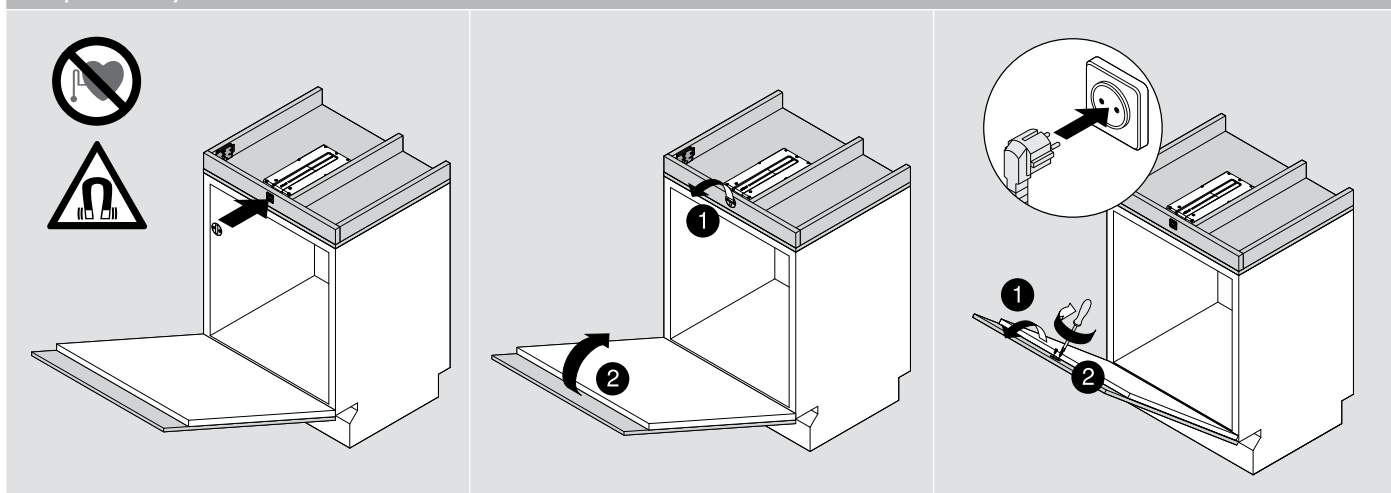
Drive unit assembly



Front assembly



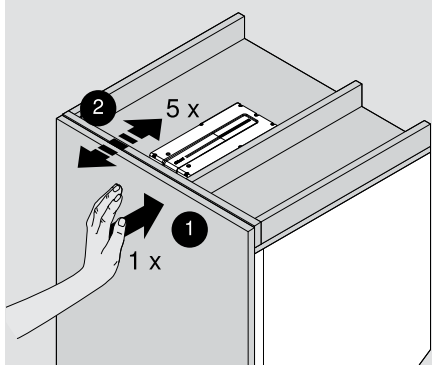
Catch plate assembly



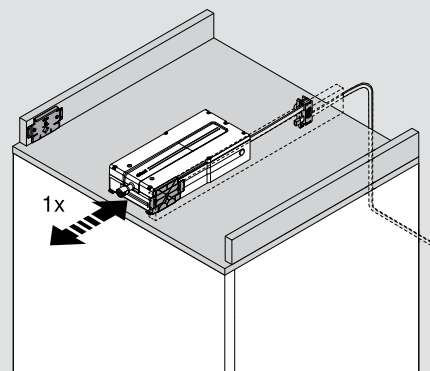
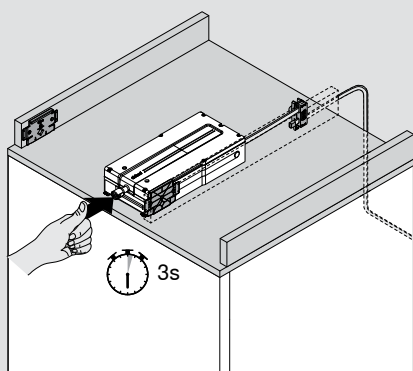
For dishwasher applications

Installation and removal information:

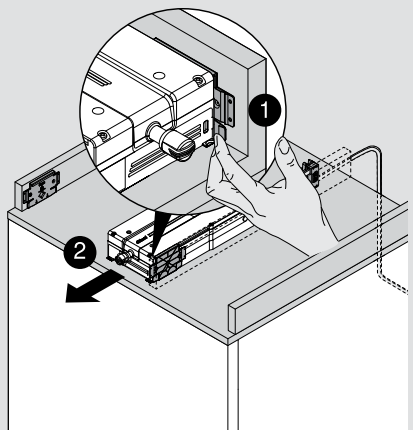
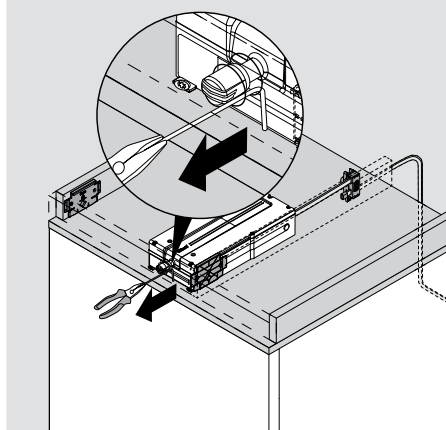
Reference run



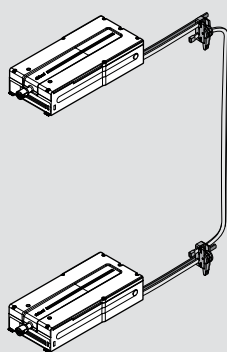
Reset SERVO-DRIVE unit



Removal



Cabling/information

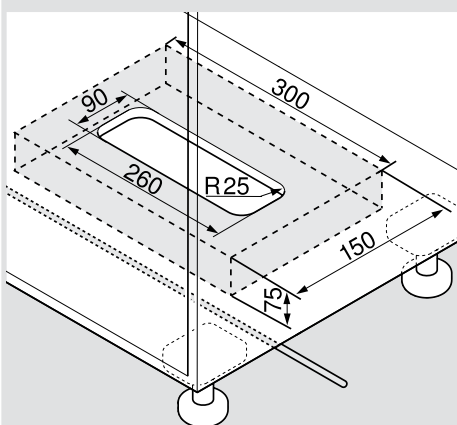


Black = power supply
Light grey R7035 = communication
(synchronisation cable)

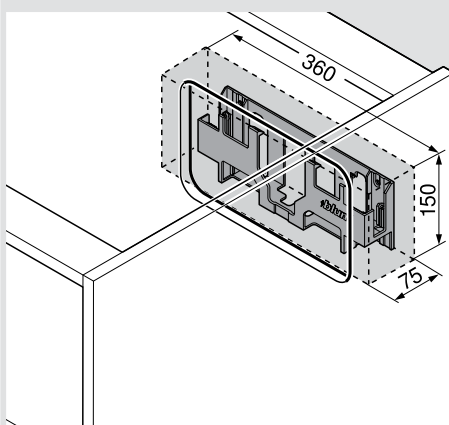
Blum transformer

Assembly information:

Space requirement + safety distance for transformer unit housing



Base mounting

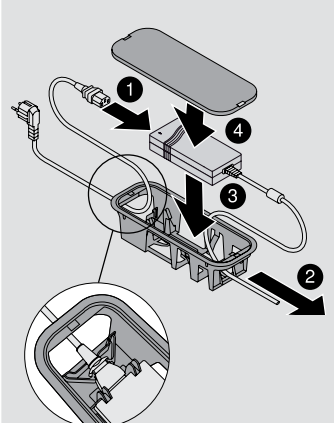


Panel mounting

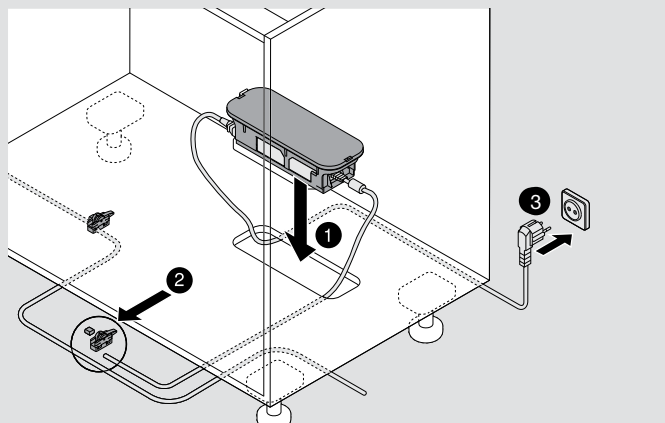
Note:

Maintain a 30 mm safety distance from the bottom edge (base mounting) and/or front edge (panel mounting) and side edges of the transformer unit housing to the neighbouring elements to allow for air circulation; otherwise, there is a risk that the Blum transformer could overheat.

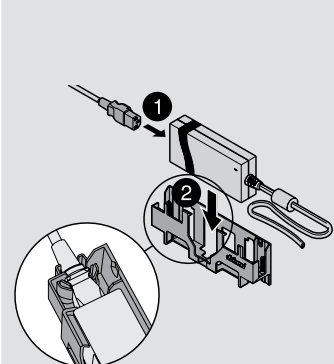
Transformer unit housing for base mounting



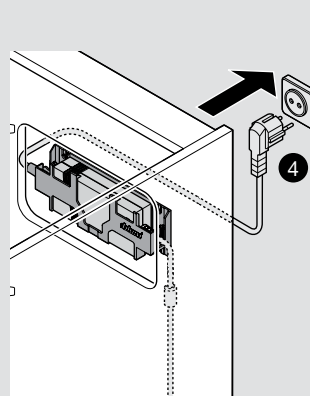
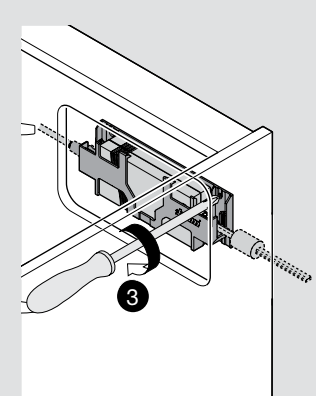
Pull-out stop



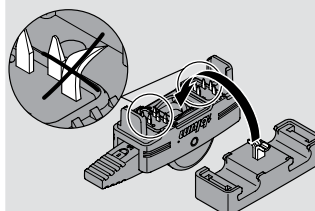
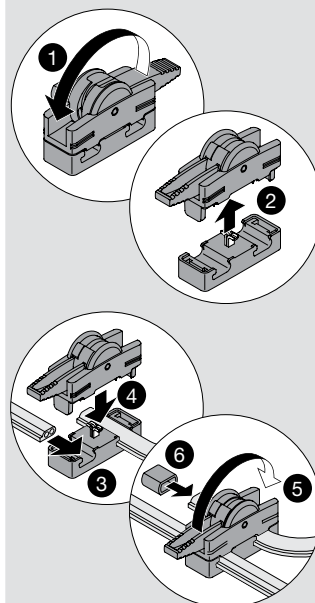
Transformer unit housing for base mounting



Pull-out stop



Connecting node assembly



Do not damage piercing pins!



SERVO-DRIVE for effortless opening

The electrical motion support system

SERVO-DRIVE – The electric motion support system by Blum is mesmerisingly easy. Lift systems and pull-outs open by themselves with a single touch and close again softly and effortlessly with BLUMOTION. A single touch on handle-less fronts or a light pull on handles suffices and drawers and high-fronted pull-outs open automatically with electric SERVO-DRIVE.

SERVO-DRIVE means you need just one system for the entire kitchen, for both wall cabinets and base units. Users can stop pull-outs and wall cabinets in any position and set them in motion again when they want to. In the event of power failure, the fittings are still fully functional.

Your hands are full and the waste pull-out is closed - sounds familiar? No problem with SERVO-DRIVE uno. Waste pull-outs open automatically at a single touch - you can even use your hip, knee or toe. Fronts stay clean and the waste goes in the bin. Easy!



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Fax: 1300 739 656

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