

SERVO-DRIVE

The new opening support system for more freedom of motion
for TANDEMBOX plus BLUMOTION

connect.blum.com

Perfecting motion blum®

Our interpretation of perfect motion

SERVO-DRIVE inside + BLUMOTION inside









Easy opening, silent and effortless closing

SERVO-DRIVE is an electrical drive opening support system for drawers and pull-outs. By combining this feature with BLUMOTION, for silent and effortless closing action, we have created new levels of motion quality. Kitchen customers will be amazed by the ease of use, quality and freedom of motion.



Contents

4 More comfort for your customers

6 SERVO-DRIVE fascinates

8 Technology that inspires

10 Assembly can be this easy

12 Support for planning and installation

14 Order specifications and assembly

66 Perfecting motion





More comfort for your customers



Create more freedom of motion for your customers

SERVO-DRIVE is the new opening support system for drawers and pull-outs that we are certain will inspire your customers. The reason we are so confident is that, during the entire development process, we kept our focus on the needs and wants of the kitchen user.

A light touch on the front or a light pull of the handle, and drawers and pull-outs will open as if by themselves. It also doesn't matter how or where you touch the front. And thanks to BLUMOTION, pull-outs will re-close silently and effortlessly.





Everything in hand

Whether heavy or light, wide or narrow pull-outs – the gentle opening support always remains the same. And your customers always have the final say as to when the drawer stops or closes. Whether handle-less or with handle: SERVO-DRIVE turns every kitchen into the place to be. Your customers will be inspired.



SERVO-DRIVE fascinates

We help to create more design freedom ...



You can design kitchens using handle-less fronts or fronts with handles:
Thanks to SERVO-DRIVE, all options are on the table.



SERVO-DRIVE won the red dot “best of the best” design award for its unique design.

reddot design award
winner 2007 – best of the best

interzum award: intelligent material & design 2007

... and more freedom of motion for your customers



With hand, foot, knee or hip: opening is that easy.



Technology that inspires

SERVO-DRIVE inside + **BLUMOTION** inside



The basis for SERVO-DRIVE is an electrical drive that triggers the opening signal. By combining this unique feature with the silent and effortless closing action of BLUMOTION we have created a whole new freedom of motion in the kitchen.



Producing quality

has always been one of our guiding principles

We took this into account when developing SERVO-DRIVE. And that's why you get a 5-year warranty for electrical components when used in combination with Blum TANDEMBOX.

Universally applicable

With SERVO-DRIVE, the drawer does not have a fixed connection to the drive unit. This enables it to be stopped at any position during the opening process. This also enables it to be closed from any position. There is only one drive unit version for all cabinet widths of 275 mm and higher.

Easy to integrate

You do not need to make any changes to the pull-out system when upgrading TANDEMBOX with SERVO-DRIVE. Also the smooth running action of the TANDEM roller carriage and the problem-free function of BLUMOTION remain unchanged.

Easy to deactivate

We recommend installing a commercially-available switched outlet. This makes it easy to deactivate SERVO-DRIVE which saves energy and makes it easier when cleaning frontals. Drawer and pull-out systems remain fully operational whether the power supply is on or off.



> Good arguments for SERVO-DRIVE

- 5 year warranty: Free material replacement for defective components when using with Blum TANDEMBOX
- No fixed connection to the drive system
- Can be used with all nominal lengths
- Can be used without having to change TANDEMBOX pull-outs
- One drive unit version for all applications
- Shallow installation depth

Assembly is easy too





1. Place the bracket profile attachments (upper and lower) over the drillings and secure with screws.



2. Hand-insert the drive units at the correct position on the bracket profile and lock into place.



3. Feed the cable underneath, insert the bracket profile in the attachment and lock into place.

The same for installation:
It's so easy …

The ease of installation is a testament to the quality and precision of any product. When designing SERVO-DRIVE we worked with the motto; "The simpler the better." The result is that the majority of components can be installed without the need of any tools.

Flexible cabling

With our special cable the transformer can be positioned almost anywhere along the unit run. No additional effort is required during cabinet installation – the drive units adjust to the installation situation itself.

Maintenance-free

During the development of SERVO-DRIVE, great emphasis was placed on easy assembly, adjustment and maintenance. Replacement parts can be installed without tools. In addition, all SERVO-DRIVE components are maintenance-free. SERVO-DRIVE in connection with TANDEMBOX is being certified internationally and does not fall under either; the "Machine guidelines" or "E-equipment regulation" Therefore it can be installed in connection with TANDEMBOX without the need for further approval.



4. Feed the bracket profile cables and distribution cables through the connecting node.



5. Place the transformer in the transformer unit housing.



6. Simply press the special Blum distance bumper into the front.

Support for planning and installation



Fast and easy planning
with DYNALOG 2.8

DYNALOG is a user-friendly catalogue and planning programme. It offers more security for furniture planning – ensuring that you are able to order the right products. New applications such as SERVO-DRIVE can be easily planned with a collision check. All relevant data for installation and ordering are provided in the planning results.

Fast and precise installation

In order to ensure that a product should work the first time and remain problem-free, it is essential that installation is carried out in a precise manner. To assist with this, Blum provides the following templates for SERVO-DRIVE assembly:

- Drilling template for upper/lower bracket profile attachment
- Drilling template for the Blum distance bumper
- Carton template for horizontal bracket profile attachment (included in the set)

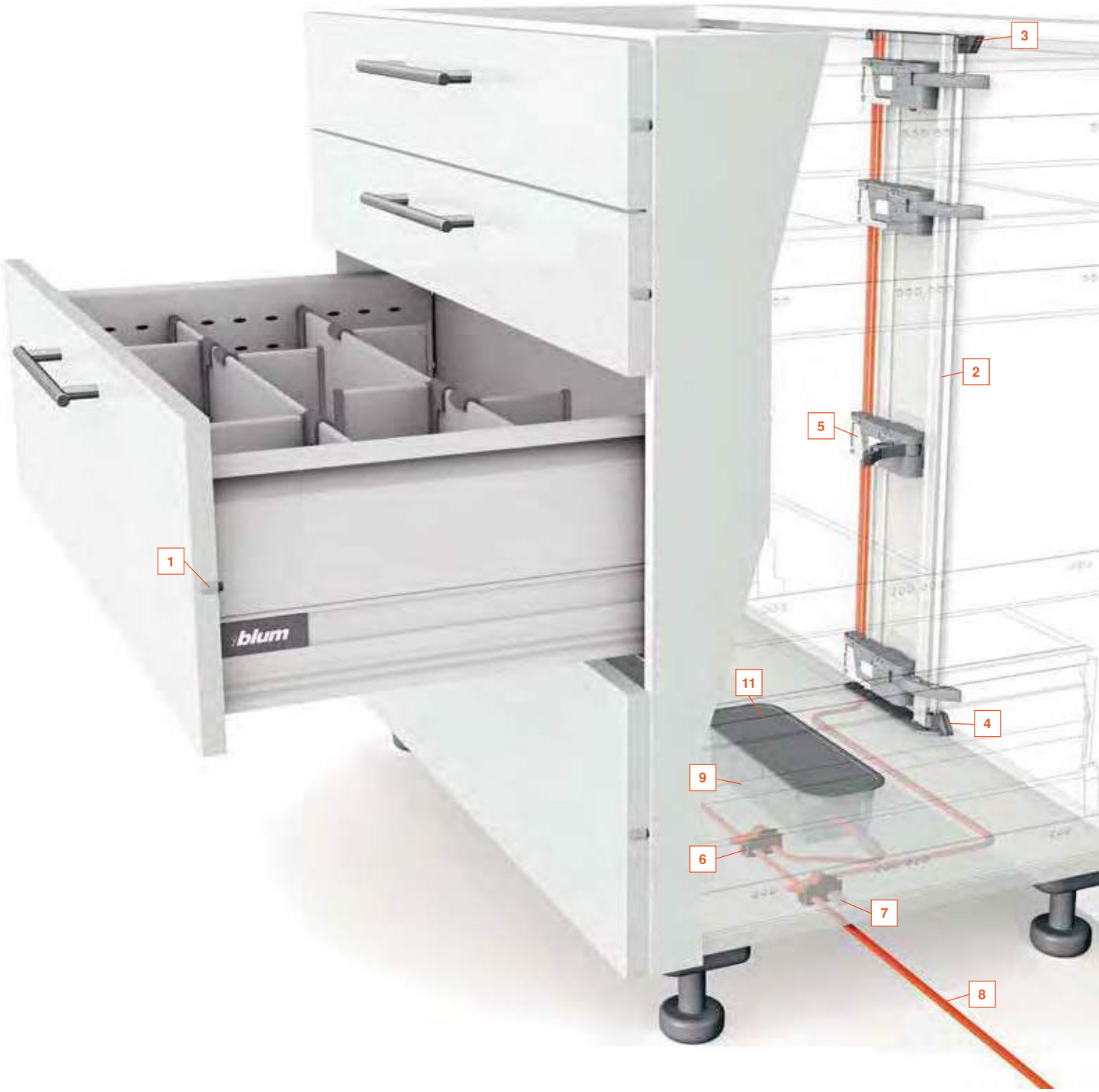


Drilling template for the Blum distance bumper



Drilling template for upper/lower bracket profile attachment

Standard cabinet with horizontal or vertical cross members





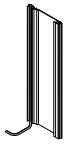
1



Blum distance bumper

The Blum distance bumper creates and maintains the required trigger path of 2 mm.

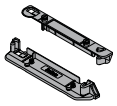
2



Bracket profile

The drive units are attached to the bracket profile.

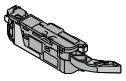
3 4



Bracket profile attachment upper/lower for cabinet construction with horizontal cross members

These components are used to attach the bracket profile. The “back profile attachment” including a cover cap is available for a cabinet construction with a vertical cross member.

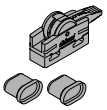
5



Drive unit

The drive unit opens the pull-out.

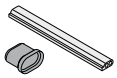
6 7



Connecting node + cable end protector

This node establishes the electrical connection between the distribution cable and the bracket profile and/or transformer. The cable end protector is inserted into the “open” end of the cable.

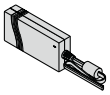
8 7



Distribution cable for cutting to size + cable end protector

This cable is used to supply the power required by the cabinet elements and/or drive units.
The max. permitted operating voltage is 24V. The cable end protector is inserted into the “open” end of the cable.

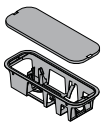
9



Blum transformer

The Blum transformer can be used worldwide. It converts the county-specific mains voltage to 24V direct current. You must use a flex with a regular plug for the respective country depending on the installation location.

11



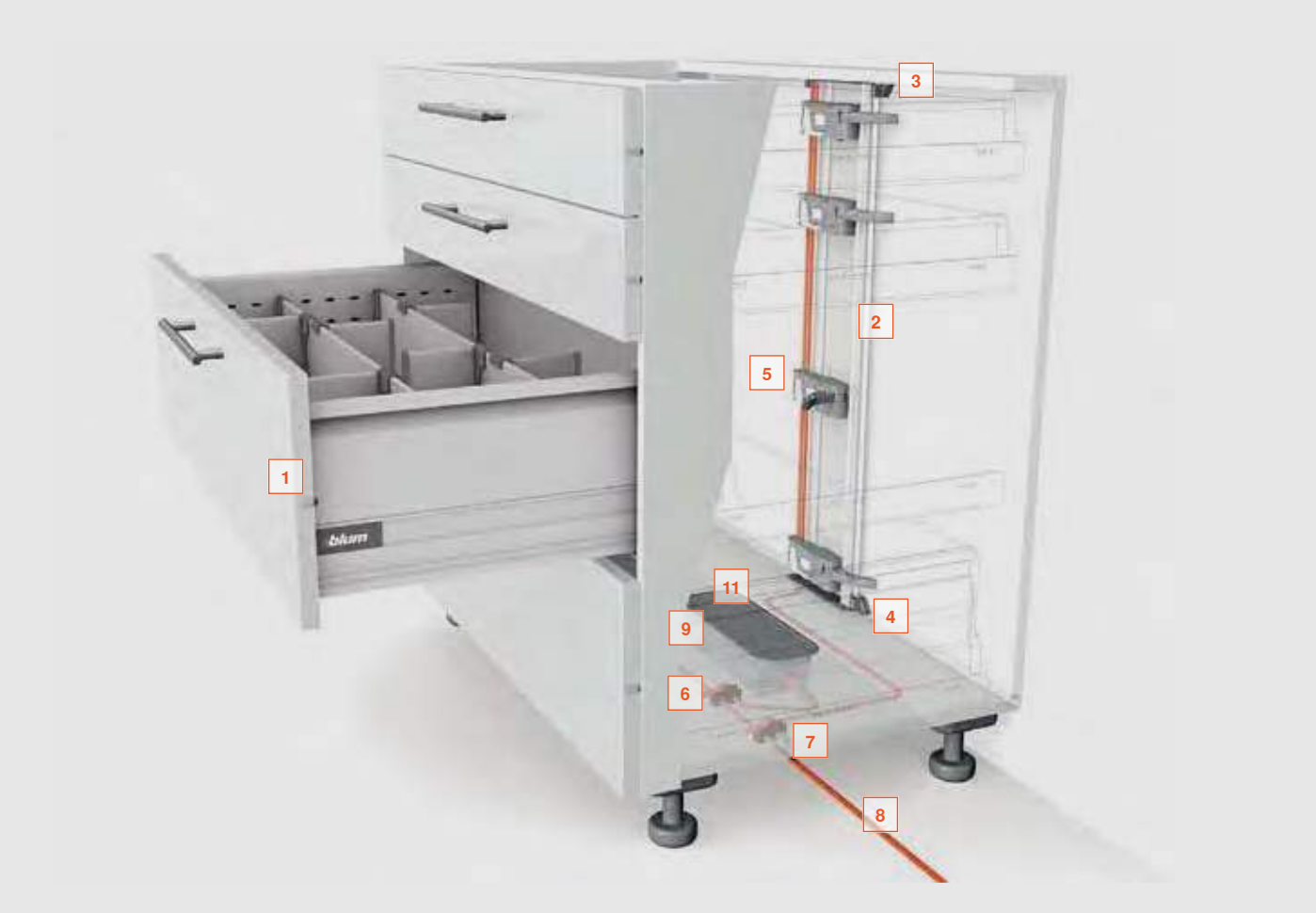
Transformer unit housing (base fixing)

The transformer is easily and securely stored in the “base-fix” version of the transformer unit housing.

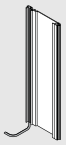


If the transformer is attached to the wall or a vertical panel, then the “wall-fix” version of the transformer unit housing is used.

Order specification
Standard cabinet with horizontal or vertical cross members

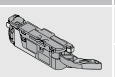


1	Blum distance bumper	
	Ø 8 mm	993.0830.01
	Ø 5 mm	993.0530
	Up to front height 300 mm: 2 pcs. per pull-out	
	Front height 300 mm and higher: 4 pcs. per pull-out	
	When using a 65 kg runner, always attach 4 Blum distance bumpers	

2	Bracket profile	
	Alu – cut to size with attached cables	
	Length 650 mm	Z10T650AA
	Length 700 mm	Z10T700AA
	Length 710 mm	☎ Z10T710AA
	Length 750 mm	Z10T750AA
	Length 800 mm	Z10T800AA
	Length 1170 mm only available without cable	Z10T1170A

3, 4	Bracket profile attachment upper/lower for cabinet construction with horizontal cross members	
	RAL 7037 dust grey	Z10D01E0

3a, 3b, 4	Lower and upper bracket profile attachment with bracket cover cap for cabinet constructions with vertical cross members	
	RAL 7037 dust grey	Z10D01EA

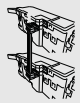
5	Drive unit	
	RAL 7037 dust grey	Z10A3000.02

5a	Trigger guide	
	RAL 7037 dust grey	Z10A3H00
	For KB 275–320 mm in combination with a chipboard back	
	KB Cabinet width	



6, 7	Connecting node + cable end protector	
	black	Z10V100E.01

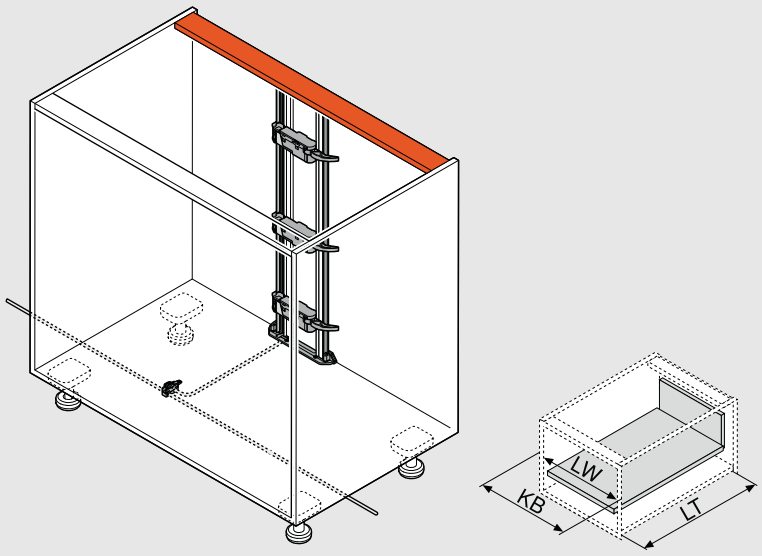
8, 9, 10, 11, 12	Distribution cable, Blum transformer, flex and transformer unit housing
	Page 57

13	Synchronisation cable	
	Two drive units that are supposed to open simultaneously must be connected via the synchronisation cable.	
	Length 160 cm	Z10K160S
	Length 120 cm	Z10K120S
	Length 50 cm	Z10K050S
	Length 8 cm	Z10K008S

17	Front stabilisation	
	RAL 7037 dust grey	Z96.10E1

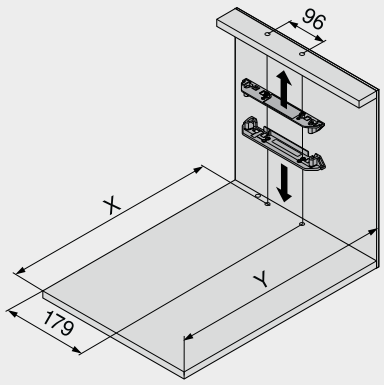
Planning information **Horizontal cross member**

Basic element "horizontal cross member" – cabinet dimensions

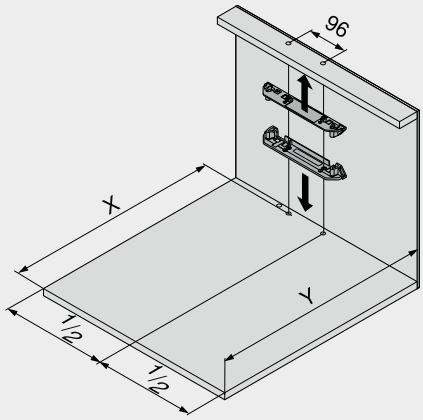


KB	Cabinet width
LW	Inner cabinet width
LT	Internal cabinet depth
NL	Runner system nominal length
X	Drilling position
Y	Min. space requirement

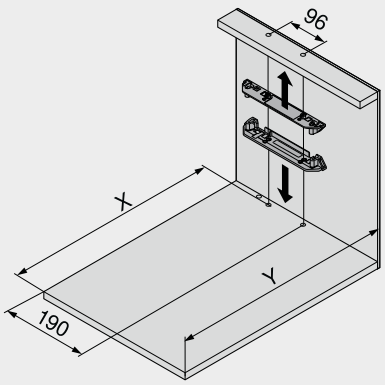
Drilling distance base/cross bar



Cabinet width 275–420 mm



Cabinet width 420 mm and higher



N drawer side with steel back for cabinet width 320–420 mm

Using this assembly position for the bracket profile, both inner pull-out elements as well as those with overlay fronts can be opened by pushing and pulling. For this application situation, the following general dimensions apply:

Space requirement and drilling position for all application situations

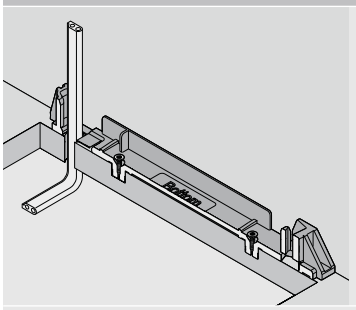
	X	Y
Steel back	NL + 2	min LT = NL + 16
Chipboard back	NL + 19	min LT = NL + 33

SERVO-DRIVE can also be used if there is less space available. At the assembly position below for the bracket profile, inner pull-out elements can only be opened by pulling (not by pushing).

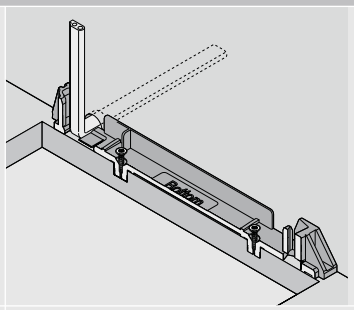
Min. space requirement and drilling position

	X	Y
Steel back	NL -1	min LT = NL + 13
Chipboard back	NL + 16	min LT = NL + 30

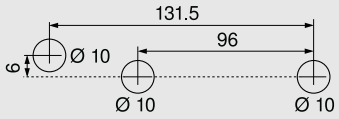
Drilling pattern base

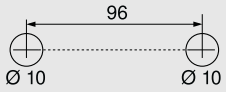


Lower cabling

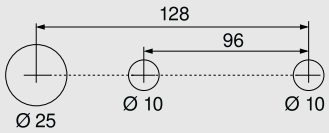


Back cabling





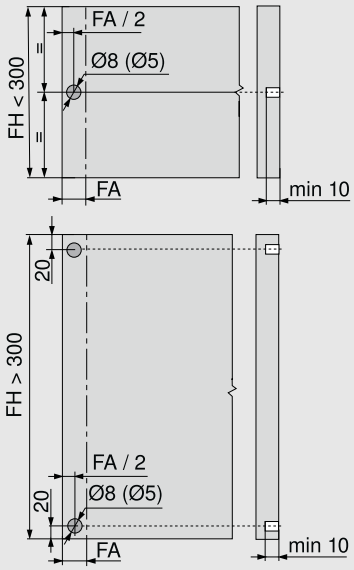
Alternative: Drilling pattern for MINIPRESS and PRO-CENTER



Cabling see page 57

Front assembly: Position of Blum distance bumper

The Blum distance bumper creates and maintains the required trigger path of 2 mm.

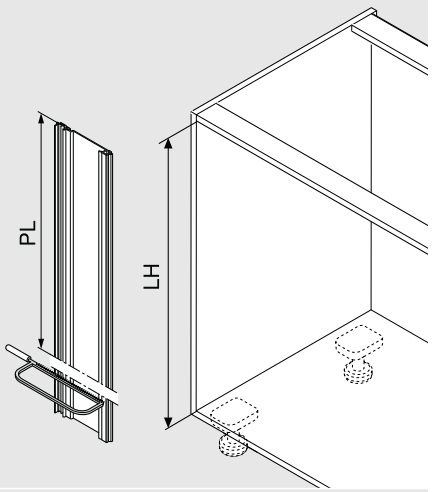


When using a 65 kg runner, always attach 4 Blum distance bumpers.

Use front stabilisation for optimal triggering for front heights > 300 mm.

FA	Front overlay
FH	Front height

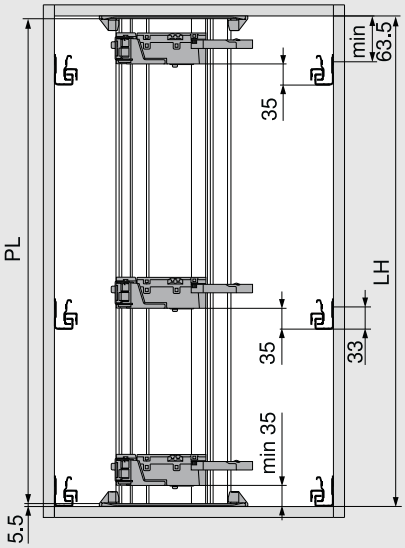
Bracket profile for cutting to size



PL = LH -10 mm

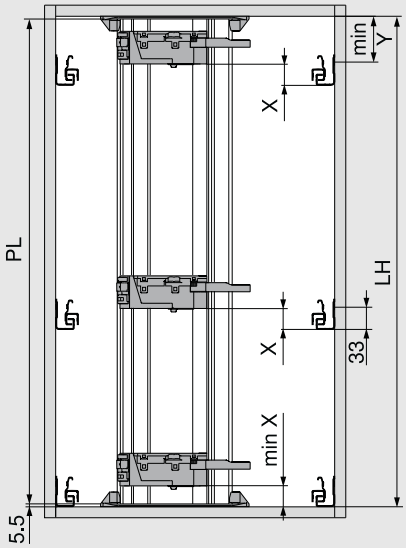
LH	Internal cabinet height
PL	Profile length

Position of drive unit



All back heights except N

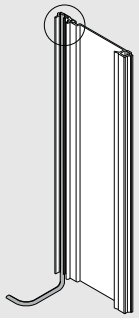
LH	Internal cabinet height
PL	Profile length



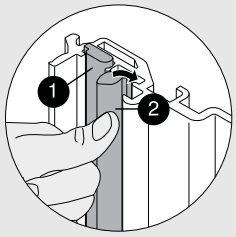
Back height N	KB < 320		KB > 320	
	X	Y	X	Y
Steel back	27.5	48.5	27.5	48.5
Chipboard back	35	55.5	27.5	48.5

Assembly **Horizontal cross member**

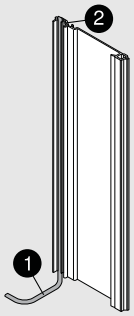
Insert bracket profile cable and/or communications cable into the bracket profile



Equip bracket profile

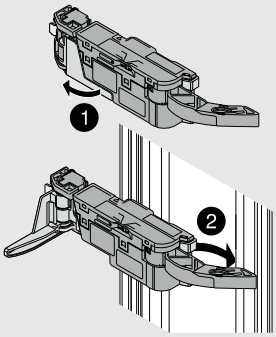


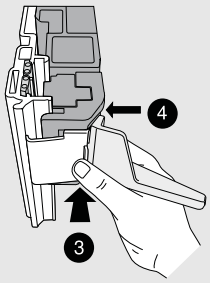
1 bracket profile cable
(for power supply)
2 communications cables

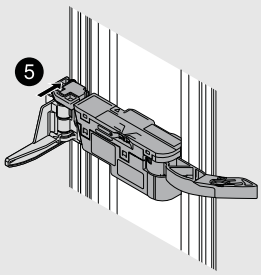


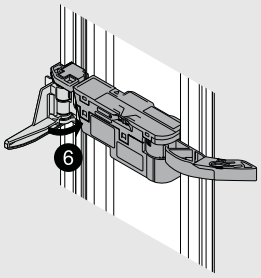
Bracket profile with both cables

Install drive unit

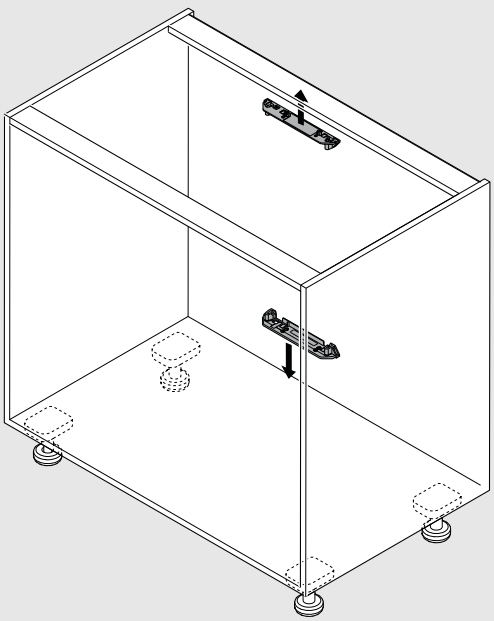




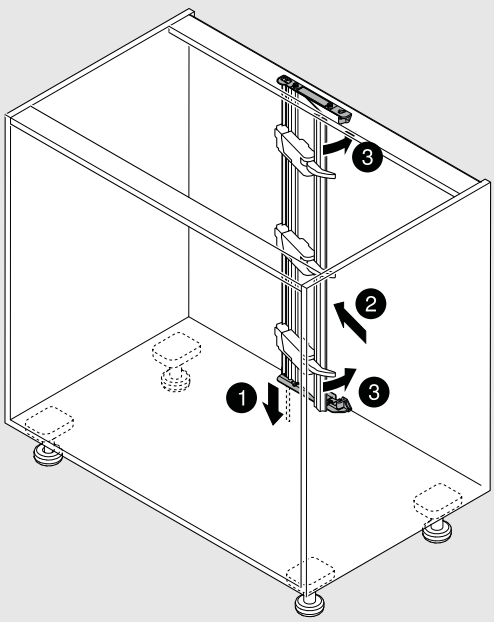




Attach bracket profile

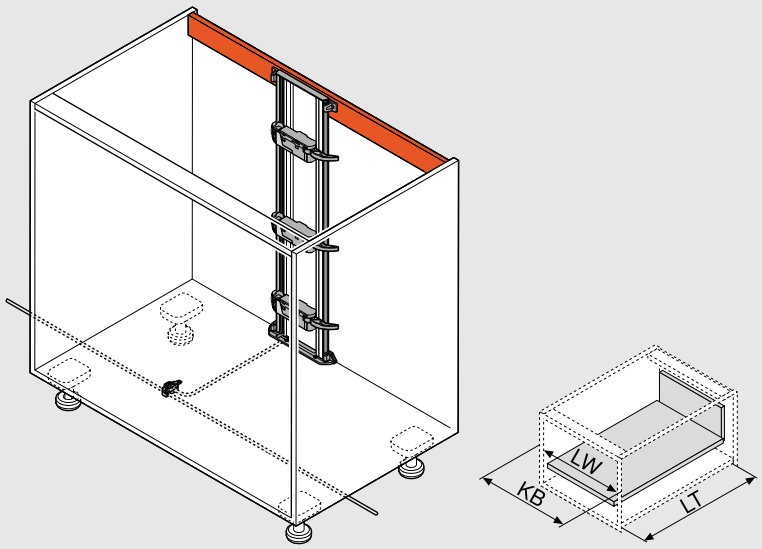


Horizontal cross member



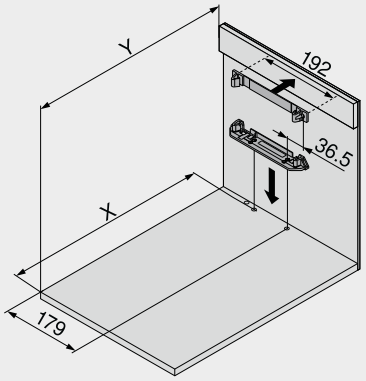
Planning information **Vertical cross member**

Basic element "vertical cross member" – cabinet dimensions

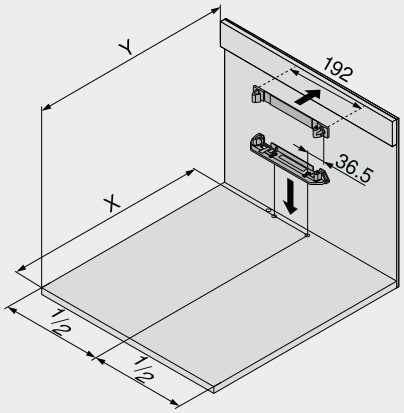


KB	Cabinet width
LW	Inner cabinet width
LT	Internal cabinet depth
NL	Runner system nominal length
X	Drilling position
Y	Min. space requirement

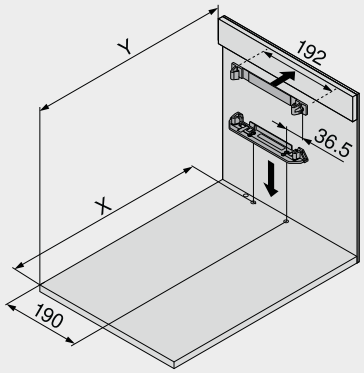
Drilling distance base/cross bar



Cabinet width 275–420 mm



Cabinet width 420 mm and higher



N drawer side with steel back for cabinet width 320–420 mm

Using this assembly position for the bracket profile, both inner pull-out elements as well as those with overlay fronts can be opened by pushing and pulling. For this application situation, the following general dimensions apply:

Space requirement and drilling position for all application situations

	X	Y
Steel back	NL + 2	LT = NL + 17
Chipboard back	NL + 19	LT = NL + 34

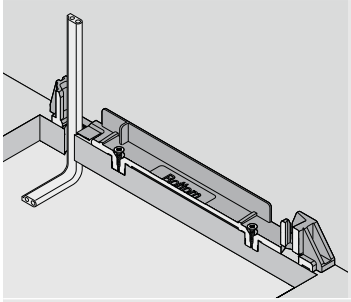
SERVO-DRIVE can also be used if there is less space available. At the assembly position below for the bracket profile, inner pull-out elements can only be opened by pulling (not by pushing).

Min. space requirement and drilling position

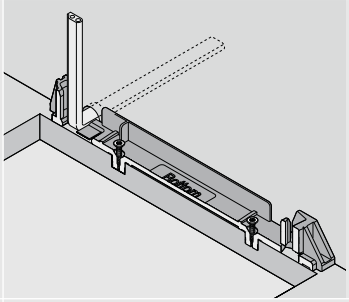
	X	Y
Steel back	NL -1	LT = NL + 14
Chipboard back	NL + 16	LT = NL + 31

Planning information **Vertical cross member**

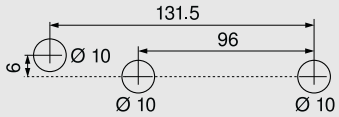
Drilling pattern base

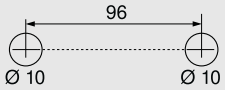


Lower cabling

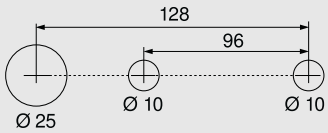


Back cabling





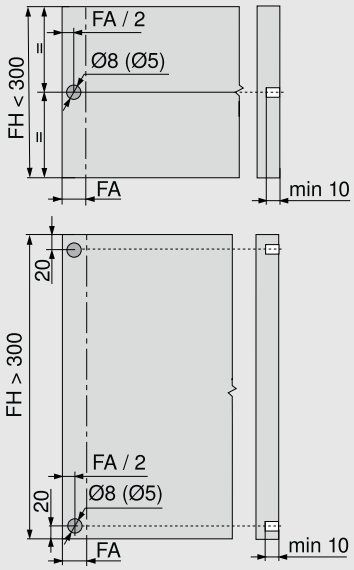
Alternative: Drilling pattern for MINIPRESS and PRO-CENTER



Cabling see page 57

Front assembly: Position of Blum distance bumper

The Blum distance bumper creates and maintains the required trigger path of 2 mm.

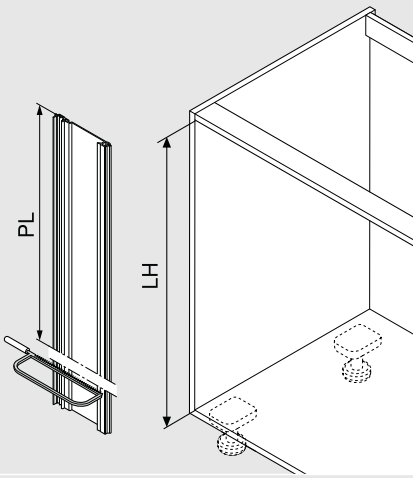


When using a 65 kg runner, always attach 4 Blum distance bumpers.

Use front stabilisation for optimal triggering for front heights > 300 mm.

FA	Front overlay
FH	Front height

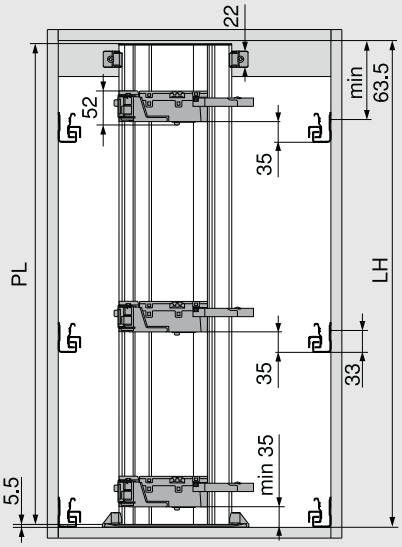
Bracket profile for cutting to size



PL = LH -10 mm

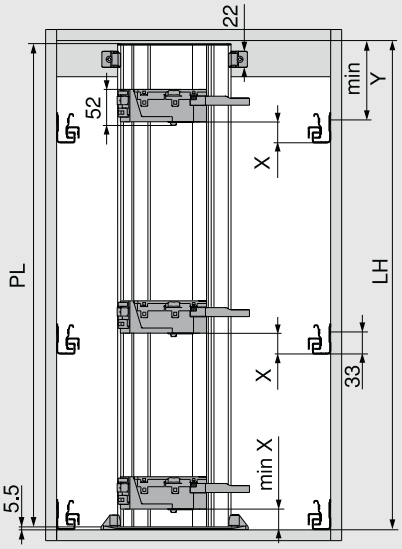
LH	Internal cabinet height
PL	Profile length

Position of drive unit



All back heights except N

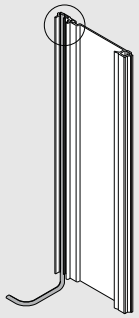
LH	Internal cabinet height
PL	Profile length



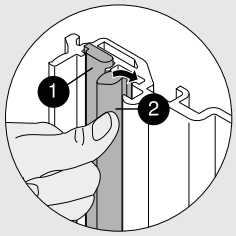
Back height N	KB < 320		KB > 320	
	X	Y	X	Y
Steel back	27.5	48.5	27.5	48.5
Chipboard back	35	55.5	27.5	48.5

Assembly **Vertical cross member**

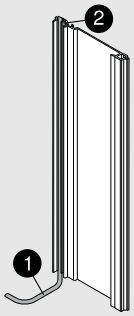
Insert bracket profile cable and/or communications cable into the bracket profile



Equip bracket profile

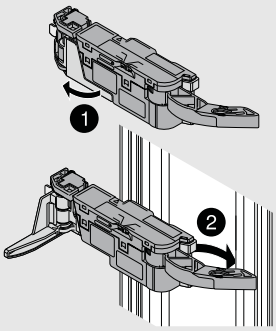


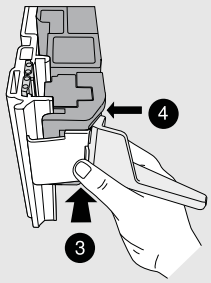
1 bracket profile cable
(for power supply)
2 communications cables

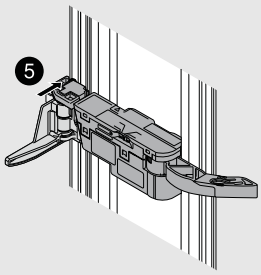


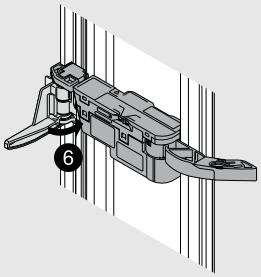
Bracket profile with both cables

Install drive unit

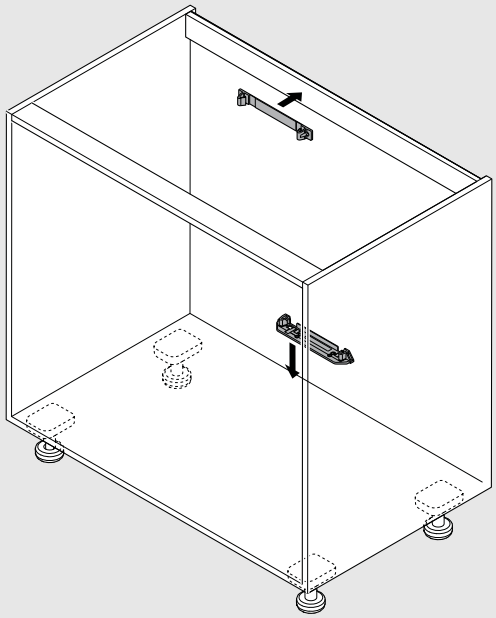




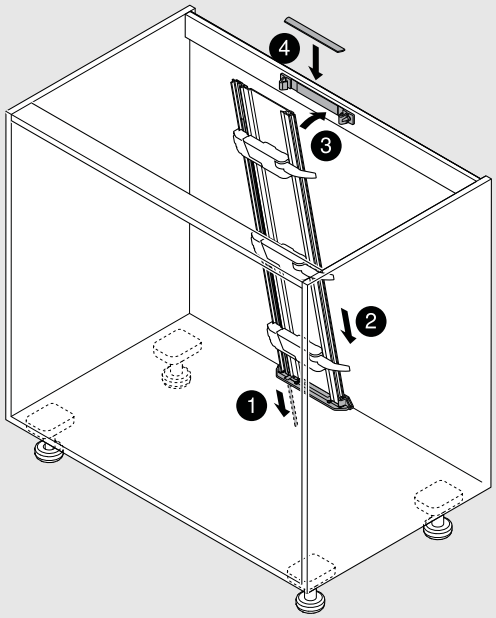




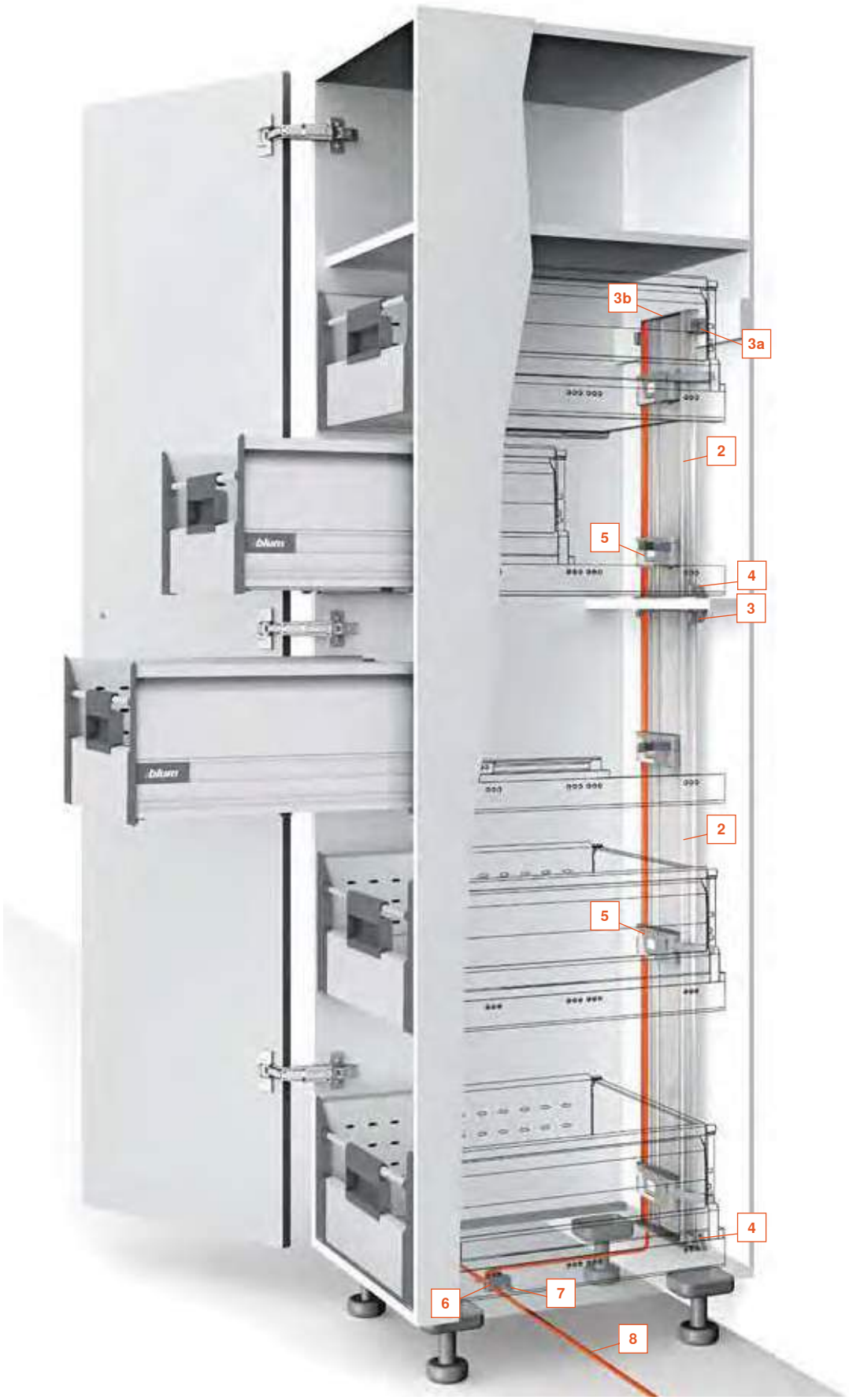
Attach bracket profile



Vertical cross member



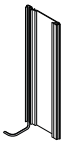
Larder unit



2

Bracket profile

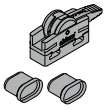
The drive units are attached to the bracket profile. 2 bracket profiles must be used depending on the cabinet height.



6 7

Connecting node + cable end protector

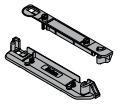
This node establishes the electrical connection between the distribution cable and the bracket profile and/or transformer. The cable end protector is inserted into the “open” end of the cable.



3 4

Bracket profile attachment upper/lower for cabinet construction with horizontal cross members

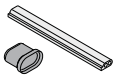
These components are used to attach the lower bracket profile.



8 7

Distribution cable for cutting to size + cable end protector

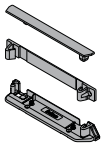
This cable is used to supply the power required by the cabinet elements and/or drive units. The max. permitted operating voltage is 24V. The cable end protector is inserted into the “open” end of the cable.



3a 3b 4

Lower and upper bracket profile attachment with bracket cover cap for fixing to vertical cross members

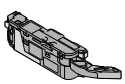
The upper bracket profile is attached to the lower and back bracket profile attachments.



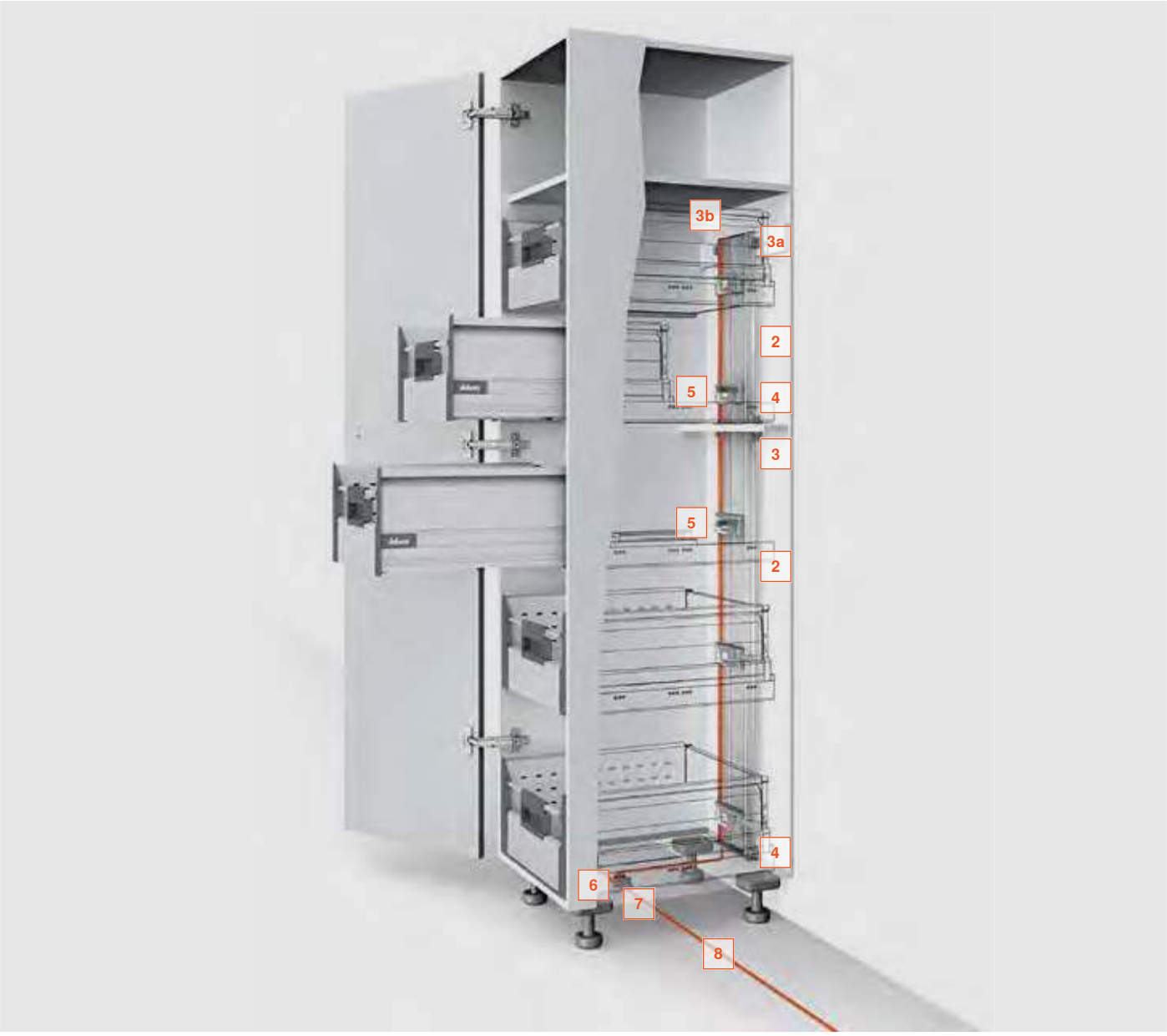
5

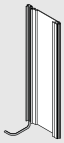
Drive unit

The drive unit opens the pull-out.



Order specification **Larder unit**

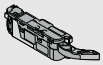


2	Bracket profile	
	Alu – cut to size with attached cables	
	Length 650 mm	Z10T650AA
	Length 700 mm	Z10T700AA
	Length 710 mm	☎ Z10T710AA
	Length 750 mm	Z10T750AA
	Length 800 mm	Z10T800AA
	Length 1170 mm only available without cable	Z10T1170A

3, 4	Bracket profile attachment upper/lower for cabinet construction with horizontal cross members	
	RAL 7037 dust grey	Z10D01E0

3a, 3b, 4	Lower and upper bracket profile attachment with bracket cover cap for cabinet construc-tions with vertical cross members	
	RAL 7037 dust grey	Z10D01EA



5	Drive unit	
	RAL 7037 dust grey	Z10A3000.02

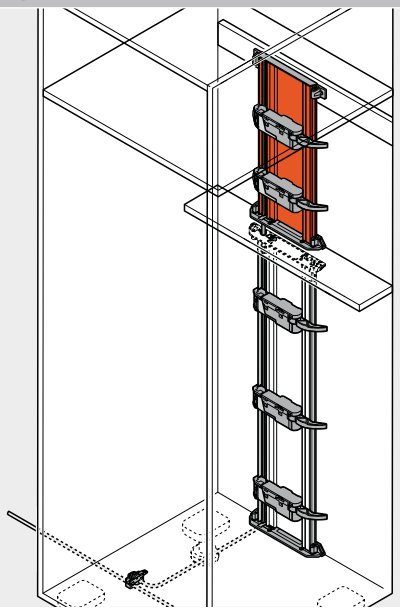
8, 9, 10, 11, 12	Distribution cable, Blum transformer, flex and transformer unit housing
	Page 57

6, 7	Connecting node + cable end protector	
	Black	Z10V100E.01

Planning information **Larder unit**

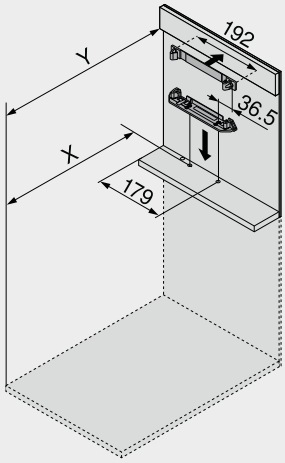
Upper bracket profile: Vertical cross member

"Upper bracket profile" larder unit

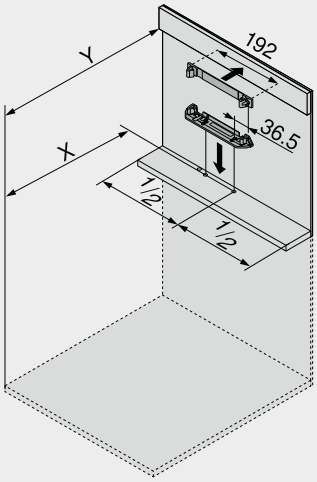


NL	Runner system nominal length
LT	Internal cabinet depth
X	Drilling position
Y	Min. space requirement

Drilling distance base/cross bar



Cabinet width 275–420 mm



Cabinet width 420 mm and higher

Using this assembly position for the bracket profile, both inner pull-out elements as well as those with overlay fronts can be opened by pushing and pulling. For this application situation, the following general dimensions apply:

Space requirement and drilling position for the upper bracket profile for all application situations

	X	Y
Steel back	NL + 2	LT = NL + 17
Chipboard back	NL + 19	LT = NL + 34

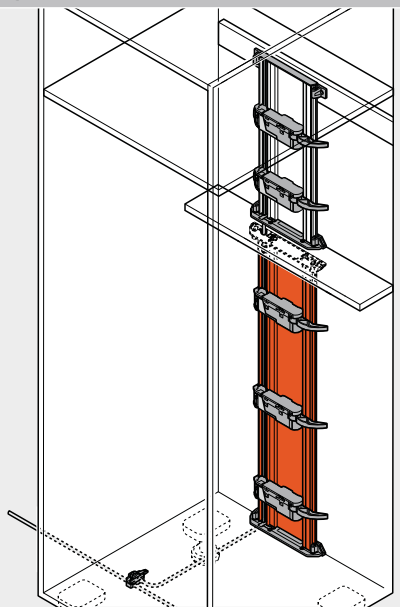
SERVO-DRIVE can also be used if there is less space available. At the assembly position below for the bracket profile, inner pull-out elements can only be opened by pulling (not by pushing).

Min. space requirement and drilling position for the upper bracket profile

	X	Y
Steel back	NL - 1	LT = NL + 14
Chipboard back	NL + 16	LT = NL + 31

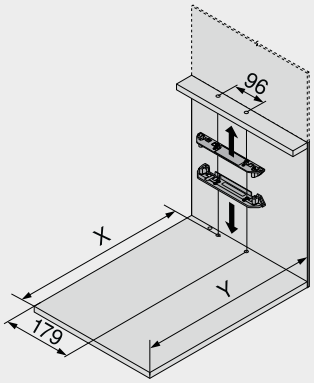
Lower bracket profile: Horizontal cross member

“Lower bracket profile” larder unit

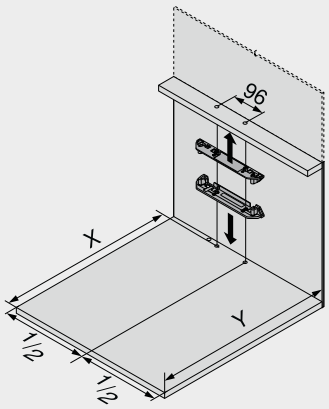


NL	Runner system nominal length
LT	Internal cabinet depth
X	Drilling position
Y	Min. space requirement

Drilling distance base/cross bar



Cabinet width 275–420 mm



Cabinet width 420 mm and higher

Using this assembly position for the bracket profile, both inner pull-out elements as well as those with overlay fronts can be opened by pushing and pulling. For this application situation, the following general dimensions apply:

Space requirement and drilling position for the lower bracket profile for all application situations

	X	Y
Steel back	NL + 2	min LT = NL + 16
Chipboard back	NL + 19	min LT = NL + 33

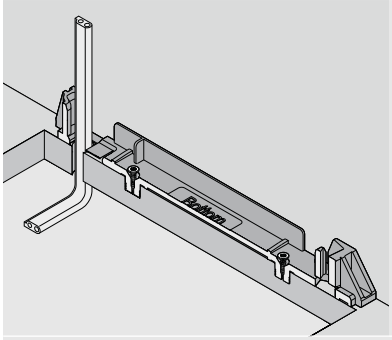
SERVO-DRIVE can also be used if there is less space available. At the assembly position below for the bracket profile, inner pull-out elements can only be opened by pulling (not by pushing).

Min. space requirement and drilling position for the lower bracket profile

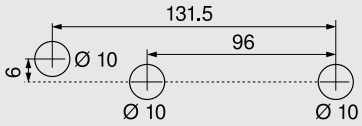
	X	Y
Steel back	NL - 1	min LT = NL + 13
Chipboard back	NL + 16	min LT = NL + 30

Planning information **Larder unit**

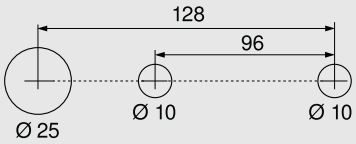
Drilling pattern base

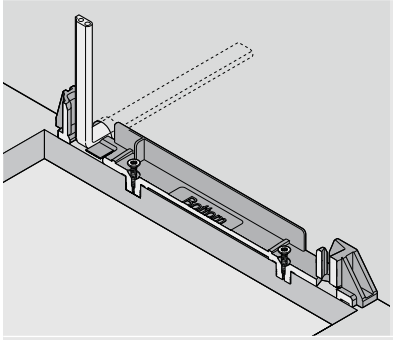


Lower cabling

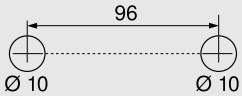


Alternative: Drilling pattern for MINIPRESS and PRO-CENTER



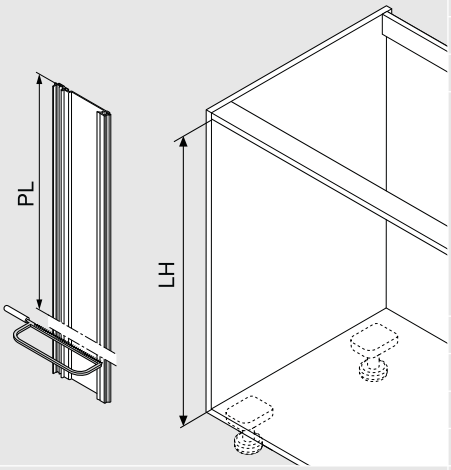


Back cabling



Cabling see page 57

Bracket profile for cutting to size

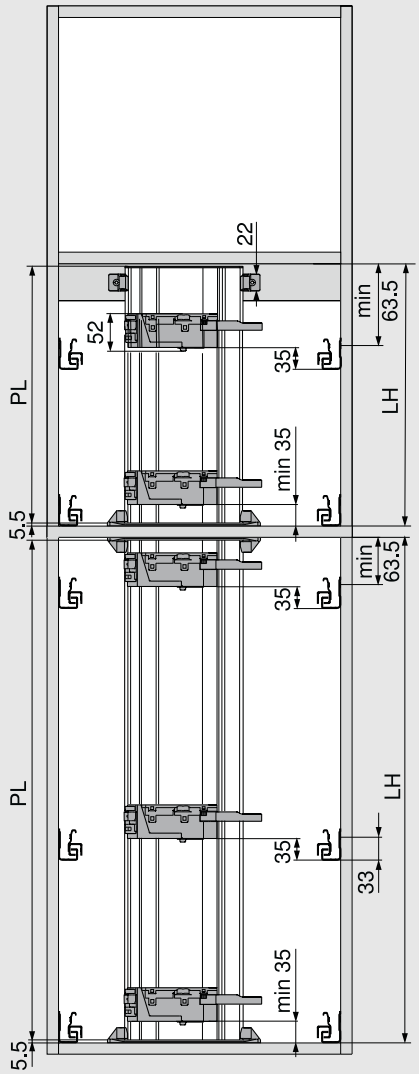


PL = LH -10 mm

PL Profile length

LH internal height

Position of drive unit



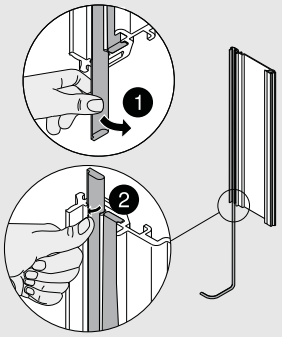
All back heights except N

LH Internal cabinet height

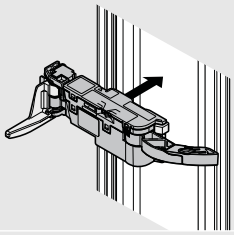
PL Profile length

Assembly **Larder unit**

Bracket profile cable

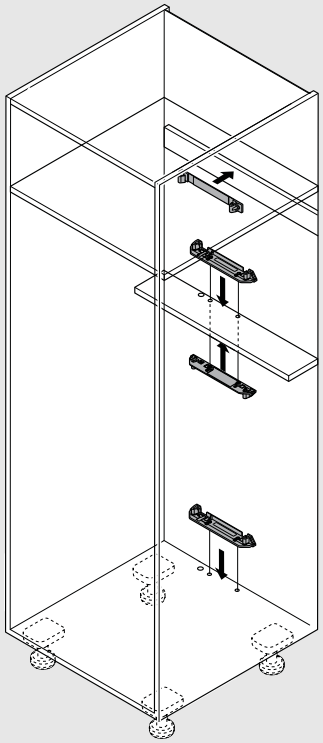


Remove pre-mounted bracket profile cable from both bracket profiles and insert a new, long bracket profile cable in the upper bracket profile.

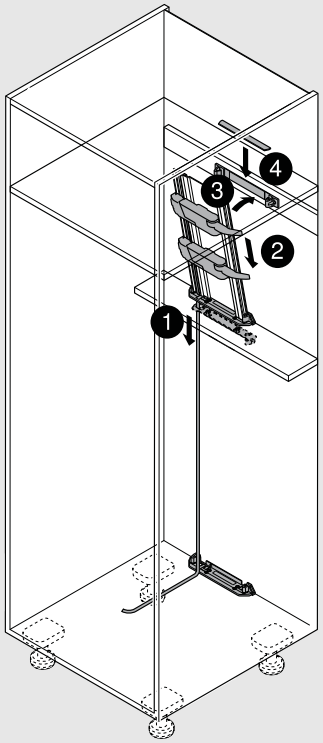


Install drive unit to upper bracket profile.

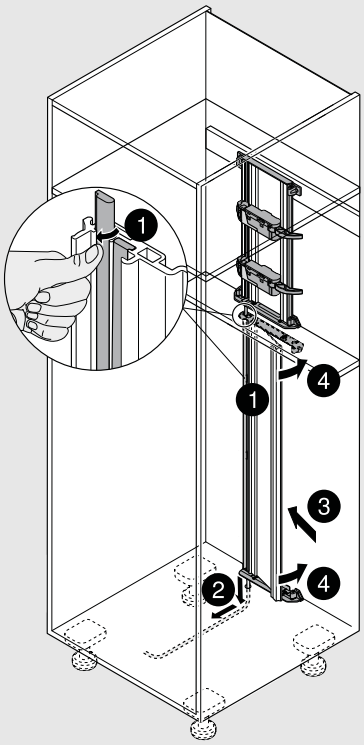
Install bracket profile attachment



Attach upper bracket profile

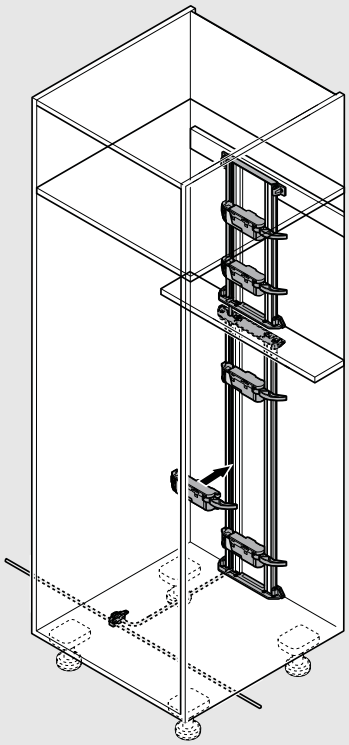


Attach lower bracket profile



Insert long bracket profile cable into the lower bracket profile. Attach lower bracket profile.

Attach drive unit

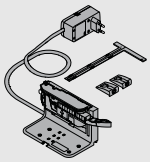
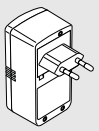
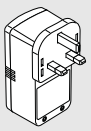
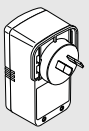
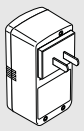
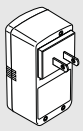


SERVO-DRIVE uno
for **bottom mount waste bin solutions**

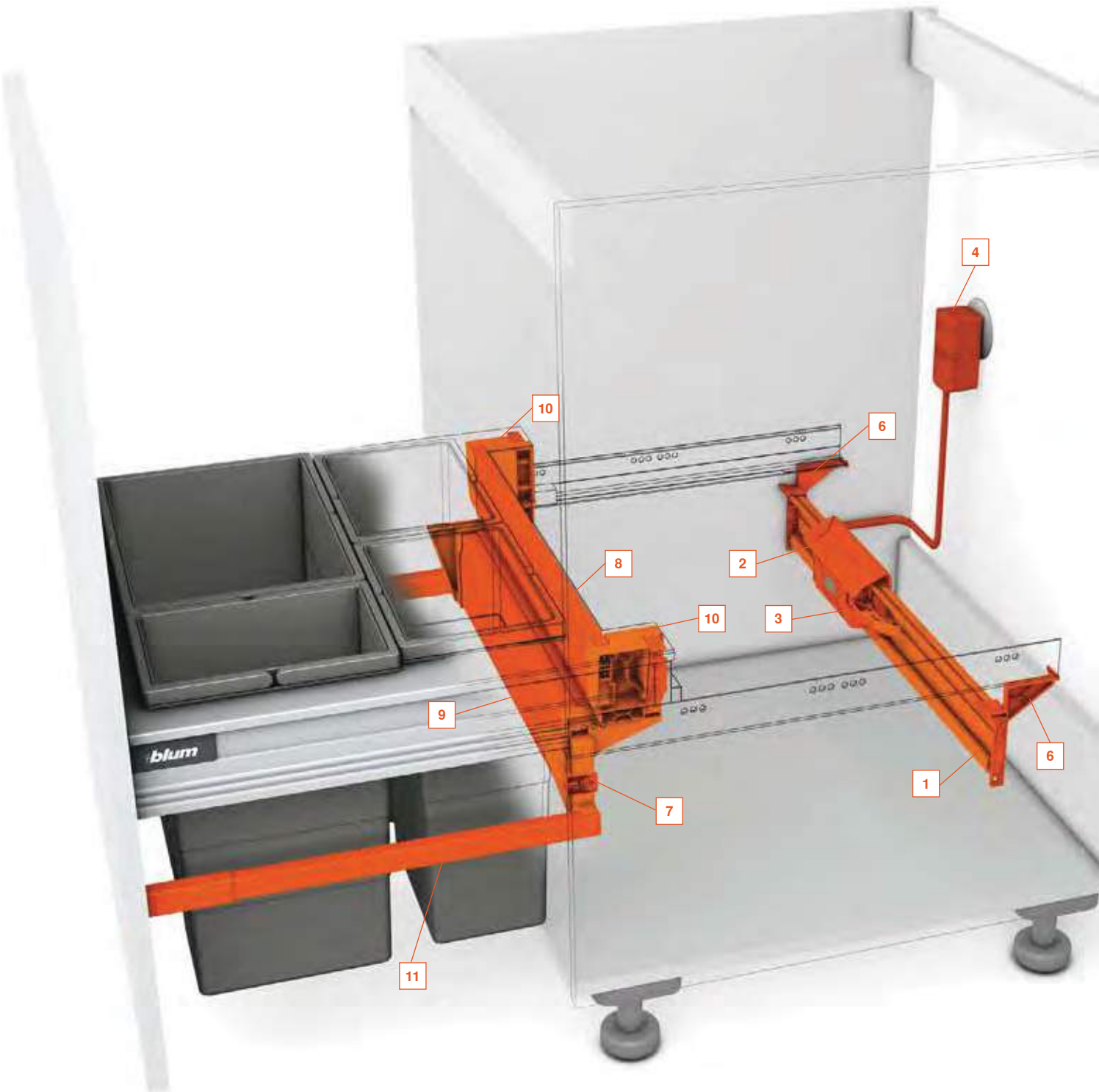


Order specification

SERVO-DRIVE uno assists you to dispose of waste quickly and easily. When your hands are full of kitchen waste, it is extremely practical to be able to open the waste bin pull-out with your hip, knee or foot.

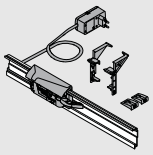
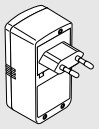
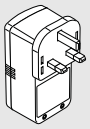
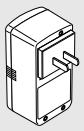
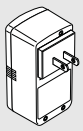
	SERVO-DRIVE unit pre-mounted		
	Network adapter (x)	Language package (y)	
	E  B  K 	A DE, EN, FR, IT, NL	
		B DA, EN, FI, NO, SV	
		C EL, EN, HR, SL, SR, TR	
		D EN, ES, FR, IT, PT	
	N  U 	E CS, HU, PL, SK	
		F BG, ET, LT, LV, RO, RU	
		G EN, ES, FR	
		H EN, ZH	
			Z10NA20xy
	Set consists of:		
1	1 x Attachment bracket		
2	1 x Protection against dripping water		
3	1 x Drive unit		
4	1 x Transport protection		
5	1 x Blum power supply		
6	1 x Instruction leaflet and spare parts form		
7	1 x Blum assembly device (optional)		
8	2 x Blum distance bumper		

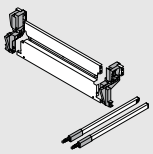
SERVO-DRIVE uno for **top mount waste bin solutions**



Order specification

SERVO-DRIVE uno assists you to dispose of waste quickly and easily. When your hands are full of kitchen waste, it is extremely practical to be able to open the waste bin pull-out with your hip, knee or foot.

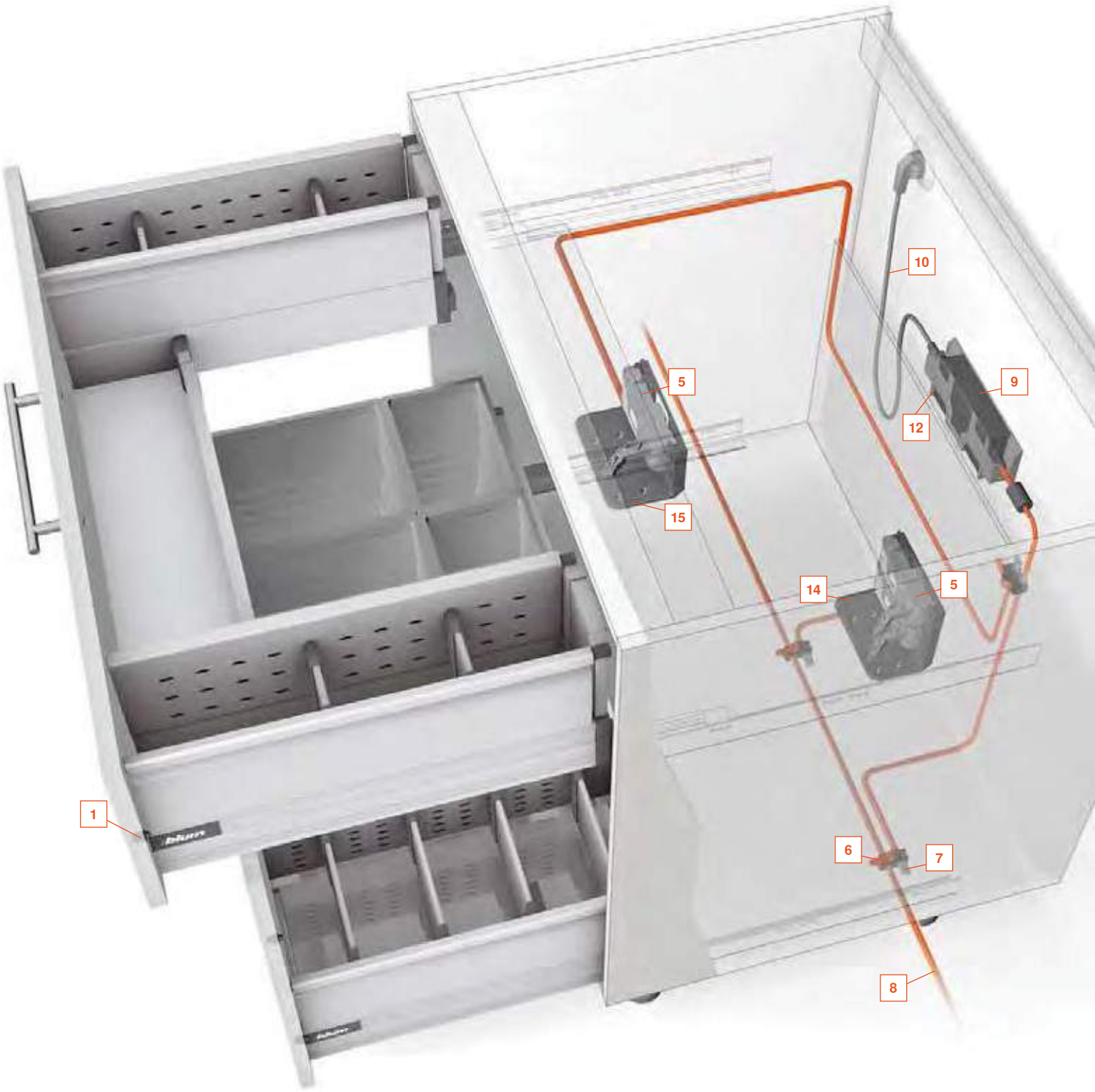
	SERVO-DRIVE unit pre-mounted		
	Network adapter (x) E  B  K  N  U 	Language package (y) **A** DE, EN, FR, IT, NL **B** DA, EN, FI, NO, SV **C** EL, EN, HR, SL, SR, TR **D** EN, ES, FR, IT, PT **E** CS, HU, PL, SK **F** BG, ET, LT, LV, RO, RU **G** EN, ES, FR **H** EN, ZH	
		Cabinet width 550 mm	**Z10T493Wxy**
		Cabinet width 600 mm	**Z10T543Wxy**
		Cabinet width 900 mm	**Z10T843Wxy**
	Set consists of:		
1	1 x Bracket profile horizontal		
2	1 x Protection against dripping water		
3	1 x Drive unit		
4	1 x Blum power supply		
5	1 x Instruction leaflet and spare parts form		
6	2 x Left/right bracket profile attachment		
7	2 x Blum distance bumper		

	Set for hanging waste bin pull-out		
	RAL 9006, white grey	KSD 15/16 mm	KSD 18/19 mm
	Cabinet width 550 mm	**Z30M489S0W**	**Z30M483S0W**
	Cabinet width 600 mm	**Z30M539S0W**	**Z30M533S0W**
	Cabinet width 900 mm	**Z30M839S0W**	**Z30M833S0W**
	Composed of:		
8	1 x Steel back, height M		
9	1 x Steel back for waste bin pull-out		
10	2 x Attachment, left/right		
11	2 x Rectangular longside gallery rail left/right, NL 430 mm		

KSD Cabinet side panel thickness

NL Nominal length

Sink pull-out



1

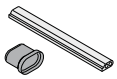
Blum distance bumper



The Blum distance bumper creates and maintains the required trigger path of 2 mm.

8 7

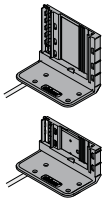
Distribution cable for cutting to size + cable end protector



This cable is used to supply the power required by the cabinet elements and/or drive units. The max. permitted operating voltage is 24V. The cable end protector is inserted into the “open” end of the cable.

14 15

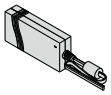
Attachment bracket 2 tier, 1 tier



Attachment brackets can be used when only individual pull-out elements are being operated or when the installation situation does not permit a continuous bracket profile.

9 10

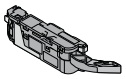
Blum transformer + flex



The Blum transformer can be used worldwide. It converts the county-specific mains voltage to 24V direct current. You must use a flex with a regular plug for the respective country depending on the installation location.

5

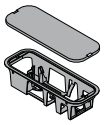
Drive unit



The drive unit opens the pull-out.

12

Transformer unit housing



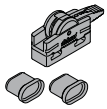
In the “base fixing” transformer unit housing, the transformer is easily secured.



If the transformer is attached to the wall or a vertical panel, then the “wall-fix” version of the transformer unit housing is used.

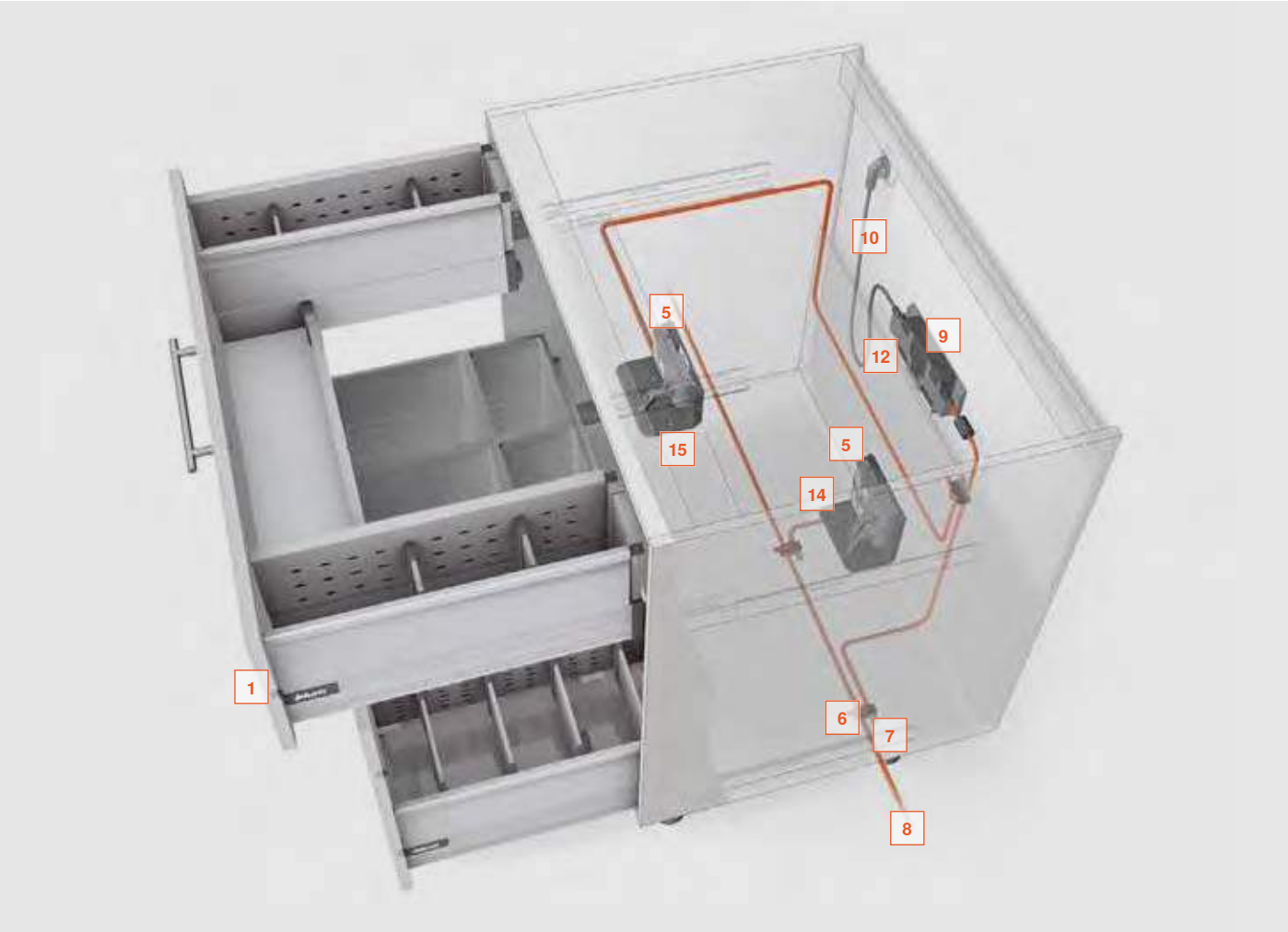
6 7

Connecting node + cable end protector

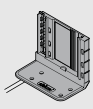


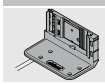
This node establishes the electrical connection between the distribution cable and the bracket profile and/or transformer. The cable end protector is inserted into the “open” end of the cable.

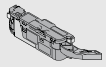
Order specification **Sink pull-out**



1	Blum distance bumper	
	Ø 8 mm	993.0830.01
	Ø 5 mm	993.0530
	Up to front height 300 mm: 2 pcs. per pull-out	
	Front height 300 mm and higher: 4 pcs. per pull-out	
	When using a 65 kg runner, always attach 4 Blum distance bumpers.	

14	Attachment bracket 2 tier	
		
	RAL 7037 dust grey	Z10D7201

15	Attachment bracket 1 tier	
		
	RAL 7037 dust grey	Z10D7101

5	Drive unit	
	RAL 7037 dust grey	Z10A3000.02

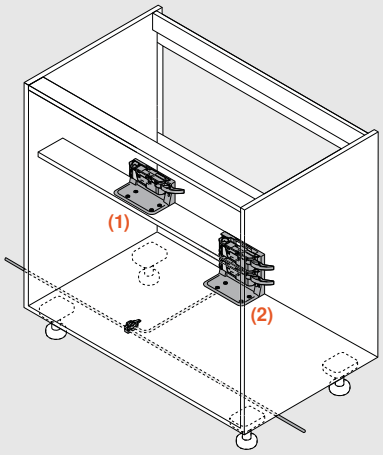
6, 7	Connecting node + cable end protector	
		
	black	Z10V100E.01

17	Front stabilisation	
	RAL 7037 dust grey	Z96.10E1

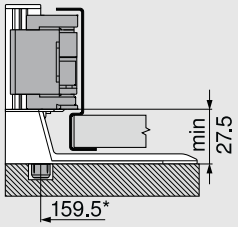
8, 9, 10, 11, 12	Distribution cable, Blum transformer, flex and transformer unit housing
	Page 57

Planning information **Sink pull-out**

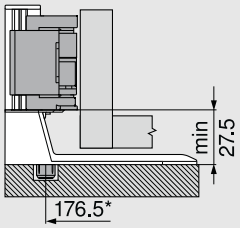
Basic element



(1) Space requirements in cabinet – Attachment bracket 1 tier – Cross member



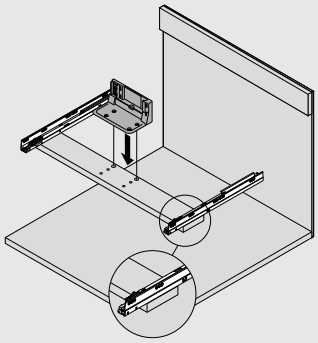
N steel back



Chipboard back

* measured from cabinet front edge

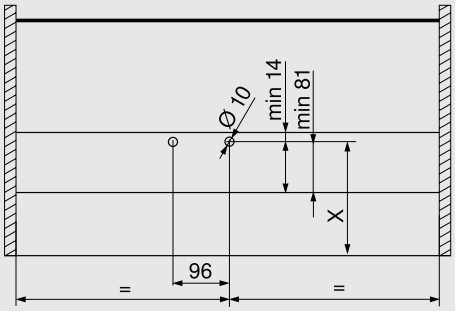
(1) Cross member position



Cabinet width 900 mm and higher

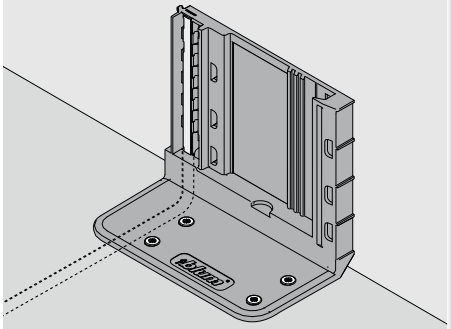
(1) Cross member drilling pattern – Attachment bracket 1 tier

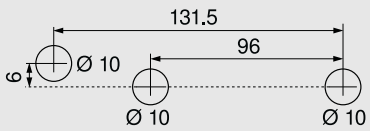
Plan view:

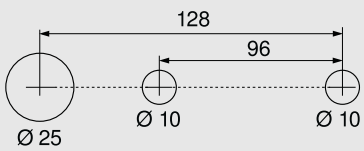


	X	Drilling depth 8 mm
Steel back	159.5	
Chipboard back	176.5	

(2) Base drilling pattern – Attachment bracket 2 tier





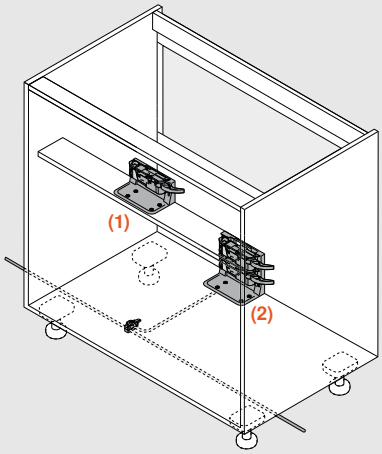


Alternative: Drilling pattern for MINIPRESS and PRO-CENTER

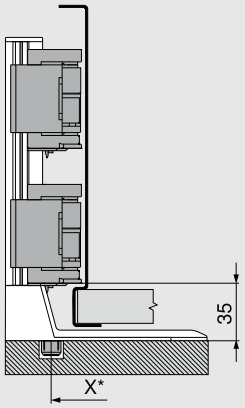
Cabling see page 57

Planning information **Sink pull-out**

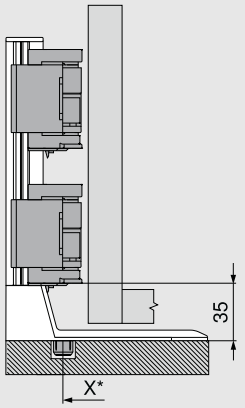
Basic element



(2) Space requirements in cabinet – Attachment bracket 2 tier – Base



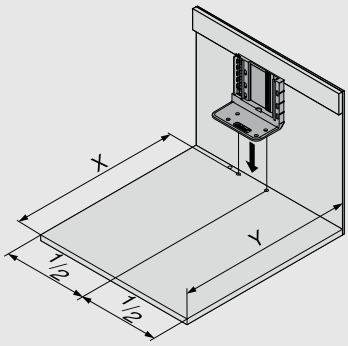
Steel back



Chipboard back

* measured from cabinet front edge

(2) Drilling distances base



Cabinet width 900 mm and higher

Using this assembly position for the attachment bracket, both inner pull-out elements as well as those with overlay fronts can be opened by pushing and pulling. For this application situation, the following general dimensions apply:

Space requirement and drilling position for all application situations

	X	Y
Steel back	NL + 2	min LT = NL + 16
Chipboard back	NL + 19	min LT = NL + 33

SERVO-DRIVE can also be used if there is less space available. At the assembly position below for the attachment bracket, inner pull-out elements can only be opened by pulling (not by pushing).

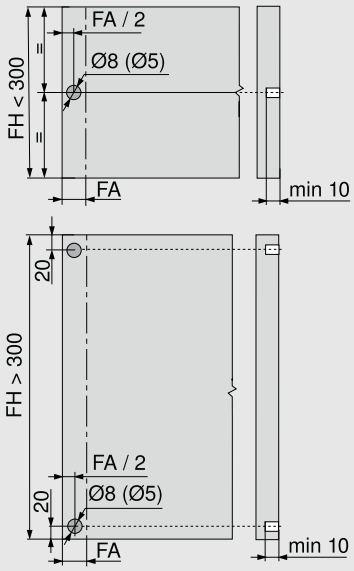
Min. space requirement and drilling position

	X	Y
Steel back	NL - 1	min LT = NL + 13
Chipboard back	NL + 16	min LT = NL + 30

LT	Internal cabinet depth	X	Drilling position
NL	Runner system nominal length	Y	Min. space requirement

Front assembly: Position of Blum distance bumper

The Blum distance bumper creates and maintains the required trigger path of 2 mm.



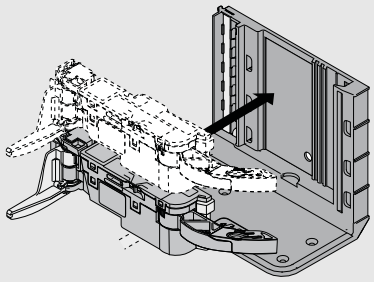
When using a 65 kg runner, always attach 4 Blum distance bumpers.

Use front stabilisation for optimal triggering for front heights > 300 mm.

FA	Front overlay
FH	Front height

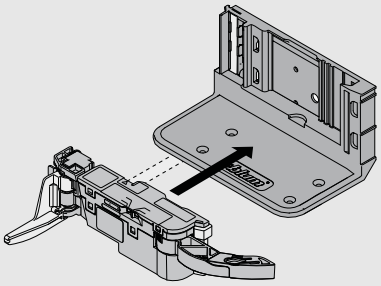
Assembly **Sink pull-out**

Sink cabinet – Drive unit



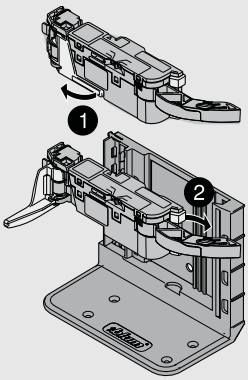
Attachment bracket 2 tier

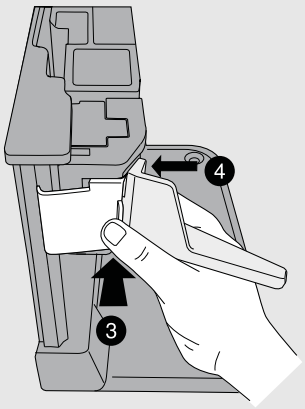
A 2nd drive unit can also be installed (optional).

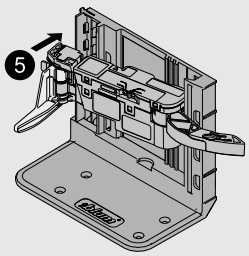


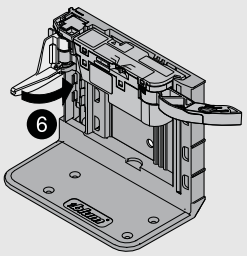
Attachment bracket 1 tier

Install drive unit to attachment bracket









Cabinet with individual pull-out element

Bracket profile horizontal



1

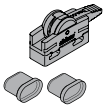
Blum distance bumper



The Blum distance bumper creates and maintains the required trigger path of 2 mm.

6 7

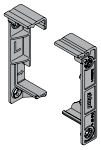
Connecting node + cable end protector



This node establishes the electrical connection between the distribution cable and the bracket profile and/or transformer.
The cable end protector is inserted into the “open” end of the cable.

18

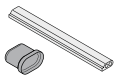
Bracket profile attachment for bracket profile horizontal



These components are used to attach the horizontal bracket profile.

8 7

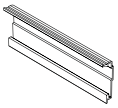
Distribution cable for cutting to size + cable end protector



This cable is used to supply the power required by the cabinet elements and/or drive units. The max. permitted operating voltage is 24V. The cable end protector is inserted into the “open” end of the cable.

19

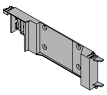
Bracket profile horizontal



The drive unit is attached to the bracket profile.

20

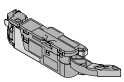
Bracket profile adapter for drive unit



This adapter is used to position the drive unit on the bracket profile.

5

Drive unit



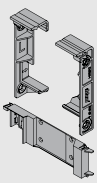
The drive unit opens the pull-out.

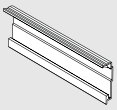
Order specification
Cabinet with individual pull-out element

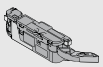
Bracket profile horizontal



1	Blum distance bumper	
	Ø 8 mm	993.0830.01
	Ø 5 mm	993.0530
	Up to front height 300 mm: 2 pcs. per pull-out	
	Front height 300 mm and higher: 4 pcs. per pull-out	
	When using a 65 kg runner, always attach 4 Blum distance bumpers	

18, 20	Left/Right bracket profile attachment and bracket profile adapter for bracket profile horizontal	
	RAL 7037 dust grey	
		Z10D5210
	Chipboard screws and system screws can be used	

19	Bracket profile horizontal	
	Alu	
	Can be cut to size	Z10T1143B
	For cabinet widths 275–1.200 mm	

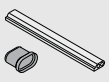
5	Drive unit	
	RAL 7037 dust grey	
		Z10A3000.02

5a	Trigger guide	
	RAL 7037 dust grey	
		Z10A3H00
	For cabinet widths 275–320 mm in combination with a chipboard back	



6, 7	Connecting node + cable end protector	
		
	black	Z10V100E.01

17	Front stabilisation	
		
	RAL 7037 dust grey	Z96.10E1

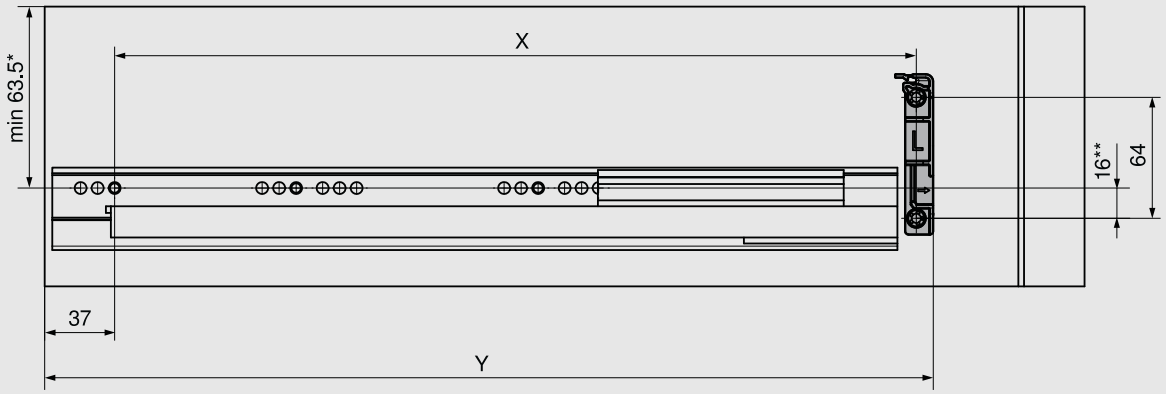
8, 7	Distribution cable for cutting to size + cable end protector	
		
	Electrical cable length 8 m with 5 pcs cable end protector	Z10K800AE
	Can be used as a distribution cable, bracket profile cable, communication cable	

8, 9, 10, 11, 12	Distribution cable, Blum transformer, flex and transformer unit housing	
	Page	57

Planning Information
Cabinet with individual pull-out element

Bracket profile horizontal

Space requirements in cabinet



* 55.5 for back height N

** 23.5 for back height N

Chipboard screws and system screws can be used

Using this assembly position for the bracket profile, both inner pull-out elements as well as those with overlay fronts can be opened by pushing and pulling.
For this application situation, the following general dimensions apply:

Space requirement and drilling position for all application situations

	X	Y
Steel back	NL - 26	min LT = NL + 20
Chipboard back	NL - 9	min LT = NL + 37

SERVO-DRIVE can also be used if there is less space available. At the assembly position below for the bracket profile, inner pull-out elements can only be opened by pulling (not by pushing).

Min. space requirement and drilling position

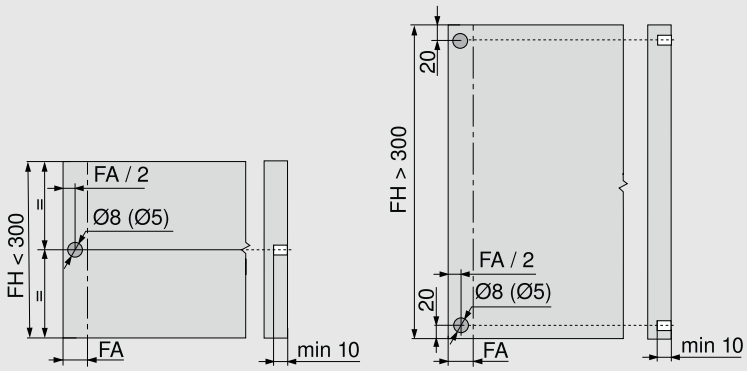
	X	Y
Steel back	NL - 29	min LT = NL + 17
Chipboard back	NL - 12	min LT = NL + 34

NL	Runner system nominal length
LT	Internal cabinet depth
X	Drilling position
Y	Min. space requirement

Cabling see page 57

Front assembly: Position of Blum distance bumper

The Blum distance bumper creates and maintains the required trigger path of 2 mm



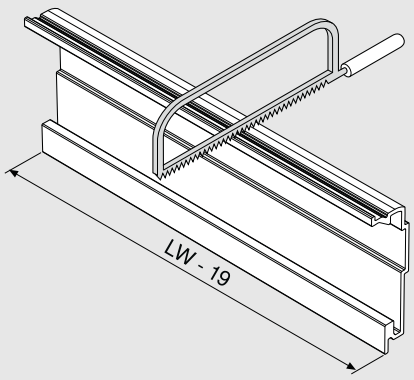
When using a 65 kg runner, always attach 4 Blum distance bumpers.

Use front stabilisation for optimal triggering for front heights > 300 mm.

FA Front overlay

FH Front height

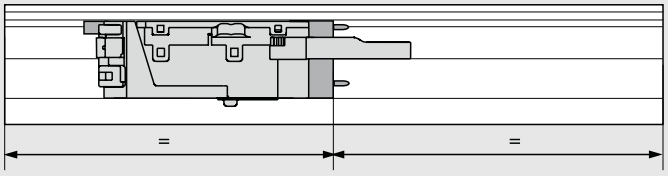
Bracket profile for cutting to size



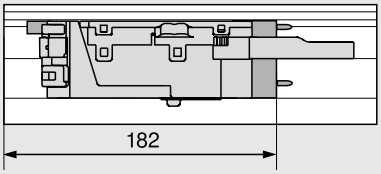
Cutting dimensions for the bracket profile horizontal

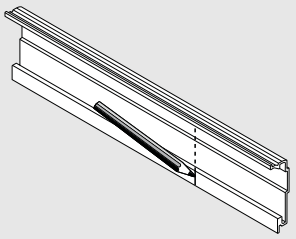
LW Internal width

Position of the drive unit on the bracket profile



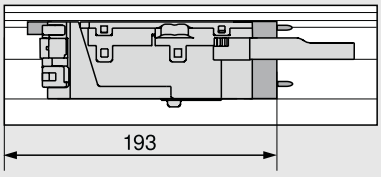
Cabinet width ≥ 420–1.200 mm





Cabinet width 275–420 mm

Back height N

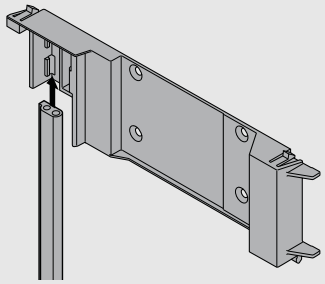


N drawer side with steel back for cabinet width 275–420 mm

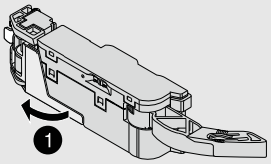
Assembly
Cabinet with individual pull-out element

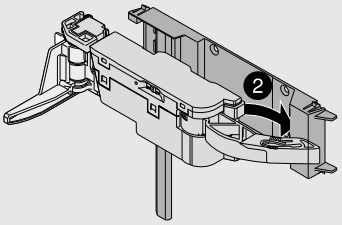
Bracket profile horizontal

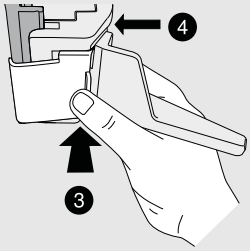
Insert bracket profile cable into the bracket profile adapter for the drive unit

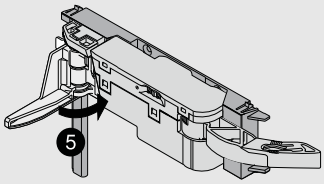


Clip drive unit on to bracket profile adapter

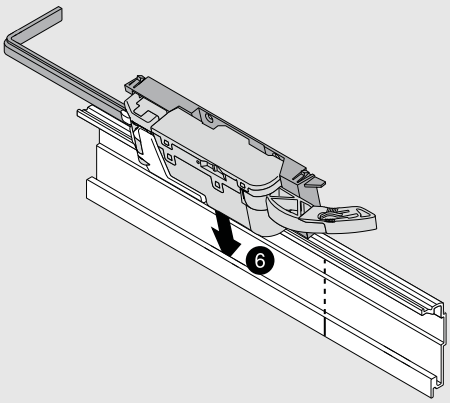


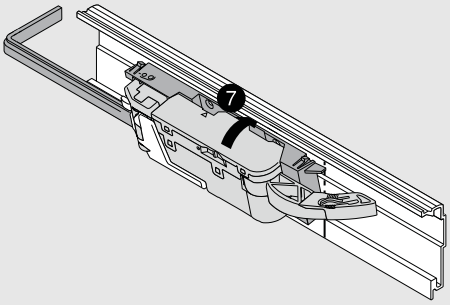


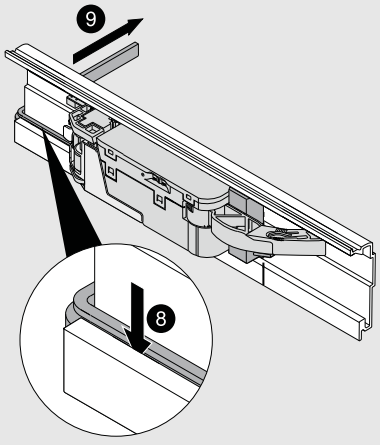




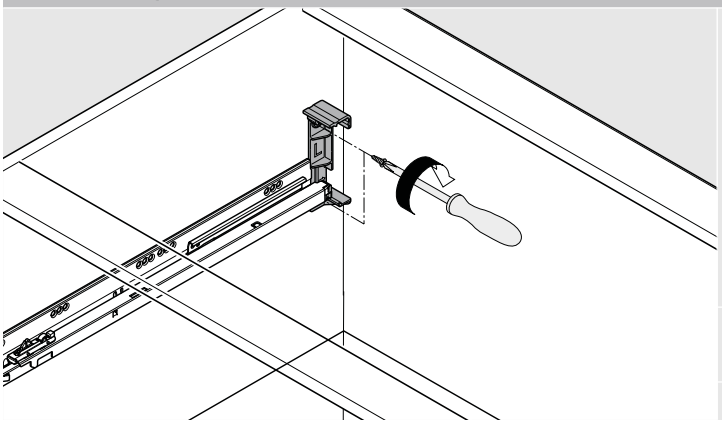
Install bracket profile adapter with drive unit to bracket profile horizontal





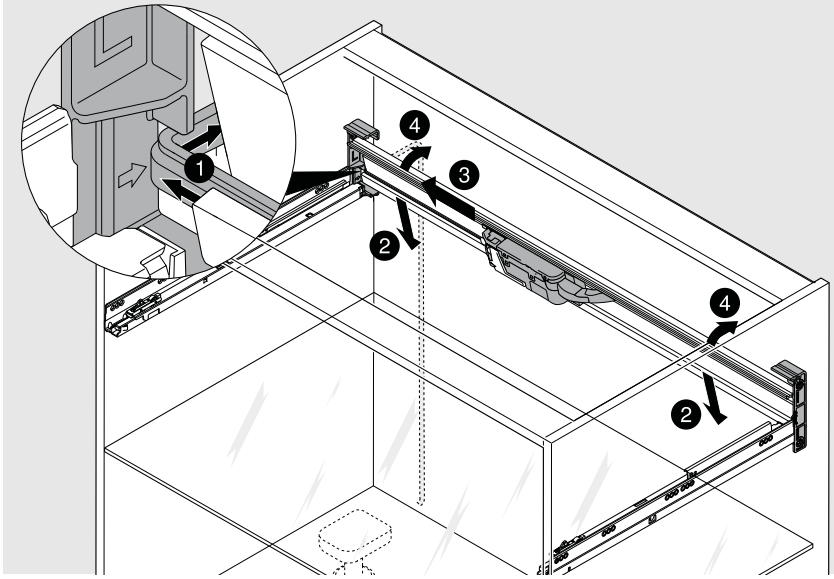


Install bracket profile attachment



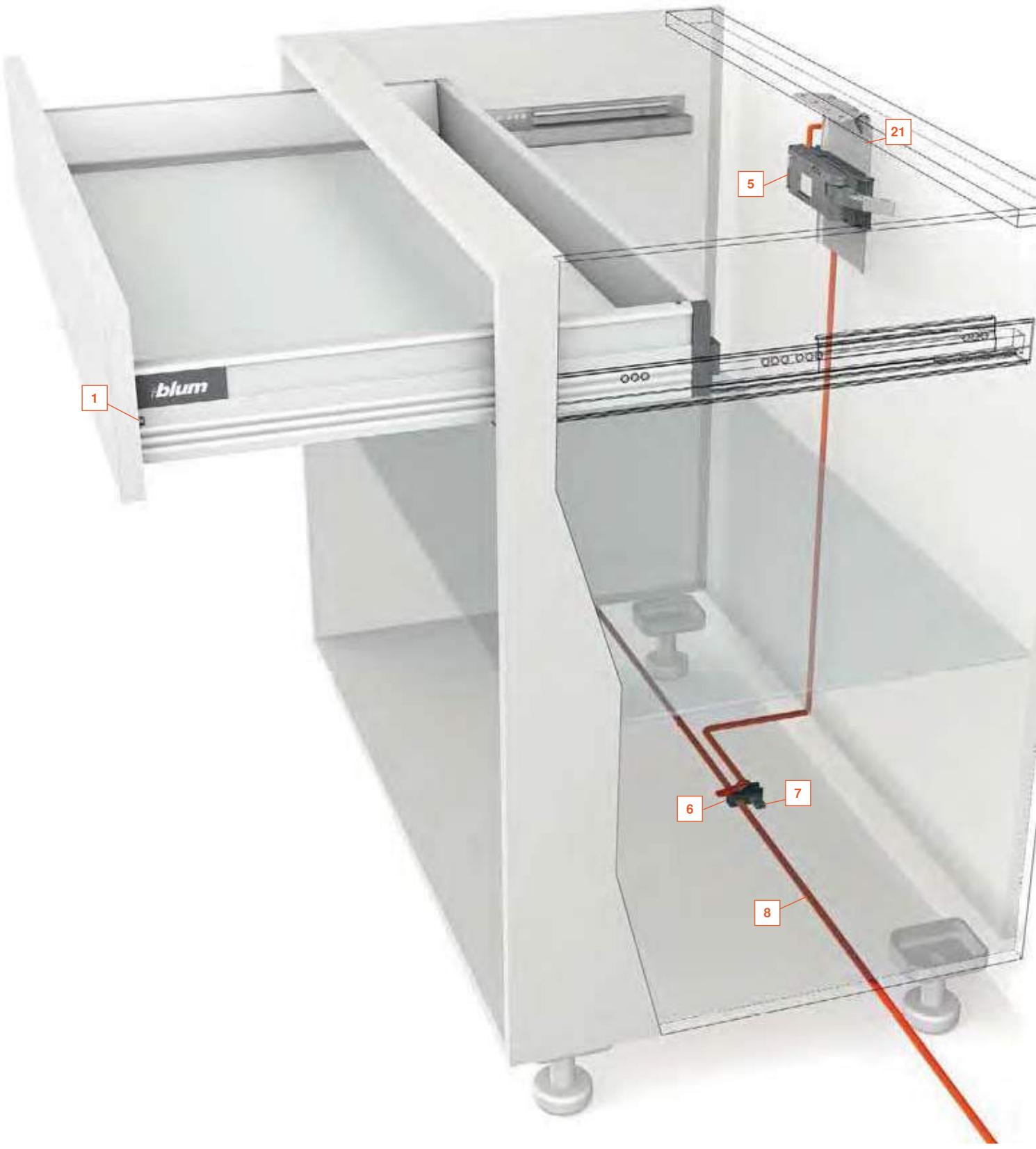
Chipboard screws and system screws can be used

Install bracket profile horizontal in bracket profile attachment



Cabinet with individual pull-out element

Upper attachment bracket



1

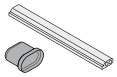
Blum distance bumper



The Blum distance bumper creates and maintains the required trigger path of 2 mm.

8 7

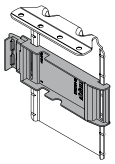
Distribution cable for cutting to size + cable end protector



This cable is used to supply the power required by the cabinet elements. The max. permitted operating voltage is 24V. The cable end protector is inserted into the “open” end of the cable.

21

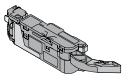
Upper attachment bracket with pre-mounted adapter for drive unit



Secure the drive unit to the adapter for the upper attachment bracket.

5

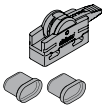
Drive unit



The drive unit opens the pull-out.

6 7

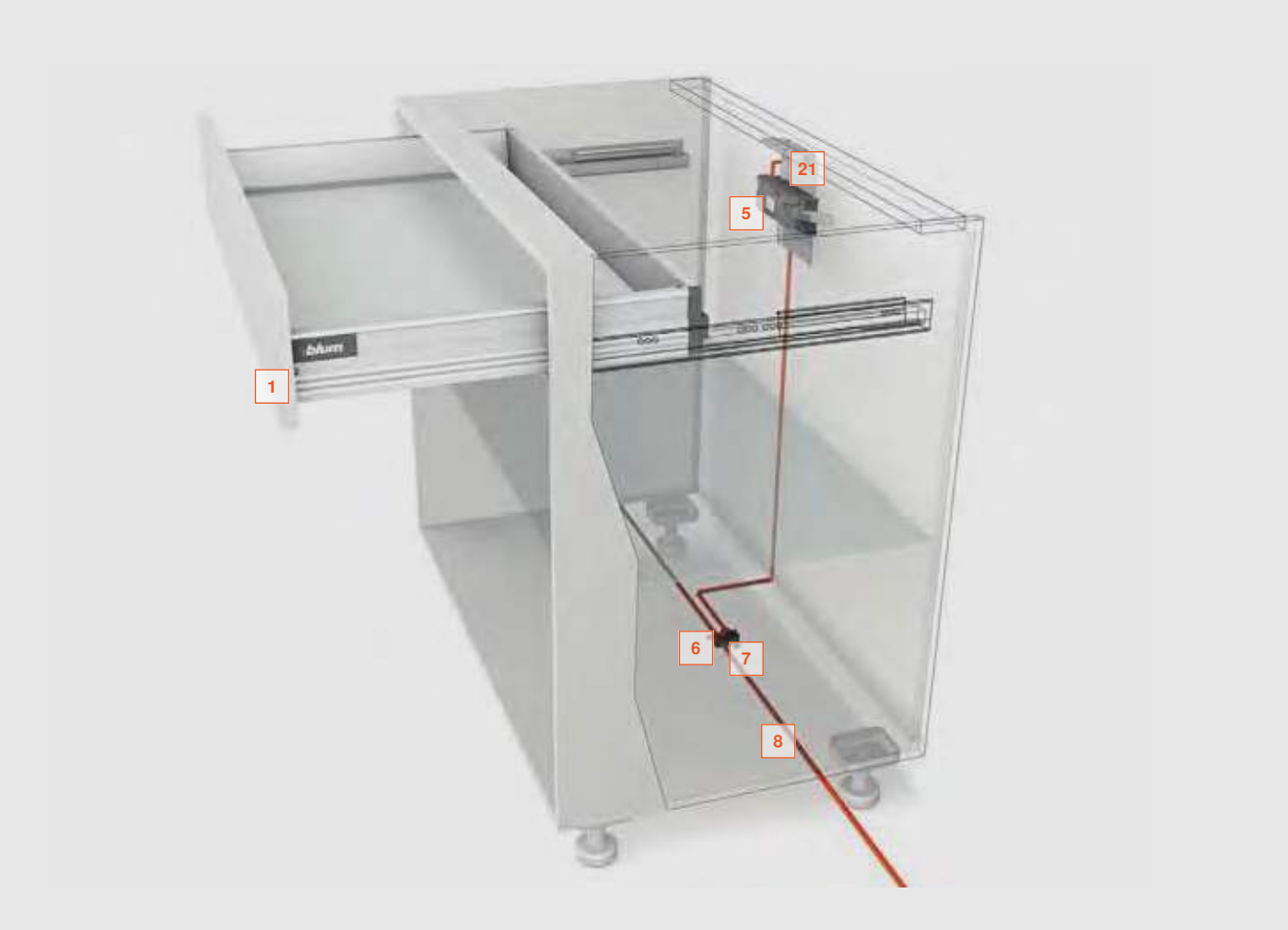
Connecting node + cable end protector



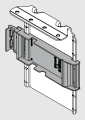
This node establishes the electrical connection between the distribution cable and the bracket profile and/or transformer. The cable end protector is inserted into the “open” end of the cable.

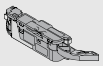
Order specification
Cabinet with individual pull-out element

Upper attachment bracket



1	Blum distance bumper	
	Ø 8 mm	993.0830.01
	Ø 5 mm	993.0530
	Up to front height 300 mm: 2 pcs. per pull-out	
	Front height 300 mm and higher: 4 pcs. per pull-out	
	When using a 65 kg runner, always attach 4 Blum distance bumpers	

21	Upper attachment bracket	
	with pre-mounted adapter for the drive unit	Z10D6252
	RAL 7037 dust grey	

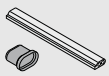
5	Drive unit	
	RAL 7037 dust grey	Z10A3000.02

5a	Trigger guide	
	RAL 7037 dust grey	Z10A3H00
	For cabinet widths 275–320 mm in combination with a chipboard back	



6, 7	Connecting node + cable end protector	
		
	Black	Z10V100E.01

17	Front stabilisation	
		
	RAL 7037 dust grey	Z96.10E1

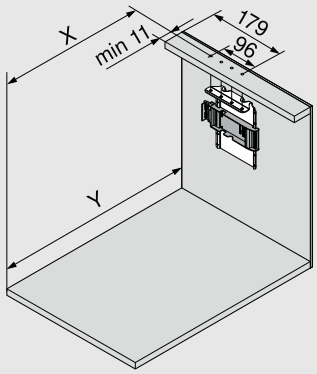
8, 7	Distribution cable for cutting to size + cable end protector	
		
	Electrical cable length 8 m with 5 pcs cable end protector	Z10K800AE
	Can be used as a distribution cable, bracket profile cable, communication cable	

8, 9, 10, 11, 12	Distribution cable, Blum transformer, flex and transformer unit housing	
	Page	57

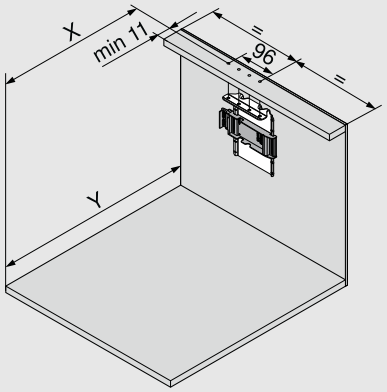
Planning Information
Cabinet with individual pull-out element

Upper attachment bracket

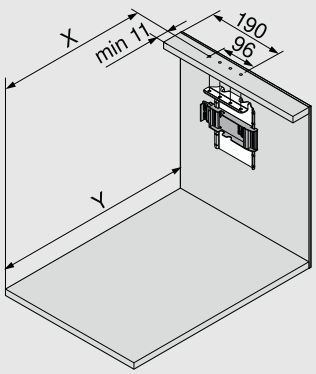
Space requirements in cabinet



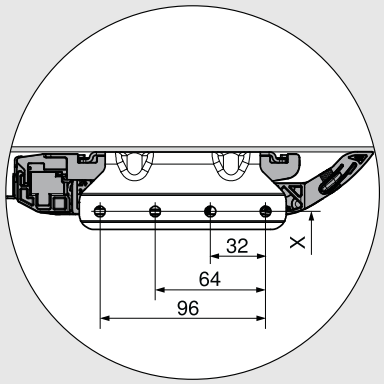
Cabinet width 275 - 420 mm



Cabinet width 420 mm and higher



N drawer side with steel back for cabinet width 320–420 mm



Using this assembly position for the upper attachment bracket, both inner pull-out elements as well as those with overlay fronts can be opened by pushing and pulling. For this application situation, the following general dimensions apply:

Space requirement and drilling position for all application situations

	X	Y
Steel back	NL - 18	min LT = NL + 16.5
Chipboard back	NL - 1	min LT = NL + 33.5

SERVO-DRIVE can also be used if there is less space available. At the assembly position below for the upper attachment bracket, inner pull-out elements can only be opened by pulling (not by pushing).

Min. space requirement and drilling position

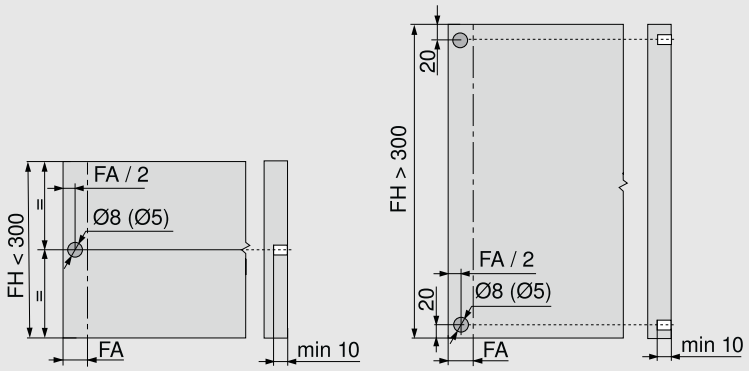
	X	Y
Steel back	NL - 21	min LT = NL + 13.5
Chipboard back	NL - 4	min LT = NL + 30.5

NL	Runner system nominal length
LT	Internal cabinet depth
X	Drilling position
Y	Min. space requirement

Cabling see page 57

Front assembly: Position of Blum distance bumper

The Blum distance bumper creates and maintains the required trigger path of 2 mm.



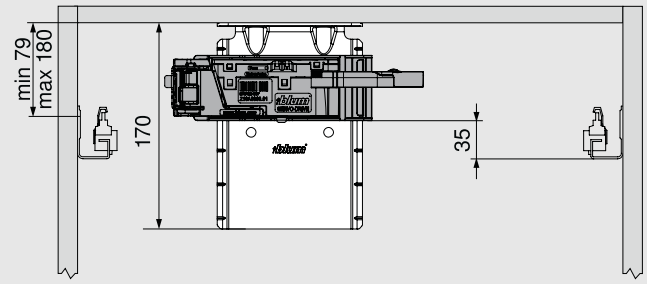
When using a 65 kg runner, always attach 4 Blum distance bumpers.

Use front stabilisation for optimal triggering for front heights > 300 mm.

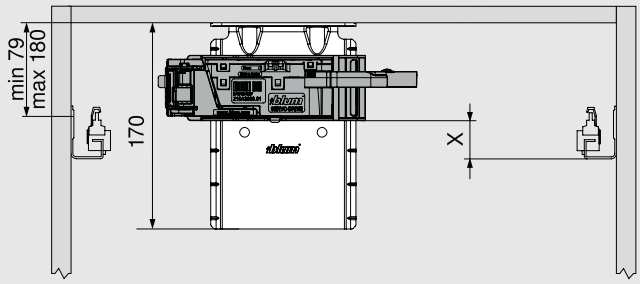
FA Front overlay

FH Front height

Position of drive unit



All back heights except N



Back height N

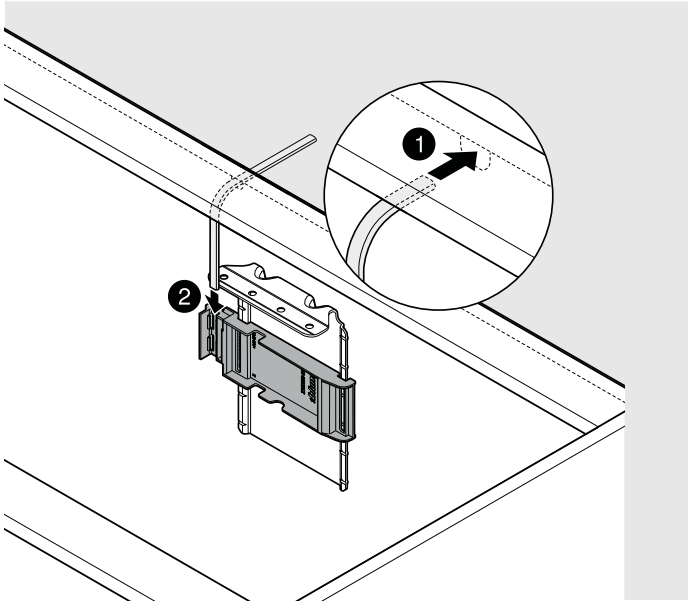
KB Cabinet width

	KB 275–320	Start. with KB 320
	X	X
Steel back	27.5	27.5
Chipboard back	35	27.5

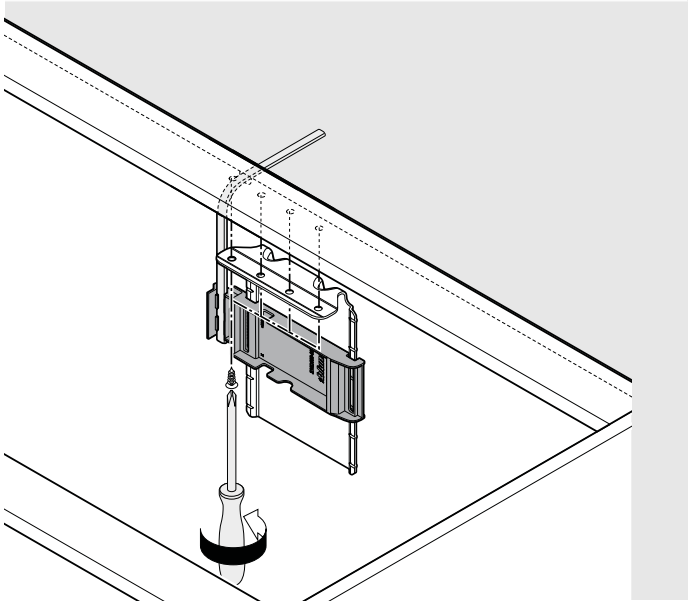
Assembly
Cabinet with individual pull-out element

Upper attachment bracket

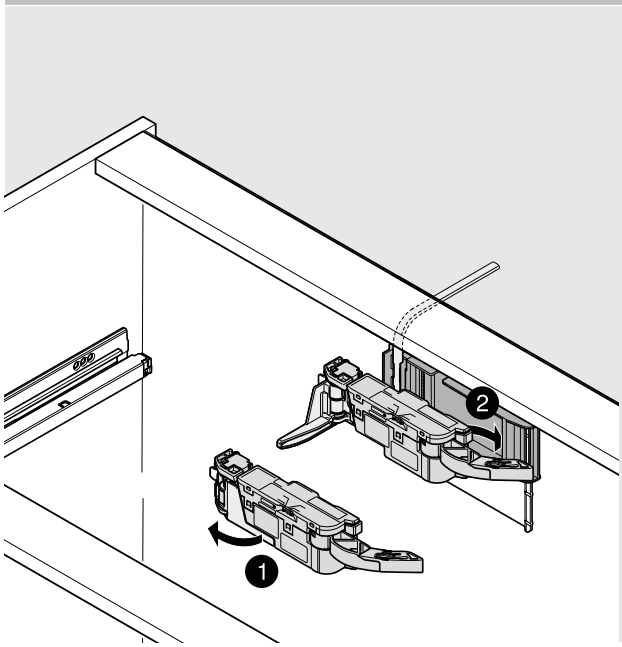
Run cable

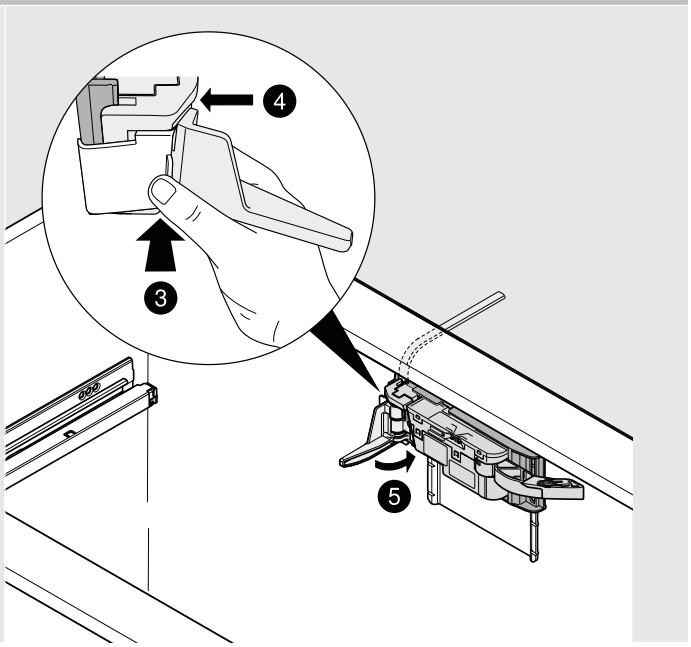


Screw on attachment bracket

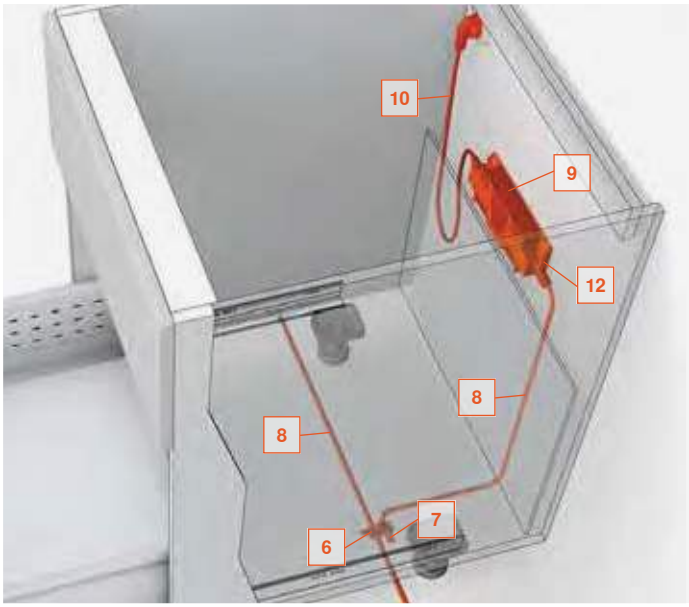


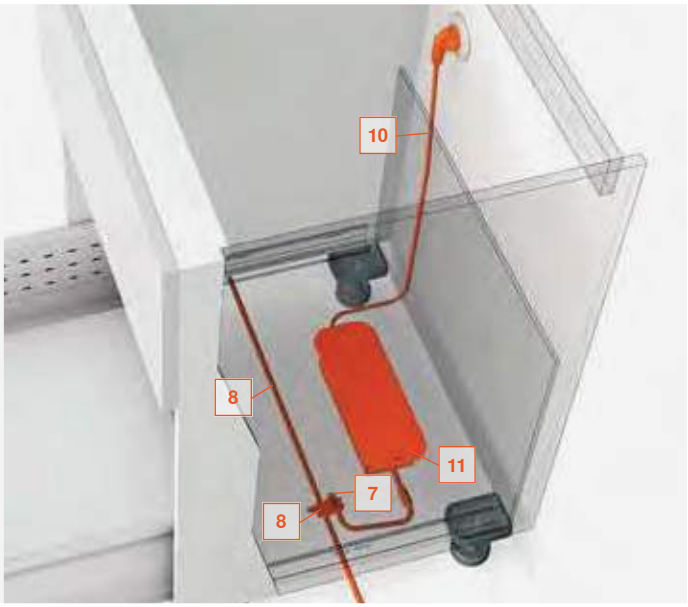
Install drive unit to adapter



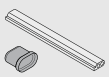


Order specification
Blum transformer and accessories

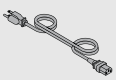


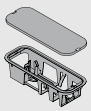


6, 7	Connecting node + cable end protector	
	black	
		Z10V100E.01

8, 7	Distribution cable for cutting to size + cable end protector	
	Electrical cable length 8 m with 5 pcs cable end protector	
		Z10K800AE
	Can be used as a distribution cable, bracket profile cable, communication cable	

9	Blum transformer	
	72 W	
	Language packages Installation instructions and instruction leaflet	
	A DE, EN, FR, IT, NL	Z10NE020A
	B DA, EN, FI, NO, SV	Z10NE020B
	C EL, EN, HR, SL, SR, TR	Z10NE020C
	D EN, ES, FR, IT, PT	Z10NE020D
	E CS, HU, SK, PL	Z10NE020E
	F BG, ET, LT, LV, RO, RU	Z10NE020F
	G EN, ES, FR, (US, CA)	Z10NE020G
	H EN, ZH	Z10NE020H

10	Flex	
	Countries	
	Flex Europe	Z10M200E
	Flex CH	Z10M200C
	Flex US, CA	Z10M200U
	Flex JP	Z10M200J
	Flex BR	Z10M200S.01
	Flex UK	Z10M200B
	Flex DK	Z10M200D
	Flex IL	Z10M200I
	Flex AU	Z10M200K
	Flex CN	Z10M200N
	Flex AR	Z10M200A
	Flex IN	Z10M200H
	Flex CL	Z10M200L
	Flex TW	Z10M200T
	Flex ZA	Z10M200Z
	Flex Europe without plug	Z10M200E.OS

11	Transformer unit housing for base fixing	
	with cover	
	RAL 7037 dust grey	Z10NG000

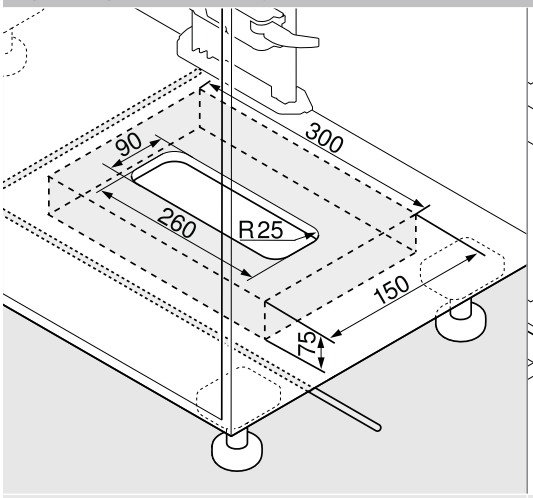
Alternative:

12	Transformer unit housing for wall fixing	
	white grey	
		Z10NG120

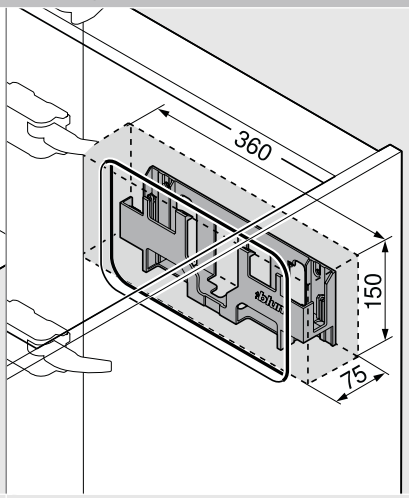
16	Cable holder	
	Using the cable holder, the distribution cable can be easily managed to keep everything tidy and safe.	
	white	Z10K0009

Assembly **Blum transformer**

Space requirement + safety distance for transformer unit housing



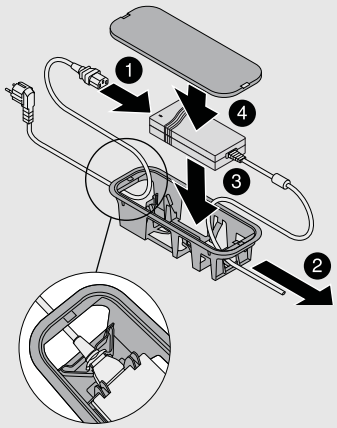
Base fixing



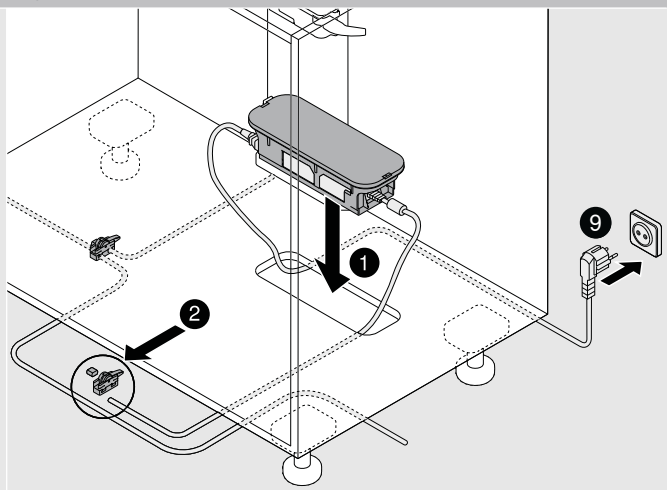
Wall fixing

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

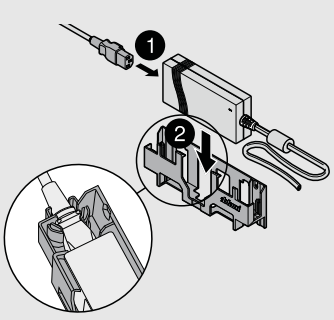
Transformer unit housing for base fixing



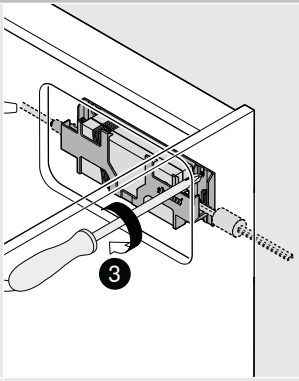
Pull-out stop

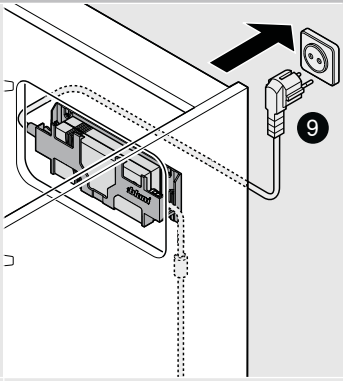


Transformer unit housing for wall fixing

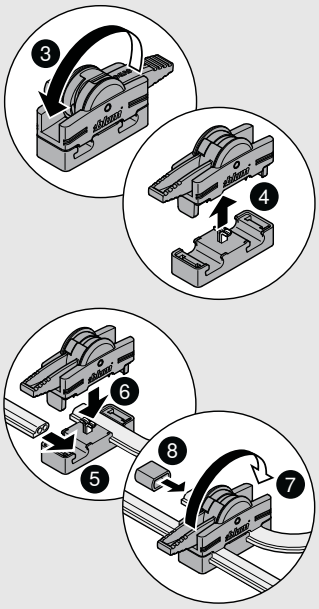


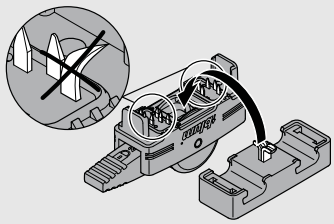
Pull-out stop





Connecting node assembly



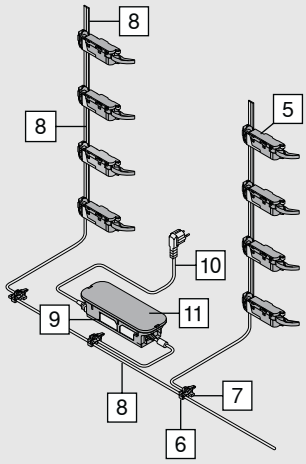


Do not damage piercing tips

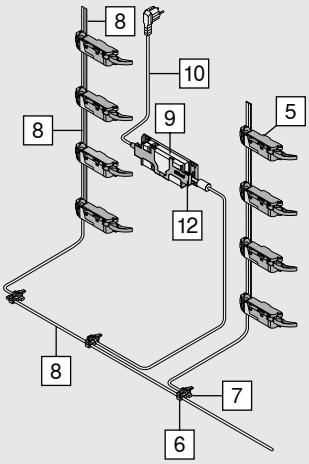
Cabling

Only 1 Blum transformer can be connected to each distribution cable

Standard cabinet “lower cabling” cable diagram

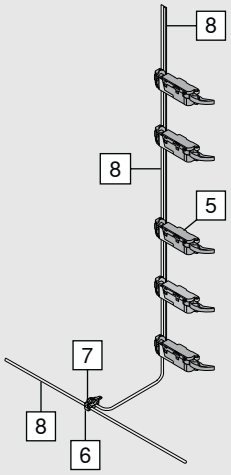


Transformer unit housing for base fixing

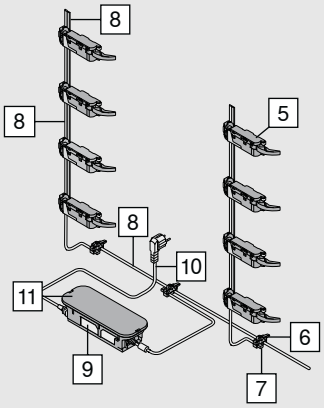


Transformer unit housing for wall fixing

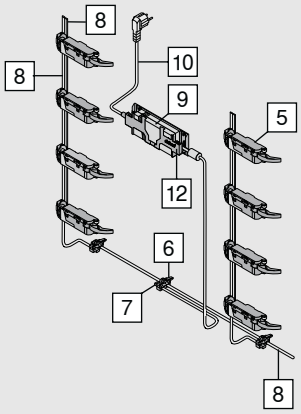
Larder unit cable diagram



Standard cabinet “back cabling” cable diagram

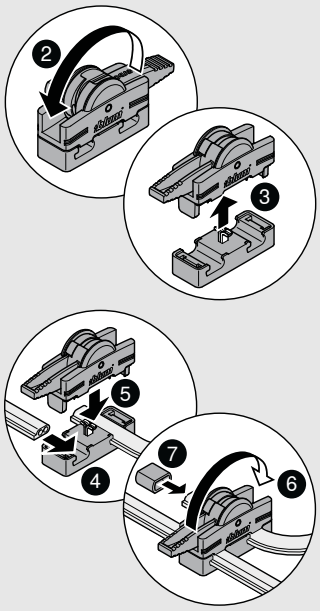


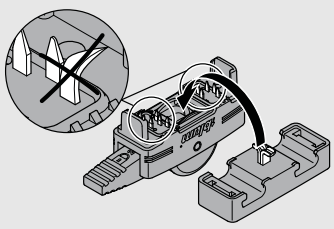
Transformer unit housing for base fixing



Transformer unit housing for wall fixing

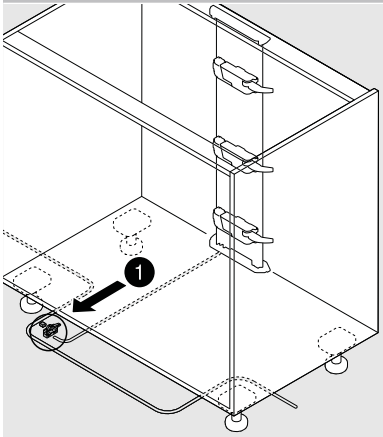
Connecting node assembly



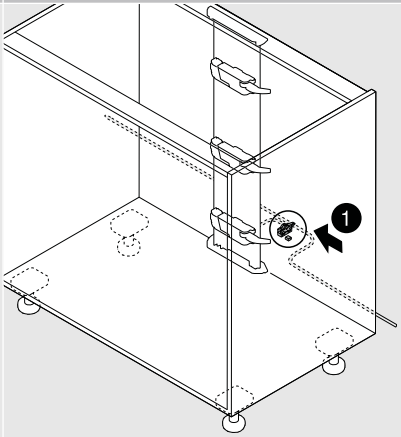


Do not damage piercing tips

Lower cabling



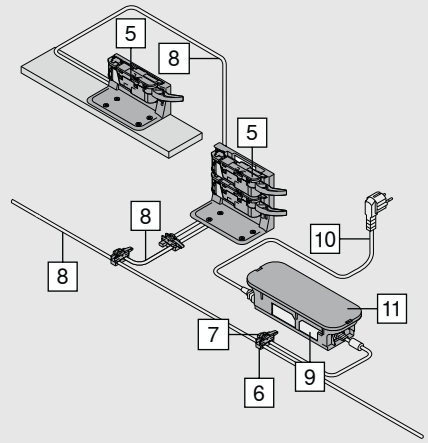
Back cabling



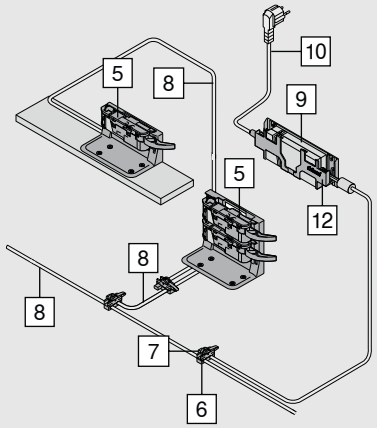
Cabling

Only 1 Blum transformer can be connected to each distribution cable

Sink pull-out cable diagram

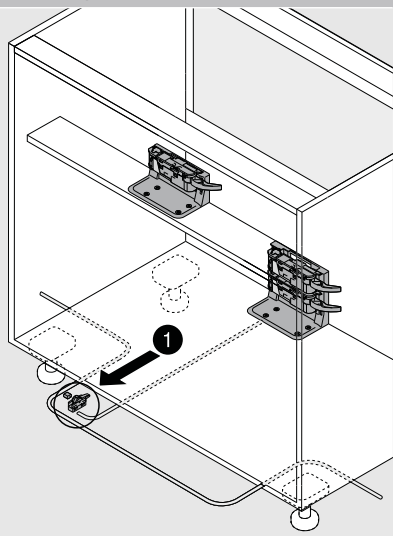


Transformer unit housing for base fixing

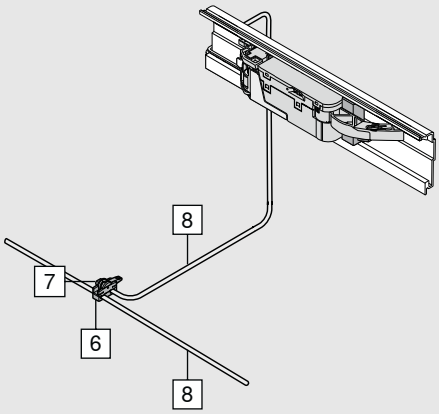


Transformer unit housing for wall fixing

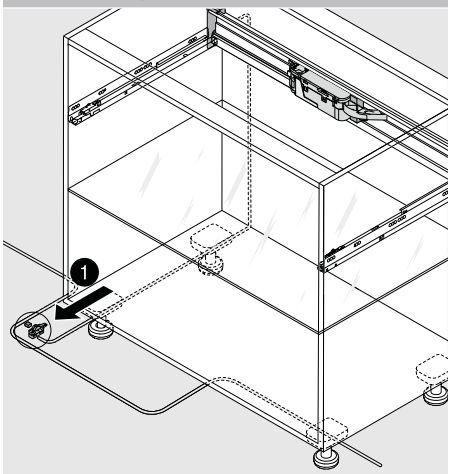
Lower cabling



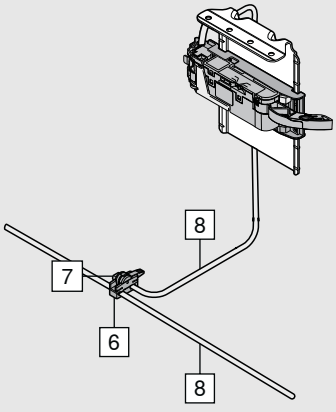
Bracket profile horizontal cable diagram



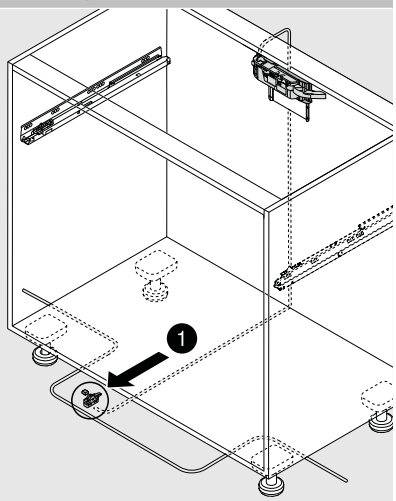
Lower cabling



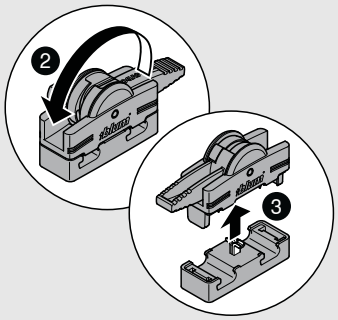
Upper attachment bracket cable diagram

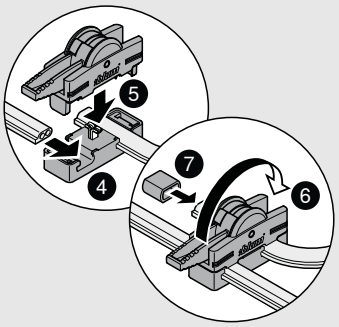


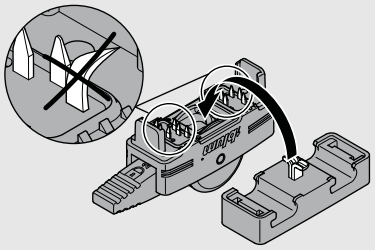
Lower cabling



Connecting node assembly



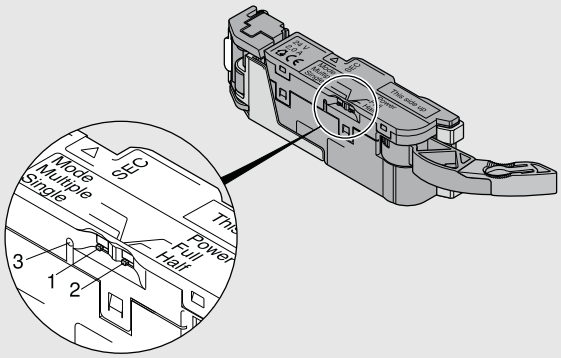




Do not damage piercing tips

Adjustment and assembly

Drive unit adjustment



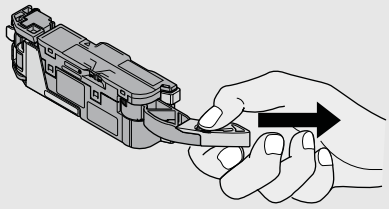
Drive unit selector switches

Selector switch Mode (1)
Multiple: when set to “Multiple”, drive units move simultaneously
Single: only one drive unit moves (default setting)

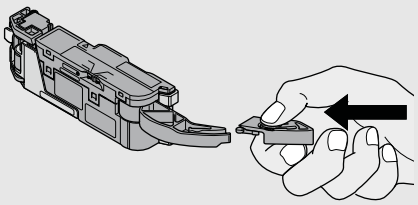
Selector switch Power (2)
Half: for short nominal lengths (270–300 mm) – pull-out only moves a short distance
Full: default setting

Operating mode display (LED) (3)

Lever extension



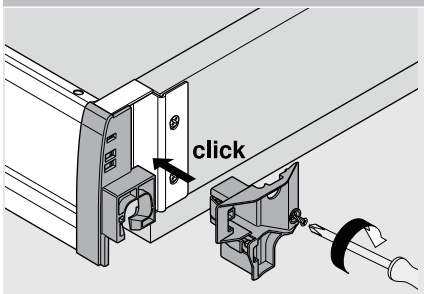
Removal

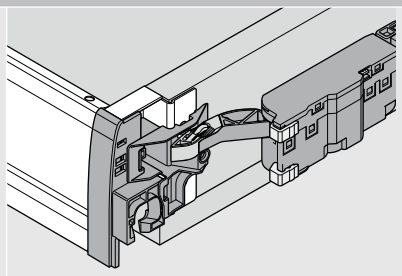


Assembly

The drive unit comes with the lever extension.
The lever extension must be removed for a cabinet width of 300–320 mm in combination with a steel back and for a cabinet width up to 300 mm in combination with a chipboard back.

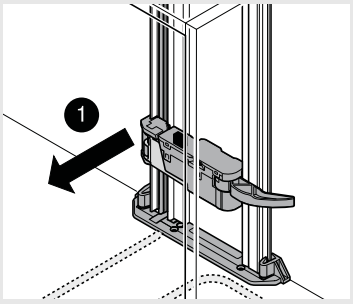
Trigger guide

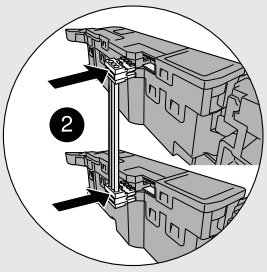


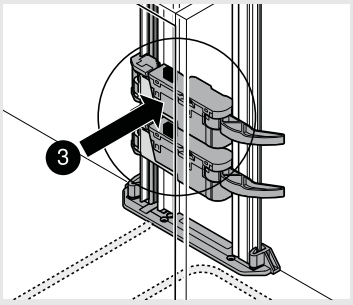


The trigger guidance must be attached and secured with screws for cabinet widths 275–320 mm if being used with a chipboard back.

Synchronisation cable



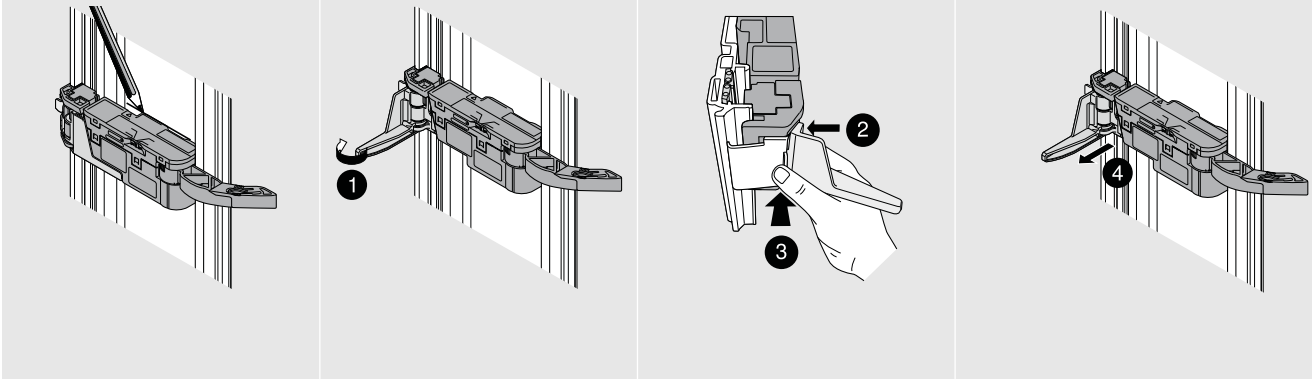




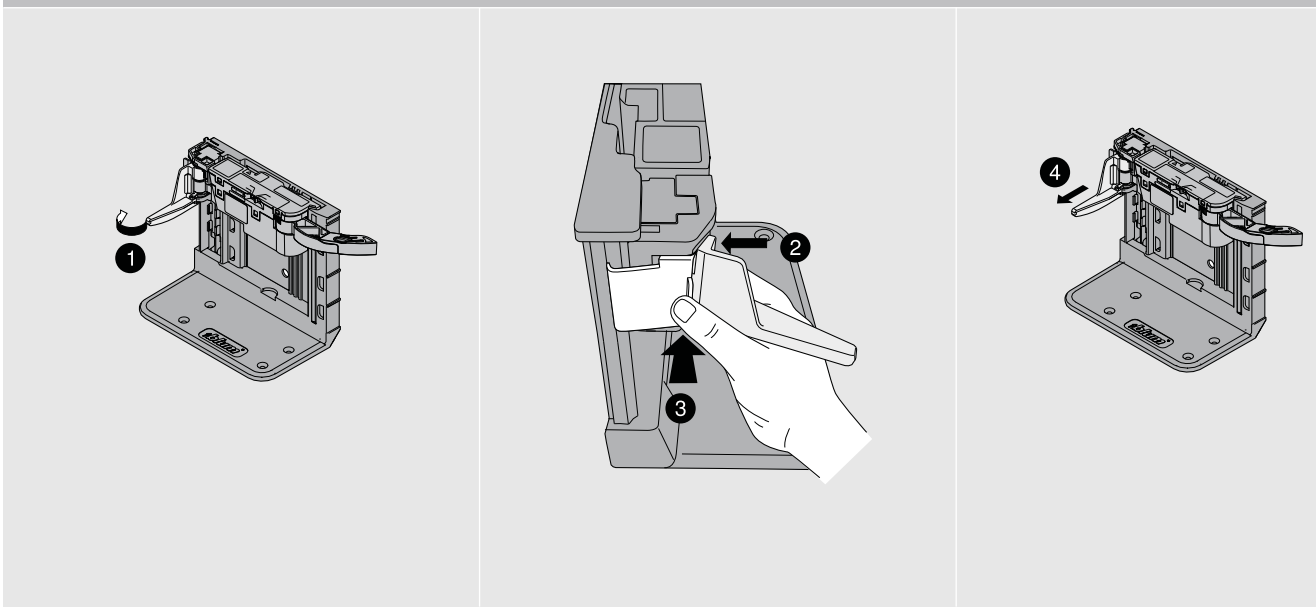
Two drive units that are supposed to open simultaneously must be connected via the synchronisation cable.

Removal

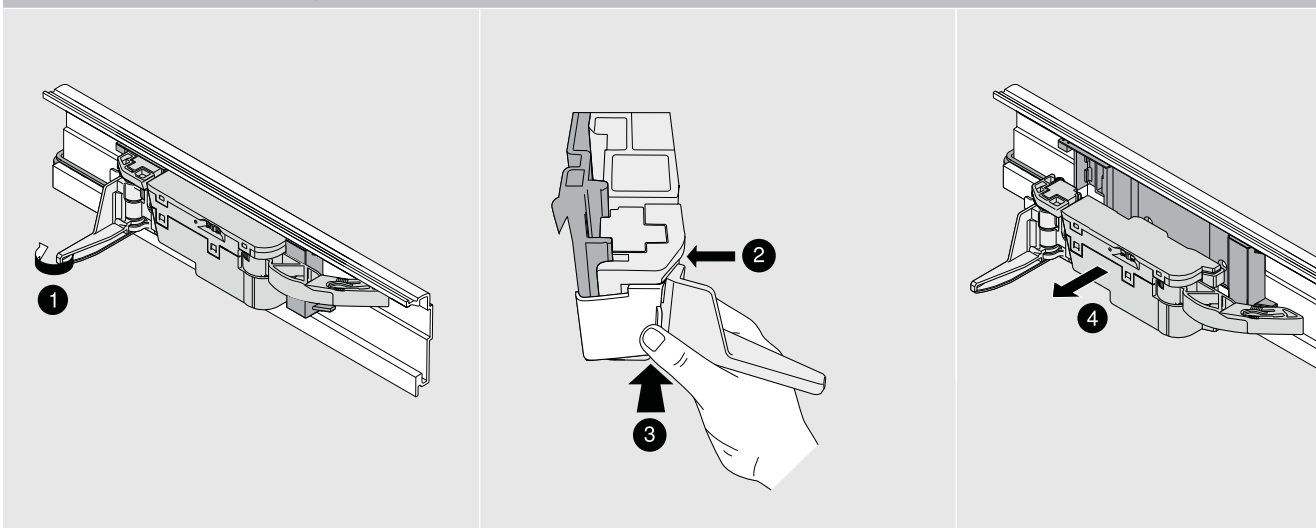
Drive unit removal from bracket profile



Drive unit removal from attachment bracket

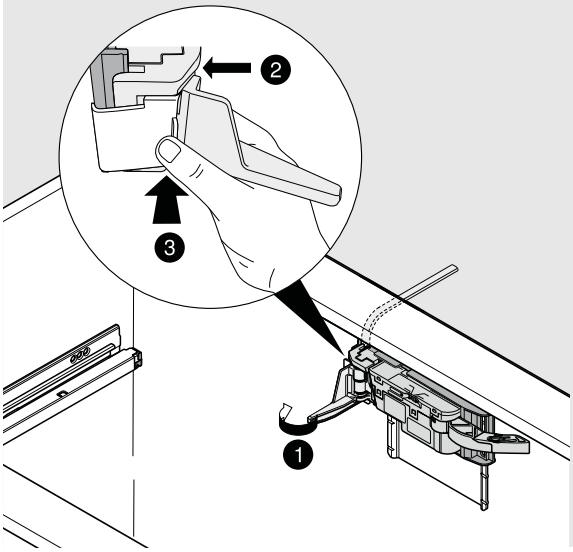


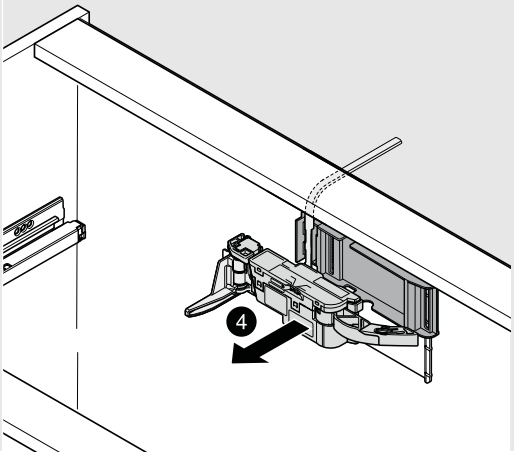
Drive unit removal from bracket profile horizontal



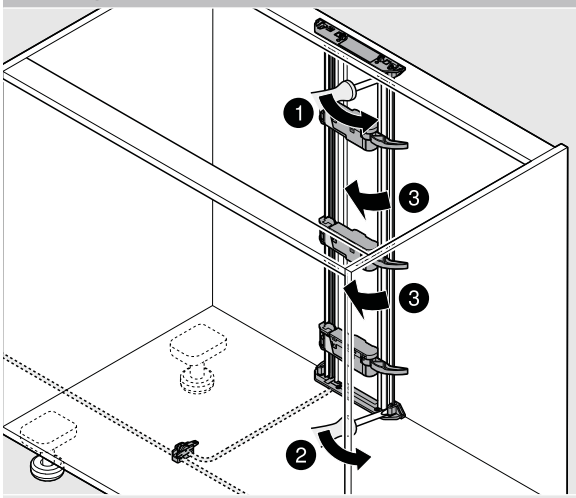
Removal

Drive unit removal from upper attachment bracket

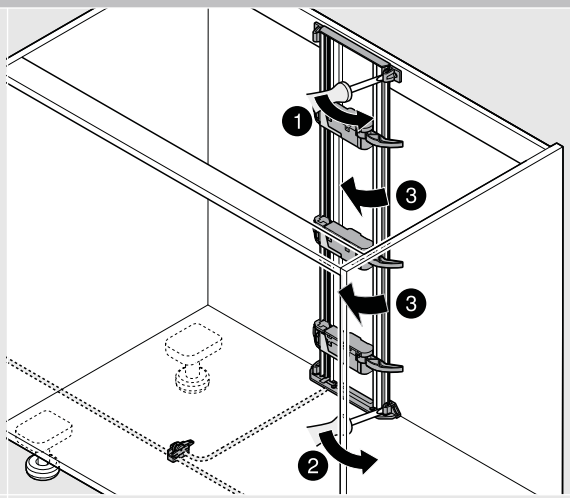




Bracket profile removal

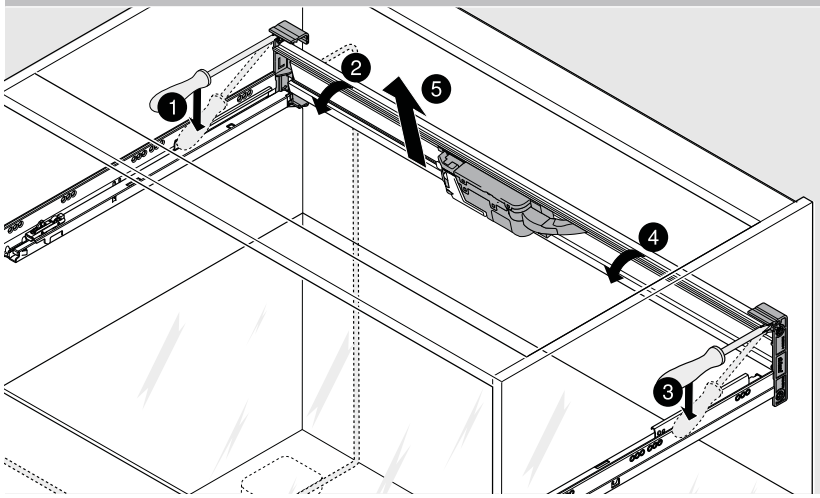


Horizontal cross member

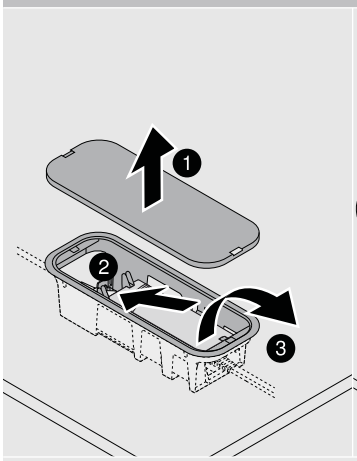


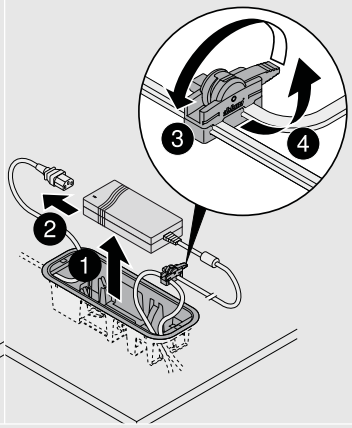
Vertical cross member

Bracket profile horizontal removal

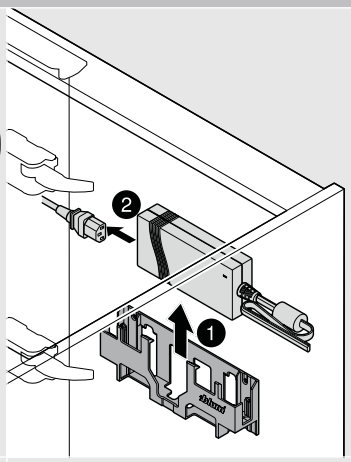


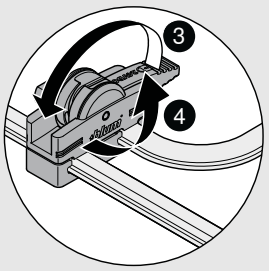
Blum transformer removal





Base fixing





Wall fixing

Perfecting motion



Our understanding of perfect motion

Blum turns the opening and closing of furniture into an experience that significantly increases the comfort of motion in the kitchen. Several thousand employees are continually working worldwide implementing our concept of perfect motion. Within this process, we place the needs of the kitchen user as the focus of our actions. We are only satisfied when the kitchen user is satisfied. All of our partners who participate in the furniture making process profit from this focus.

For over 50 years, quality has been the highest principle for the development and manufacture of our products. Our fittings systems shout “high quality” with their well-thought-out function, recognised design and high durability. They are designed to inspire and trigger fascination for perfect motion. We also set the bar very high for the services we offer. They must provide the best possible support to our partners.

So that we can target our efforts at all levels, we are in a constant dialogue with kitchen users and regularly exchange information with furniture manufacturers, joiners and distributors.







Blum Fittings

For the lifetime of your kitchen

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