



SERVO-DRIVE flex

Electrical opening support system for
handle-less built-in refrigerators

Technical data sheet

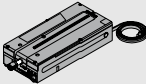
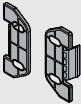
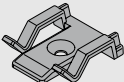
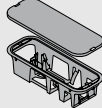
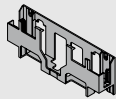
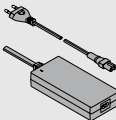


Contents

- 03** Components
- 05** SERVO-DRIVE for refrigerators and freezers NH < 1700 mm
- 07** SERVO-DRIVE for refrigerators and freezers NH ≥ 1700 mm
- 10** SERVO-DRIVE for refrigerators and freezers
- 14** SERVO-DRIVE flex for dishwashers
- 17** Assembly devices
- 18** Installation
- 27** Reset
- 28** Removal

Components

Overview

Drive unit	
	The drive unit opens the doors by extension of a magnetic rod. When the doors are opened, the rod retracts automatically; in the event of unintentional opening, the drive unit closes the doors again after 2.5, 4 or 8 seconds.
Front cover	
	The front cover seals the blind front recess, which is required for the extension and retraction of the rod.
Front fixing	
	The front fixing connects the blind front to the mounting plate and makes assembly and removal easy.
Blum distance bumper	
	The Blum distance bumper ensures the required trigger path of 2 mm.
Catch plate	
	The catch plate serves as a stop for the magnetic rod in order to close the appliance door.
Cable end protector	
	The cable end protector is fitted onto the unused ends of the cable.
Cable holder	
	The cable holder allows you to route the SERVO-DRIVE distribution cable safely and neatly.
Communication cable	
	The communication cable connects drive units that should open simultaneously.
Assembly jig	
	The assembly jig helps you attach the mounting plate correctly inside the cabinet.
Power supply unit housing	
Base fixing	
	The power supply unit housing for base fixing securely accommodates the SERVO-DRIVE power supply unit on the base.
Power supply unit housing	
Back panel/wall fixing	
	The SERVO-DRIVE power supply unit can be attached to the wall or back panel with the power supply unit housing for back panel/wall fixing.
SERVO-DRIVE power supply unit	
	<p>The SERVO-DRIVE power supply unit can be used around the world. It converts the country-specific mains voltage to 24 V direct current. You must use a flex with a regular plug for the respective country.</p> <p>The SERVO-DRIVE power supply unit is used to supply several drive units with power (throughout the entire kitchen).</p>

Components

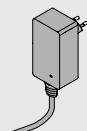
Overview

SERVO-DRIVE switch



The SERVO-DRIVE switch triggers the opening signal for the appliance door and enlarges the trigger range.

SERVO-DRIVE plug-in power supply unit



The SERVO-DRIVE plug-in power supply unit supplies power to a single drive unit of individual applications.

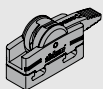
SERVO-DRIVE distribution cable



The distribution cable supplies power to the drive units. The max. permitted operating voltage is 24 V.

Note: This cable must not be directly connected to the mains power outlet.

Connecting node



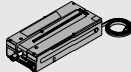
This node establishes the electrical connection between the SERVO-DRIVE distribution cable and the SERVO-DRIVE power supply unit.

SERVO-DRIVE flex for refrigerators and freezers – recess height (NH) < 1700 mm


- Can be used for all standard built-in refrigerators and freezers
- Recess height (NH) < 1700 mm
- Low recess height (NH) for drive unit of min. 60 mm
- Adaptive system / automatic adjustment of the opening force to the stay close force of the appliance door
- Automatic self-closing system for unintentional opening
- Lean protection feature
- Trigger safety
- Adjustable stay open time (2.5 sec, 4 sec, 8 sec)
- Easy installation with LED feedback on the correct installation depth
- Not suitable for refrigerators without own cabinet, with self-opening system, with child safety latch, with automatic self-closing system and freezers with base units (recess height (NH) $\geq$ 1700 mm) and refrigerated pull-outs

SERVO-DRIVE flex for refrigerators and freezers – recess height (NH) < 1700 mm

Ordering information

1	Drive unit		
	Colour	Material	
	TGR	K	Z10C500A.01
2	Front cover		
	Colour	Material	
	TGR	K	Z10C5009
3	Front fixing		
	Colour	Material	
	TGR	K	Z10C5006
4	Blum distance bumper		
	Colour	Material	
	TGR	K	
	Ø 5 mm		993.0530
5	SERVO-DRIVE plug-in power supply unit		
Only suitable for one drive unit			
			
Market		Language package	
K		I	Z10NA40KI
🔌 Item only available on request			
Consisting of:			
1 x	SERVO-DRIVE plug-in power supply unit Incl. cable, 1120 mm (with SERVO-DRIVE distribution cable extendible to max. 2000 mm) Incl. operating and installation instructions		

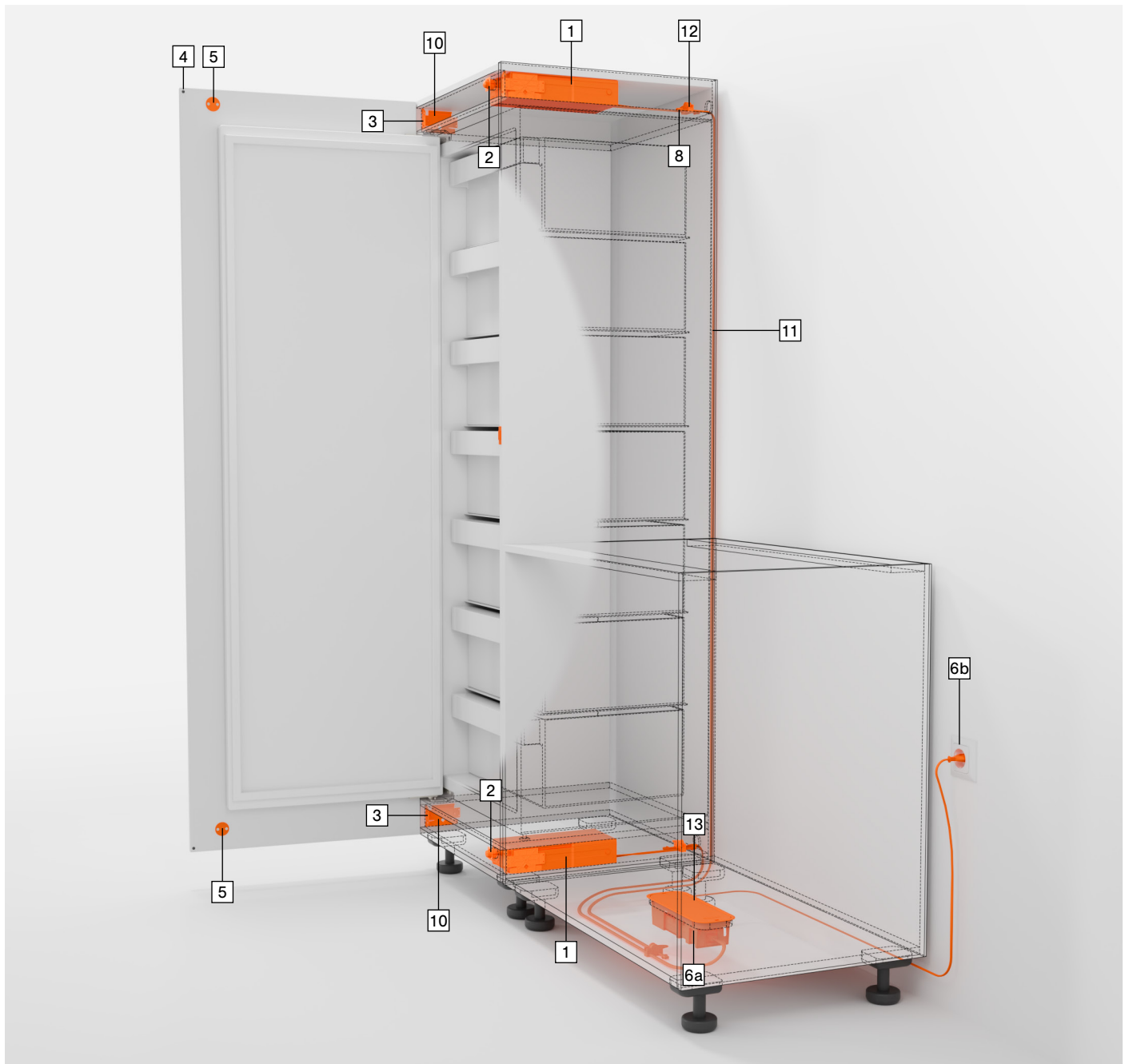
6	Catch plate		
		Colour	Material
		NI	Steel
			Z10C5004
7	Cable end protector		
		Colour	Material
		TGR	K
			Z10K0008
8	Mounting plate		
		Colour	Material
		TGR	K
			Z10C5005
9	Connecting node		
		Colour	Material
		SZ	K
			Z10V100E.01

Accessories

10	SERVO-DRIVE switch		
		Colour	Material
		SW/HGR/TGR	K
			23P5020
Recommendation for the use of the SERVO-DRIVE switch – see page 22			
-	Cable holder		
		Colour	Material
		WS	K
			Z10K0009
-	Assembly jig		
		Colour	Material
		GE	K
			Z10C500-18
-	SERVO-DRIVE distribution cable		
		Colour	Material
		SZ	K
		Length 8000 mm	Z10K800E
For cutting to size			

Colour/material

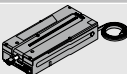
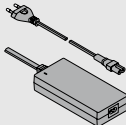
GE	Yellow	SW	Silk white
HGR	Light grey	TGR	Dark grey
K	Nylon	WS	White
NI	Nickel plated		
SZ	Black		

SERVO-DRIVE flex for refrigerators and freezers – recess height (NH) ≥ 1700 mm


- Can be used for all standard built-in refrigerators and freezers
- Recess height (NH) ≥ 1700 mm
- Low recess height (NH) for drive unit of min. 60 mm
- Adaptive system / automatic adjustment of the opening force to the stay close force of the appliance door
- Automatic self-closing system for unintentional opening
- Lean protection feature
- Trigger safety
- Adjustable stay open time (2.5 sec, 4 sec, 8 sec)
- Easy installation with LED feedback on the correct installation depth and easy synchronisation of two drive units
- Not suitable for refrigerators without own cabinet, with self-opening system, with child safety latch, with automatic self-closing system and freezers with base units (recess height (NH) ≥ 1700 mm) and refrigerated pull-outs

SERVO-DRIVE flex for refrigerators and freezers – recess height (NH) ≥ 1700 mm

Ordering information

1		Drive unit		
		Colour	Material	
		TGR	K	Z10C500A.01
2		Front cover		
		Colour	Material	
		TGR	K	Z10C5009
3		Front fixing		
		Colour	Material	
		TGR	K	Z10C5006
4		Blum distance bumper		
		Colour	Material	
		TGR	K	
		Ø 5 mm		993.0530
5		Catch plate		
		Colour	Material	
		NI	Steel	Z10C5004
6	SERVO-DRIVE power supply unit incl. flex			
				
Markets		Language packages		
K		I		Z10NE04KI
Incl. operating and installation instructions				
Consisting of:				
6a	1 x	Power supply unit (output flex: length 2 m)		
6b	1 x	Flex (1.5–1.8 m, including plug)		

8		Cable end protector		
		Colour	Material	
		TGR	K	Z10K0008
10		Mounting plate		
		Colour	Material	
		TGR	K	Z10C5005
11		SERVO-DRIVE distribution cable		
		Colour	Material	
		SZ	K	
		Length 8000 mm		Z10K800AE
For cutting to size				

Colour/material			
K	Nylon	WGR	White grey
NI	Nickel plated	TGR	Dark grey
SZ	Black	R7037	RAL 7037 dust grey
WS	White		

SERVO-DRIVE flex for refrigerators and freezers – recess height (NH) ≥ 1700 mm
Ordering information

12	Connecting node		
	Colour	Material	
	SZ	K	Z10V100E.01

13	Power supply unit housing		
	Base fixing		
	Colour	Material	
	TGR	K	Z10NG000

Includes cover

For SERVO-DRIVE power supply unit

Alternative

-	Power supply unit housing		
	Back panel/wall fixing		
	Colour	Material	
	WGR	K	Z10NG120

For SERVO-DRIVE power supply unit

Accessories

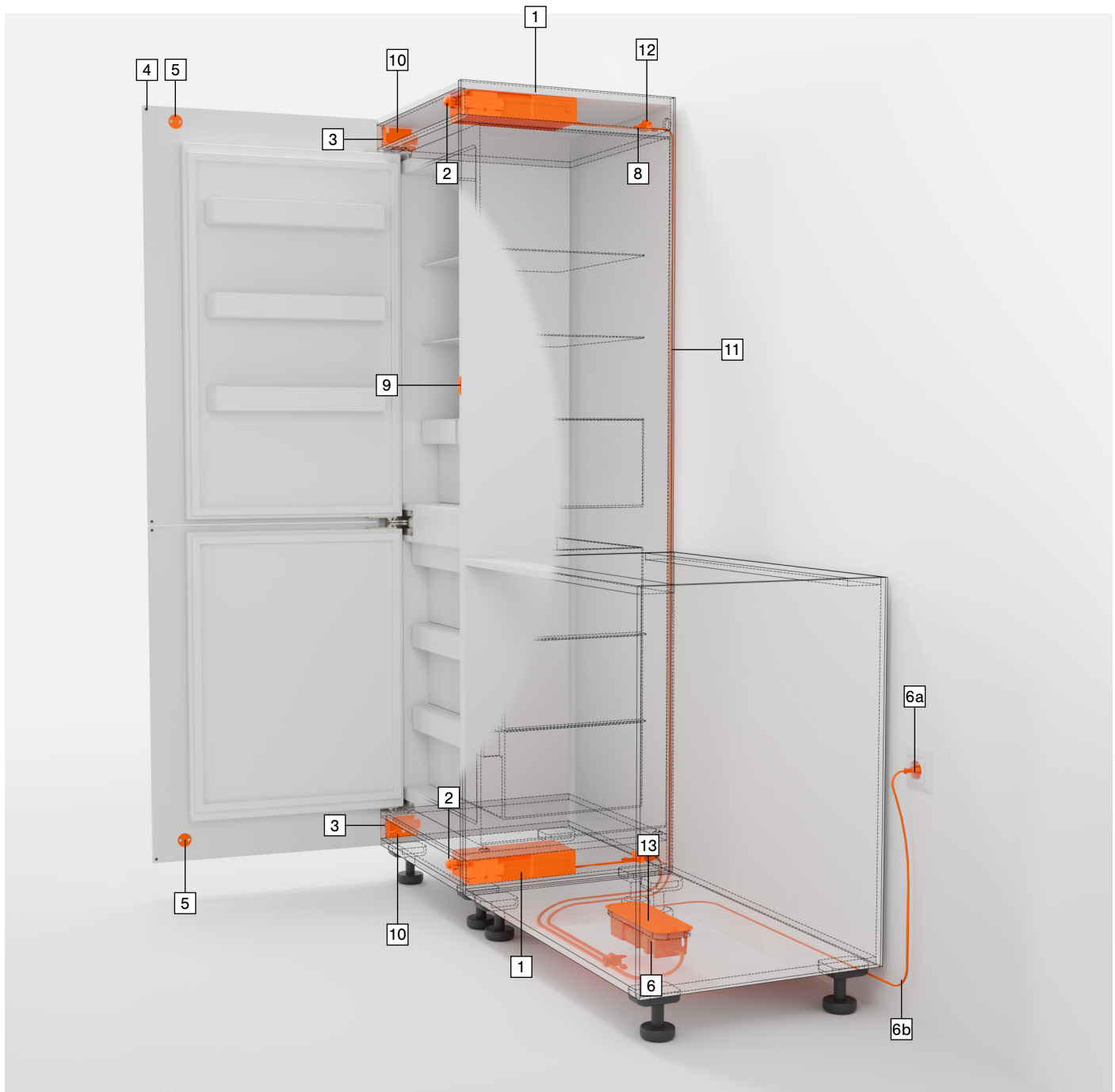
-	Cable holder		
	Colour	Material	
	WS	K	Z10K0009

-	Assembly jig		
	Colour	Material	
	GE	K	Z10C500-18

Colour/material

GE	Yellow	WS	White
K	Nylon	R7037	RAL 7037 dust grey
SZ	Black	NI	Nickel plated
WGR	White grey		

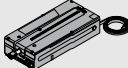
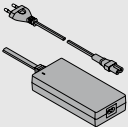
SERVO-DRIVE flex for fridge/freezer combinations



- Can be used for all standard built-in fridge/freezer combinations
- Recess height (NH) ≥ 1700 mm
- Low recess height (NH) for drive unit of min. 60 mm
- Adaptive system / automatic adjustment of the opening force to the stay close force of the appliance door
- Automatic self-closing system for unintentional opening
- Lean protection feature
- Trigger safety
- Adjustable stay open time (2.5 sec, 4 sec, 8 sec)
- Easy installation with LED feedback on the correct installation depth
- Not suitable for refrigerators without own cabinet, with self-opening system, with child safety latch, with automatic self-closing system, fridge/freezer combinations with air exchange and freezers with base units (recess height (NH) ≥ 1700 mm) and refrigerated pull-outs

SERVO-DRIVE flex for fridge/freezer combinations

Ordering information

1	Drive unit		
		Colour	Material
		TGR	K
			Z10C500A.01
2	Front cover		
		Colour	Material
		TGR	K
			Z10C5009
3	Front fixing		
		Colour	Material
		TGR	K
			Z10C5006
4	Blum distance bumper		
		Colour	Material
		TGR	K
		Ø 5 mm	993.0530
5	Catch plate		
		Colour	Material
		NI	Steel
			Z10C5004
6	SERVO-DRIVE power supply unit incl. flex		
			
Markets		Language packages	
K		I	
			Z10NE04K1
Incl. operating and installation instructions			
Consisting of:			
6a	1 x	Power supply unit (output flex: length 2 m)	
6b	1 x	Flex (1.5–1.8 m, including plug)	

8	Cable end protector		
		Colour	Material
		TGR	K
			Z10K0008
9	SERVO-DRIVE switch		
		Colour	Material
		SW/HGR/TGR	K
			23P5020
10	Mounting plate		
		Colour	Material
		TGR	K
			Z10C5005
11	SERVO-DRIVE distribution cable		
		Colour	Material
		SZ	K
		Length 8000 mm	Z10K800AE
For cutting to size			

Colour/material			
HGR	Light grey	TGR	Dark grey
K	Nylon	WS	White
NI	Nickel plated	WGR	White grey
SZ	Black		
SW	Silk white		

SERVO-DRIVE flex for fridge/freezer combinations

Ordering information

12	Connecting node		
	Colour	Material	
	SZ	K	Z10V100E.01

13	Power supply unit housing		
	Base fixing		
	Colour	Material	
	TGR	K	Z10NG000

Includes cover

For SERVO-DRIVE power supply unit

Alternative

-	Power supply unit housing		
	Back panel/wall fixing		
	Colour	Material	
	WGR	K	Z10NG120

For SERVO-DRIVE power supply unit

Accessories

-	Cable holder		
	Colour	Material	
	WS	K	Z10K0009

-	Assembly jig		
	Colour	Material	
	GE	K	Z10C500-18

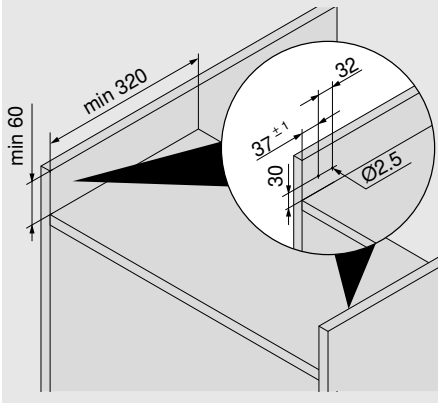
Colour/material

GE	Yellow	WS	White
K	Nylon	R7037	RAL 7037 dust grey
WGR	White grey	SZ	Black
NI	Nickel plated		

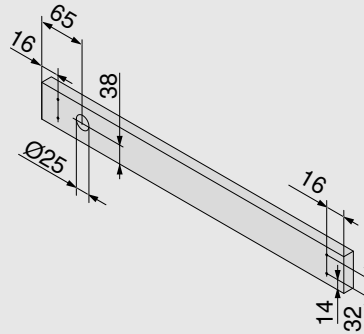
SERVO-DRIVE flex for refrigerators and freezers

Planning

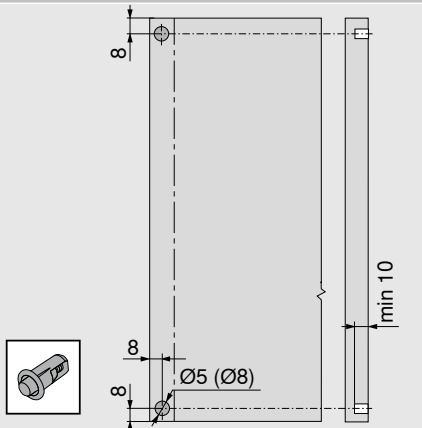
Mounting plate



Blind front – drive unit



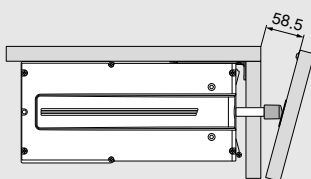
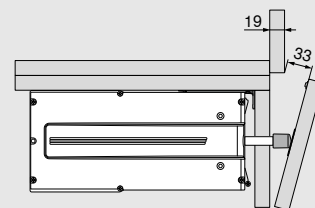
Blum distance bumper



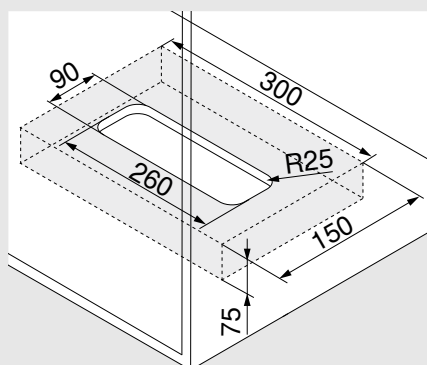
Blum distance bumper is required for the refrigerator and freezer door

The Blum distance bumper ensures the required trigger path of 2 mm

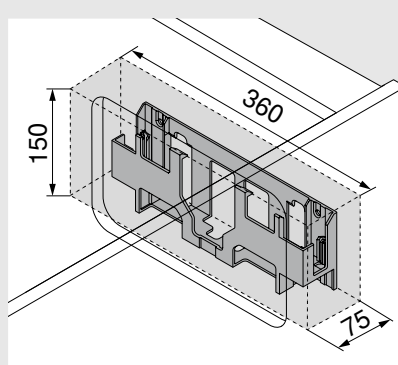
Access gap



Space requirement and safety distance – power supply unit housing



Base fixing



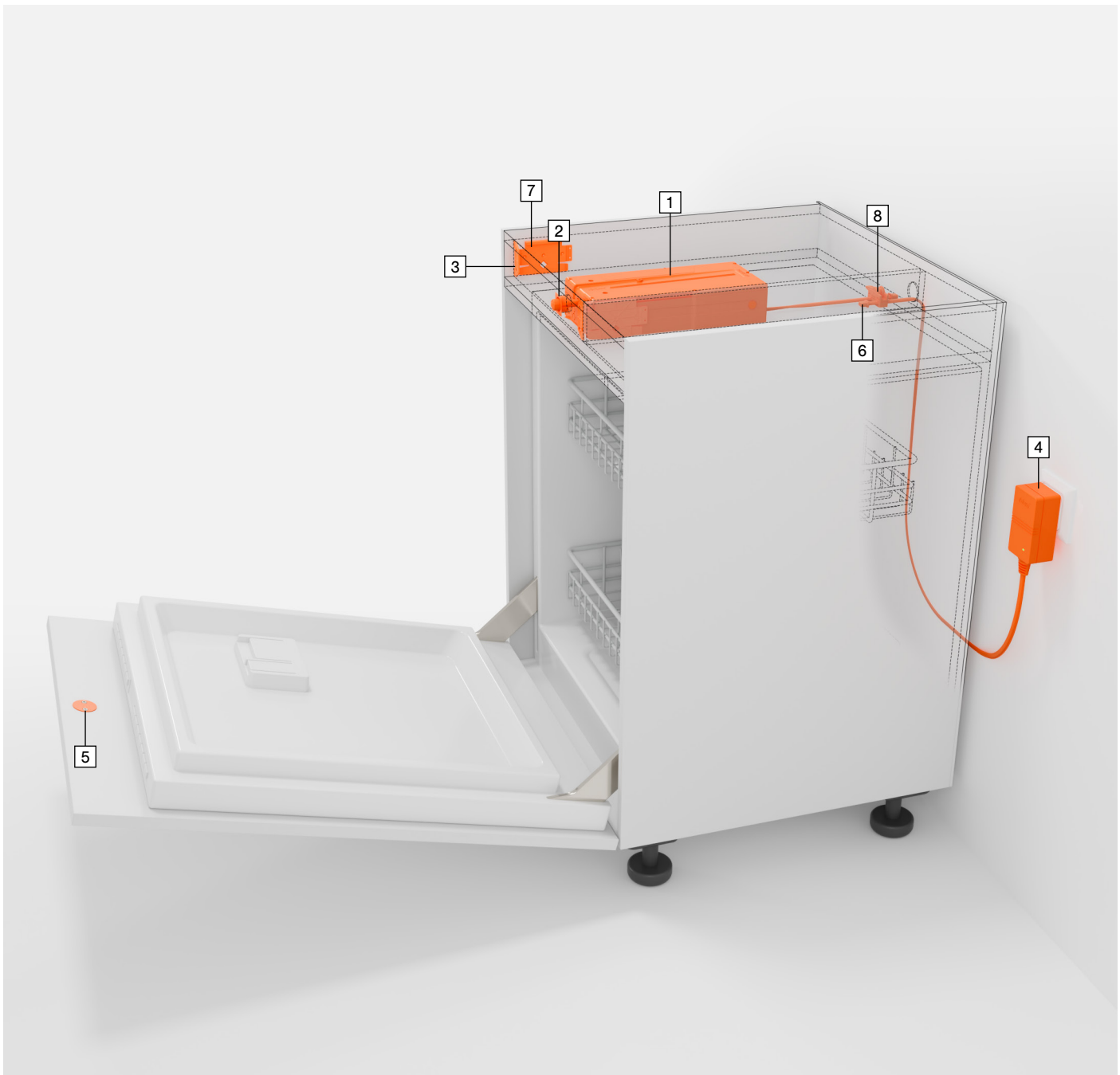
Back panel/wall fixing



Please note

Maintain a safety distance of 30 mm for air circulation. Otherwise there is a risk that the SERVO-DRIVE power supply unit could overheat. The dimensions in the drawing take the safety distance into account.

SERVO-DRIVE flex for dishwashers



- For all standard built-in dishwashers
- Low recess height (NH) for drive unit of min. 60 mm
- Adaptive system / automatic adjustment of the opening force to the stay close force of the appliance door
- Lean protection feature
- Trigger safety
- Adjustable stay open time (2.5 sec, 4 sec, 8 sec)
- Easy installation with LED feedback on the correct installation depth
- Application option dependent on device type, and worktop and plinth height; see Planning
- Not suitable for dishwashers without own cabinet, with self-opening system, with child safety latch or with automatic self-closing system

SERVO-DRIVE flex for dishwashers

Ordering information

1		Drive unit		
		Colour	Material	
		TGR	K	Z10C500A.01
2		Front cover		
		Colour	Material	
		TGR	K	Z10C5009
3		Front fixing		
		Colour	Material	
		TGR	K	Z10C5006
-		Blum distance bumper		
		Colour	Material	
		TGR	K	
		Ø 5 mm		993.0530
4	SERVO-DRIVE plug-in power supply unit			
Only suitable for one drive unit				
				
Market		Language package		
K		I		Z10NA40KI
🔌 Item only available on request				
Consisting of:				
1 x	SERVO-DRIVE plug-in power supply unit Incl. cable, 1120 mm (with SERVO-DRIVE distribution cable extendible to max. 2000 mm) Incl. operating and installation instructions			

5		Catch plate		
		Colour	Material	
		NI	Steel	Z10C5004
6		Cable end protector		
		Colour	Material	
		TGR	K	Z10K0008
7		Mounting plate		
		Colour	Material	
		TGR	K	Z10C5005
8		Connecting node		
		Colour	Material	
		SZ	K	Z10V100E.01

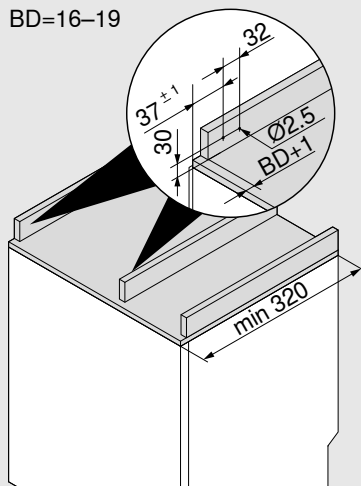
Accessories

-		Cable holder		
		Colour	Material	
		WS	K	Z10K0009
-		SERVO-DRIVE distribution cable		
		Colour	Material	
		SZ	K	
		Length 8000 mm		Z10K800AE
For cutting to size				
Colour/material				
K	Nylon	WS	White	
NI	Nickel plated	TGR	Dark grey	
SZ	Black			

SERVO-DRIVE flex for dishwashers

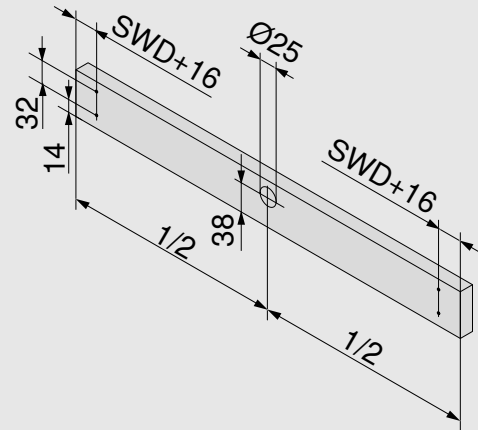
Planning

Mounting plate



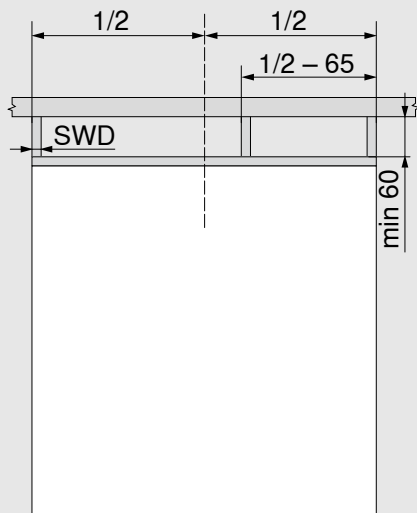
BD Blind front thickness
Max. 19 mm

Blind front – drive unit



SWD Cabinet side panel thickness

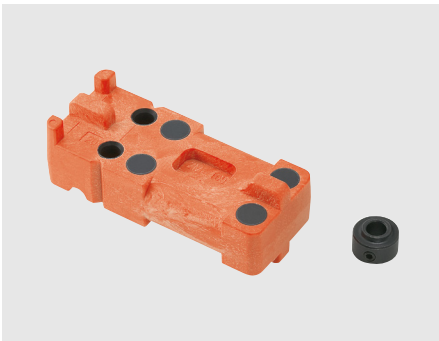
Drive unit



SWD Cabinet side panel thickness

Assembly devices

Drilling template for Blum distance bumper

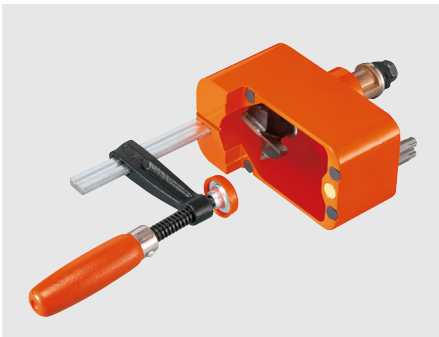


- Template for bumper drilling on the unattached and attached front

Ordering information

ZML.1090

Drilling template for the SERVO-DRIVE switch



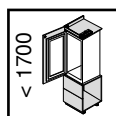
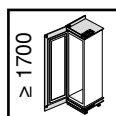
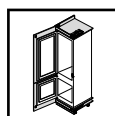
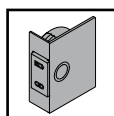
- Simple hand-held tool for drilling accurate holes for the SERVO-DRIVE switch attachment
- Hand drill required

Ordering information

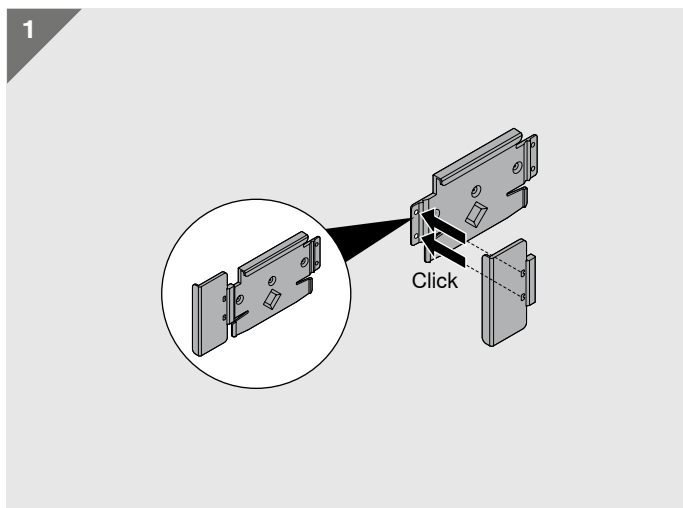
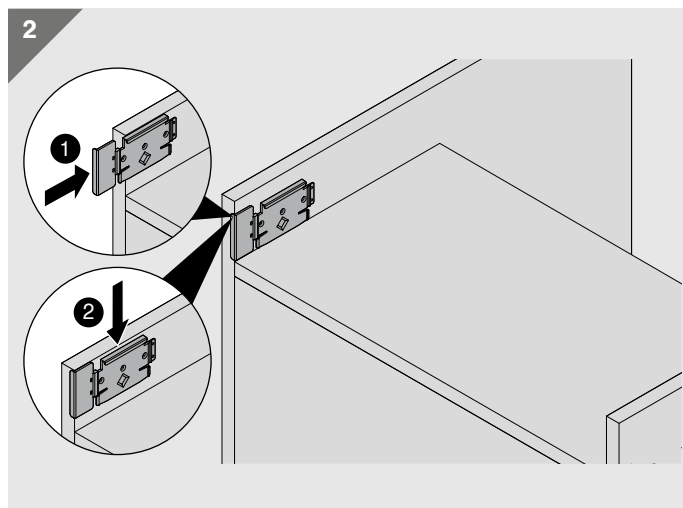
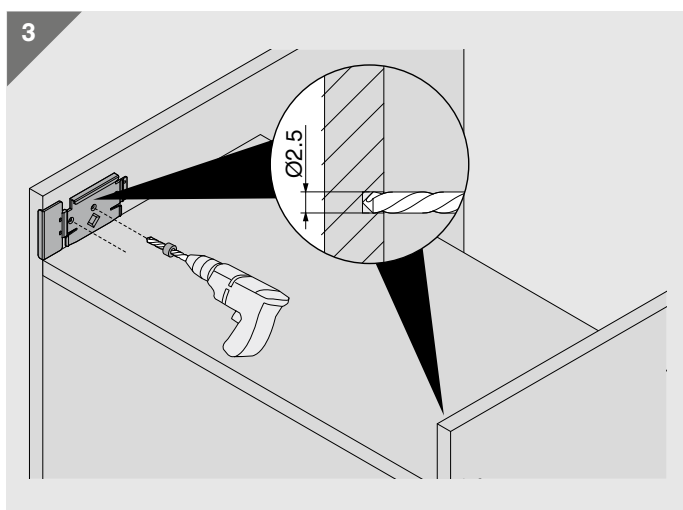
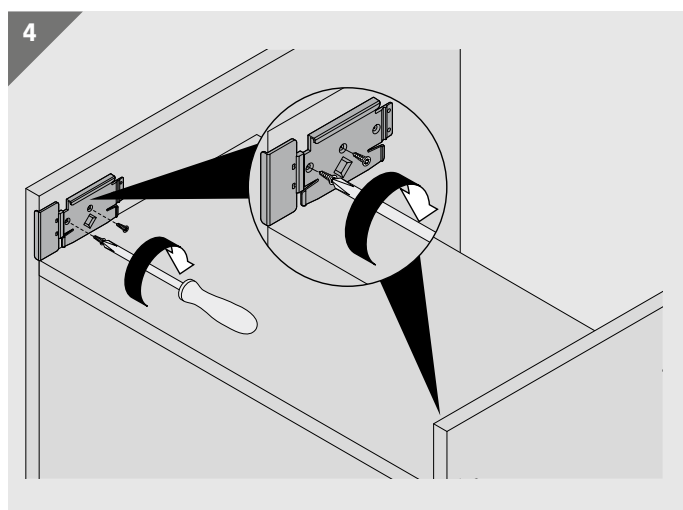
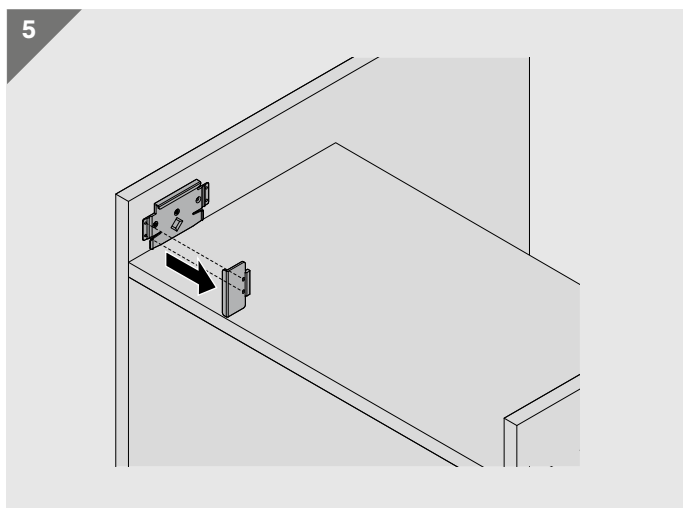
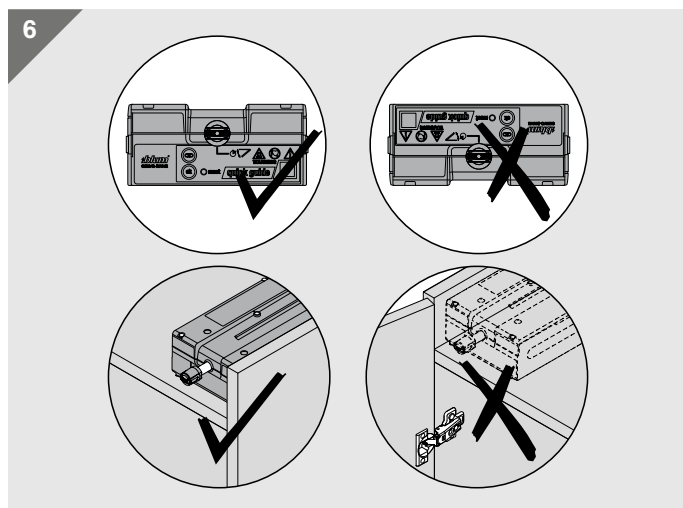
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SERVO-DRIVE flex for refrigerators and freezers

Assembly

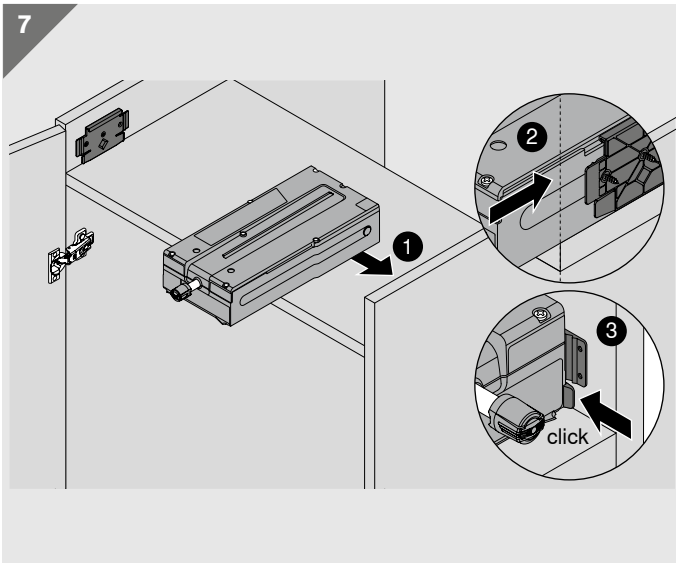
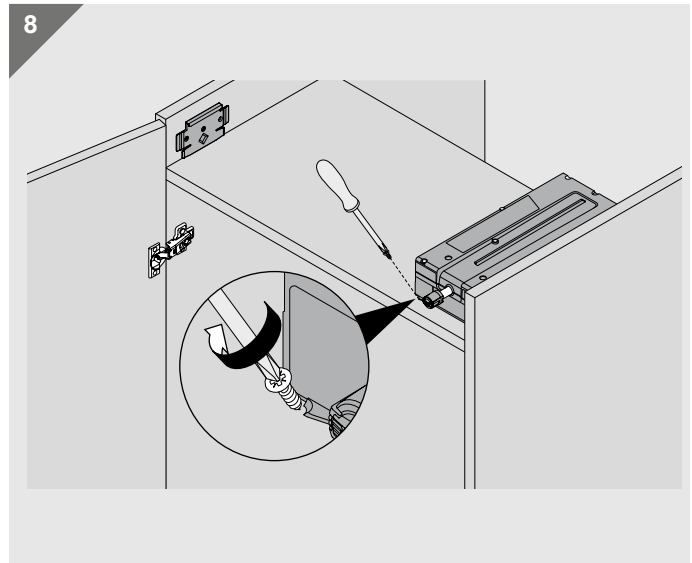
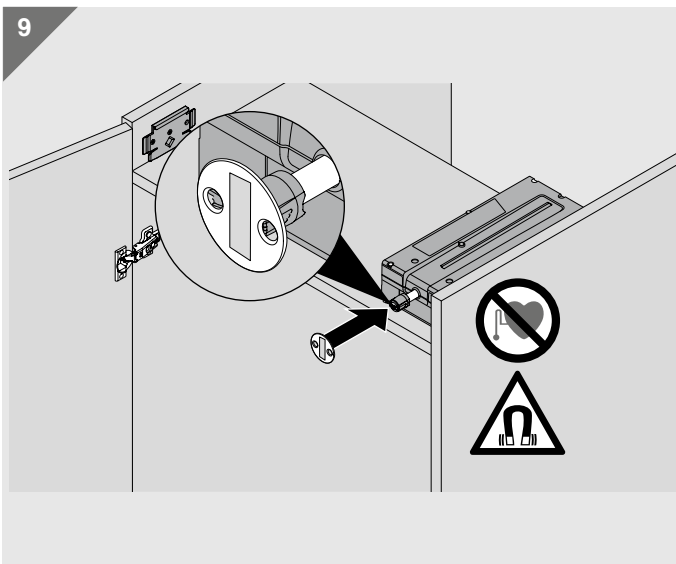
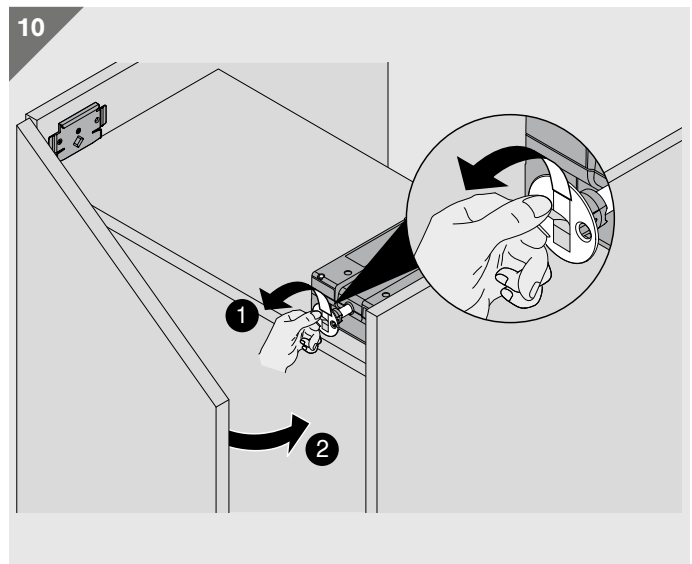
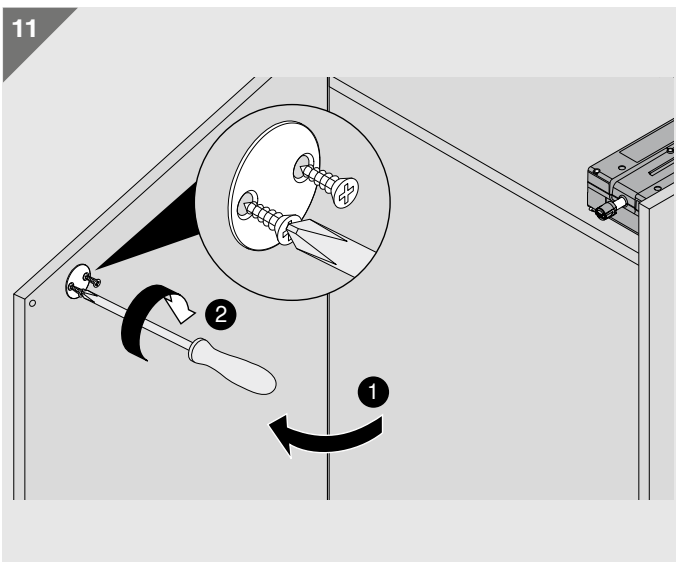
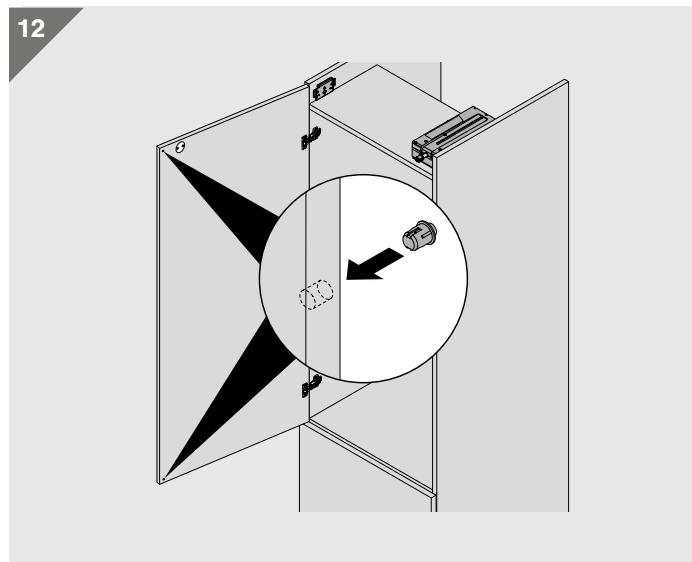


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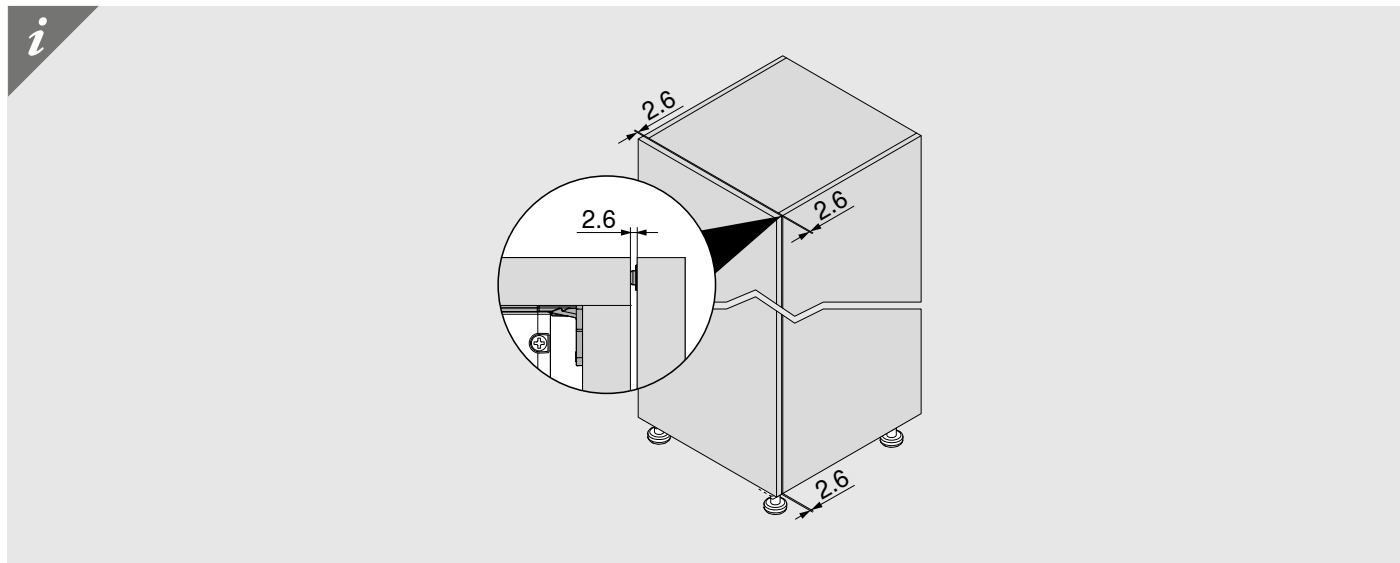
SERVO-DRIVE flex for refrigerators and freezers

Assembly

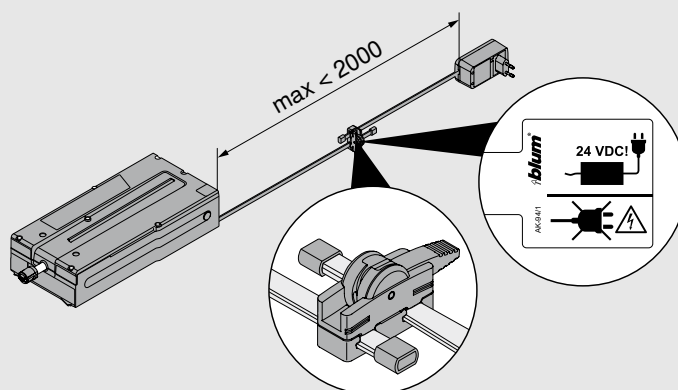


SERVO-DRIVE flex for refrigerators and freezers

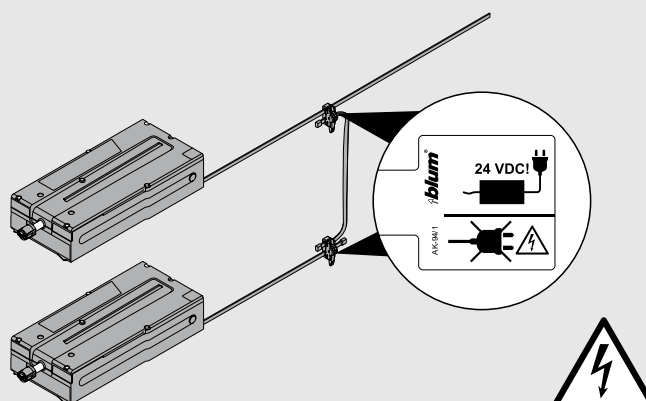
Assembly



13a

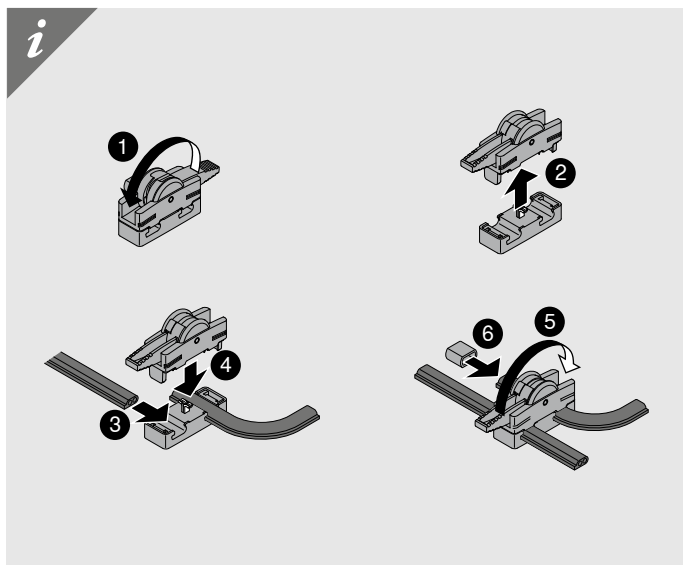
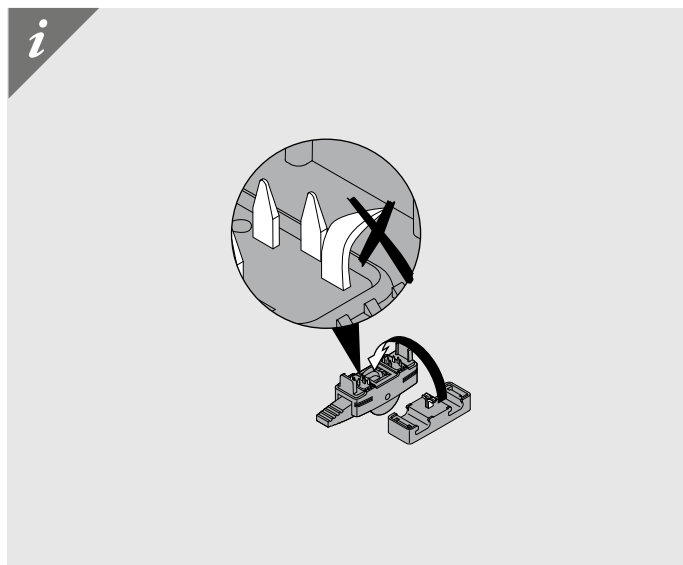
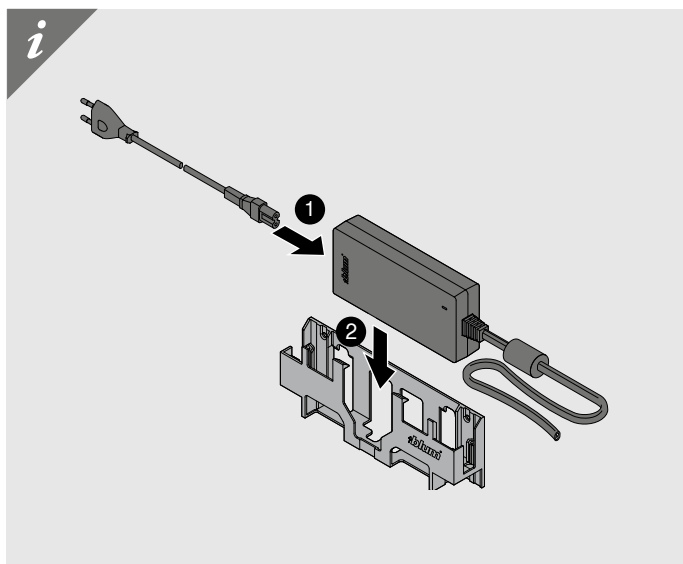
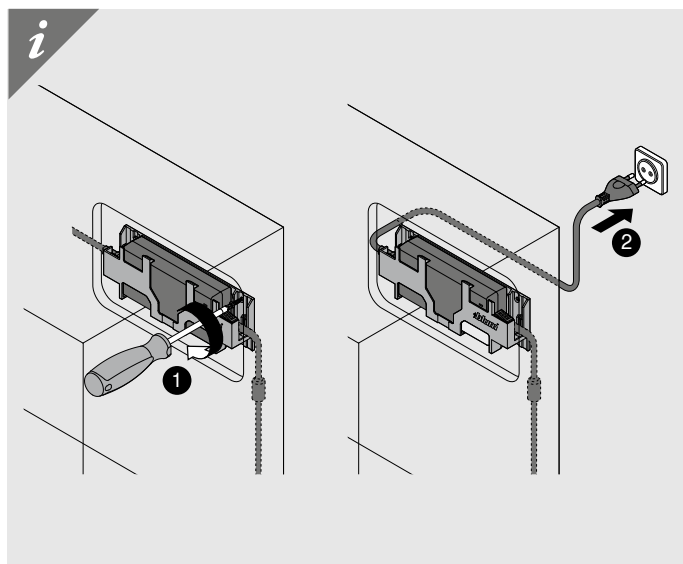
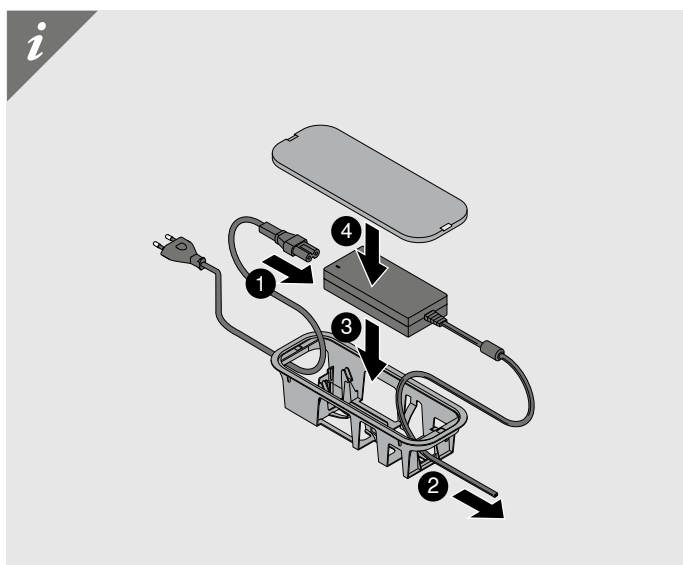
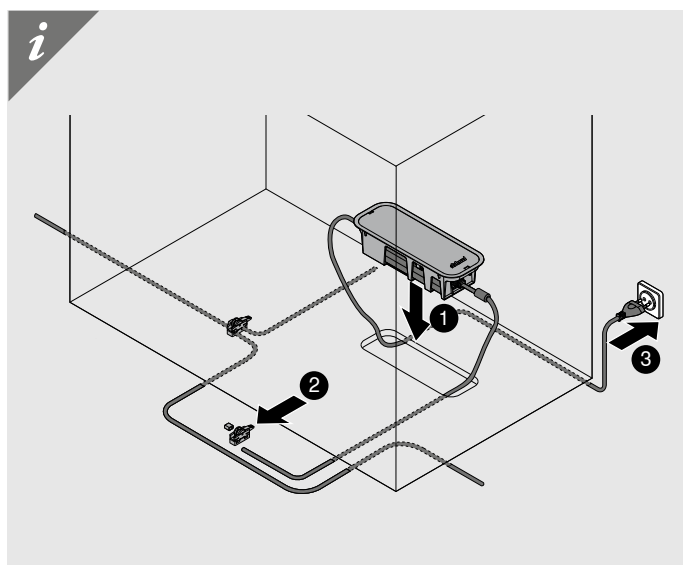


13b



SERVO-DRIVE flex for refrigerators and freezers

Assembly

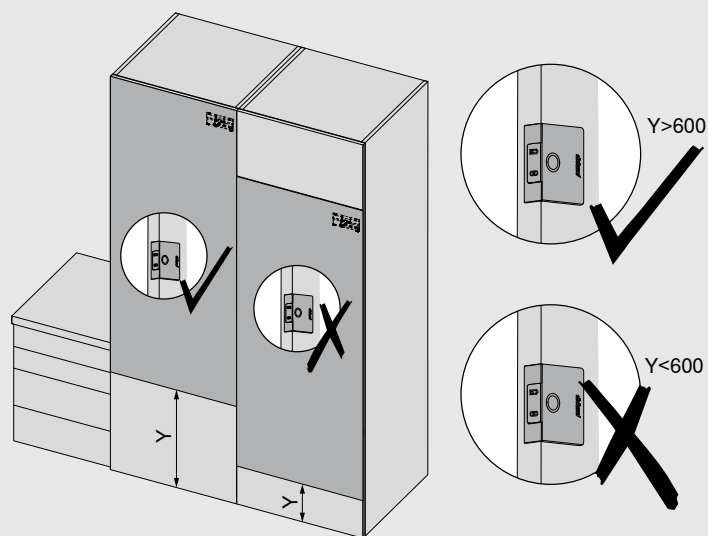


SERVO-DRIVE flex for refrigerators and freezers

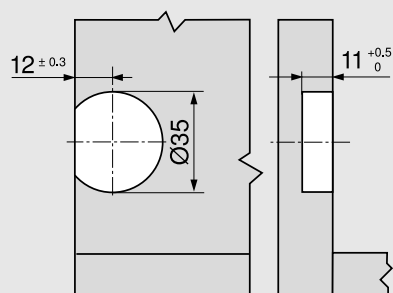
Assembly



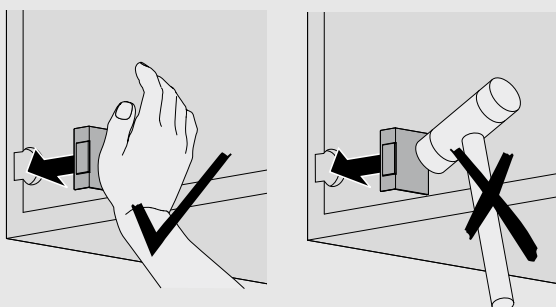
i



i



i

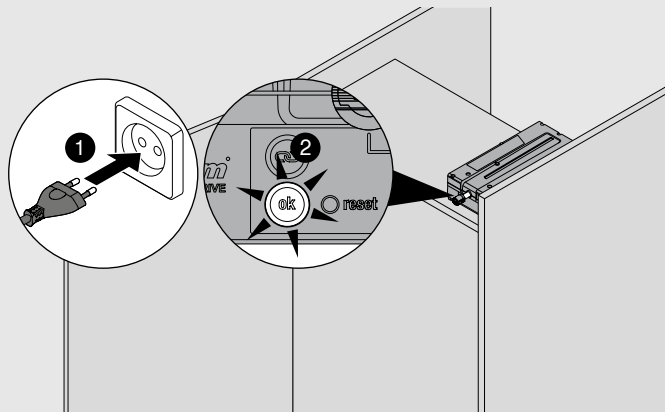


SERVO-DRIVE flex for refrigerators and freezers

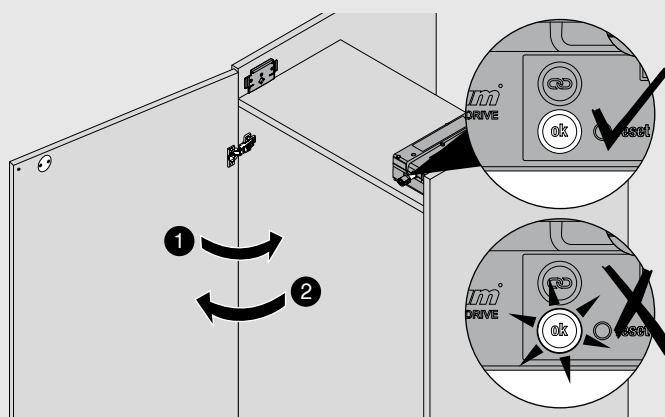
Assembly



14

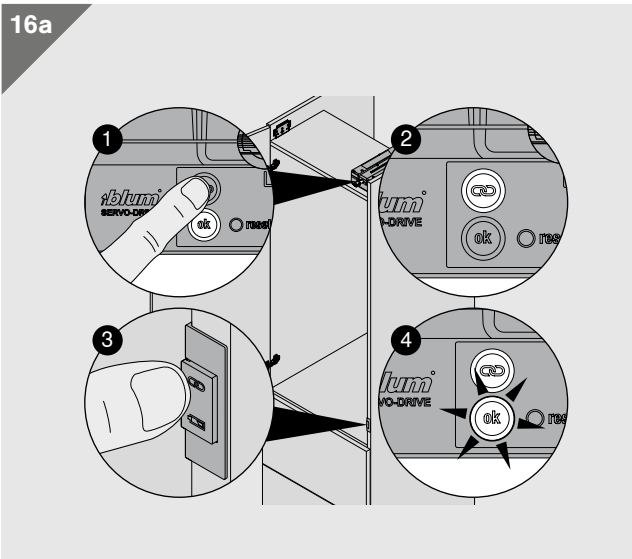
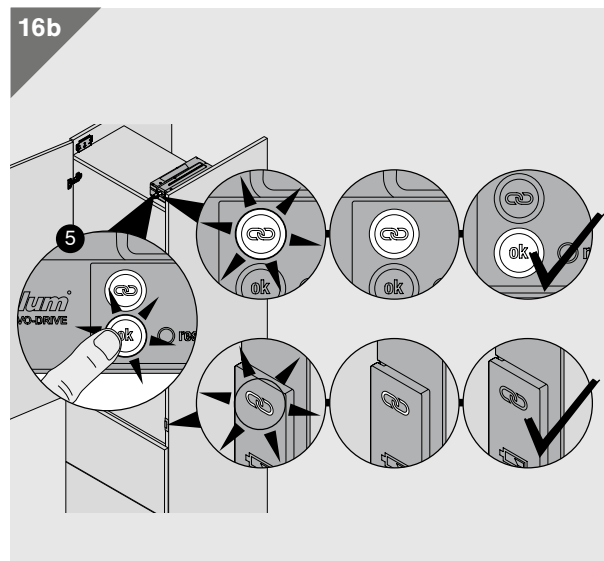
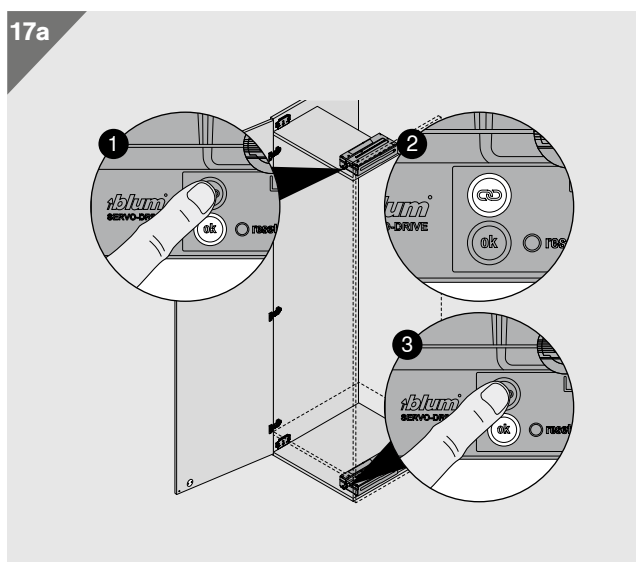
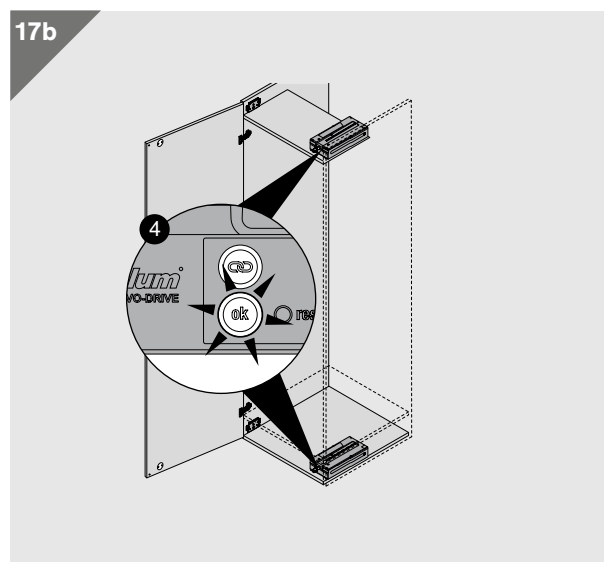
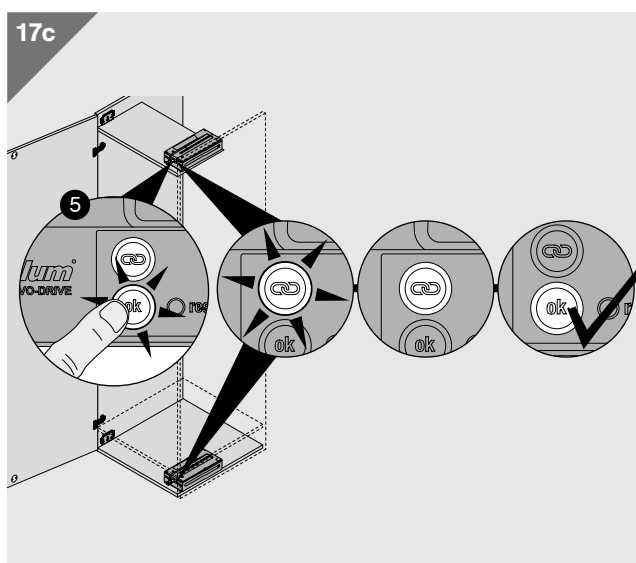


15



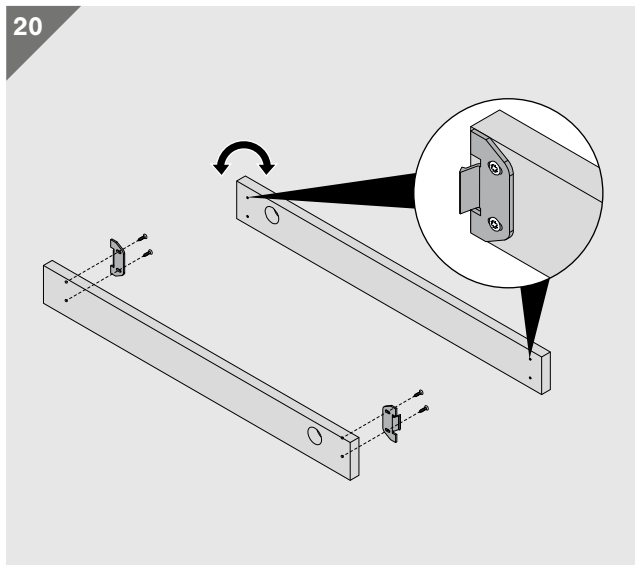
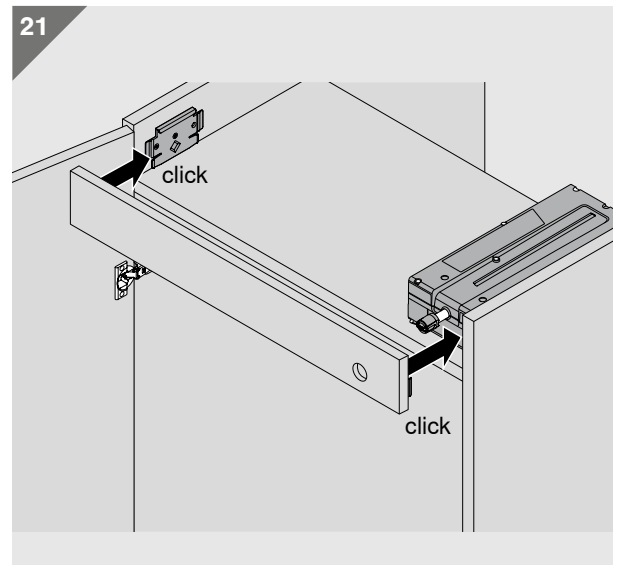
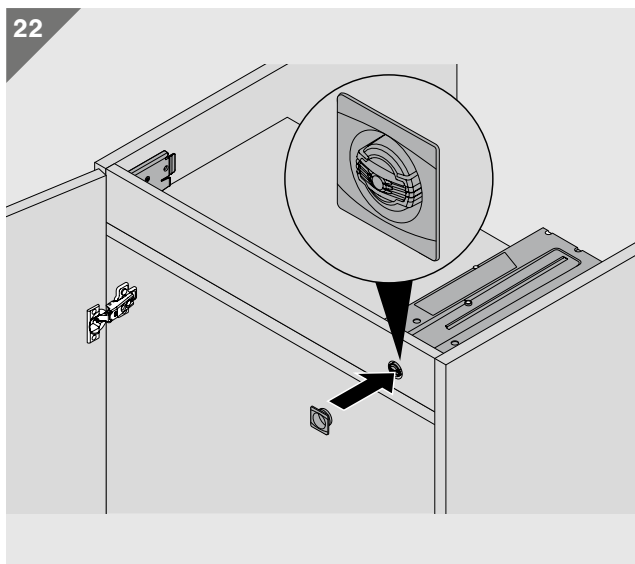
SERVO-DRIVE flex for refrigerators and freezers

Assembly



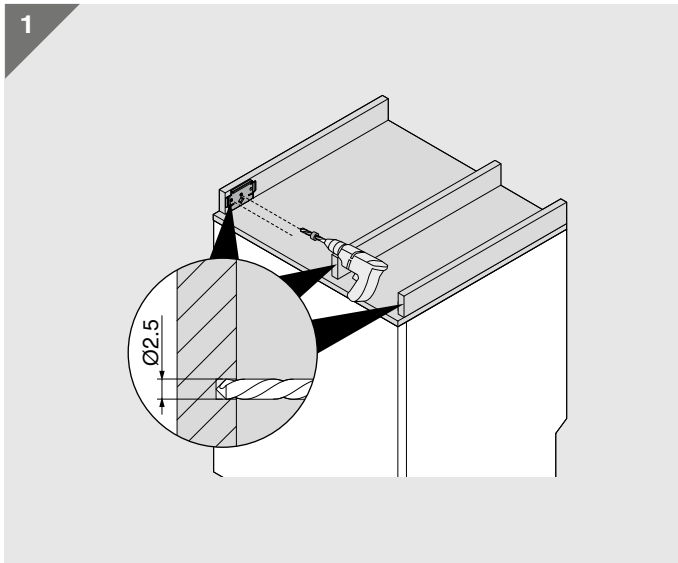
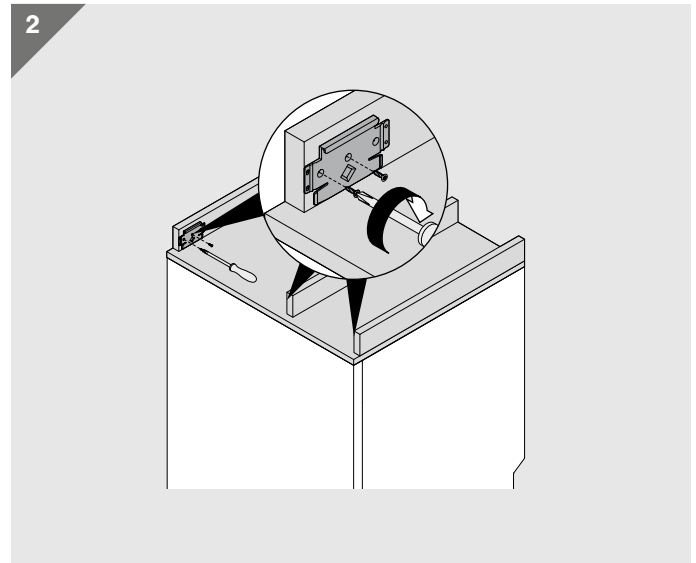
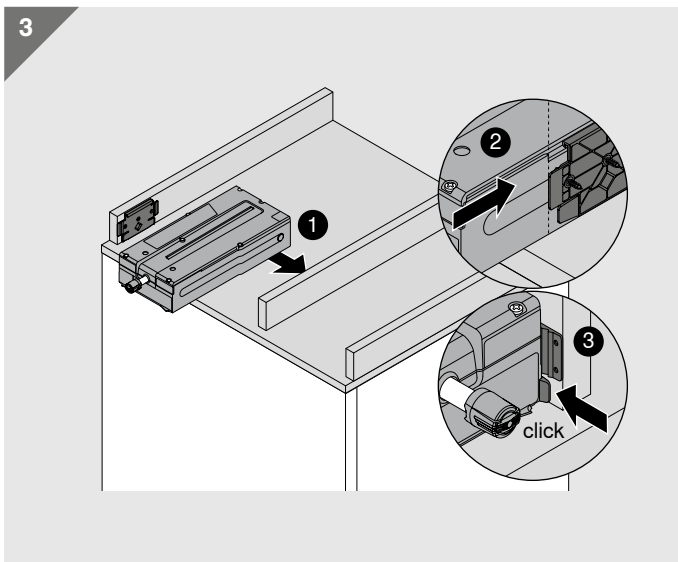
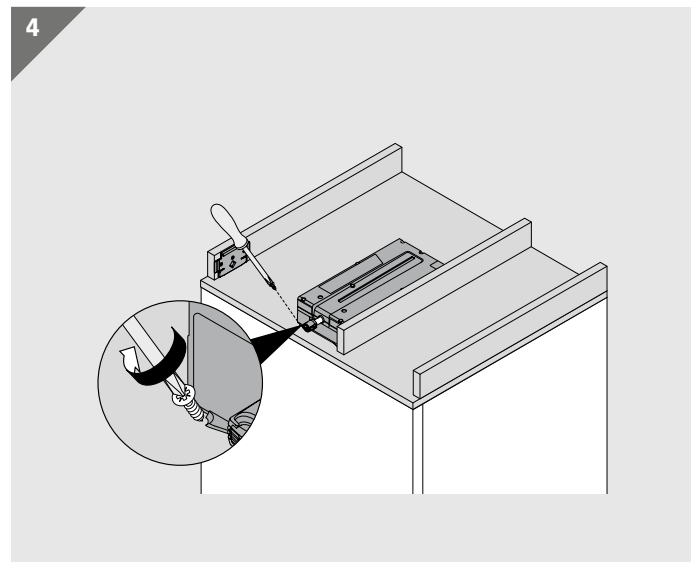
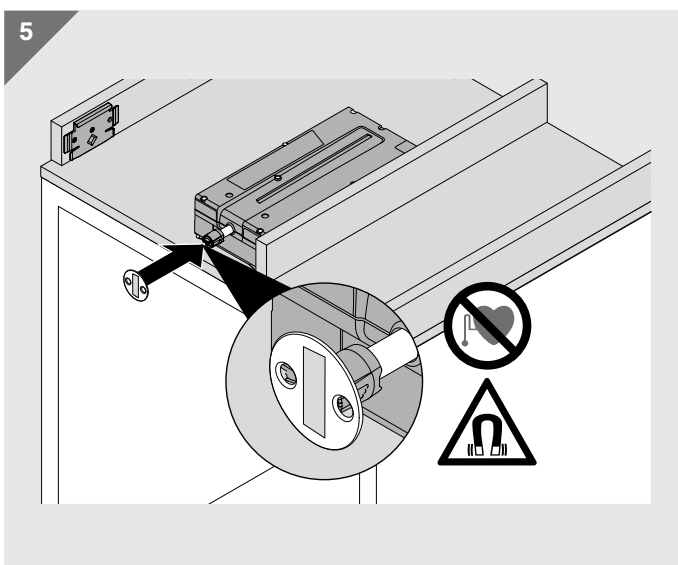
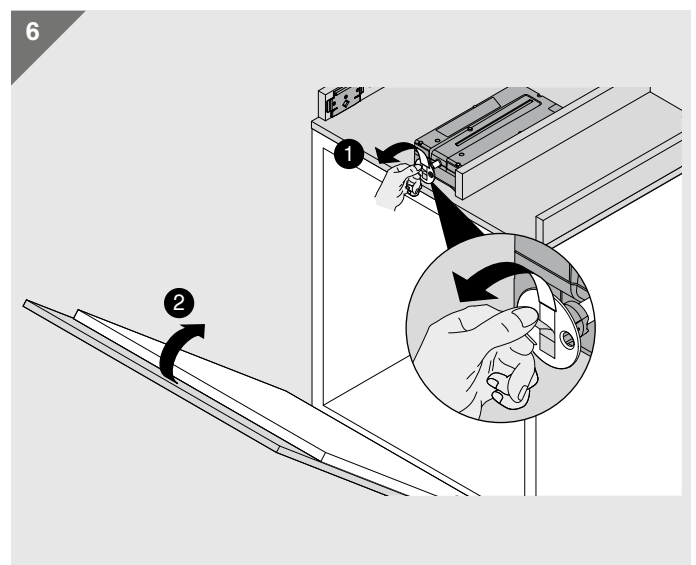
SERVO-DRIVE flex for refrigerators and freezers

Assembly



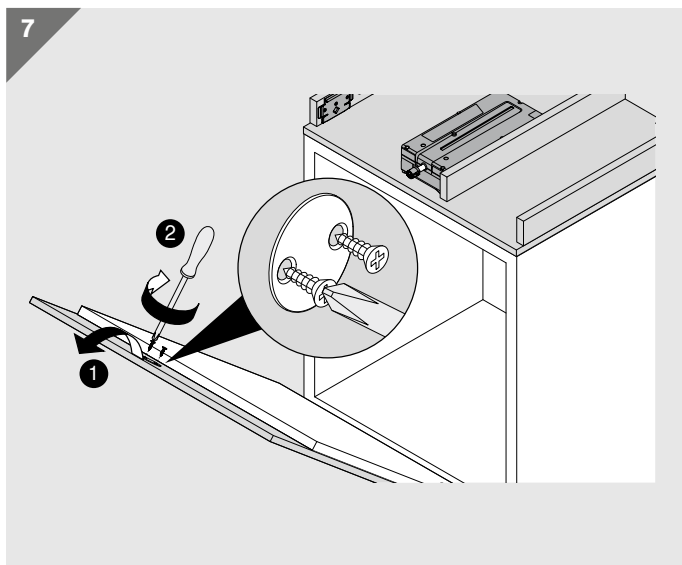
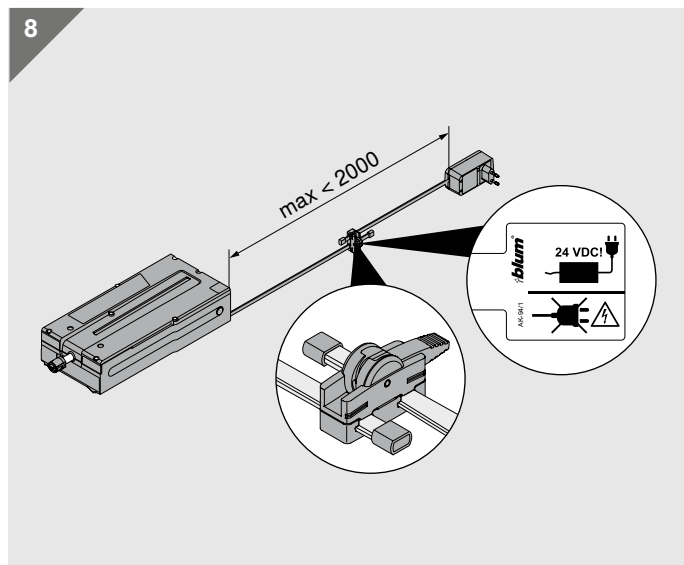
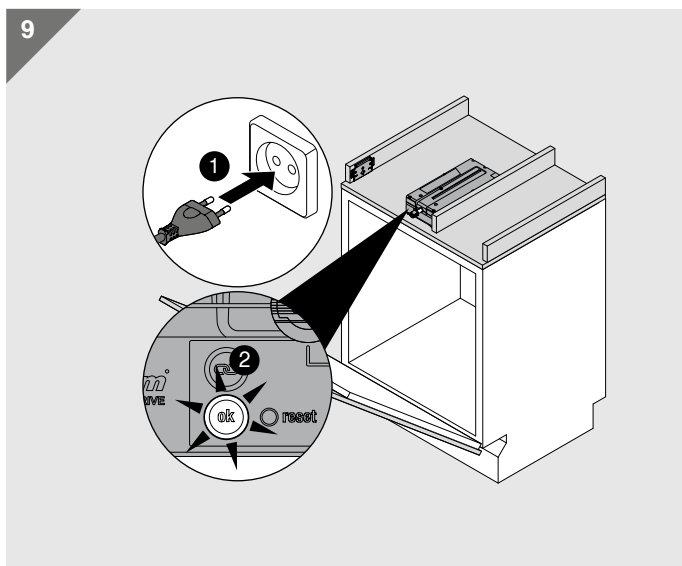
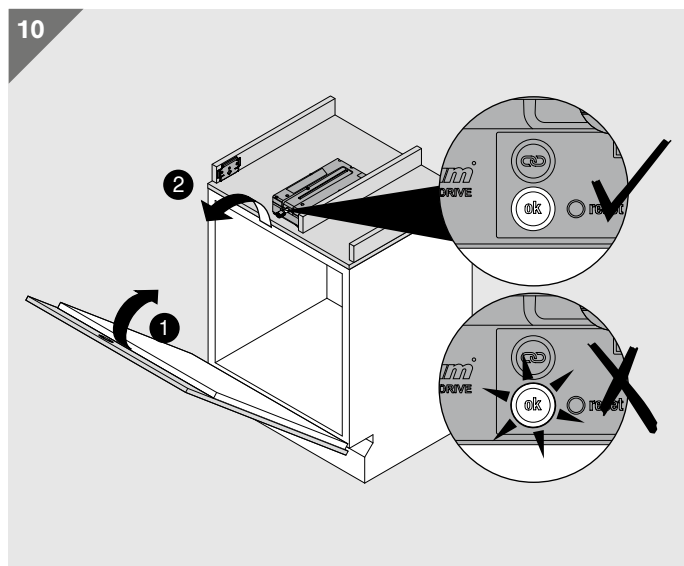
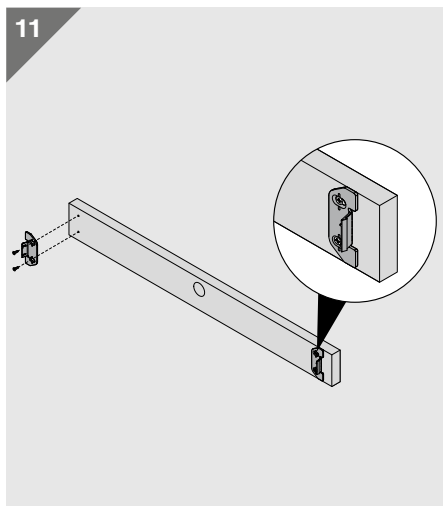
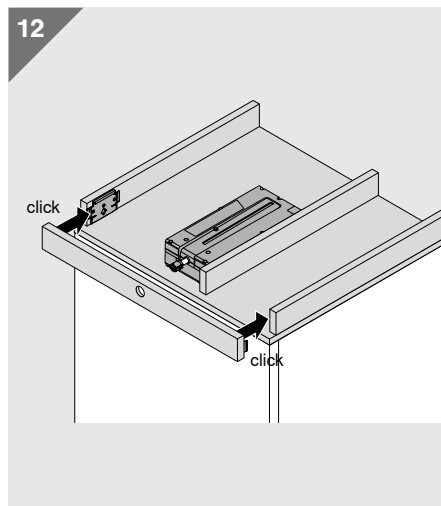
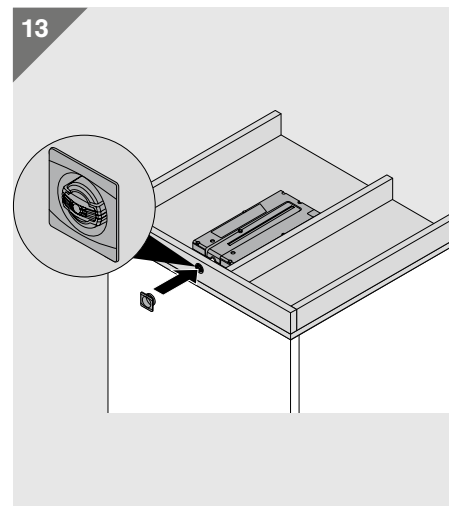
SERVO-DRIVE flex for dishwashers

Assembly



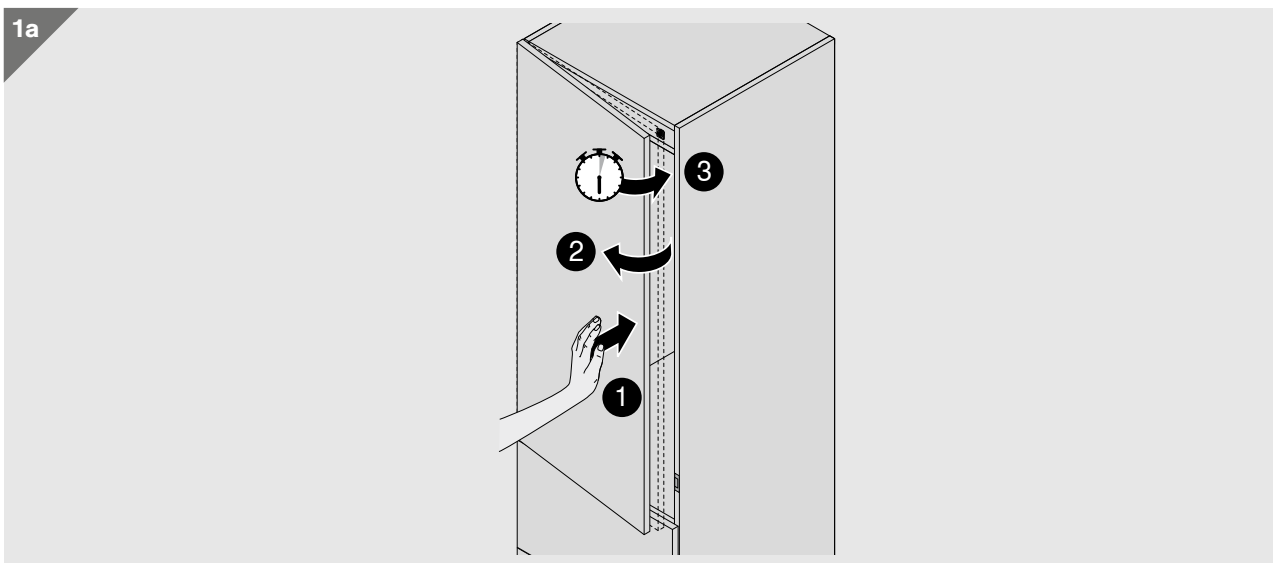
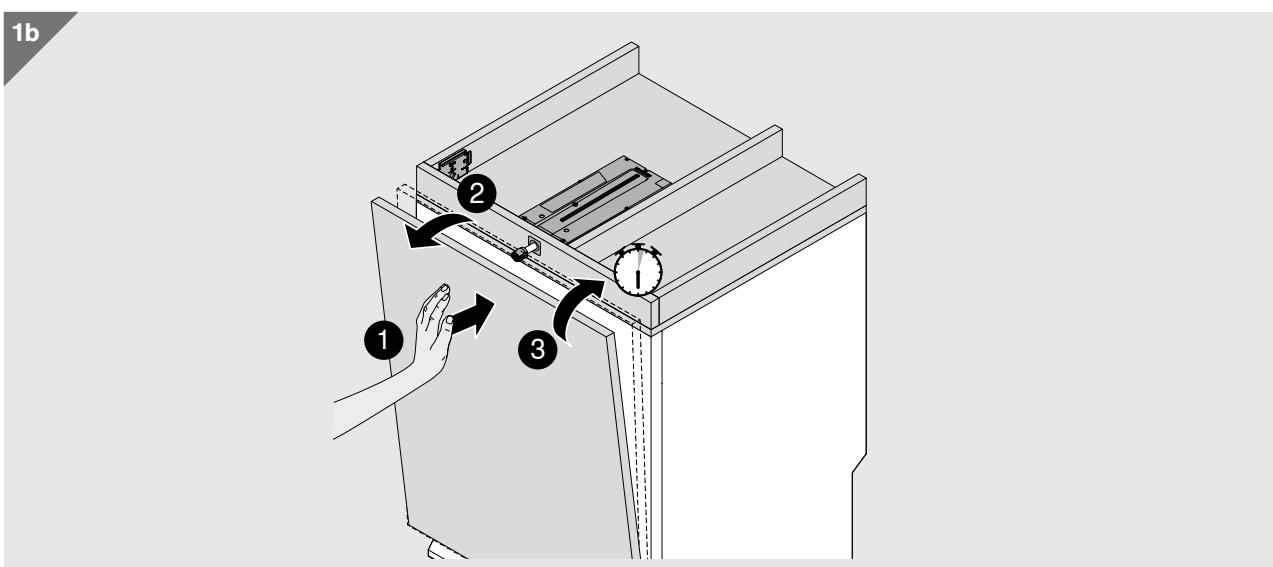
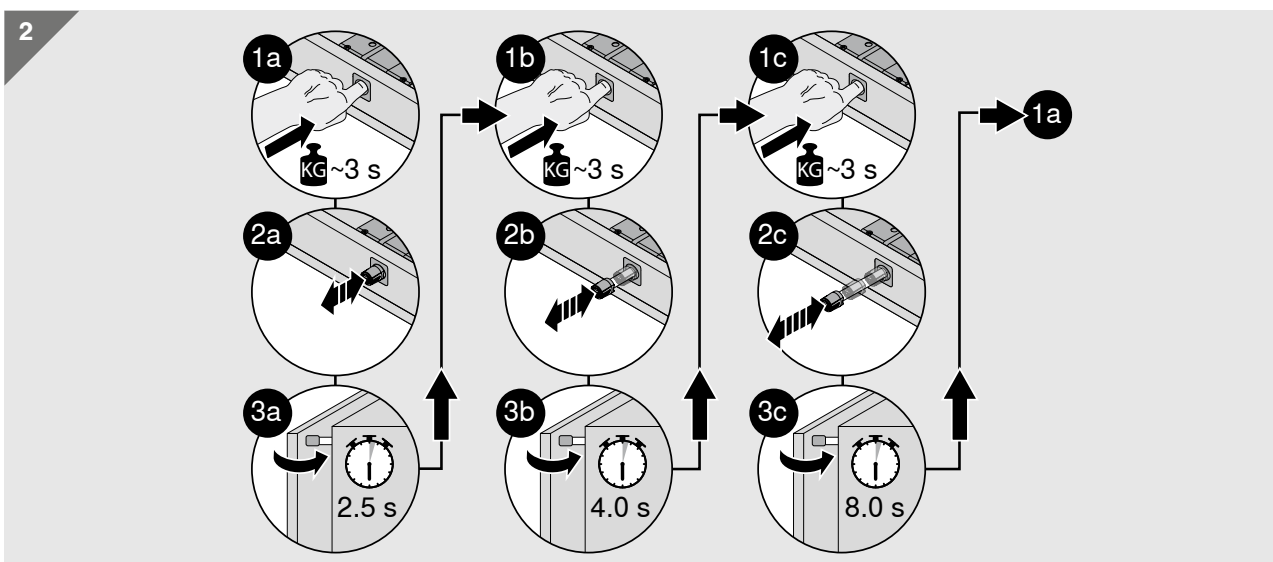
SERVO-DRIVE flex for dishwashers

Assembly



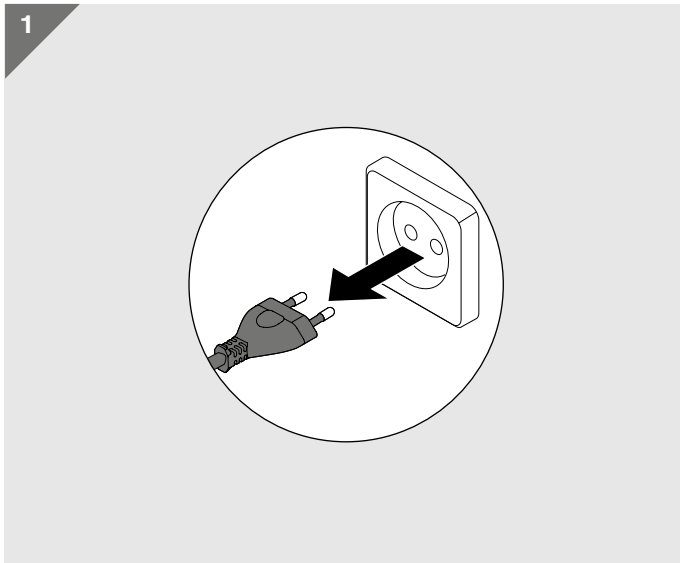
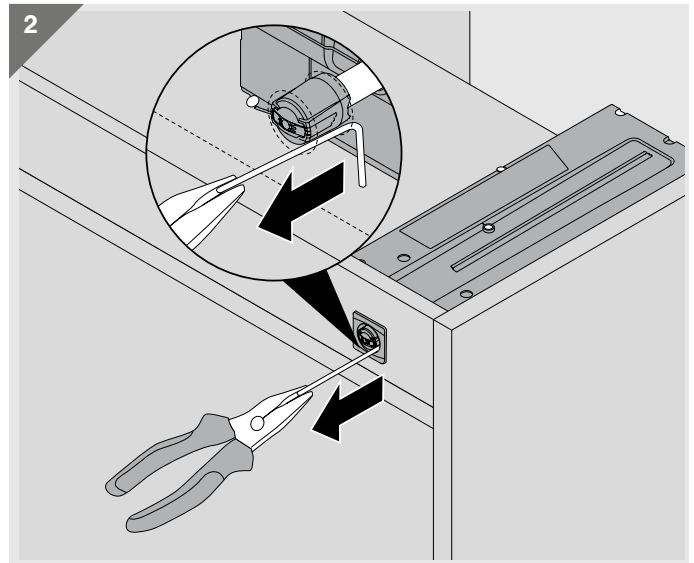
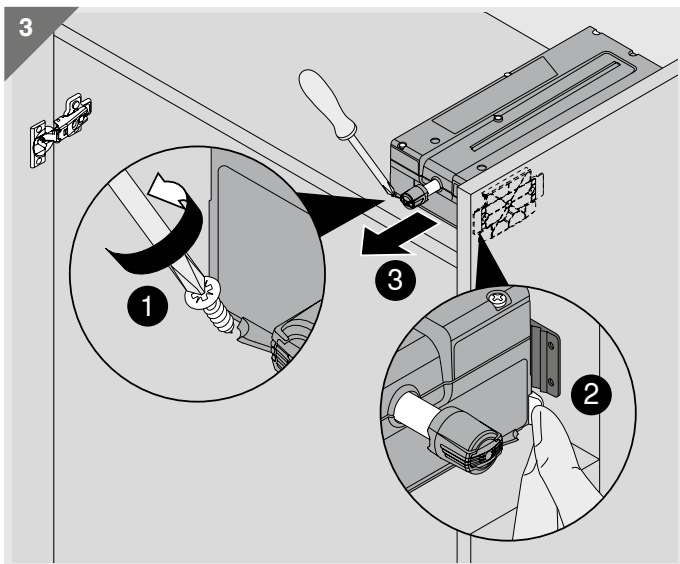
SERVO-DRIVE flex

Reset



SERVO-DRIVE flex

Removal



**Blum Showrooms
Sydney (Head Office)**

10 Blackbird Close
Len Waters Estate NSW 2171
Ph: 02 9612 5400

Adelaide

179 Railway Terrace
Mile End SA 5031
Ph: 08 8118 6070

Brisbane

6/39-45 Compton Road
Underwood QLD 4119
Ph: 07 3135 9490

Melbourne

245 Ferntree Gully Road
Mount Waverley VIC 3149
Ph: 03 9982 1720

Perth

3/425 Scarborough Beach Road
Osborne Park WA 6017
Ph: 08 6467 0110



Blum Australia Pty Ltd

PO BOX 1615, Green Valley,
NSW, 2168, Australia

Toll Free: 1800 179 186

E-mail: info.au@blum.com

blum.com

