

More design freedom thanks to the electrical opening support system



Drawers and high fronted pull-outs open as if by themselves using an electrical drive with just a light touch on a handle-less front or a light pull of the handle. Regardless of where & how the front is touched, the pull-out will open allowing full freedom of movement in any living area.

Thanks to the addition of BLUMOTION for silent and effortless closing action, we have reached new levels of quality of motion, opening up new design possibilities.

BLUMOTION by Blum SERVO-DRIVE by Blum



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



Whether it's the base or wall cabinet – a single system moves handle-less pull-outs and lift systems as if by themselves. The individual cabling components are the same. One transformer is all that's required for power supply to the entire kitchen

Application

- No fixed connection to the drive system
- Can be used without having to change LEGRABOX | TANDEMBOX pull-outs

Assembly | Processing

- Tool-free assembly
- Simple cabling
- Separate drilling template



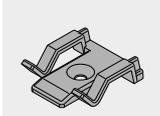
Box systems

 Symbolic image	Overview – box systems	217
	▶ LEGRABOX	218
	▶ TANDEMBOX intivo	270
	▶ TANDEMBOX antaro	296
	▶ TANDEMBOX plus	344

▶▶ **Applications**

 Symbolic image	Standard cabinet	380	Sink cabinet	396
	SPACE TOWER	386	Cabinet with pull-out element – bracket profile horizontal	400
	SERVO-DRIVE uno for bottom mount waste bin solutions – LEGRABOX TANDEMBOX	392	Cabinet with pull-out element – upper attachment bracket	404
	SERVO-DRIVE uno for top mount waste bin solutions – TANDEMBOX	394		

▶▶ **Accessories**

 Symbolic image	Cable holder	408
	Front/base stabiliser	408
	Synchronisation cable	409
	COMBOX set	409

▶▶ **Assembly, removal and adjustment**

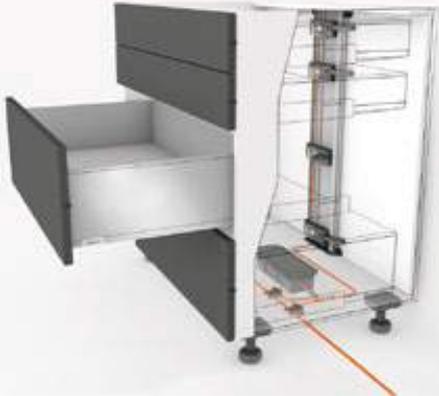
 Symbolic image	Assembly, removal and adjustment	
	Short-URL www.blum.com/a380	

Pictograph

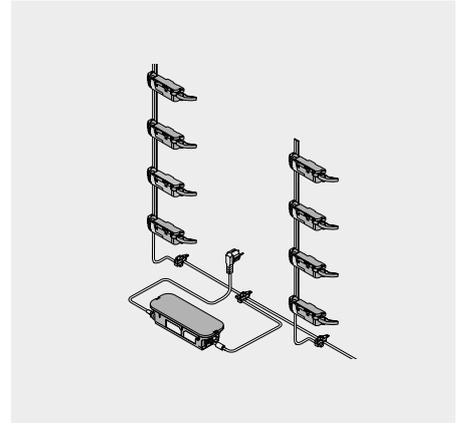
	Item Available Upon Request		
	General Information		
	Accessories		
	SERVO-DRIVE		
	Planning		



Standard cabinet



- Electrical opening support system in conjunction with BLUMOTION – for silent and effortless closing action
- With vertical bracket profile
- No fixed connection to the drive system
- Pull-outs can be used unchanged
- Tool-free assembly
- Simple cabling
- Shallow installation depth



Box systems

Order information

1	Blum distance bumper	Diameter (mm)	Part no.
		Ø 5	993.0530
		Ø 8	993.0830.01

Up to front height 300 mm use 2 pcs.
Front height 300 mm and higher use 4 pcs.
For LEGRABOX 70 kg runner, use 4 pcs.
For TANDEMBOX 65 kg runner, use 4 pcs.

2	Bracket profile	Length (mm)	Material	Cable	Part no.
		650	Aluminium	●	Z10T650AA
		700	Aluminium	●	Z10T700AA
		710	Aluminium	●	Z10T710AA
		750	Aluminium	●	Z10T750AA
		800	Aluminium	●	Z10T800AA
		1170	Aluminium	–	Z10T1170A

For cutting to size
● With cable
– Without cable

a Cutting Internal cabinet height LH – 10 mm

3a	Bracket profile attachment top/bottom	Material	Colour	Part no.
	Cross bar construction horizontal	Nylon	R7037	Z10D01E0.01

Alternative to 3a	3b	Bracket profile attachment lower/back	Material	Colour	Part no.
	Cross bar construction vertical	Nylon	R7037	Z10D01EA.01	

Incl. bracket profile cover cap

9	Drive unit	Material	Colour	Part no.
		Nylon	R7037	Z10A3000.03

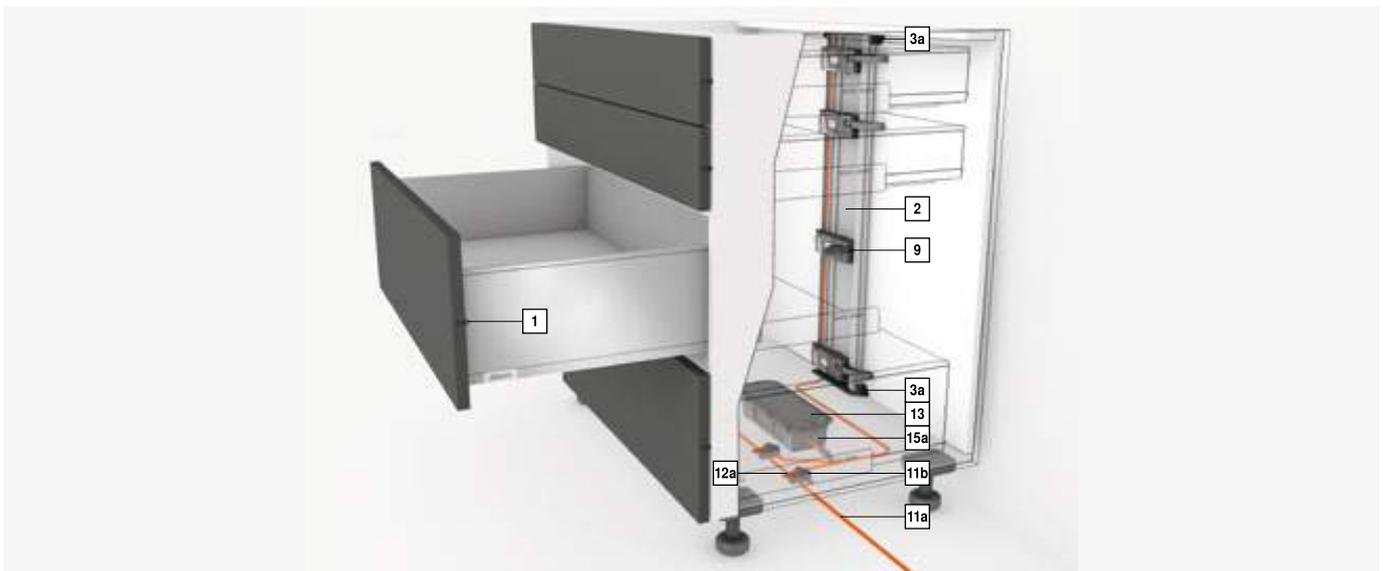
Includes pre-assembled lever extension

10	Lever cap	Box systems	Colour	Part no.
	LEGRABOX	S	Z10A3006	

Steel back
Required from height M and internal cabinet widths (LW) of 267–286 mm

10	Trigger guidance for chipboard back	Box systems	Colour	Part no.
	TANDEMBOX	R7037	Z10A3H00	

Chipboard back
Required for internal cabinet widths (LW) of 242–316 mm





Standard cabinet

Order information

11 Distribution cable and cable end protector			
Length (mm)	Colour	Part no.	
8	S	Z10K800AE	

Composed of:

- 11a 1 x Distribution cable
11b 5 x Cable end protector

Can be used as a distribution, bracket profile and communications cable
For cutting to size

12 Connecting node and cable end protector			
Material	Colour	Part no.	
Nylon	S	Z10V100E.01	

Composed of:

- 12a 1 x Connecting node
12b 2 x Cable end protector

13 Blum transformer 24 W			
Language package	Part no.	Language package	Part no.
A	Z10NE030A	E	Z10NE030E
B	Z10NE030B	F	Z10NE030F
C	Z10NE030C	G	Z10NE030G
D	Z10NE030D	H	Z10NE030H

Incl. instruction leaflet and installation instructions
Without flex

Language package

A DE, EN, FR, IT, NL	E CS, HU, PL, SK
B DA, EN, FI, NO, SV	F BG, ET, LT, LV, RO, RU
C EL, EN, HR, SL, SR, TR	G EN, ES, FR
D EN, ES, FR, IT, PT	H EN, ZH

Language descriptions as per ISO-639

14 Flex				
Market	Part no.	Market	Part no.	
Europe	Z10M200E	CH	Z10M200C	
US, CA	Z10M200U	JP	Z10M200J	
BR	Z10M200S.01	UK	Z10M200B	
DK	Z10M200D	IL	Z10M200I	
AU	Z10M200K	CN	Z10M200N	
AR	Z10M200A	IN	Z10M200H	
CL	Z10M200L	TW	Z10M200T	
ZA	Z10M200Z	Europe	Z10M200E.OS	

¹ Without plug

15a Transformer unit housing			
Base fixing			
Material	Colour	Part no.	
Nylon	R7037	Z10NG000	

Incl. cover
For Blum transformer 24 W

Alternative to 15a			
15b Transformer unit housing			
Panel fixing			
Material	Colour	Part no.	
Nylon	WGR	Z10NG120	

For Blum transformer 24 W

a Accessories

Cable holder			
Material	Colour	Part no.	
Nylon	W	Z10K0009	

For example, for securing the distribution cable

Front/base stabiliser			
Material	Colour	Part no.	
Nylon	R7037	Z96.10E1	

Synchronisation cable			
Length (mm)	Part no.		
80	Z10K008S		
500	Z10K050S		
1200	Z10K120S		
1600	Z10K160S		

Connects two drive units that need to activate simultaneously

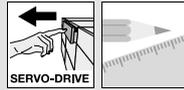
COMBOX set			
Material	Colour	Part no.	
Nylon	S	Z10ZC00A	

For preventing front collisions when using SERVO-DRIVE in corner situations
Suitable starting with drive unit Z10A3000.02
Includes all assembly and cabling components

Colour	Colour	
R7037 RAL 7037 dust grey	WGR	White grey
S Black	W	White

Page instructions

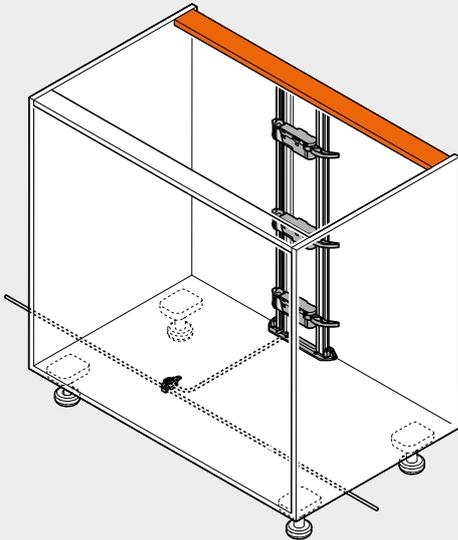
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Overview – TANDEMBOX intivo	271	Overview – assembly devices	595	Short-URL www.blum.com/a380	
Overview – TANDEMBOX antaro	297	More technical details	686		
Overview – TANDEMBOX plus	345				
Planning – horizontal cross member	382				



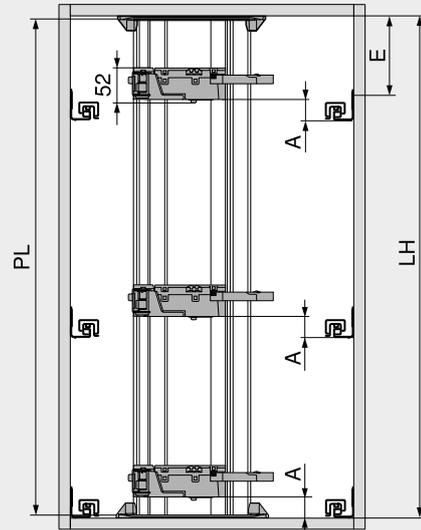
Standard cabinet

Planning – horizontal cross member

Cabinet



Position – drive unit



PL = LH – 10 mm
 Round down to the nearest tenth
 A Distance between the bottom edge of the cabinet profile and the bottom edge of the drive unit
 E Distance between the bottom edge of the cabinet top panel and the fixing position of the cabinet profile
 LH Internal cabinet height
 PL Bracket profile length

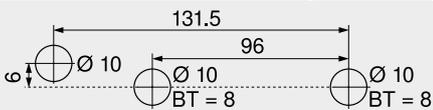
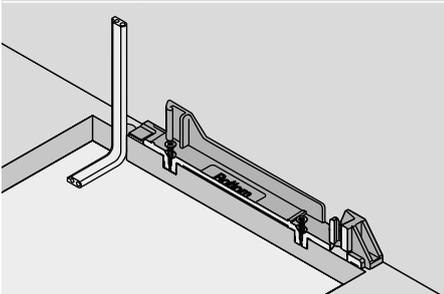
Position – drive unit

Box systems	Back	Back height	Internal cabinet width LW (mm)							
			242–266		267–286		287–316		≥ 317	
			A (mm)	E min. (mm)	A (mm)	E min. (mm)	A (mm)	E min. (mm)	A (mm)	E min. (mm)
LEGRABOX	Chipboard back	N	–	–	45	61	45	61	45	61
		M K C F	–	–	45	69	45	69	45	69
	Steel back	N	–	–	–	–	–	–	–	–
TANDEMBOX	Chipboard back	N	35	56	35	56	35	56	28	49
		M K B C D	35	64	35	64	35	64	35	64
	Steel back	N	–	–	–	–	28	49	28	49
		M K B C D	–	–	35	64	35	64	35	64

A Distance between the bottom edge of the cabinet profile and the bottom edge of the drive unit – Not possible
 E Distance between the bottom edge of the cabinet top panel and the fixing position of the cabinet profile

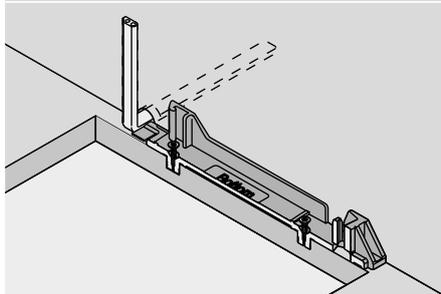
Cabinet bottom – drilling pattern

Lower cabling

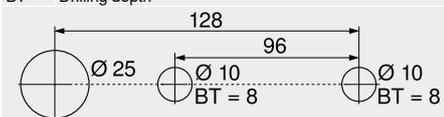


BT Drilling depth

Back cabling

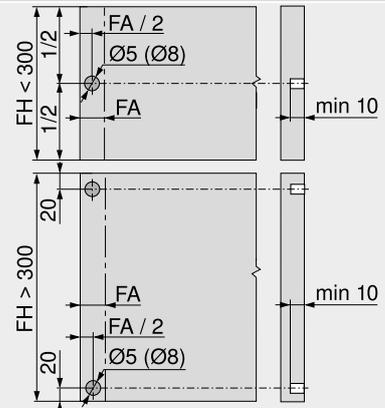


BT Drilling depth

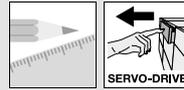


Alternative drilling pattern for PRO-CENTER and MINIPRESS
 BT Drilling depth

Front assembly – position of Blum distance bumper



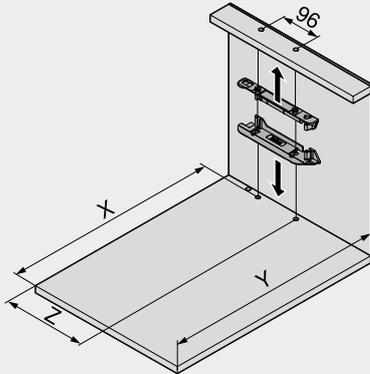
The Blum distance bumper creates and maintains the required trigger path of 2 mm
 When using a 70 kg LEGRABOX or 65 kg TANDEMBOX runner, attach four Blum distance bumpers
 For optimal trigger function for front height FH > 300 mm, use front stabilisation
 FA Front overlay
 FH Front height



Standard cabinet

Planning – horizontal cross member

Drilling distances – base | cross bar



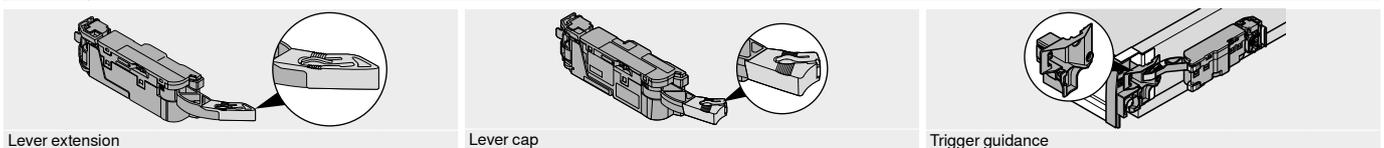
Back	X (mm)	Y (mm)
Chipboard back	NL + 19	NL + 33
Steel back	NL + 2	NL + 16
NL	Nominal length	
X	Drilling position	
Y	Min. space requirement	
Z	Dimension of engagement	

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

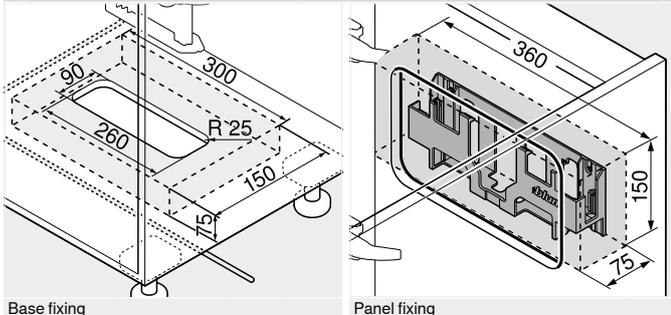
Box systems	Back	Back height	Internal cabinet width LW (mm)									
			242–266			267–286			287–316			
			Z (mm)	Lever extension	Trigger guidance	Z (mm)	Lever extension	Trigger guidance	Lever cap	Z (mm)	Lever extension	Trigger guidance
LEGRABOX	Chipboard back	N	–	–	–	184	●	–	–	184	●	–
	Steel back	M K C F	–	–	–	184	●	–	–	184	●	–
TANDEMBOX	Chipboard back	N	179	✘	●	179	●	●	–	179	●	●
	Steel back	M K B C D	179	✘	●	179	●	●	–	179	●	●

Box systems	Back	Back height	Internal cabinet width LW (mm)					
			317–386			≥ 387		
			Z (mm)	Lever extension	Trigger guidance	Z (mm)	Lever extension	Trigger guidance
LEGRABOX	Chipboard back	N	184	●	–	LW / 2	●	–
	Steel back	M K C F	184	●	–	LW / 2	●	–
TANDEMBOX	Chipboard back	N	179	●	○	LW / 2	●	○
		M K B C D	179	●	○	LW / 2	●	○
	Steel back	N	190	●	–	LW / 2	●	–
		M K B C D	179	●	–	LW / 2	●	–

LW Internal cabinet width
 Z Dimension of engagement
 ● Required
 ○ Not required
 – Not possible
 ✘ Remove



Space requirement and safety distance – transformer unit housing

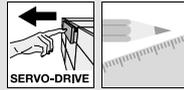


Attention
 Maintain a 30 mm safety distance from the bottom edge (base fixing) and/or front edge (panel fixing) and side edges of the transformer unit housing to the neighbouring elements

Air must be able to circulate, otherwise the Blum transformer could overheat

Page instructions

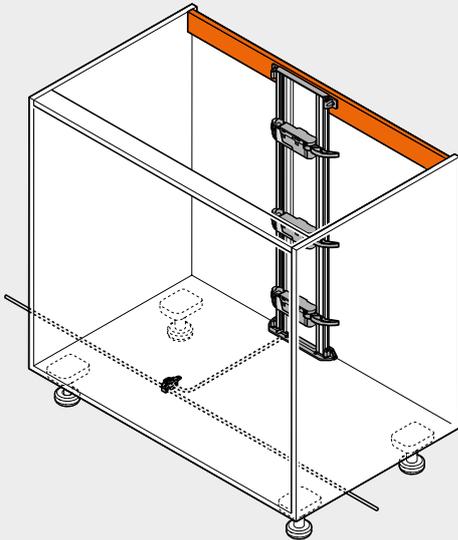
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			www.blum.com/a380		



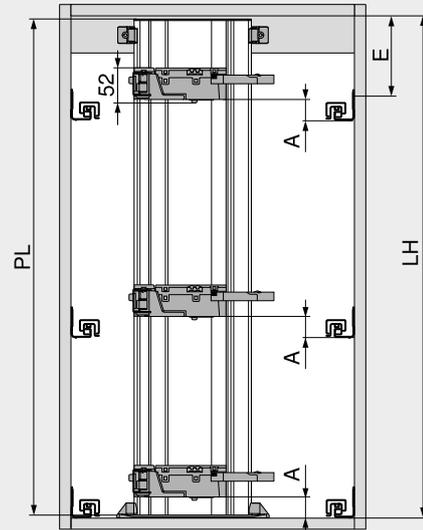
Standard cabinet

Planning – vertical cross member

Cabinet



Position – drive unit



PL = LH – 10 mm
 Round down to the nearest tenth
 A Distance between the bottom edge of the cabinet profile and the bottom edge of the drive unit
 E Distance between the bottom edge of the cabinet top panel and the fixing position of the cabinet profile
 LH Internal cabinet height
 PL Bracket profile length

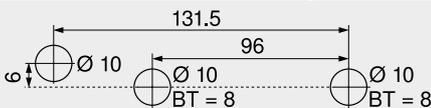
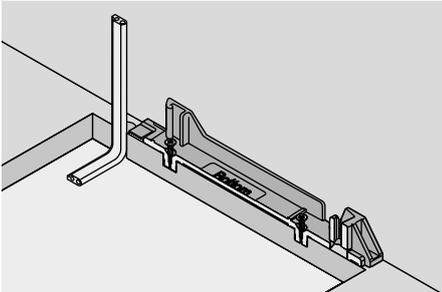
Position – drive unit

Box systems	Back	Back height	Internal cabinet width LW (mm)							
			242–266		267–286		287–316		≥ 317	
			A (mm)	E min. (mm)	A (mm)	E min. (mm)	A (mm)	E min. (mm)	A (mm)	E min. (mm)
LEGRABOX	Chipboard back	N	–	–	45	61	45	61	45	61
		M K C F	–	–	45	69	45	69	45	69
	Steel back	N	–	–	–	–	–	–	–	–
TANDEMBOX	Chipboard back	N	35	56	35	56	35	56	28	49
		M K B C D	35	64	35	64	35	64	35	64
	Steel back	N	–	–	–	–	28	49	28	49
		M K B C D	–	–	35	64	35	64	35	64

A Distance between the bottom edge of the cabinet profile and the bottom edge of the drive unit – Not possible
 E Distance between the bottom edge of the cabinet top panel and the fixing position of the cabinet profile

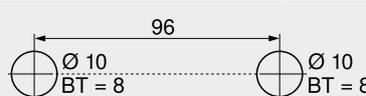
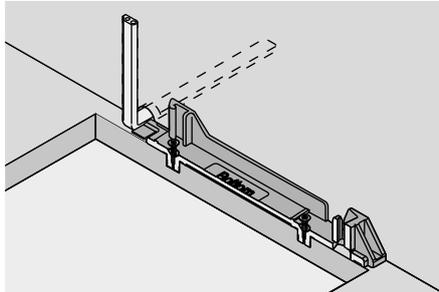
Cabinet bottom – drilling pattern

Lower cabling

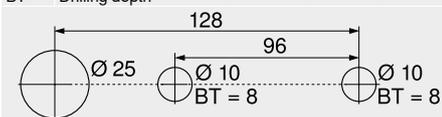


BT Drilling depth

Back cabling

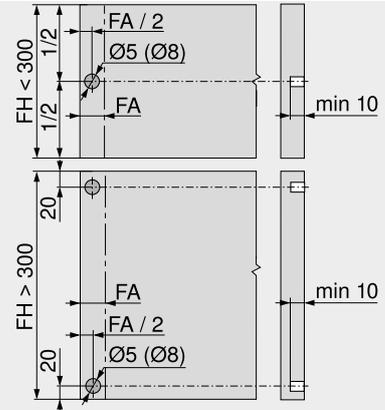


BT Drilling depth

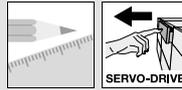


Alternative drilling pattern for PRO-CENTER and MINIPRESS
 BT Drilling depth

Front assembly – position of Blum distance bumper



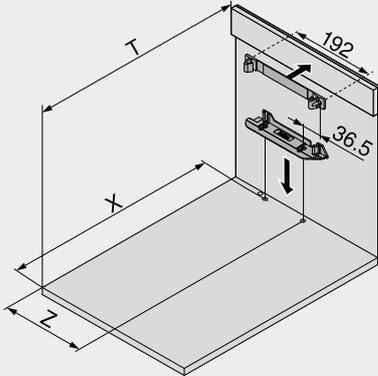
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 For optimal trigger function for front height FH > 300 mm, use front stabilisation
 FA Front overlay
 FH Front height



Standard cabinet

Planning – vertical cross member

Drilling distances – base | cross bar



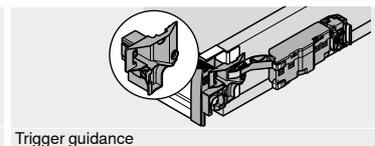
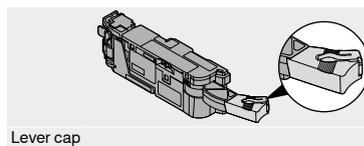
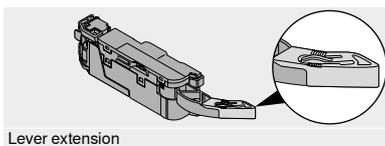
Back	X (mm)	T (mm)
Chipboard back	NL + 19	NL + 34
Steel back	NL + 2	NL + 17
NL	Nominal length	
X	Drilling position	
T	Position front edge/cross member	
Z	Dimension of engagement	

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

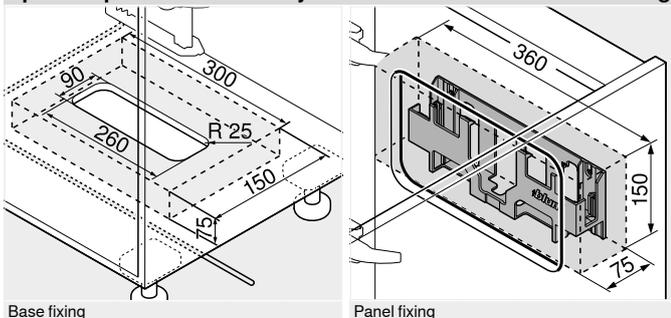
Box systems	Back	Back height	Internal cabinet width LW (mm)									
			242–266			267–286			287–316			
			Z (mm)	Lever extension	Trigger guidance	Z (mm)	Lever extension	Trigger guidance	Lever cap	Z (mm)	Lever extension	Trigger guidance
LEGRABOX	Chipboard back	N	–	–	–	184	●	–	–	184	●	–
	Steel back	M K C F	–	–	–	184	●	–	–	184	●	–
TANDEMBOX	Chipboard back	N	179	×	●	179	●	●	–	179	●	●
	Steel back	M K B C D	–	–	–	–	–	–	–	190	×	–

Box systems	Back	Back height	Internal cabinet width LW (mm)					
			317–386			≥ 387		
			Z (mm)	Lever extension	Trigger guidance	Z (mm)	Lever extension	Trigger guidance
LEGRABOX	Chipboard back	N	184	●	–	LW / 2	●	–
	Steel back	M K C F	184	●	–	LW / 2	●	–
TANDEMBOX	Chipboard back	N	179	●	○	LW / 2	●	○
	Steel back	M K B C D	179	●	–	LW / 2	●	–
	Chipboard back	N	190	●	–	LW / 2	●	–
	Steel back	M K B C D	179	●	–	LW / 2	●	–

LW Internal cabinet width
 Z Dimension of engagement
 ● Required
 ○ Not required
 – Not possible
 × Remove



Space requirement and safety distance – transformer unit housing



Attention
 Maintain a 30 mm safety distance from the bottom edge (base fixing) and/or front edge (panel fixing) and side edges of the transformer unit housing to the neighbouring elements

Air must be able to circulate, otherwise the Blum transformer could overheat

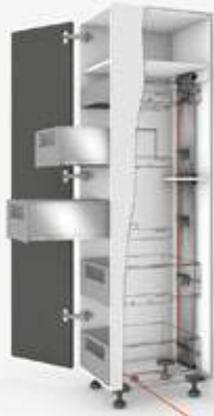
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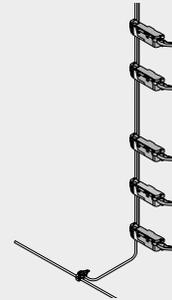




SPACE TOWER



- Electrical opening support system in conjunction with BLUMOTION – for silent and effortless closing action
- With vertical bracket profile
- No fixed connection to the drive system
- Pull-outs can be used unchanged
- Tool-free assembly
- Simple cabling
- Shallow installation depth



Order information

2 Bracket profile				
	Length (mm)	Material	Cable	Part no.
	650	Aluminium	●	Z10T650AA
	700	Aluminium	●	Z10T700AA
	710	Aluminium	●	Z10T710AA
	750	Aluminium	●	Z10T750AA
	800	Aluminium	●	Z10T800AA
	1170	Aluminium	–	Z10T1170A

For cutting to size
 ● With cable
 – Without cable

a Cutting Internal cabinet height LH – 10 mm

3a Bracket profile attachment top/bottom			
Cross bar construction horizontal			
	Material	Colour	Part no.
	Nylon	R7037	Z10D01E0.01

Alternative to 3a			
3b Bracket profile attachment lower/back			
Cross bar construction vertical			
	Material	Colour	Part no.
	Nylon	R7037	Z10D01EA.01

Incl. bracket profile cover cap

9 Drive unit			
	Material	Colour	Part no.
	Nylon	R7037	Z10A3000.03

Includes pre-assembled lever extension

10 Lever cap			
	Box systems	Colour	Part no.
	LEGRABOX	S	Z10A3006

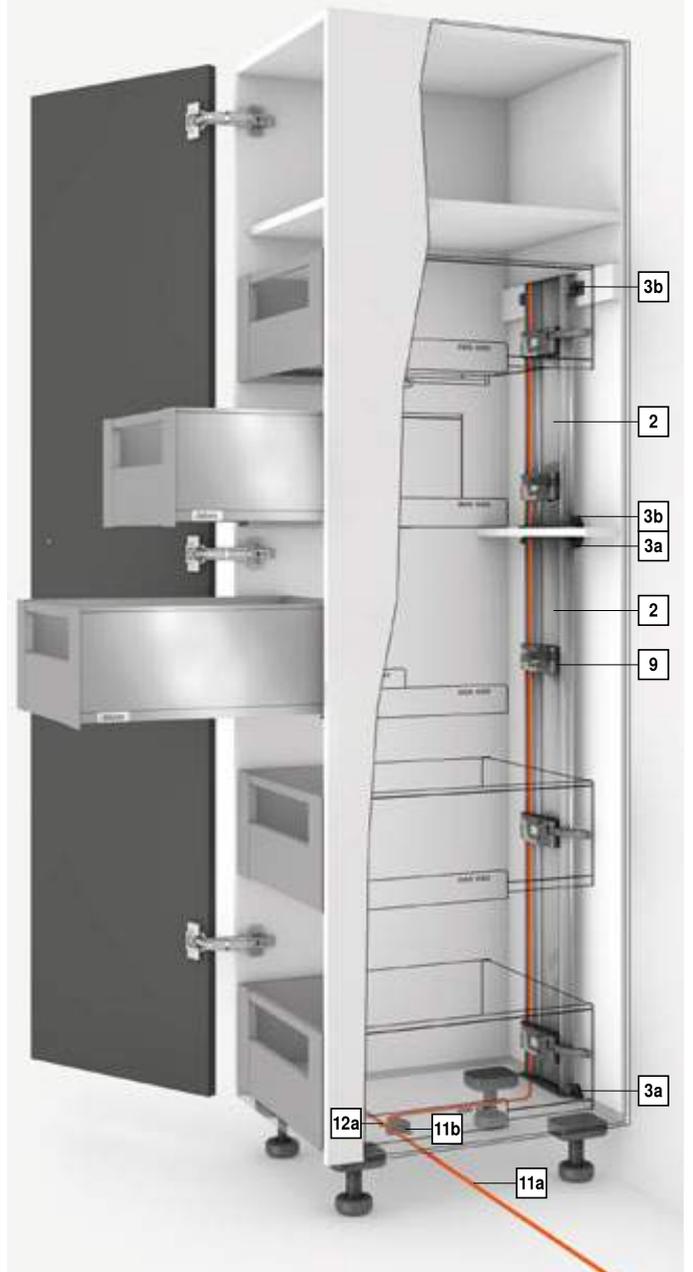
Steel back
 Required from height M and internal cabinet widths (LW) of 267–286 mm

10 Trigger guidance for chipboard back			
	Box systems	Colour	Part no.
	TANDEMBOX	R7037	Z10A3H00

Chipboard back
 Required for internal cabinet widths (LW) of 242–316 mm

11 Distribution cable and cable end protector			
	Length (mm)	Colour	Part no.
	8	S	Z10K800AE

Composed of:
 11a 1 x Distribution cable
 11b 5 x Cable end protector
 Can be used as a distribution, bracket profile and communications cable
 For cutting to size





SPACE TOWER

Order information

12 Connecting node and cable end protector

Material	Colour	Part no.
Nylon	S	Z10V100E.01

Composed of:

- 12a 1 x Connecting node
11b 2 x Cable end protector

13 Blum transformer 24 W

Language package	Part no.	Language package	Part no.
A	Z10NE030A	E	Z10NE030E
B	Z10NE030B	F	Z10NE030F
C	Z10NE030C	G	Z10NE030G
D	Z10NE030D	H	Z10NE030H

Incl. instruction leaflet and installation instructions
Without flex

Language package

A DE, EN, FR, IT, NL	E CS, HU, PL, SK
B DA, EN, FI, NO, SV	F BG, ET, LT, LV, RO, RU
C EL, EN, HR, SL, SR, TR	G EN, ES, FR
D EN, ES, FR, IT, PT	H EN, ZH

Language descriptions as per ISO-639

14 Flex

Market	Part no.	Market	Part no.
Europe	Z10M200E	CH	Z10M200C
US, CA	Z10M200U	JP	Z10M200J
BR	Z10M200S.01	UK	Z10M200B
DK	Z10M200D	IL	Z10M200I
AU	Z10M200K	CN	Z10M200N
AR	Z10M200A	IN	Z10M200H
CL	Z10M200L	TW	Z10M200T
ZA	Z10M200Z	Europe ¹	Z10M200E.OS

¹ Without plug

15a Transformer unit housing

Base fixing

Material	Colour	Part no.
Nylon	R7037	Z10NG000

Incl. cover

For Blum transformer 24 W

Alternative to 15a

15b Transformer unit housing

Panel fixing

Material	Colour	Part no.
Nylon	WGR	Z10NG120

For Blum transformer 24 W

a Accessories

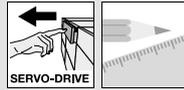
Material	Colour	Part no.
Nylon	W	Z10K0009

For example, for securing the distribution cable

Colour	Colour
R7037 RAL 7037 dust grey	WGR White grey
S Black	W White

Page instructions

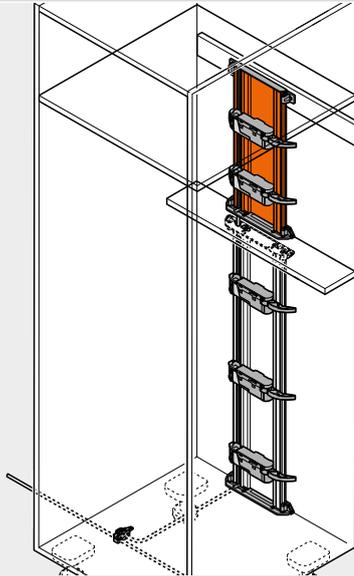
Overview – SERVO-DRIVE for LEGRABOX TANDEMBOX	379	Planning – bracket profile bottom	390	Assembly, removal and adjustment	
Overview – LEGRABOX	219	Accessories	408		
Overview – TANDEMBOX intivo	271	Overview – assembly devices	595	Short-URL www.blum.com/a380	
Overview – TANDEMBOX antaro	297	More technical details	686		
Overview – TANDEMBOX plus	345				
Planning – bracket profile top	388				



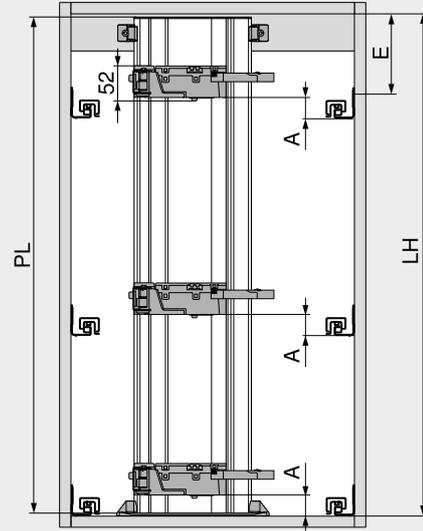
SPACE TOWER

Planning – bracket profile top

Cabinet



Position – drive unit



PL = LH – 10 mm
 Round down to the nearest tenth
 A Distance between the bottom edge of the cabinet profile and the bottom edge of the drive unit
 E Distance between the bottom edge of the cabinet top panel and the fixing position of the cabinet profile
 LH Internal cabinet height
 PL Bracket profile length

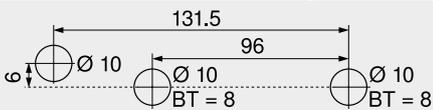
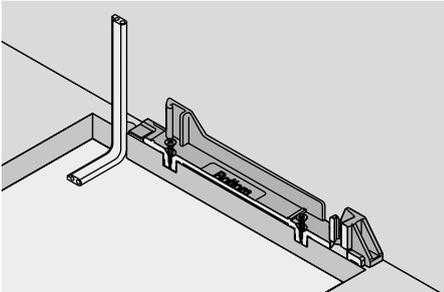
Position – drive unit

Box systems	Back	Back height	Internal cabinet width LW (mm)							
			242–266		267–286		287–316		≥ 317	
			A (mm)	E min. (mm)	A (mm)	E min. (mm)	A (mm)	E min. (mm)	A (mm)	E min. (mm)
LEGRABOX	Chipboard back	N	–	–	45	61	45	61	45	61
		M K C F	–	–	45	69	45	69	45	69
	Steel back	N	–	–	–	–	–	–	–	–
		M K C F	–	–	45	69	45	69	45	69
TANDEMBOX	Chipboard back	N	35	56	35	56	35	56	28	49
		M K B C D	35	64	35	64	35	64	35	64
	Steel back	N	–	–	–	–	28	49	28	49
		M K B C D	–	–	35	64	35	64	35	64

A Distance between the bottom edge of the cabinet profile and the bottom edge of the drive unit – Not possible
 E Distance between the bottom edge of the cabinet top panel and the fixing position of the cabinet profile

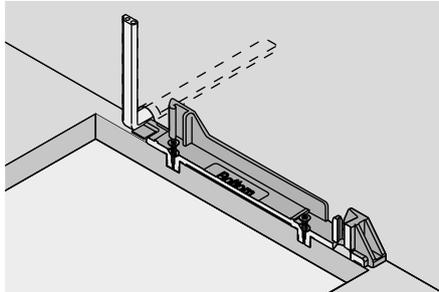
Cabinet bottom – drilling pattern

Lower cabling

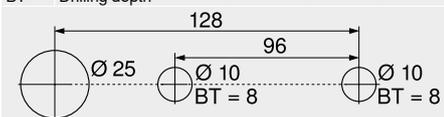


BT Drilling depth

Back cabling

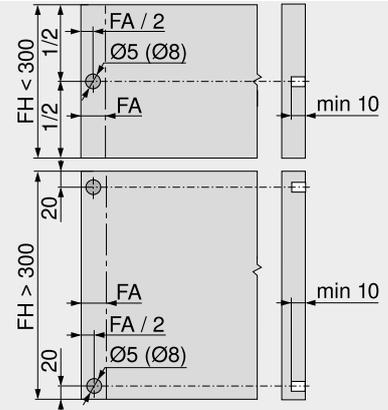


BT Drilling depth

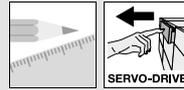


Alternative drilling pattern for PRO-CENTER and MINIPRESS
 BT Drilling depth

Front assembly – position of Blum distance bumper



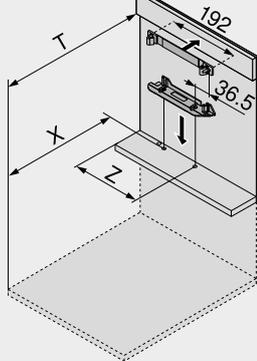
The Blum distance bumper creates and maintains the required trigger path of 2 mm
 When using a 70 kg LEGRABOX or 65 kg TANDEMBOX runner, attach four Blum distance bumpers
 For optimal trigger function for front height FH > 300 mm, use front stabilisation
 FA Front overlay
 FH Front height



SPACE TOWER

Planning – bracket profile top

Drilling distances – base | cross bar



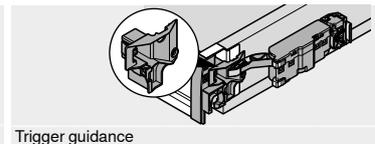
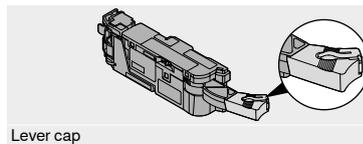
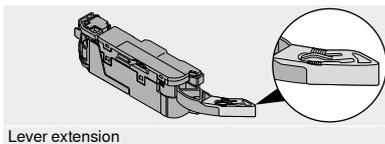
Back	X (mm)	T (mm)
Chipboard back	NL + 19	NL + 34
Steel back	NL + 2	NL + 17
NL	Nominal length	
X	Drilling position	
T	Position front edge/cross member	
Z	Dimension of engagement	

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

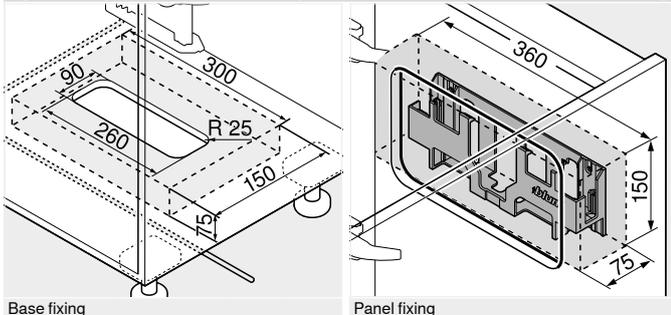
Box systems	Back	Back height	Internal cabinet width LW (mm)									
			242–266			267–286			287–316			
			Z (mm)	Lever extension	Trigger guidance	Z (mm)	Lever extension	Trigger guidance	Lever cap	Z (mm)	Lever extension	Trigger guidance
LEGRABOX	Chipboard back	N	–	–	–	184	●	–	–	184	●	–
	Steel back	M K C F	–	–	–	184	●	–	–	184	●	–
TANDEMBOX	Chipboard back	N	179	✘	●	179	●	●	–	179	●	●
	Steel back	M K B C D	179	✘	●	179	●	●	–	179	●	●

Box systems	Back	Back height	Internal cabinet width LW (mm)					
			317–386			≥ 387		
			Z (mm)	Lever extension	Trigger guidance	Z (mm)	Lever extension	Trigger guidance
LEGRABOX	Chipboard back	N	184	●	–	LW / 2	●	–
	Steel back	M K C F	184	●	–	LW / 2	●	–
TANDEMBOX	Chipboard back	N	179	●	○	LW / 2	●	○
		M K B C D	179	●	○	LW / 2	●	○
	Steel back	N	190	●	–	LW / 2	●	–
		M K B C D	179	●	–	LW / 2	●	–

LW Internal cabinet width
 Z Dimension of engagement
 ● Required
 ○ Not required
 – Not possible
 ✘ Remove



Space requirement and safety distance – transformer unit housing

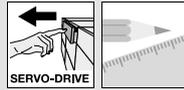


Attention
 Maintain a 30 mm safety distance from the bottom edge (base fixing) and/or front edge (panel fixing) and side edges of the transformer unit housing to the neighbouring elements

Air must be able to circulate, otherwise the Blum transformer could overheat

Page instructions

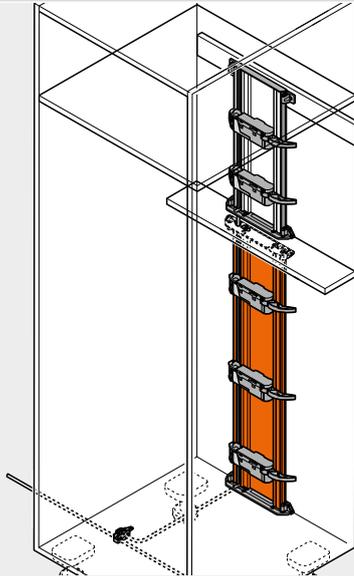
Overview – SERVO-DRIVE for LEGRABOX TANDEMBOX	379	Order information	386	Assembly, removal and adjustment	
Overview – LEGRABOX	219	Planning – bracket profile bottom	390		
Overview – TANDEMBOX intivo	271	Accessories	408		
Overview – TANDEMBOX antaro	297	Overview – assembly devices	595	Short-URL	
Overview – TANDEMBOX plus	345	More technical details	686	www.blum.com/a380	



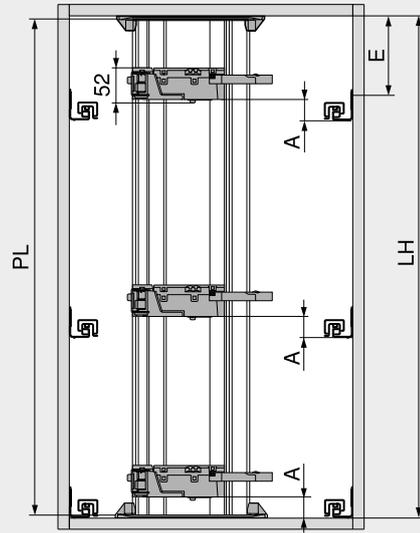
SPACE TOWER

Planning – bracket profile bottom

Cabinet



Position – drive unit



PL = LH – 10 mm
 Round down to the nearest tenth
 A Distance between the bottom edge of the cabinet profile and the bottom edge of the drive unit
 E Distance between the bottom edge of the cabinet top panel and the fixing position of the cabinet profile
 LH Internal cabinet height
 PL Bracket profile length

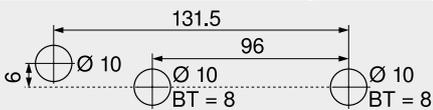
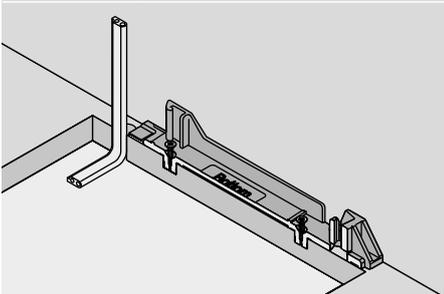
Position – drive unit

Box systems	Back	Back height	Internal cabinet width LW (mm)							
			242–266		267–286		287–316		≥ 317	
			A (mm)	E min. (mm)	A (mm)	E min. (mm)	A (mm)	E min. (mm)	A (mm)	E min. (mm)
LEGRABOX	Chipboard back	N	–	–	45	61	45	61	45	61
		M K C F	–	–	45	69	45	69	45	69
	Steel back	N	–	–	–	–	–	–	–	–
TANDEMBOX	Chipboard back	N	35	56	35	56	35	56	28	49
		M K B C D	35	64	35	64	35	64	35	64
	Steel back	N	–	–	–	–	28	49	28	49
		M K B C D	–	–	35	64	35	64	35	64

A Distance between the bottom edge of the cabinet profile and the bottom edge of the drive unit – Not possible
 E Distance between the bottom edge of the cabinet top panel and the fixing position of the cabinet profile

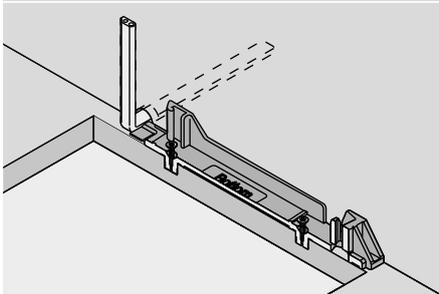
Cabinet bottom – drilling pattern

Lower cabling

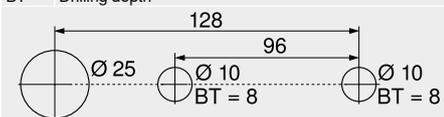


BT Drilling depth

Back cabling

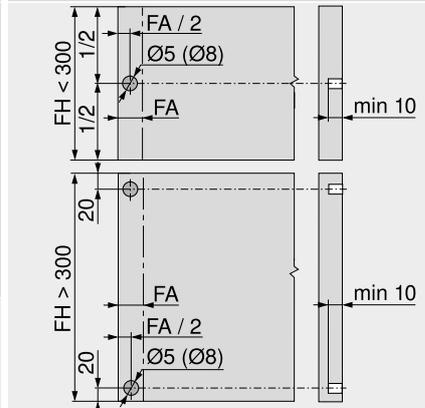


BT Drilling depth

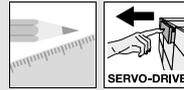


Alternative drilling pattern for PRO-CENTER and MINIPRESS
 BT Drilling depth

Front assembly – position of Blum distance bumper



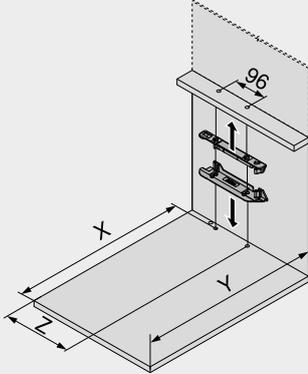
The Blum distance bumper creates and maintains the required trigger path of 2 mm
 When using a 70 kg LEGRABOX or 65 kg TANDEMBOX runner, attach four Blum distance bumpers
 For optimal trigger function for front height FH > 300 mm, use front stabilisation
 FA Front overlay
 FH Front height



SPACE TOWER

Planning – bracket profile bottom

Drilling distances – base | cross bar



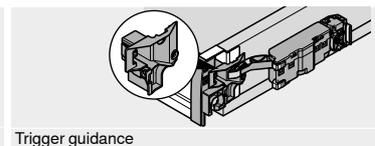
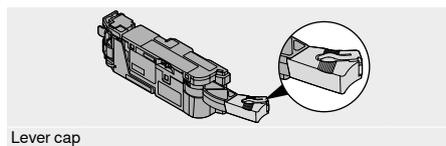
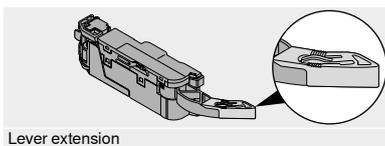
Back	X (mm)	Y (mm)
Chipboard back	NL + 19	NL + 33
Steel back	NL + 2	NL + 16
NL	Nominal length	
X	Drilling position	
Y	Min. space requirement	
Z	Dimension of engagement	

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

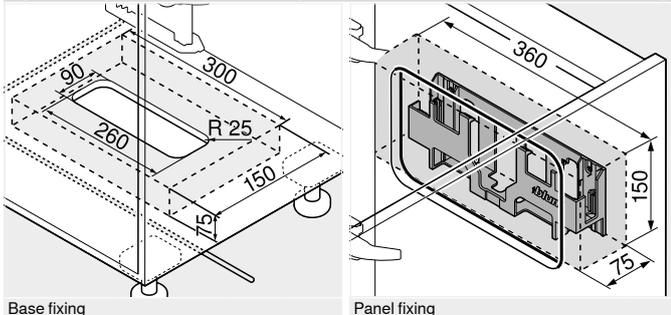
Box systems	Back	Back height	Internal cabinet width LW (mm)									
			242–266			267–286			287–316			
			Z (mm)	Lever extension	Trigger guidance	Z (mm)	Lever extension	Trigger guidance	Lever cap	Z (mm)	Lever extension	Trigger guidance
LEGRABOX	Chipboard back	N	–	–	–	184	●	–	–	184	●	–
	Steel back	M K C F	–	–	–	184	●	–	–	184	●	–
TANDEMBOX	Chipboard back	N	179	✘	●	179	●	●	–	179	●	●
	Steel back	M K B C D	–	–	–	–	–	–	–	190	✘	–

Box systems	Back	Back height	Internal cabinet width LW (mm)					
			317–386			≥ 387		
			Z (mm)	Lever extension	Trigger guidance	Z (mm)	Lever extension	Trigger guidance
LEGRABOX	Chipboard back	N	184	●	–	LW / 2	●	–
	Steel back	M K C F	184	●	–	LW / 2	●	–
TANDEMBOX	Chipboard back	N	179	●	○	LW / 2	●	○
	Steel back	M K B C D	179	●	–	LW / 2	●	–
	Chipboard back	N	190	●	–	LW / 2	●	–
	Steel back	M K B C D	179	●	–	LW / 2	●	–

LW Internal cabinet width
 Z Dimension of engagement
 ● Required
 ○ Not required
 – Not possible
 ✘ Remove



Space requirement and safety distance – transformer unit housing



Attention
 Maintain a 30 mm safety distance from the bottom edge (base fixing) and/or front edge (panel fixing) and side edges of the transformer unit housing to the neighbouring elements

Air must be able to circulate, otherwise the Blum transformer could overheat

Page instructions

Overview – SERVO-DRIVE for LEGRABOX TANDEMBOX	379	Order information	386	Assembly, removal and adjustment	
Overview – LEGRABOX	219	Planning – bracket profile top	388		
Overview – TANDEMBOX intivo	271	Accessories	408		
Overview – TANDEMBOX antaro	297	Overview – assembly devices	595	Short-URL	
Overview – TANDEMBOX plus	345	More technical details	686	www.blum.com/a380	



SERVO-DRIVE uno for bottom mount waste bin solutions – LEGRABOX | TANDEMBOX

Webcode
DQE61A



- Electrical opening support system in conjunction with BLUMOTION – for silent and effortless closing action
- Suitable for individual applications
- For bottom mount waste bin solutions
- Also ideal for retrofitting
- No fixed connection to the drive system
- Pull-outs can be used unchanged
- Simple and quick assembly of pre-mounted parts



Order information

18 SERVO-DRIVE set					
Network adapter	Language package	Part no.	Network adapter	Language package	Part no.
	A	Z10NA30EA	B	A	Z10NA30BA
	B	Z10NA30EB	K	D	Z10NA30KD
	C	Z10NA30EC	U	G	Z10NA30UG
	D	Z10NA30ED	U	J	Z10NA30UJ
	E	Z10NA30EE	H	D	Z10NA30HD
	F	Z10NA30EF			

Network adapter 1

E B K U H

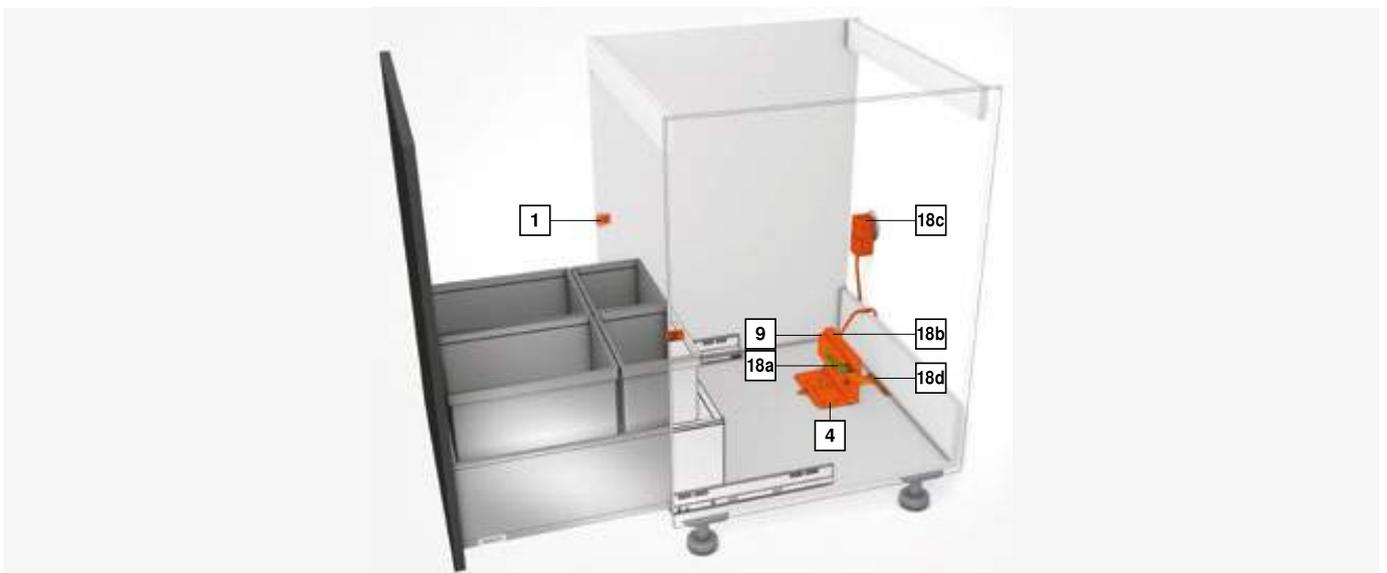
Language package

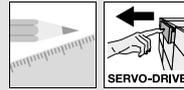
A DE, EN, FR, IT, NL E CS, HU, PL, SK
 B DA, EN, FI, NO, SV F BG, ET, LT, LV, RO, RU
 C EL, EN, HR, SL, SR, TR G EN, ES, FR
 D EN, ES, FR, IT, PT J JA

Other combinations available upon request
 Set pre-mounted
 1 See the Information chapter for a detailed market list

Composed of:

1 2 x Blum distance bumper
 4 1 x Attachment bracket 1 tier
 9 1 x Drive unit
 18a 1 x Transport protection
 18b 1 x Protection against dripping water
 18c 1 x Blum plug-in transformer 12 W
 18d 1 x Assembly
 – 7 x Screws for Blum distance bumper and attachment bracket
 – 1 x Installation instructions
 – 1 x Instruction leaflet



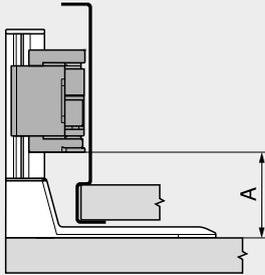


SERVO-DRIVE uno for bottom mount waste bin solutions – LEGRABOX | TANDEMBOX

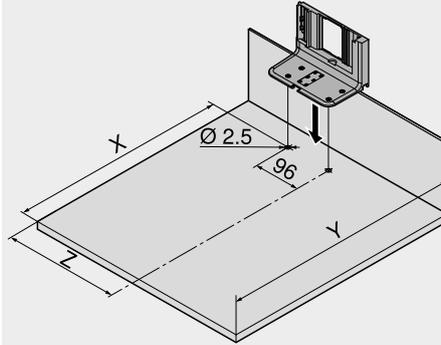
Webcode
DQE61A

Planning

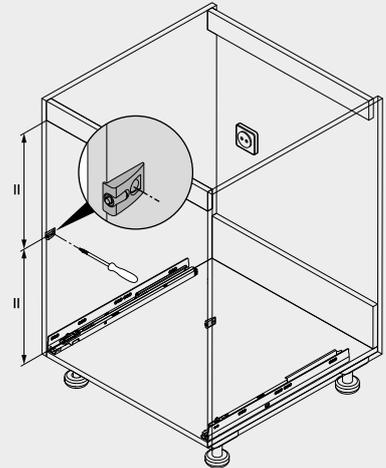
Position – drive unit



Drilling distances – base



Position – Blum distance bumper



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

Box systems	Internal cabinet width LW (mm) ≥ 387	
	A min. (mm)	A max. (mm)
LEGRABOX	45	47
TANDEMBOX	28	43

A Distance between the bottom edge of the attachment bracket and the bottom edge of the drive unit

Back	Internal cabinet width LW (mm) ≥ 387		
	X (mm)	Y (mm)	Z (mm)
Chipboard back	NL – 45	NL + 35	LW / 2
Steel back	NL – 62	NL + 18	LW / 2

NL Nominal length
X Drilling position
Y Min. space requirement
Z Dimension of engagement

Page instructions

Overview – SERVO-DRIVE for LEGRABOX TANDEMBOX	379	SERVO-DRIVE uno – market list	706
Overview – LEGRABOX	219	Overview – assembly devices	595
Overview – TANDEMBOX intivo	271	More technical details	686
Overview – TANDEMBOX antaro	297		
Overview – TANDEMBOX plus	345		

Assembly, removal and adjustment



Short-URL

www.blum.com/a380



SERVO-DRIVE uno for top mount waste bin solutions – TANDEMBOX

Webcode
DQE6QM



- Electrical opening support system in conjunction with BLUMOTION – for silent and effortless closing action
- Suitable for individual applications
- For top mount waste bin solutions
- Also ideal for retrofitting
- No fixed connection to the drive system
- Pull-outs can be used unchanged
- Simple and quick assembly of pre-mounted parts



Order information

18 SERVO-DRIVE set				
	Cabinet width KB (mm)	Part no.	Cabinet width KB (mm)	Part no.
	450	Z10T393Wxy1	600	Z10T543Wxy1
	500	Z10T443Wxy1	800	Z10T743Wxy1
	550	Z10T493Wxy1	900	Z10T843Wxy1

Network adapter (x)							
E	B	K	U	R	N	A	1

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

Set pre-mounted
 1 See the Information chapter for a detailed market list

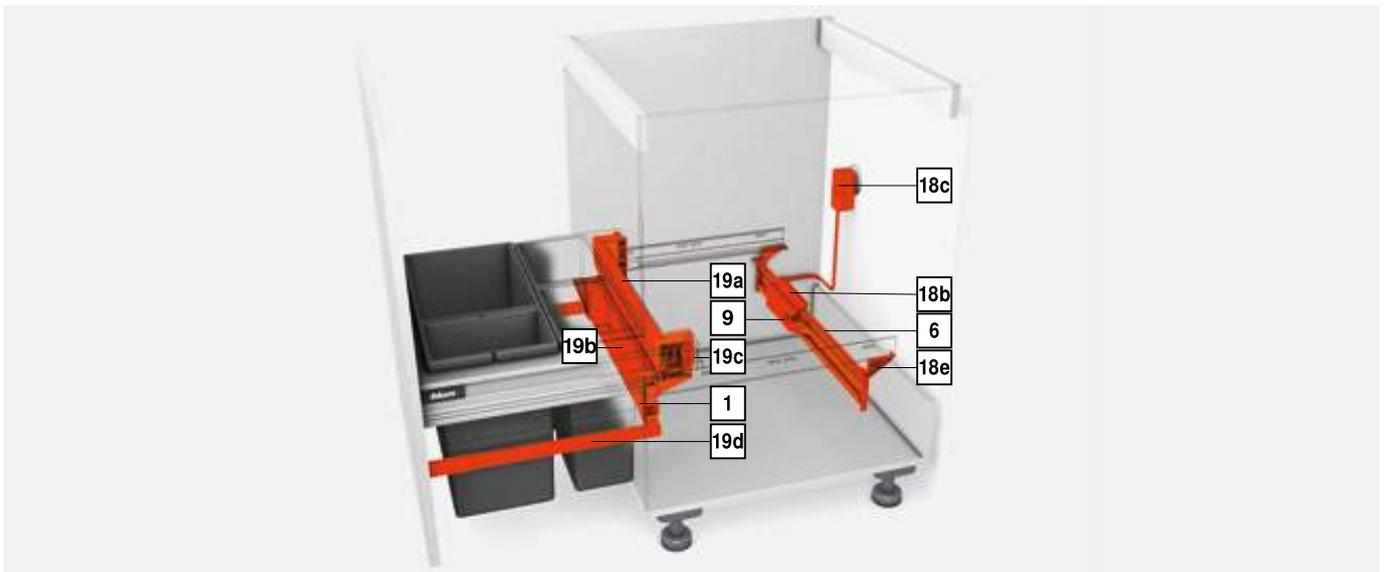
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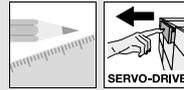
1	2 x Blum distance bumper
6	1 x Bracket profile horizontal
7b	1 x Bracket profile adapter for drive unit
9	1 x Drive unit
18b	1 x Protection against dripping water
18c	1 x Blum plug-in transformer 12 W
18e	1 x Bracket profile attachment left/right
-	1 x Installation instructions
-	1 x Instruction leaflet

19 Special back set		
	Colour	RAL 9006 grey (white aluminium)
Cabinet width KB (mm)	Cabinet side panel thickness (mm)	
	15/16	18/19
450	Z30M389S0W	Z30M383S0W
500	Z30M439S0W	Z30M433S0W
550	Z30M489S0W	Z30M483S0W
600	Z30M539S0W	Z30M533S0W
800		Z30M733S0W
900	Z30M839S0W	Z30M833S0W

Composed of:

19a	1 x Steel back height M
19b	1 x Steel back for waste bin pull-out
19c	1 x Attachment left/right
19d	1 x Longside gallery rail left/right



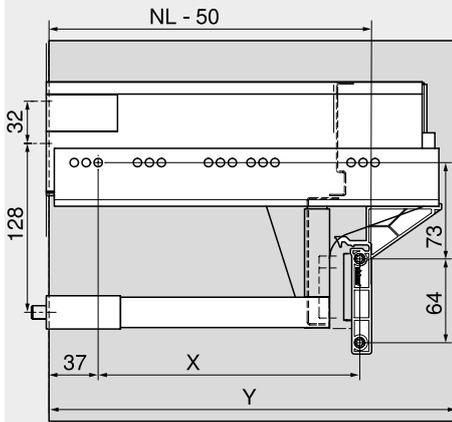


SERVO-DRIVE uno for top mount waste bin solutions – TANDEMBOX

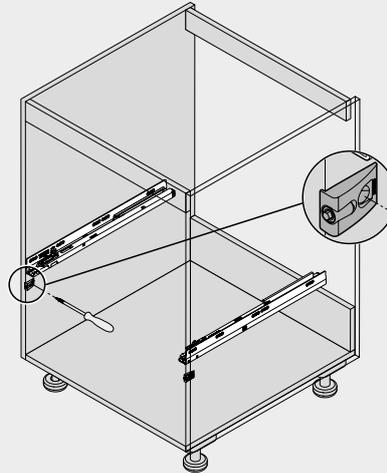
Webcode
DQE6QM

Planning

Position – bracket profile attachment



Position – Blum distance bumper



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

Box systems	Cabinet width KB (mm) 450–900	
	X (mm)	Y (mm)
TANDEMBOX	NL – 96	NL + 3
NL	Nominal length	
X	Drilling position	
Y	Min. space requirement	

Page instructions

Overview – SERVO-DRIVE for LEGRABOX TANDEMBOX	379
Overview – TANDEMBOX intivo	271
Overview – TANDEMBOX antaro	297
Overview – TANDEMBOX plus	345
SERVO-DRIVE uno – market list	706

Overview – assembly devices	595
More technical details	686

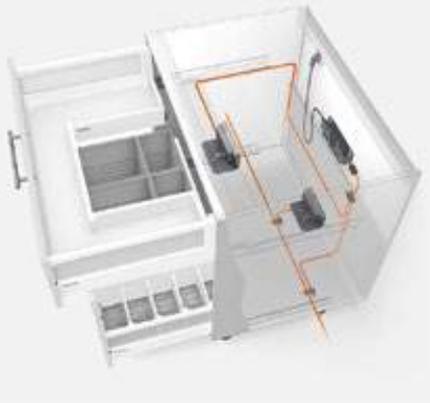
Assembly, removal and adjustment



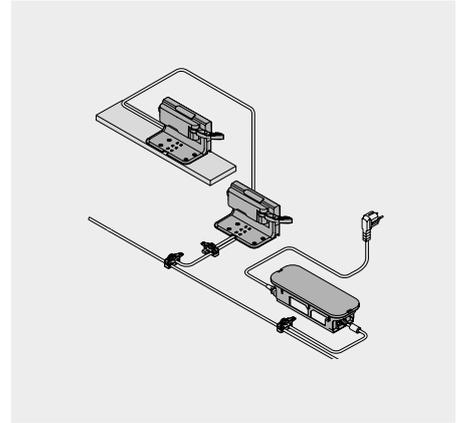
Short-URL
www.blum.com/a380



Sink cabinet



- Electrical opening support system in conjunction with BLUMOTION – for silent and effortless closing action
- With attachment bracket
- No fixed connection to the drive system
- Pull-outs can be used unchanged
- Quick assembly of pre-mounted parts



Order information

1	Blum distance bumper	Part no.
	Diameter (mm)	993.0530
	Ø 5 Ø 8	993.0830.01

Up to front height 300 mm use 2 pcs.
Front height 300 mm and higher use 4 pcs.
For LEGRABOX 70 kg runner, use 4 pcs.
For TANDEMBOX 65 kg runner, use 4 pcs.

5	Attachment bracket 1 tier	Part no.
	Material Nylon	Colour R7037

9	Drive unit	Part no.
	Material Nylon	Colour R7037

Includes pre-assembled lever extension

9a	Protection against dripping water	Part no.
	Material Nylon	Colour R7037

11	Distribution cable and cable end protector	Part no.
	Length (mm) 8	Colour S

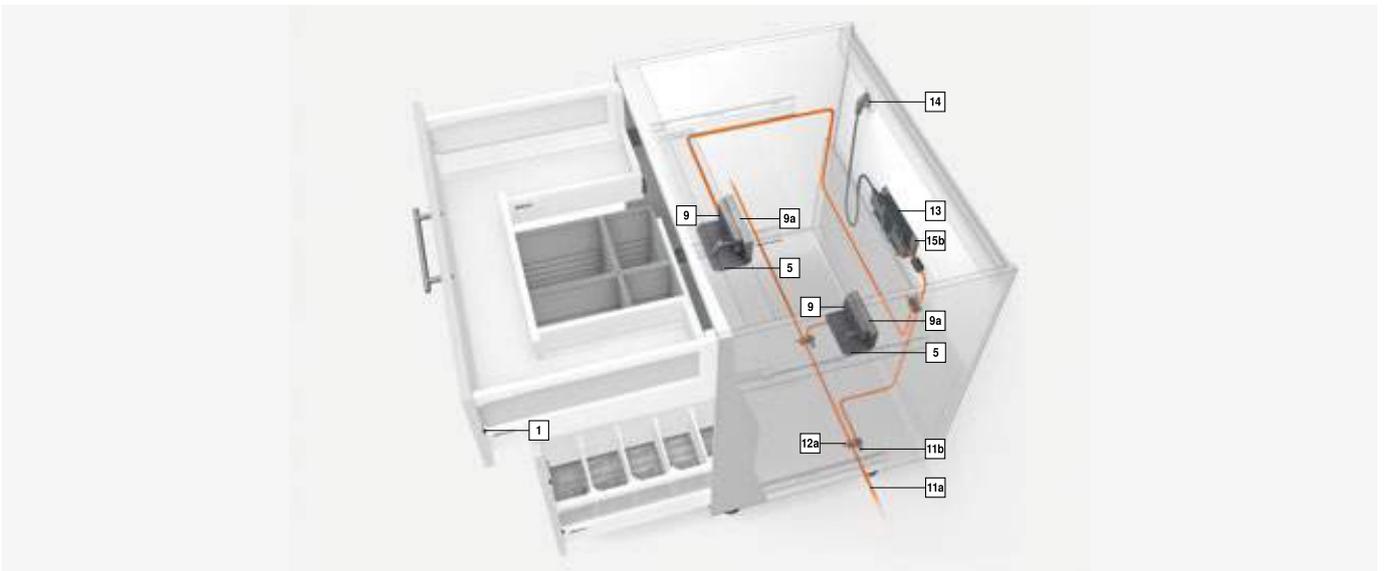
Composed of:
11a 1 x Distribution cable
11b 5 x Cable end protector
 Can be used as a distribution, bracket profile and communications cable
 For cutting to size

12	Connecting node and cable end protector	Part no.
	Material Nylon	Colour S

Composed of:
12a 1 x Connecting node
11b 2 x Cable end protector

13	Blum transformer 24 W	Part no.	Language package	Part no.
	A	Z10NE030A	E	Z10NE030E
	B	Z10NE030B	F	Z10NE030F
	C	Z10NE030C	G	Z10NE030G
	D	Z10NE030D	H	Z10NE030H

Incl. instruction leaflet and installation instructions
 Without flex
Language package
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
 Language descriptions as per ISO-639





Sink cabinet

Order information

14	Flex	Part no.	Market	Part no.
	Market			
	Europe	Z10M200E	CH	Z10M200C
	US, CA	Z10M200U	JP	Z10M200J
	BR	Z10M200S.01	UK	Z10M200B
	DK	Z10M200D	IL	Z10M200I
	AU	Z10M200K	CN	Z10M200N
	AR	Z10M200A	IN	Z10M200H
	CL	Z10M200L	TW	Z10M200T
	ZA	Z10M200Z	Europe	Z10M200E.OS

¹ Without plug

15a Transformer unit housing

Base fixing

Material	Colour	Part no.
Nylon	R7037	Z10NG000

Incl. cover
For Blum transformer 24 W

Alternative to 15a

15b Transformer unit housing

Panel fixing

Material	Colour	Part no.
Nylon	WGR	Z10NG120

For Blum transformer 24 W

Accessories

Cable holder			
Material	Colour	Part no.	
Nylon	W	Z10K0009	

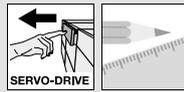
For example, for securing the distribution cable

Front/base stabiliser			
Material	Colour	Part no.	
Nylon	R7037	Z96.10E1	

Colour		Colour	
R7037	RAL 7037 dust grey	WGR	White grey
S	Black	W	White

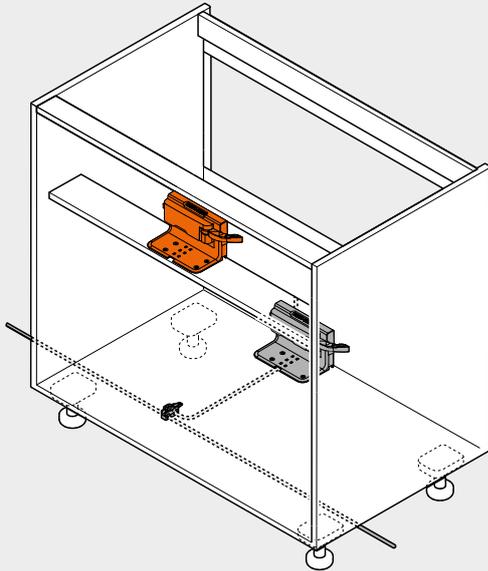
Page instructions

Overview – SERVO-DRIVE for LEGRABOX TANDEMBOX	379	Accessories	408	Assembly, removal and adjustment	
Overview – LEGRABOX	219	Overview – assembly devices	595		
Overview – TANDEMBOX intivo	271	More technical details	686		
Overview – TANDEMBOX antaro	297			Short-URL	
Overview – TANDEMBOX plus	345			www.blum.com/a380	
Planning	398				

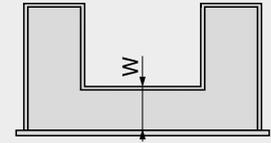
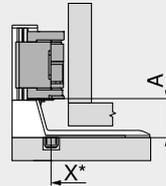


Sink cabinet

Planning
 Cabinet



Cross member – attachment bracket 1 tier

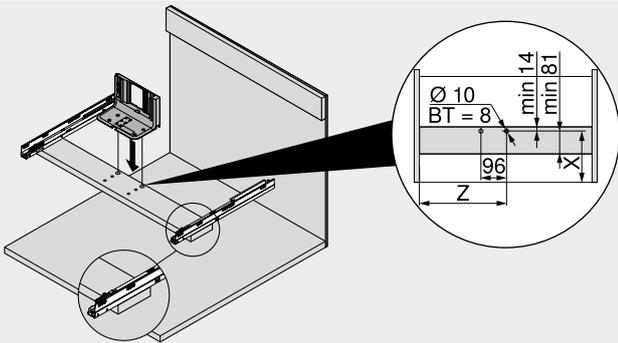


LEGRABOX TANDEMBOX	W	Distance between the front edge of the drawer base and the centre piece
Centre piece		NL drawer side exterior – NL drawer side interior
X		Drilling position
*		Measured from cabinet front edge
		LEGRABOX: min. 150 mm
		TANDEMBOX: min. 100 mm

Box systems	Back	Back height	A (mm)
LEGRABOX	Centre piece	N M K C F	45
TANDEMBOX	Centre piece	N	28
		M K B C D	35

A Distance between the bottom edge of the attachment bracket and the bottom edge of the drive unit

Cross member – attachment bracket 1 tier

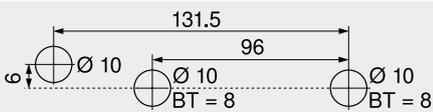
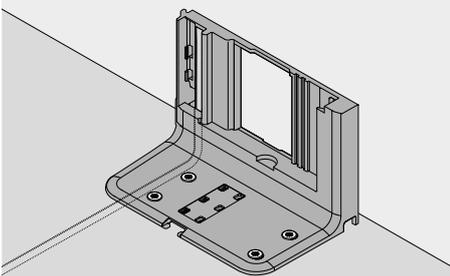


Box systems	Back	Back height	Internal cabinet width LW (mm)			
			≥ 387			
			Nominal length exterior NL (mm)			
			400		450–650	
			X (mm)	Z (mm)	X (mm)	Z (mm)
LEGRABOX	Centre piece	N M K C F	157	LW / 2	177	LW / 2
TANDEMBOX	Centre piece	N M K B C D	W + 27	LW / 2	W + 27	LW / 2

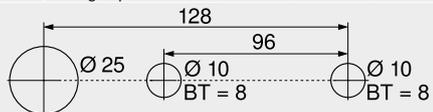
X Drilling position
 Z Dimension of engagement
 W Distance between the front edge of the drawer base and the centre piece
 BT Drilling depth

Cabinet bottom – drilling pattern

Lower cabling

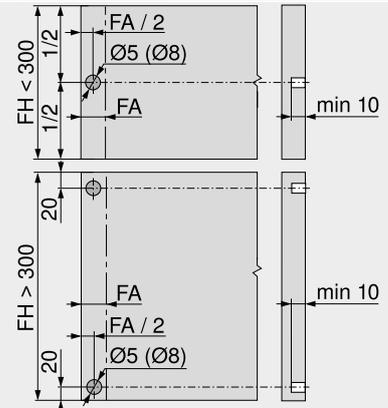


BT Drilling depth

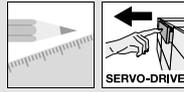


Alternative drilling pattern for PRO-CENTER and MINIPRESS
 BT Drilling depth

Front assembly – position of Blum distance bumper

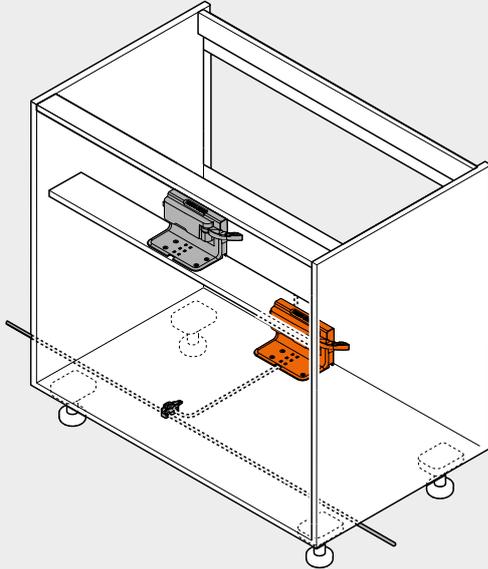


The Blum distance bumper creates and maintains the required trigger path of 2 mm
 When using a 70 kg LEGRABOX or 65 kg TANDEMBOX runner, attach four Blum distance bumpers
 For optimal trigger function for front height FH > 300 mm, use front stabilisation
 FA Front overlay
 FH Front height

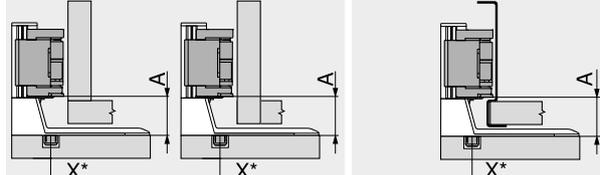


Sink cabinet

Planning Cabinet



Cabinet bottom – attachment bracket 1 tier

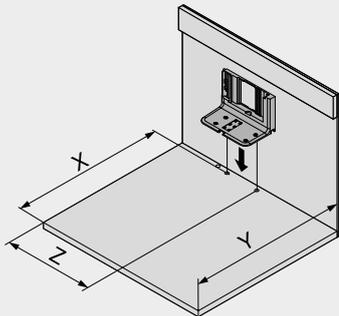


LEGRABOX Chipboard back	TANDEMBOX Chipboard back	LEGRABOX TANDEMBOX Steel back
X Drilling position	X Drilling position	X Drilling position
* Measured from cabinet front edge	* Measured from cabinet front edge	* Measured from cabinet front edge

Box systems	Back	Back height	Internal cabinet width LW (mm)
			≥ 387 A (mm)
LEGRABOX	Chipboard back	N M K C F	45
	Steel back	N	–
TANDEMBOX	Chipboard back	M K C F	45
		N	28
	Steel back	M K B C D	35
		N	28
		M K B C D	35

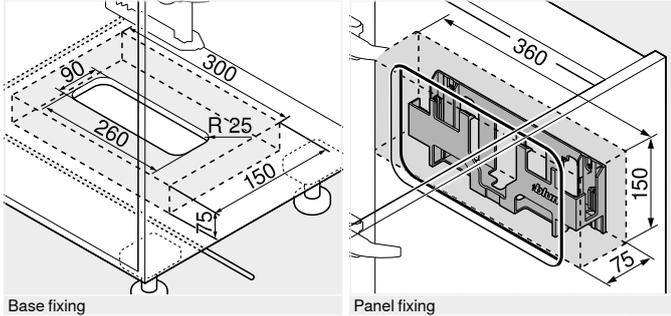
A Distance between the bottom edge of the attachment bracket and the bottom edge of the drive unit
– Not possible

Cabinet bottom – attachment bracket 1 tier



Back	X (mm)	Y (mm)	Z (mm)
Chipboard back	NL + 19	NL + 33	LW / 2
Steel back	NL + 2	NL + 16	LW / 2
LW	Internal cabinet width		
NL	Nominal length		
X	Drilling position		
Y	Min. space requirement		
Z	Dimension of engagement		

Space requirement and safety distance – transformer unit housing



Attention

Maintain a 30 mm safety distance from the bottom edge (base fixing) and/or front edge (panel fixing) and side edges of the transformer unit housing to the neighbouring elements

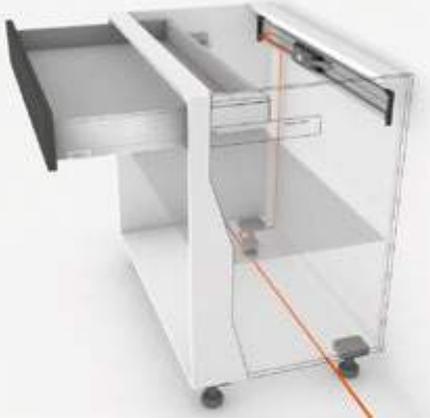
Air must be able to circulate, otherwise the Blum transformer could overheat

Page instructions

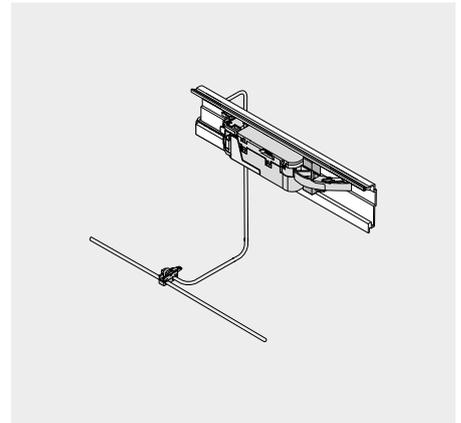
Overview – SERVO-DRIVE for LEGRABOX TANDEMBOX	379	Order information	396	Assembly, removal and adjustment	
Overview – LEGRABOX	219	Accessories	408		
Overview – TANDEMBOX intivo	271	Overview – assembly devices	595	Short-URL	
Overview – TANDEMBOX antaro	297	More technical details	686		
Overview – TANDEMBOX plus	345				
				www.blum.com/a380	



Cabinet with pull-out element – bracket profile horizontal



- Electrical opening support system in conjunction with BLUMOTION – for silent and effortless closing action
- With attachment bracket and horizontal bracket profile
- No fixed connection to the drive system
- Pull-outs can be used unchanged
- Quick assembly of pre-mounted parts



Order information

1	Blum distance bumper		
	Diameter (mm)		Part no.
	Ø 5		993.0530
	Ø 8		993.0830.01

Up to front height 300 mm use 2 pcs.
 Front height 300 mm and higher use 4 pcs.
 For LEGRABOX 70 kg runner, use 4 pcs.
 For TANDEMBOX 65 kg runner, use 4 pcs.

6	Bracket profile horizontal		
	Material	Length (mm)	Part no.
	Aluminium	1143	Z10T1143B

For cabinet width KB 275–1200 mm
a Cutting Internal cabinet width LW – 19 mm

7	Horizontal bracket profile attachment		
	Material	Colour	Part no.
	Nylon	R7037	Z10D5210

Composed of:
7a 1 x Bracket profile attachment left/right
7b 1 x Bracket profile adapter for drive unit
 Chipboard screws and system screws can be used

9	Drive unit		
	Material	Colour	Part no.
	Nylon	R7037	Z10A3000.03

Includes pre-assembled lever extension

10	Trigger guidance for chipboard back		
	Box systems	Colour	Part no.
	TANDEMBOX	R7037	Z10A3H00

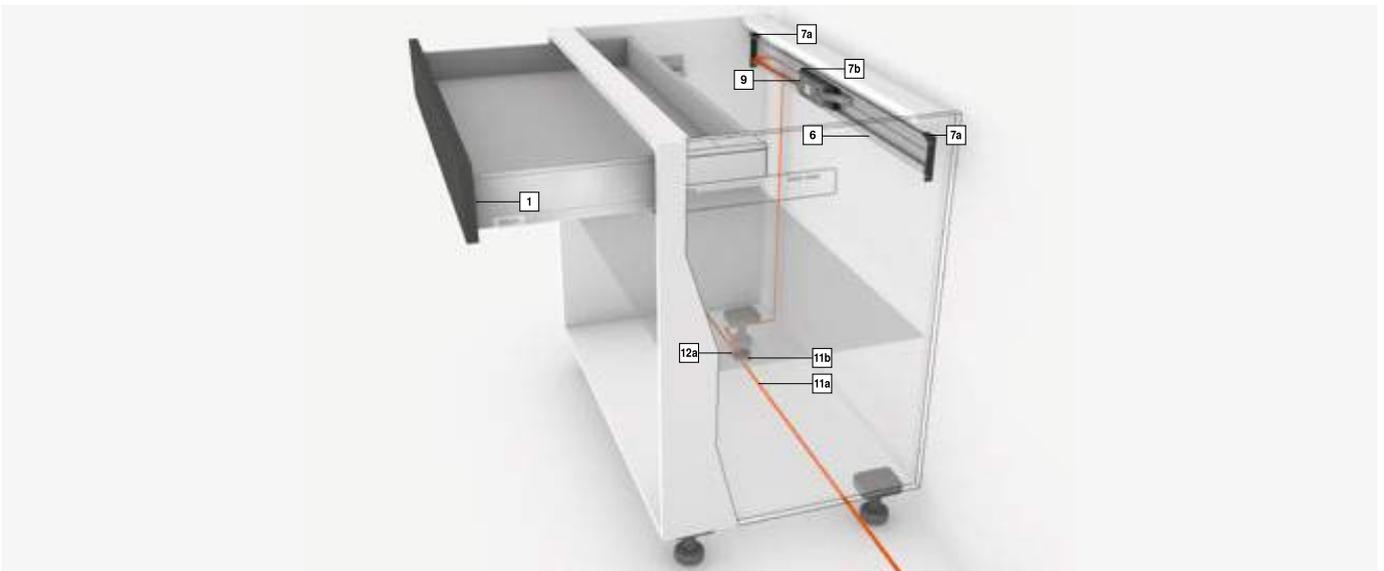
Chipboard back
 Required for internal cabinet widths (LW) of 242–316 mm

11	Distribution cable and cable end protector		
	Length (mm)	Colour	Part no.
	8	S	Z10K800AE

Composed of:
11a 1 x Distribution cable
11b 5 x Cable end protector
 Can be used as a distribution, bracket profile and communications cable
 For cutting to size

12	Connecting node and cable end protector		
	Material	Colour	Part no.
	Nylon	S	Z10V100E.01

Composed of:
12a 1 x Connecting node
11b 2 x Cable end protector





Cabinet with pull-out element – bracket profile horizontal

Order information

13 Blum transformer 24 W			
Language package	Part no.	Language package	Part no.
A	Z10NE030A	E	Z10NE030E
B	Z10NE030B	F	Z10NE030F
C	Z10NE030C	G	Z10NE030G
D	Z10NE030D	H	Z10NE030H

Incl. instruction leaflet and installation instructions
Without flex

Language package

A	DE, EN, FR, IT, NL	E	CS, HU, PL, SK
B	DA, EN, FI, NO, SV	F	BG, ET, LT, LV, RO, RU
C	EL, EN, HR, SL, SR, TR	G	EN, ES, FR
D	EN, ES, FR, IT, PT	H	EN, ZH

Language descriptions as per ISO-639

14 Flex			
Market	Part no.	Market	Part no.
Europe	Z10M200E	CH	Z10M200C
US, CA	Z10M200U	JP	Z10M200J
BR	Z10M200S.01	UK	Z10M200B
DK	Z10M200D	IL	Z10M200I
AU	Z10M200K	CN	Z10M200N
AR	Z10M200A	IN	Z10M200H
CL	Z10M200L	TW	Z10M200T
ZA	Z10M200Z	Europe	Z10M200E.OS

¹ Without plug

15a Transformer unit housing			
Base fixing			
Material	Colour	Part no.	
Nylon	R7037	Z10NG000	

Incl. cover
For Blum transformer 24 W

Alternative to 15a

15b Transformer unit housing			
Panel fixing			
Material	Colour	Part no.	
Nylon	WGR	Z10NG120	

For Blum transformer 24 W

a Accessories

- Cable holder			
Material	Colour	Part no.	
Nylon	W	Z10K0009	

For example, for securing the distribution cable

- Front/base stabiliser			
Material	Colour	Part no.	
Nylon	R7037	Z96.10E1	

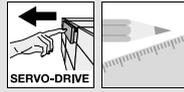
- COMBOX set			
Material	Colour	Part no.	
Nylon	S	Z10ZC00A	

For preventing front collisions when using SERVO-DRIVE in corner situations
Suitable starting with drive unit Z10A3000.02
Includes all assembly and cabling components

Colour		Colour	
R7037	RAL 7037 dust grey	WGR	White grey
S	Black	W	White

Page instructions

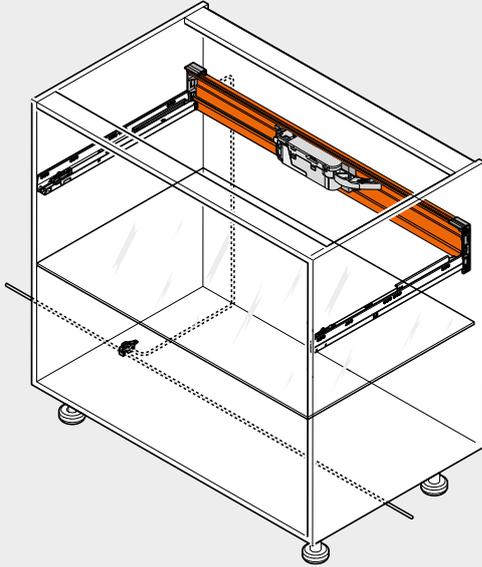
Overview – SERVO-DRIVE for LEGRABOX TANDEMBOX	379	Accessories	408	Assembly, removal and adjustment	
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Overview – TANDEMBOX intivo	271	More technical details	686		
Overview – TANDEMBOX antaro	297				Short-URL
Overview – TANDEMBOX plus	345				www.blum.com/a380
Planning	402				



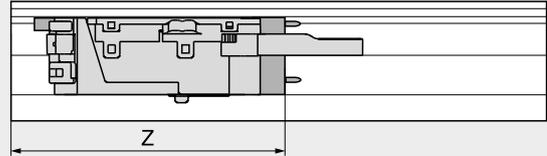
Cabinet with pull-out element – bracket profile horizontal

Planning

Cabinet



Position – drive unit

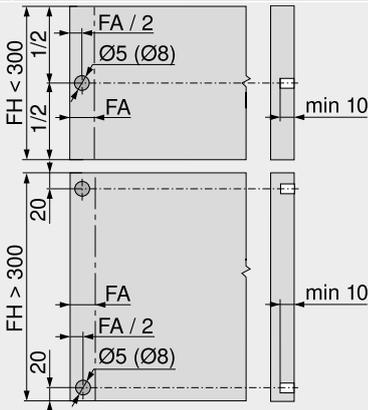


Z Dimension of engagement

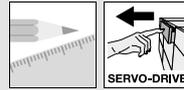
Position – drive unit

Box systems	Back	Back height	Internal cabinet width LW (mm)			
			242–266 Z (mm)	267–286 Z (mm)	287–386 Z (mm)	387–1170 Z (mm)
LEGRABOX	Chipboard back	N M K C F	–	182	193 182	LW / 2 LW / 2
	Steel back	N M K C F	–	182	– 182	– LW / 2
TANDEMBOX	Chipboard back	N M K B C D	182	182	193 182	LW / 2 LW / 2
	Steel back	N M K B C D	–	193 182	193 182	LW / 2 LW / 2
Z	Dimension of engagement		–	Not possible		

Front assembly – position of Blum distance bumper



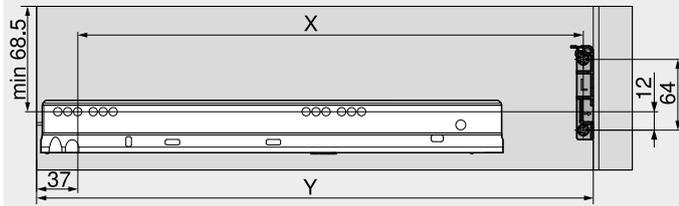
The Blum distance bumper creates and maintains the required trigger path of 2 mm
 When using a 70 kg LEGRABOX or 65 kg TANDEMBOX runner, attach four Blum distance bumpers
 For optimal trigger function for front height FH > 300 mm, use front stabilisation
 FA Front overlay
 FH Front height



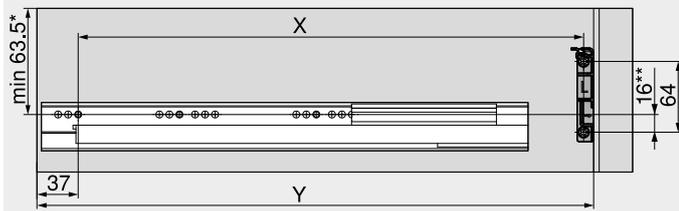
Cabinet with pull-out element – bracket profile horizontal

Planning

Drilling distances



LEGRABOX



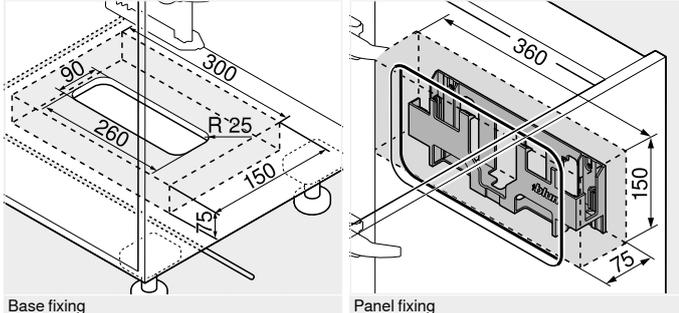
TANDEMBOX

- * 55 mm for back height N
- ** 24 mm for back height N

Back	X (mm)	Y (mm)
Chipboard back	NL - 9	NL + 37
Steel back	NL - 26	NL + 20
NL	Nominal length	
X	Drilling position	
Y	Min. space requirement	

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

Space requirement and safety distance – transformer unit housing



Base fixing

Panel fixing

Attention

Maintain a 30 mm safety distance from the bottom edge (base fixing) and/or front edge (panel fixing) and side edges of the transformer unit housing to the neighbouring elements

Air must be able to circulate, otherwise the Blum transformer could overheat

Page instructions

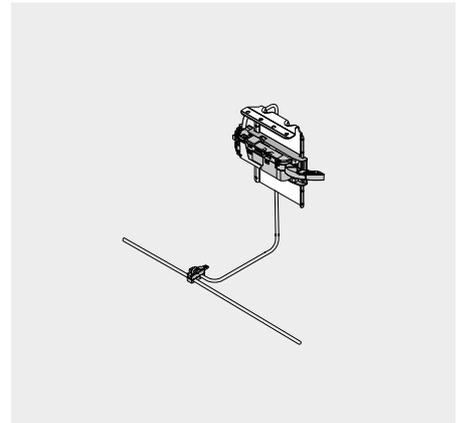
Overview – SERVO-DRIVE for LEGRABOX TANDEMBOX	379	Order information	400	Assembly, removal and adjustment	
		Accessories	408		
Overview – LEGRABOX	219	Overview – assembly devices	595		
Overview – TANDEMBOX intivo	271	More technical details	686	Short-URL	
Overview – TANDEMBOX antaro	297			www.blum.com/a380	
Overview – TANDEMBOX plus	345				



Cabinet with pull-out element – upper attachment bracket



- Electrical opening support system in conjunction with BLUMOTION – for silent and effortless closing action
- With upper attachment bracket
- No fixed connection to the drive system
- Pull-outs can be used unchanged
- Quick assembly of pre-mounted parts



Order information

1	Blum distance bumper	Part no.
	Diameter (mm)	993.0530
	Ø 5 Ø 8	993.0830.01

Up to front height 300 mm use 2 pcs.
 Front height 300 mm and higher use 4 pcs.
 For LEGRABOX 70 kg runner, use 4 pcs.
 For TANDEMBOX 65 kg runner, use 4 pcs.

8	Upper attachment bracket	Part no.
	Material Steel	Colour R7037/ZN

Incl. pre-mounted adapter for the drive unit

9	Drive unit	Part no.
	Material Nylon	Colour R7037

Includes pre-assembled lever extension

10	Lever cap	Part no.
	Box systems	Colour
	LEGRABOX	S

Steel back
 Required from height M and internal cabinet widths (LW) of 267–286 mm

10	Trigger guidance for chipboard back	Part no.
	Box systems	Colour
	TANDEMBOX	R7037

Chipboard back
 Required for internal cabinet widths (LW) of 242–316 mm

11	Distribution cable and cable end protector	Part no.
	Length (mm)	Colour
	8	S

Composed of:
11a 1 x Distribution cable
11b 5 x Cable end protector
 Can be used as a distribution, bracket profile and communications cable
 For cutting to size

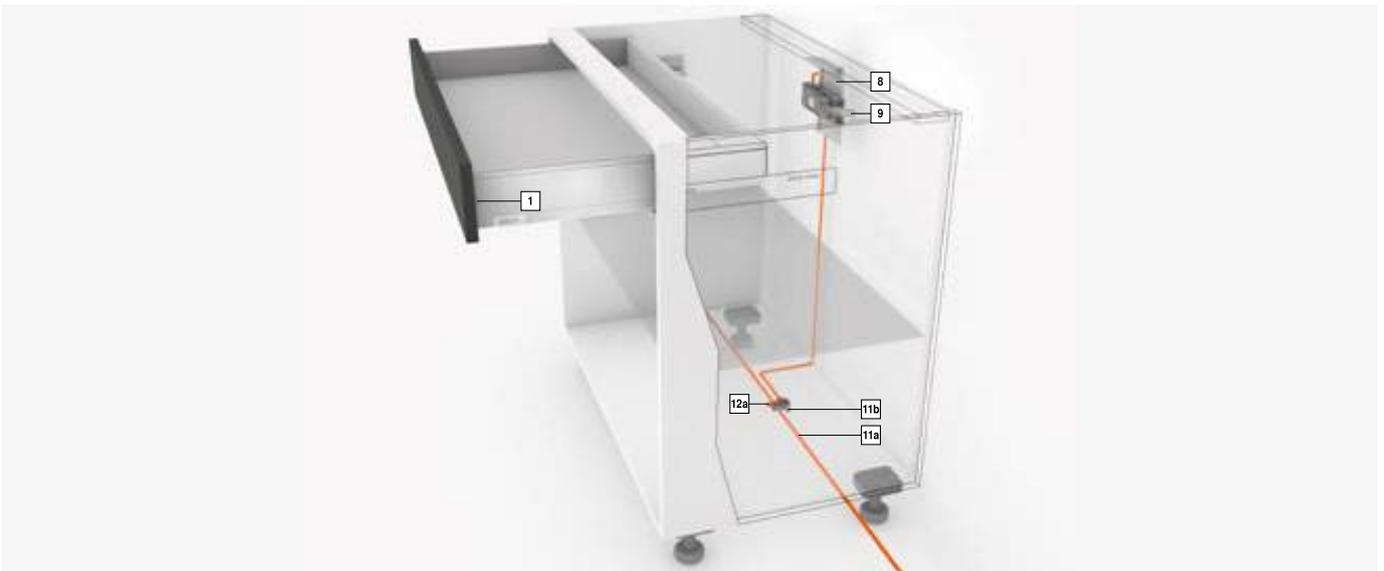
12	Connecting node and cable end protector	Part no.
	Material Nylon	Colour S

Composed of:
12a 1 x Connecting node
11b 2 x Cable end protector

13	Blum transformer 24 W	Part no.	Language package	Part no.
	Language package	Z10NE030A	E	Z10NE030E
	A	Z10NE030B	F	Z10NE030F
	B	Z10NE030C	G	Z10NE030G
	C	Z10NE030D	H	Z10NE030H

D DE, EN, FR, IT, NL
E CS, HU, PL, SK
F BG, ET, LT, LV, RO, RU
G EN, ES, FR
H EN, ZH

Incl. instruction leaflet and installation instructions
 Without flex
Language package
 Language descriptions as per ISO-639





Cabinet with pull-out element – upper attachment bracket

Order information

14	Flex	Part no.	Market	Part no.
	Market			
	Europe	Z10M200E	CH	Z10M200C
	US, CA	Z10M200U	JP	Z10M200J
	BR	Z10M200S.01	UK	Z10M200B
	DK	Z10M200D	IL	Z10M200I
	AU	Z10M200K	CN	Z10M200N
	AR	Z10M200A	IN	Z10M200H
	CL	Z10M200L	TW	Z10M200T
	ZA	Z10M200Z	Europe	Z10M200E.OS

¹ Without plug

15a Transformer unit housing

Base fixing	Material	Colour	Part no.
	Nylon	R7037	Z10NG000

Incl. cover
For Blum transformer 24 W

Alternative to 15a

15b Transformer unit housing

Panel fixing	Material	Colour	Part no.
	Nylon	WGR	Z10NG120

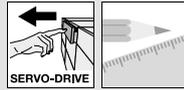
For Blum transformer 24 W

a Accessories

	Cable holder		
	Material	Colour	Part no.
	Nylon	W	Z10K0009
For example, for securing the distribution cable			
	Front/base stabiliser		
	Material	Colour	Part no.
	Nylon	R7037	Z96.10E1
	COMBOX set		
	Material	Colour	Part no.
	Nylon	S	Z10ZC00A
For preventing front collisions when using SERVO-DRIVE in corner situations Suitable starting with drive unit Z10A3000.02 Includes all assembly and cabling components			
	Colour	Colour	
	R7037	RAL 7037 dust grey	W White
	S	Black	ZN Zinc plated
	WGR	White grey	

Page instructions

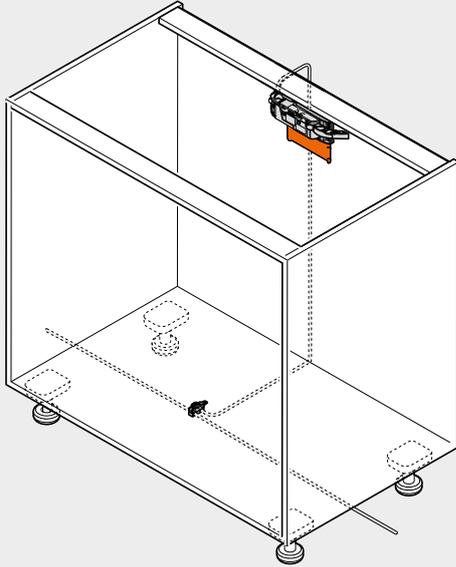
Overview – SERVO-DRIVE for LEGRABOX TANDEMBOX	379	Accessories	408	Assembly, removal and adjustment	
Overview – LEGRABOX	219	Overview – assembly devices	595		
Overview – TANDEMBOX intivo	271	More technical details	686		
Overview – TANDEMBOX antaro	297			Short-URL	
Overview – TANDEMBOX plus	345			www.blum.com/a380	
Planning	406				



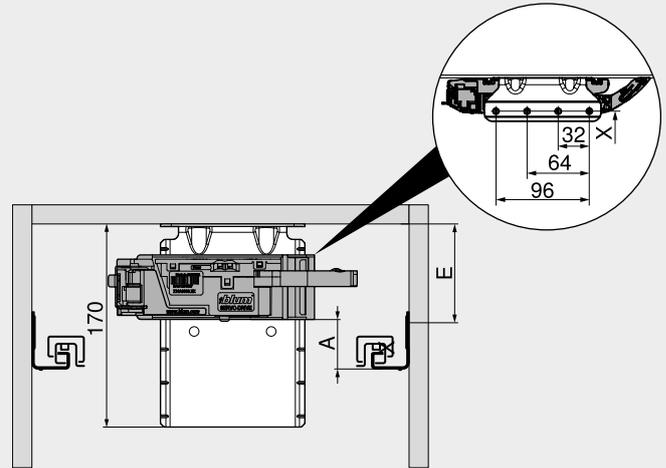
Cabinet with pull-out element – upper attachment bracket

Planning

Cabinet



Position – drive unit



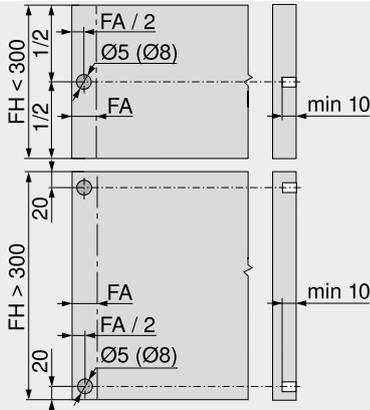
A Distance between the bottom edge of the cabinet profile and the bottom edge of the drive unit
 E Distance between the bottom edge of the cabinet top panel and the fixing position of the cabinet profile
 X Drilling position
 The cross bar must be connected to the work plate to make it secure

Position – drive unit

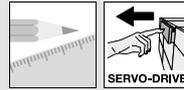
Box systems	Back	Back height	Internal cabinet width LW (mm)											
			242–266			267–286			287–316			≥ 317		
			A (mm)	E min. (mm)	E max. (mm)	A (mm)	E min. (mm)	E max. (mm)	A (mm)	E min. (mm)	E max. (mm)	A (mm)	E min. (mm)	E max. (mm)
LEGRABOX	Chipboard back	N	–	–	–	–	–	–	45	84	174	45	84	174
		M K C F	–	–	–	45	84	174	45	84	174	45	84	174
TANDEMBOX	Chipboard back	N	–	–	–	–	–	–	–	–	–	–	–	–
		M K B C D	35	79	180	35	79	180	35	79	180	28	79	180
TANDEMBOX	Steel back	N	–	–	–	–	–	–	28	79	180	28	79	180
		M K B C D	–	–	–	35	79	180	35	79	180	35	79	180

A Distance between the bottom edge of the cabinet profile and the bottom edge of the drive unit – Not possible
 E Distance between the bottom edge of the cabinet top panel and the fixing position of the cabinet profile

Front assembly – position of Blum distance bumper



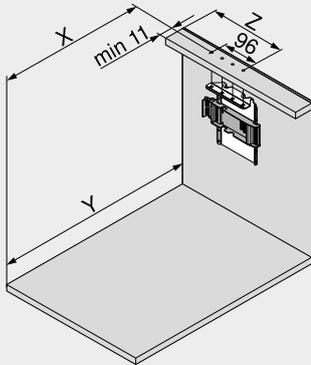
The Blum distance bumper creates and maintains the required trigger path of 2 mm
 When using a 70 kg LEGRABOX or 65 kg TANDEMBOX runner, attach four Blum distance bumpers
 For optimal trigger function for front height FH > 300 mm, use front stabilisation
 FA Front overlay
 FH Front height



Cabinet with pull-out element – upper attachment bracket

Planning

Drilling distances



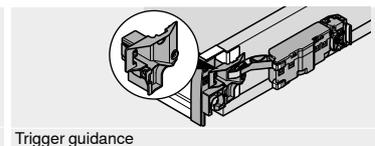
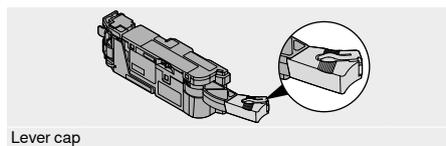
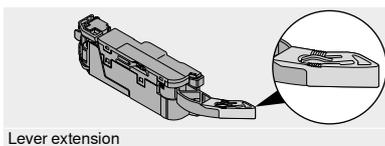
Back	X (mm)	Y (mm)
Chipboard back	NL - 1	NL + 34
Steel back	NL - 18	NL + 17
NL	Nominal length	
X	Drilling position	
Y	Min. space requirement	
Z	Dimension of engagement	

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

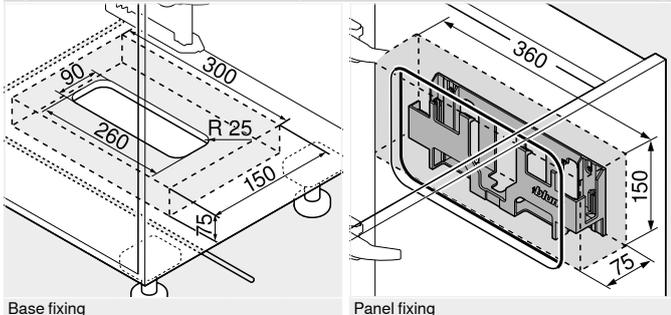
Box systems	Back	Back height	Internal cabinet width LW (mm)									
			242–266			267–286			287–316			
			Z (mm)	Lever extension	Trigger guidance	Z (mm)	Lever extension	Trigger guidance	Lever cap	Z (mm)	Lever extension	Trigger guidance
LEGRABOX	Chipboard back	N	–	–	–	184	●	–	–	184	●	–
	Steel back	M K C F	–	–	–	184	●	–	–	184	●	–
TANDEMBOX	Chipboard back	N	179	×	●	179	●	●	–	179	●	●
	Steel back	M K B C D	–	–	–	–	–	–	–	190	×	–

Box systems	Back	Back height	Internal cabinet width LW (mm)					
			317–386			≥ 387		
			Z (mm)	Lever extension	Trigger guidance	Z (mm)	Lever extension	Trigger guidance
LEGRABOX	Chipboard back	N	184	●	–	LW / 2	●	–
	Steel back	M K C F	184	●	–	LW / 2	●	–
TANDEMBOX	Chipboard back	N	179	●	○	LW / 2	●	○
	Steel back	M K B C D	179	●	–	LW / 2	●	–
	Chipboard back	N	190	●	–	LW / 2	●	–
	Steel back	M K B C D	179	●	–	LW / 2	●	–

LW Internal cabinet width
 Z Dimension of engagement
 ● Required
 ○ Not required
 – Not possible
 × Remove



Space requirement and safety distance – transformer unit housing



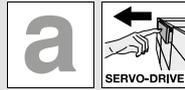
Attention
 Maintain a 30 mm safety distance from the bottom edge (base fixing) and/or front edge (panel fixing) and side edges of the transformer unit housing to the neighbouring elements

Air must be able to circulate, otherwise the Blum transformer could overheat

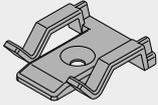
Page instructions

Overview – SERVO-DRIVE for LEGRABOX TANDEMBOX	379	Order information	404	Assembly, removal and adjustment	
Overview – LEGRABOX	219	Accessories	408		
Overview – TANDEMBOX intivo	271	Overview – assembly devices	595	Short-URL	
Overview – TANDEMBOX antaro	297	More technical details	686		
Overview – TANDEMBOX plus	345				

www.blum.com/a380



Cable holder

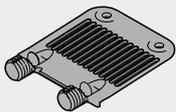


- Material: nylon
- Colour: white

Order information

Description	Part no.
Cable holder	Z10K0009

Front/base stabiliser



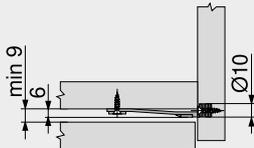
- For stabilising wide and high fronts
- Reinforces the connection between the drawer side and the front

Order information

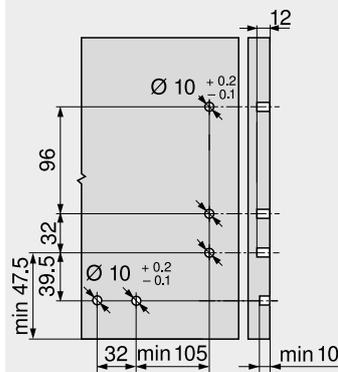
Fixing method	Colour	Part no.
EXPANDO	RAL 7037 dust grey	Z96.10E1

Planning

Space requirement in cabinet

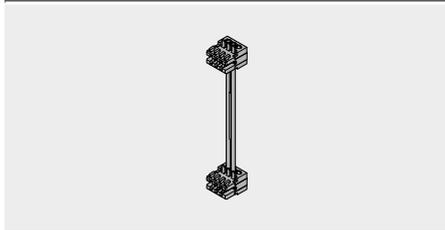


Drilling distances – front





Synchronisation cable

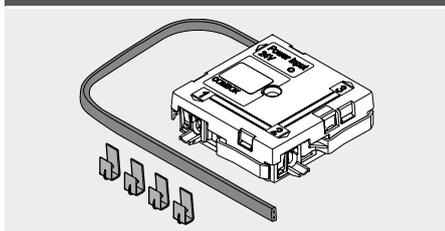


- Connects two drive units that need to activate simultaneously

Order information

Length (mm)	Part no.
80	Z10K008S
500	Z10K050S
1200	Z10K120S
1600	Z10K160S

COMBOX set

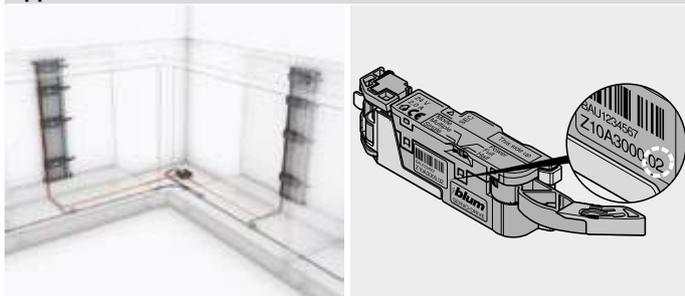


- COMBOX set
- For preventing front collisions when using SERVO-DRIVE in corner situations
- Includes all assembly and cabling components

Order information

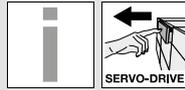
Description	Part no.
COMBOX set	Z10ZC00A

Application



Suitable starting with drive unit Z10A3000.02

Box systems



Ease of opening for various furniture styles



SERVO-DRIVE, the electrical opening support system, is now also available for drawers and high fronted pull-outs made from wood. Your customers will be amazed at the opening action that can be achieved. BLUMOTION, for silent and effortless closing action, completes the picture in high quality of motion.

A light touch on the handle-less 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. Whether heavy or light, wide or narrow pull-outs – the gentle opening support always remains the same.

Runner systems

Opening is that easy



A light touch on the front is enough and drawers open as if by themselves

Easily-integrated, high performance technology



The electrical drive unit is attached behind the pull-out



Using SERVO-DRIVE, requires no changes to the pull-out



The main SERVO-DRIVE components can be attached without the need of tools



Runner systems

	Overview – runner systems	435
	▶ MOVENTO	436
	▶ TANDEM	464

▶ Applications

	Standard cabinet	492	Cabinet with different drawer depths inner drawer	508
	SERVO-DRIVE uno for bottom mount waste bin solutions – MOVENTO TANDEM	498	Cabinet with individual drawer	514
	Sink cabinet	500	Cabinet with inset fronts	518
	Two drawers with a continuous front	504		

▶▶ Accessories

	Cable holder	522
	Synchronisation cable	522
	COMBOX set	523

▶▶ Assembly, removal and adjustment

	Assembly, removal and adjustment	
	Short-URL	www.blum.com/a450

Pictograph

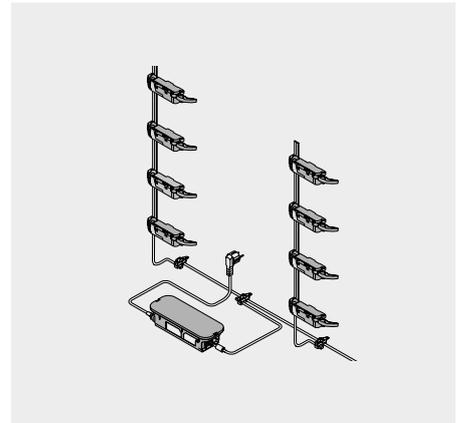
	Item Available Upon Request		
	General Information		
	Accessories		
	SERVO-DRIVE		
	Planning		



Standard cabinet



- Electrical opening support system in conjunction with BLUMOTION – for silent and effortless closing action
- With vertical bracket profile
- No fixed connection to the drive system
- Pull-outs can be used unchanged
- Tool-free assembly
- Simple cabling
- Shallow installation depth



Order information

1a	Blum distance bumper		
	Diameter (mm)		Part no.
	Ø 5		993.0530
	Ø 8		993.0830.01
Up to front height 300 mm use 2 pcs. Front height 300 mm and higher use 4 pcs.			

2	Bracket profile			
	Length (mm)	Material	Cable	Part no.
	650	Aluminium	●	Z10T650AA
	700	Aluminium	●	Z10T700AA
	710	Aluminium	●	Z10T710AA
	750	Aluminium	●	Z10T750AA
	800	Aluminium	●	Z10T800AA
	1170	Aluminium	–	Z10T1170A

For cutting to size
● With cable
– Without cable

a Cutting Internal cabinet height LH – 10 mm

3a	Bracket profile attachment top/bottom		
	Cross bar construction horizontal		
	Material	Colour	Part no.
	Nylon	R7037	Z10D01E0.01

3b	Alternative to 3a		
	Bracket profile attachment lower/back		
Cross bar construction vertical			
	Material	Colour	Part no.
	Nylon	R7037	Z10D01EA.01
Incl. bracket profile cover cap			

9	Drive unit		
	Material	Colour	Part no.
	Nylon	R7037	Z10A3000.03
Includes pre-assembled lever extension			

11	Distribution cable and cable end protector		
	Length (mm)	Colour	Part no.
	8	S	Z10K800AE

Composed of:
11a 1 x Distribution cable
11b 5 x Cable end protector
Can be used as a distribution, bracket profile and communications cable
For cutting to size

12	Connecting node and cable end protector		
	Material	Colour	Part no.
	Nylon	S	Z10V100E.01

Composed of:
12a 1 x Connecting node
11b 2 x Cable end protector





Standard cabinet

Order information

13 Blum transformer 24 W			
Language package	Part no.	Language package	Part no.
A	Z10NE030A	E	Z10NE030E
B	Z10NE030B	F	Z10NE030F
C	Z10NE030C	G	Z10NE030G
D	Z10NE030D	H	Z10NE030H

Incl. instruction leaflet and installation instructions
Without flex

Language package

A	DE, EN, FR, IT, NL	E	CS, HU, PL, SK
B	DA, EN, FI, NO, SV	F	BG, ET, LT, LV, RO, RU
C	EL, EN, HR, SL, SR, TR	G	EN, ES, FR
D	EN, ES, FR, IT, PT	H	EN, ZH

Language descriptions as per ISO-639

14 Flex			
Market	Part no.	Market	Part no.
Europe	Z10M200E	CH	Z10M200C
US, CA	Z10M200U	JP	Z10M200J
BR	Z10M200S.01	UK	Z10M200B
DK	Z10M200D	IL	Z10M200I
AU	Z10M200K	CN	Z10M200N
AR	Z10M200A	IN	Z10M200H
CL	Z10M200L	TW	Z10M200T
ZA	Z10M200Z	Europe	Z10M200E.OS

¹ Without plug

15a Transformer unit housing

Base fixing

Material	Colour	Part no.
Nylon	R7037	Z10NG000

Incl. cover

For Blum transformer 24 W

Alternative to 15a

15b Transformer unit housing

Panel fixing

Material	Colour	Part no.
Nylon	WGR	Z10NG120

For Blum transformer 24 W

a Accessories

Cable holder			
Material	Colour	Part no.	
Nylon	W	Z10K0009	

For example, for securing the distribution cable

Synchronisation cable		Part no.
Length (mm)		
80	Z10K008S	
500	Z10K050S	
1200	Z10K120S	
1600	Z10K160S	

Connects two drive units that need to activate simultaneously

COMBOX set			
Material	Colour	Part no.	
Nylon	S	Z10ZC00A	

For preventing front collisions when using SERVO-DRIVE in corner situations

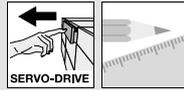
Suitable starting with drive unit Z10A3000.02

Includes all assembly and cabling components

Colour		Colour	
R7037	RAL 7037 dust grey	WGR	White grey
S	Black	W	White

Page instructions

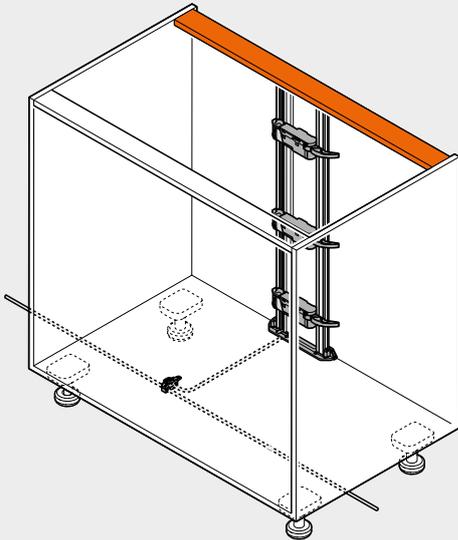
Overview – SERVO-DRIVE for MOVENTO TANDEM	491	Overview – assembly devices	595	Assembly, removal and adjustment	
		More technical details	686		
Overview – MOVENTO	437			Short-URL www.blum.com/a450	
Overview – TANDEM	465				
Planning – horizontal cross member	494				
Planning – vertical cross member	496				
Accessories	522				



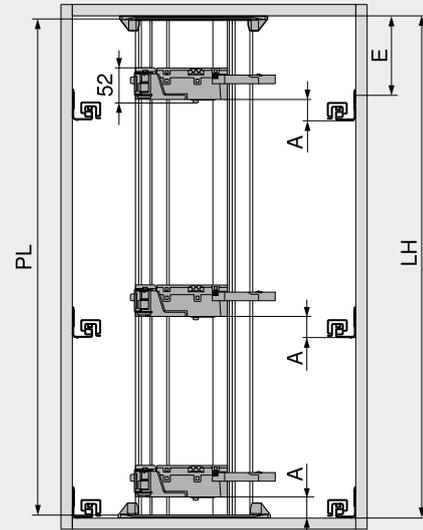
Standard cabinet

Planning – horizontal cross member

Cabinet



Position – drive unit



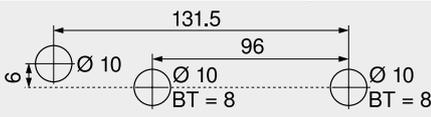
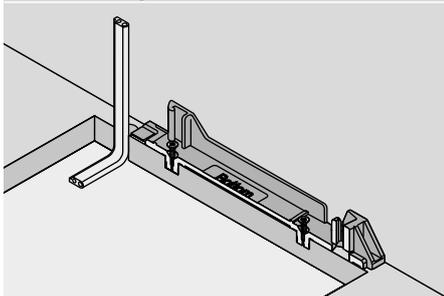
PL = LH – 10 mm
 Round down to the nearest tenth
 A Distance between the bottom edge of the cabinet profile and the bottom edge of the drive unit
 E Distance between the bottom edge of the cabinet top panel and the fixing position of the runner
 LH Internal cabinet height
 PL Bracket profile length

Position – drive unit

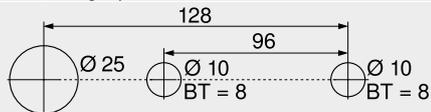
Runner systems	Drawer height SKH (mm)	Internal cabinet width LW (mm)					
		224–234		235–428		≥ 429	
		A (mm)	E min. (mm)	A (mm)	E min. (mm)	A (mm)	E min. (mm)
MOVENTO	≥ 79	–	–	60	74	35	49
TANDEM	≥ 79	55	76	55	76	35	46
A		Distance between the bottom edge of the cabinet profile and the bottom edge of the drive unit – Not possible					
E		Distance between the bottom edge of the cabinet top panel and the fixing position of the runner					

Cabinet bottom – drilling pattern

Lower cabling

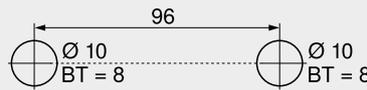
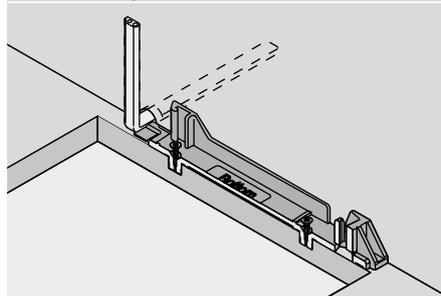


BT Drilling depth



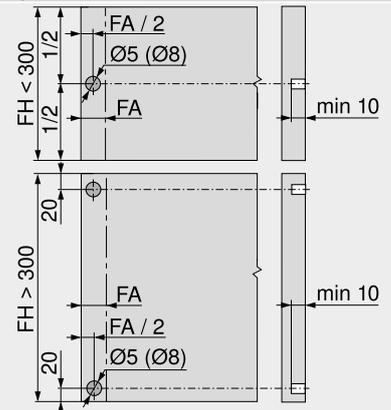
Alternative drilling pattern for PRO-CENTER and MINIPRESS
 BT Drilling depth

Back cabling

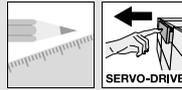


BT Drilling depth

Front assembly – position of Blum distance bumper



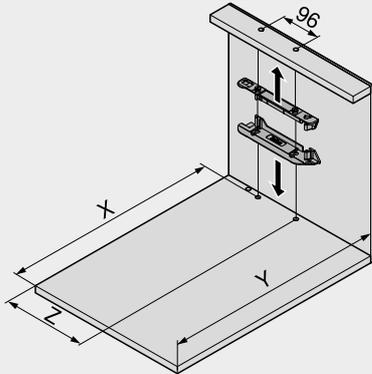
The Blum distance bumper creates and maintains the required trigger path of 2 mm
 FA Front overlay
 FH Front height



Standard cabinet

Planning – horizontal cross member

Drilling distances – base | cross bar



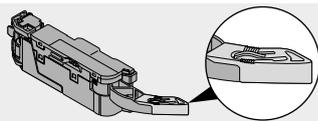
Drawer height SKH (mm) X (mm) Y (mm)

≥ 79 NL + 16 NL + 30

NL Nominal length
X Drilling position
Y Min. space requirement
Z Dimension of engagement

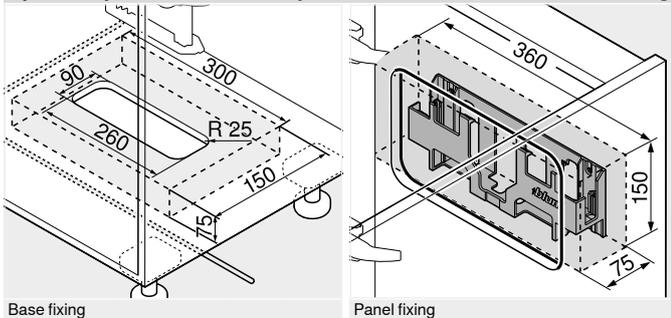
Using this assembly position for the bracket profile, both inner pull-out elements as well as those with overlay fronts can be opened by pushing and pulling

Runner systems	Drawer height SKH (mm)	Internal cabinet width LW (mm)							
		224–234		235–388		389–428		≥ 429	
		Z (mm)	Lever extension	Z (mm)	Lever extension	Z (mm)	Lever extension	Z (mm)	Lever extension
MOVENTO	≥ 79	–	–	164	●	164	●	LW / 2	●
TANDEM	≥ 79	164	–	164	●	LW / 2	●	LW / 2	●
LW	Internal cabinet width			●	Required				
Z	Dimension of engagement			–	Not possible				



Lever extension

Space requirement and safety distance – transformer unit housing



Base fixing

Panel fixing

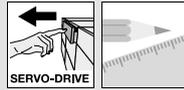
Attention

Maintain a 30 mm safety distance from the bottom edge (base fixing) and/or front edge (panel fixing) and side edges of the transformer unit housing to the neighbouring elements

Air must be able to circulate, otherwise the Blum transformer could overheat

Page instructions

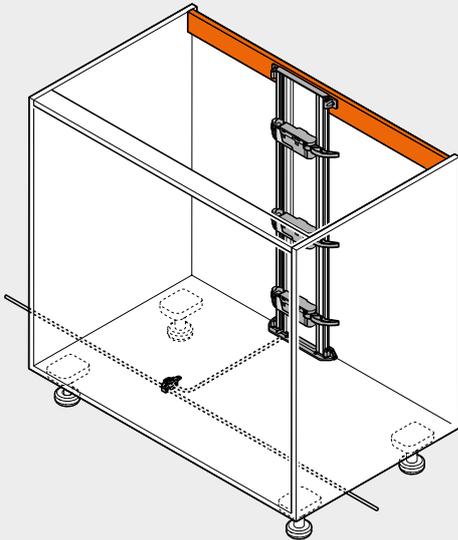
Overview – SERVO-DRIVE for MOVENTO TANDEM	491	Overview – assembly devices	595	Assembly, removal and adjustment	
		More technical details	686		
Overview – MOVENTO	437				
Overview – TANDEM	465				
Planning – vertical cross member	496				
Accessories	522				
				Short-URL	
				www.blum.com/a450	



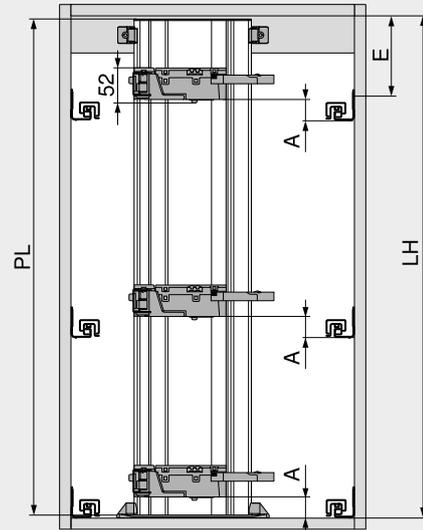
Standard cabinet

Planning – vertical cross member

Cabinet



Position – drive unit



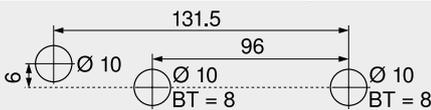
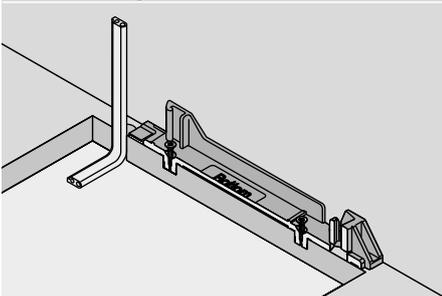
PL = LH – 10 mm
 Round down to the nearest tenth
 A Distance between the bottom edge of the cabinet profile and the bottom edge of the drive unit
 E Distance between the bottom edge of the cabinet top panel and the fixing position of the runner
 LH Internal cabinet height
 PL Bracket profile length

Position – drive unit

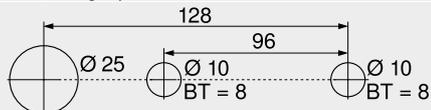
Runner systems	Drawer height SKH (mm)	Internal cabinet width LW (mm)					
		224–234		235–428		≥ 429	
		A (mm)	E min. (mm)	A (mm)	E min. (mm)	A (mm)	E min. (mm)
MOVENTO	≥ 79	–	–	60	84	35	54
TANDEM	≥ 79	55	81	55	81	35	61
A		Distance between the bottom edge of the cabinet profile and the bottom edge of the drive unit – Not possible					
E		Distance between the bottom edge of the cabinet top panel and the fixing position of the runner					

Cabinet bottom – drilling pattern

Lower cabling

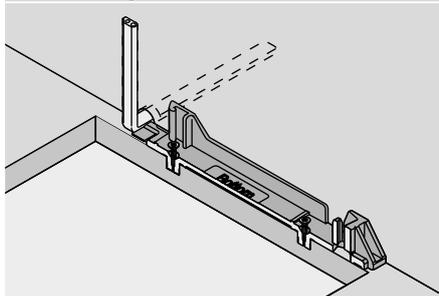


BT Drilling depth



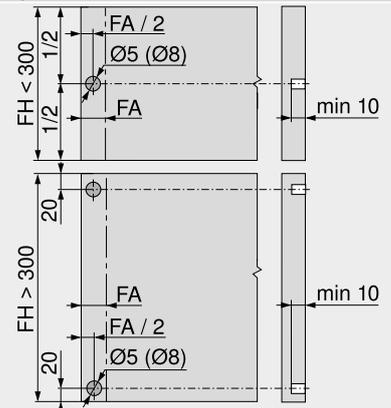
Alternative drilling pattern for PRO-CENTER and MINIPRESS
 BT Drilling depth

Back cabling

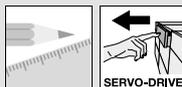


BT Drilling depth

Front assembly – position of Blum distance bumper



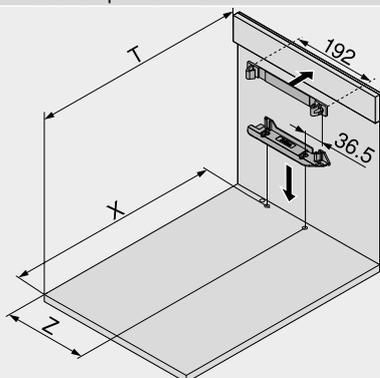
The Blum distance bumper creates and maintains the required trigger path of 2 mm
 FA Front overlay
 FH Front height



Standard cabinet

Planning – vertical cross member

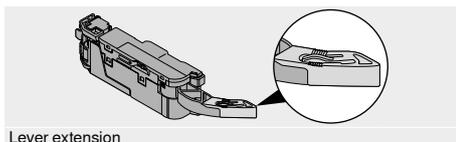
Drilling distances – base | cross bar



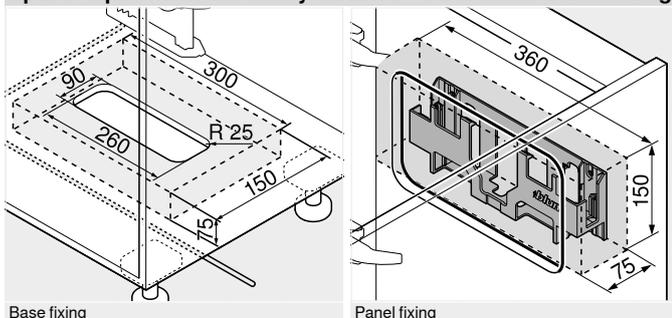
Drawer height SKH (mm)	X (mm)	T (mm)
≥ 79	NL + 16	NL + 31
NL	Nominal length	
X	Drilling position	
T	Position front edge/cross member	
Z	Dimension of engagement	

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

Runner systems	Drawer height SKH (mm)	Internal cabinet width LW (mm)							
		224–234		235–388		389–428		≥ 429	
		Z (mm)	Lever extension	Z (mm)	Lever extension	Z (mm)	Lever extension	Z (mm)	Lever extension
MOVENTO	≥ 79	–	–	164	●	164	●	LW / 2	●
TANDEM	≥ 79	164	–	164	●	LW / 2	●	LW / 2	●
LW	Internal cabinet width			●	Required				
Z	Dimension of engagement			–	Not possible				



Space requirement and safety distance – transformer unit housing



Attention
 Maintain a 30 mm safety distance from the bottom edge (base fixing) and/or front edge (panel fixing) and side edges of the transformer unit housing to the neighbouring elements

Air must be able to circulate, otherwise the Blum transformer could overheat

Page instructions

Overview – SERVO-DRIVE for MOVENTO TANDEM	491	Overview – assembly devices	595	Assembly, removal and adjustment	
		More technical details	686		
Overview – MOVENTO	437				
Overview – TANDEM	465				
Planning – horizontal cross member	494				
Accessories	522				
				Short-URL	
				www.blum.com/a450	



SERVO-DRIVE uno for bottom mount waste bin solutions – MOVENTO | TANDEM

Webcode
DQE7FY



- Electrical opening support system in conjunction with BLUMOTION – for silent and effortless closing action
- Suitable for individual applications
- For bottom mount waste bin solutions
- Also ideal for retrofitting
- No fixed connection to the drive system
- Pull-outs can be used unchanged
- Simple and quick assembly of pre-mounted parts



Order information

18 SERVO-DRIVE set					
Network adapter	Language package	Part no.	Network adapter	Language package	Part no.
E	A	Z10NA30EA	B	A	Z10NA30BA
E	B	Z10NA30EB	K	D	Z10NA30KD
E	C	Z10NA30EC	U	G	Z10NA30UG
E	D	Z10NA30ED	U	J	Z10NA30UJ
E	E	Z10NA30EE	H	D	Z10NA30HD
E	F	Z10NA30EF			

Network adapter



Language package

A DE, EN, FR, IT, NL	E CS, HU, PL, SK
B DA, EN, FI, NO, SV	F BG, ET, LT, LV, RO, RU
C EL, EN, HR, SL, SR, TR	G EN, ES, FR
D EN, ES, FR, IT, PT	J JA

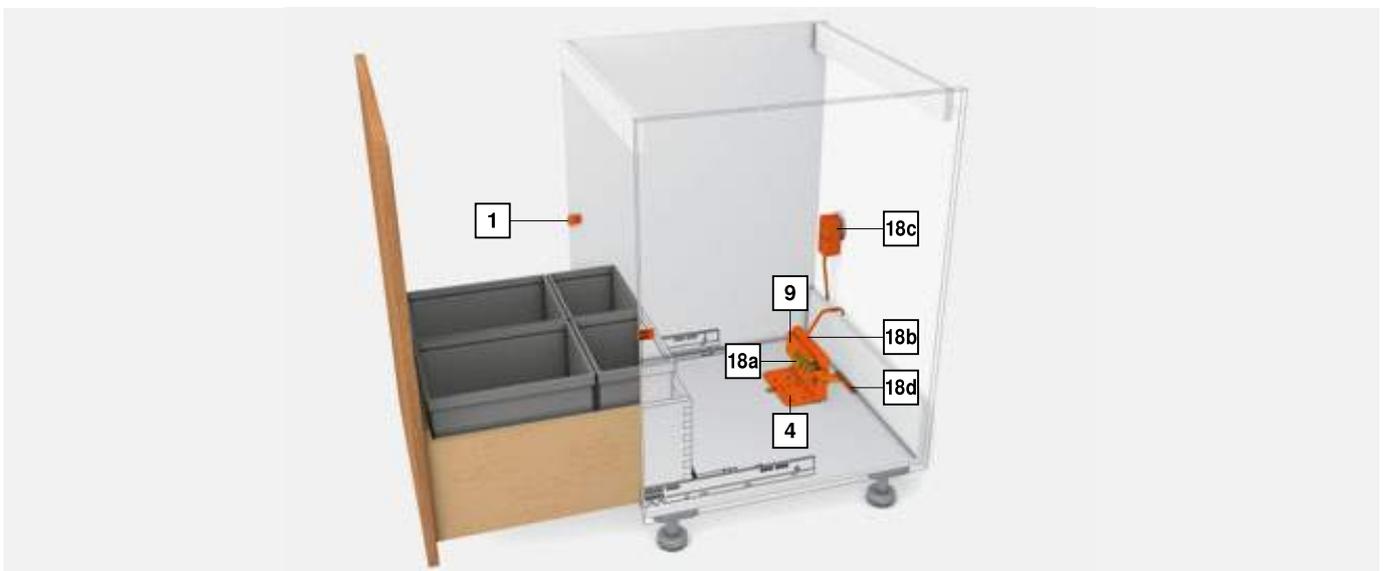
Other combinations available upon request

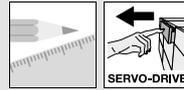
Set pre-mounted

¹ See the Information chapter for a detailed market list

Composed of:

- 1 2 x Blum distance bumper
- 4 1 x Attachment bracket 1 tier
- 9 1 x Drive unit
- 18a 1 x Transport protection
- 18b 1 x Protection against dripping water
- 18c 1 x Blum plug-in transformer 12 W
- 18d 1 x Assembly
- 7 x Screws for Blum distance bumper and attachment bracket
- 1 x Installation instructions
- 1 x Instruction leaflet



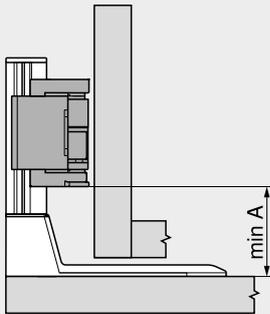


SERVO-DRIVE uno for bottom mount waste bin solutions – MOVENTO | TANDEM

Webcode
DQE7FY

Planning

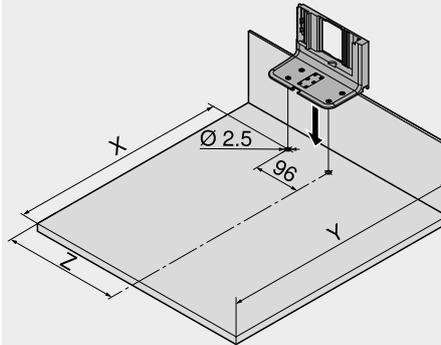
Position – drive unit



Runner systems	Internal cabinet width LW (mm)
	A (mm)
MOVENTO	47
TANDEM	47

A Distance between the bottom edge of the attachment bracket and the bottom edge of the drive unit

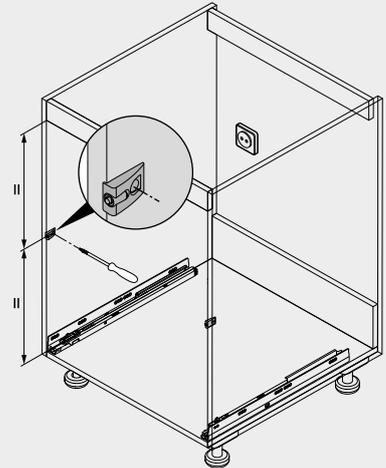
Drilling distances – base



Runner systems	Internal cabinet width LW (mm)		
	X (mm)	Y (mm)	Z (mm)
MOVENTO	NL + 16	NL + 30	LW / 2
TANDEM	NL + 16	NL + 30	LW / 2

NL Nominal length
X Drilling position
Y Min. space requirement
Z Dimension of engagement

Position – Blum distance bumper



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

Page instructions

Overview – SERVO-DRIVE for MOVENTO TANDEM	491
Overview – MOVENTO	437
Overview – TANDEM	465
SERVO-DRIVE uno – market list	706
Overview – assembly devices	595

More technical details 686

Assembly, removal and adjustment



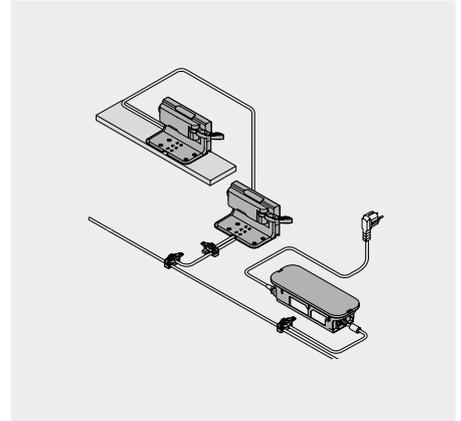
Short-URL
www.blum.com/a450



Sink cabinet



- Electrical opening support system in conjunction with BLUMOTION – for silent and effortless closing action
- With attachment bracket
- No fixed connection to the drive system
- Pull-outs can be used unchanged
- Quick assembly of pre-mounted parts



Order information

1a	Blum distance bumper		
	Diameter (mm)		Part no.
	Ø 5		993.0530
	Ø 8		993.0830.01
Up to front height 300 mm use 2 pcs. Front height 300 mm and higher use 4 pcs.			

5	Attachment bracket 1 tier		
	Material	Colour	Part no.
	Nylon	R7037	Z10D0311

9	Drive unit		
	Material	Colour	Part no.
	Nylon	R7037	Z10A3000.03
Includes pre-assembled lever extension			

9a	Protection against dripping water		
	Material	Colour	Part no.
	Nylon	R7037	Z10D0316

11	Distribution cable and cable end protector		
	Length (mm)	Colour	Part no.
	8	S	Z10K800AE

Composed of:
11a 1 x Distribution cable
11b 5 x Cable end protector
 Can be used as a distribution, bracket profile and communications cable
 For cutting to size

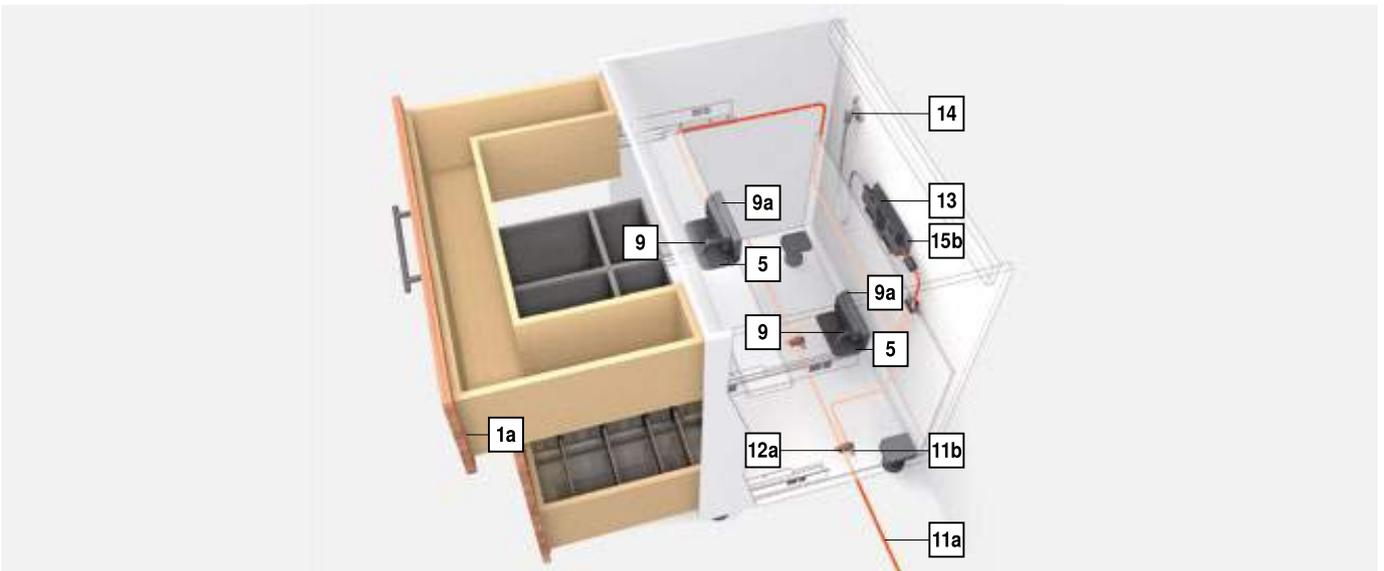
12	Connecting node and cable end protector		
	Material	Colour	Part no.
	Nylon	S	Z10V100E.01
Composed of:			
12a	1 x Connecting node		
11b	2 x Cable end protector		

13	Blum transformer 24 W			
	Language package	Part no.	Language package	Part no.
	A	Z10NE030A	E	Z10NE030E
	B	Z10NE030B	F	Z10NE030F
	C	Z10NE030C	G	Z10NE030G
	D	Z10NE030D	H	Z10NE030H

Incl. instruction leaflet and installation instructions
 Without flex
Language package

A	DE, EN, FR, IT, NL	E	CS, HU, PL, SK
B	DA, EN, FI, NO, SV	F	BG, ET, LT, LV, RO, RU
C	EL, EN, HR, SL, SR, TR	G	EN, ES, FR
D	EN, ES, FR, IT, PT	H	EN, ZH

 Language descriptions as per ISO-639





Sink cabinet

Order information

14	Flex	Part no.	Market	Part no.
	Market			
	Europe	Z10M200E	CH	Z10M200C
	US, CA	Z10M200U	JP	Z10M200J
	BR	Z10M200S.01	UK	Z10M200B
	DK	Z10M200D	IL	Z10M200I
	AU	Z10M200K	CN	Z10M200N
	AR	Z10M200A	IN	Z10M200H
	CL	Z10M200L	TW	Z10M200T
	ZA	Z10M200Z	Europe	Z10M200E.OS

¹ Without plug

Accessories

a Cable holder			
Material	Colour	Part no.	
Nylon	W	Z10K0009	
For example, for securing the distribution cable			
Colour		Colour	
R7037	RAL 7037 dust grey	W	White
S	Black	ZN	Zinc plated
WGR	White grey		

15a Transformer unit housing

Base fixing

Material	Colour	Part no.
Nylon	R7037	Z10NG000

Incl. cover
For Blum transformer 24 W

Alternative to 15a

15b Transformer unit housing

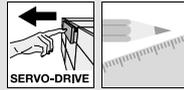
Panel fixing

Material	Colour	Part no.
Nylon	WGR	Z10NG120

For Blum transformer 24 W

Page instructions

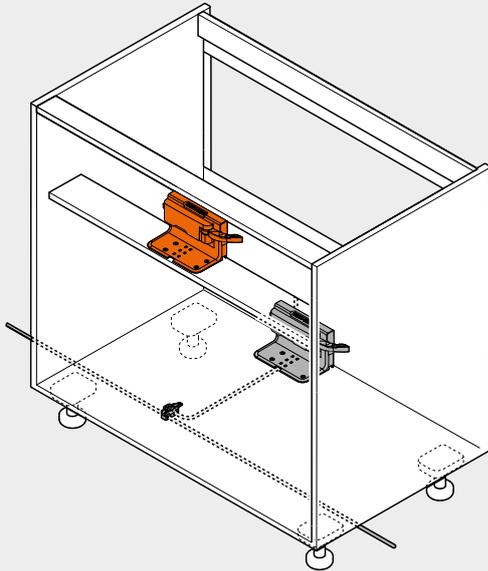
Overview – SERVO-DRIVE for MOVENTO TANDEM	491	More technical details	686	Assembly, removal and adjustment	
Overview – MOVENTO	437				
Overview – TANDEM	465			Short-URL	
Planning	502			www.blum.com/a450	
Accessories	522				
Overview – assembly devices	595				



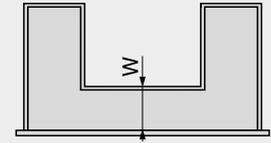
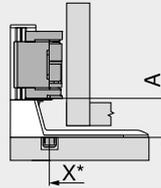
Sink cabinet

Planning

Cabinet



Cross member – attachment bracket 1 tier



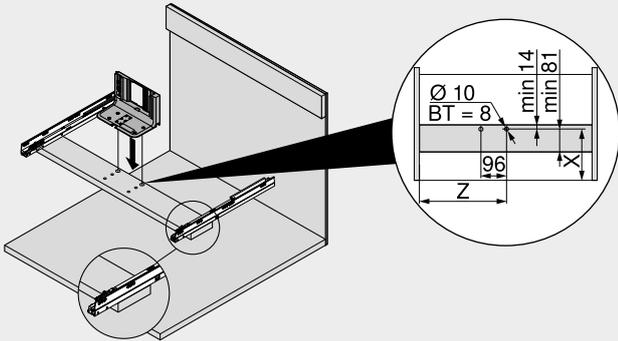
Centre piece
X Drilling position
* Measured from cabinet front edge

W Distance between the front edge of the drawer base and the centre piece
Min. 100 mm

Runner systems	Drawer height SKH (mm)	A (mm)
MOVENTO	≥ 79	35
TANDEM	≥ 79	35

A Distance between the bottom edge of the attachment bracket and the bottom edge of the drive unit

Cross member – attachment bracket 1 tier

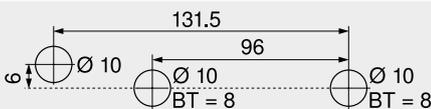
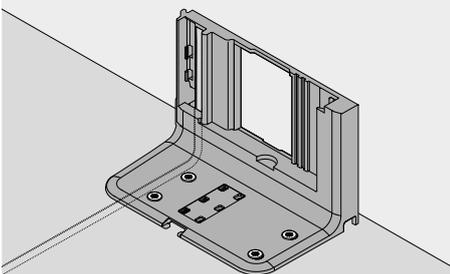


Runner systems	Drawer height SKH (mm)	Internal cabinet width LW (mm)	
		≥ 429	
		X (mm)	Z (mm)
MOVENTO	≥ 79	W + 24	LW / 2
TANDEM	≥ 79	W + 24	LW / 2

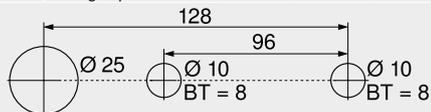
X Drilling position
Z Dimension of engagement
W Distance between the front edge of the drawer base and the centre piece
BT Drilling depth

Cabinet bottom – drilling pattern

Lower cabling

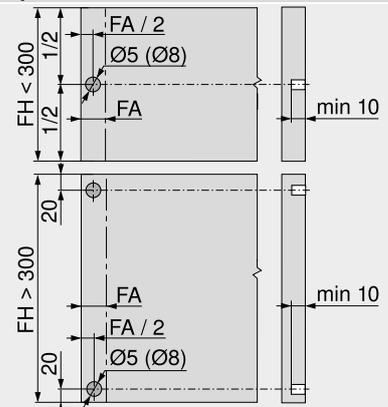


BT Drilling depth

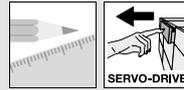


Alternative drilling pattern for PRO-CENTER and MINIPRESS
BT Drilling depth

Front assembly – position of Blum distance bumper



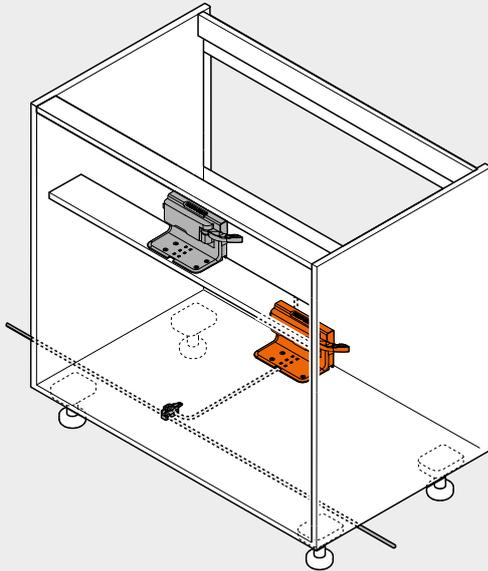
The Blum distance bumper creates and maintains the required trigger path of 2 mm
FA Front overlay
FH Front height



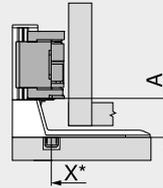
Sink cabinet

Planning

Cabinet



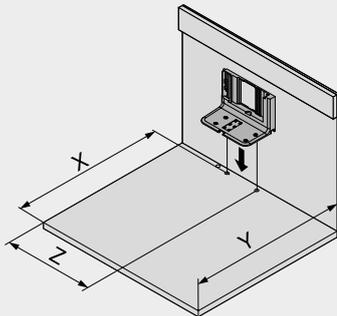
Cabinet bottom – attachment bracket 1 tier



X Drilling position
* Measured from cabinet front edge

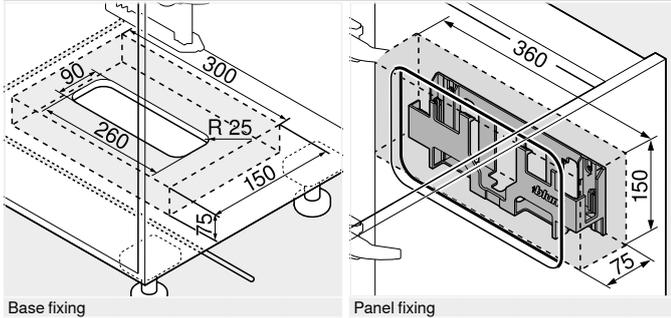
Runner systems	Drawer height SKH (mm)	Internal cabinet width LW (mm)
		≥ 429
		A (mm)
MOVENTO	≥ 79	35
TANDEM	≥ 79	35
A	Distance between the bottom edge of the attachment bracket and the bottom edge of the drive unit	

Cabinet bottom – attachment bracket 1 tier



Drawer height SKH (mm)	X (mm)	Y (mm)	Z (mm)
≥ 79	NL + 16	NL + 30	LW / 2
LW	Internal cabinet width		
NL	Nominal length		
X	Drilling position		
Y	Min. space requirement		
Z	Dimension of engagement		

Space requirement and safety distance – transformer unit housing



Base fixing

Panel fixing

Attention

Maintain a 30 mm safety distance from the bottom edge (base fixing) and/or front edge (panel fixing) and side edges of the transformer unit housing to the neighbouring elements

Air must be able to circulate, otherwise the Blum transformer could overheat

Page instructions

Overview – SERVO-DRIVE for MOVENTO TANDEM	491	More technical details
Overview – MOVENTO	437	
Overview – TANDEM	465	
Accessories	522	
Overview – assembly devices	595	

686 Assembly, removal and adjustment



Short-URL

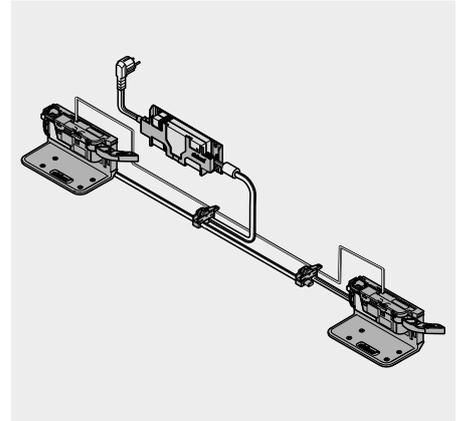
www.blum.com/a450



Two drawers with a continuous front



- Electrical opening support system in conjunction with BLUMOTION – for silent and effortless closing action
- Synchronised triggering of two drawers and | or wide applications
- With attachment bracket
- No fixed connection to the drive system
- Pull-outs can be used unchanged
- Quick assembly of pre-mounted parts



Order information

1a	Blum distance bumper		
	Diameter (mm)		Part no.
	Ø 5		993.0530
	Ø 8		993.0830.01
Up to front height 300 mm use 2 pcs. Front height 300 mm and higher use 4 pcs.			

5	Attachment bracket 1 tier		
	Material	Colour	Part no.
	Nylon	R7037	Z10D0311

9	Drive unit		
	Material	Colour	Part no.
	Nylon	R7037	Z10A3000.03
Includes pre-assembled lever extension			

11	Distribution cable and cable end protector		
	Length (mm)	Colour	Part no.
	8	S	Z10K800AE

Composed of:
11a 1 x Distribution cable
11b 5 x Cable end protector
 Can be used as a distribution, bracket profile and communications cable
 For cutting to size

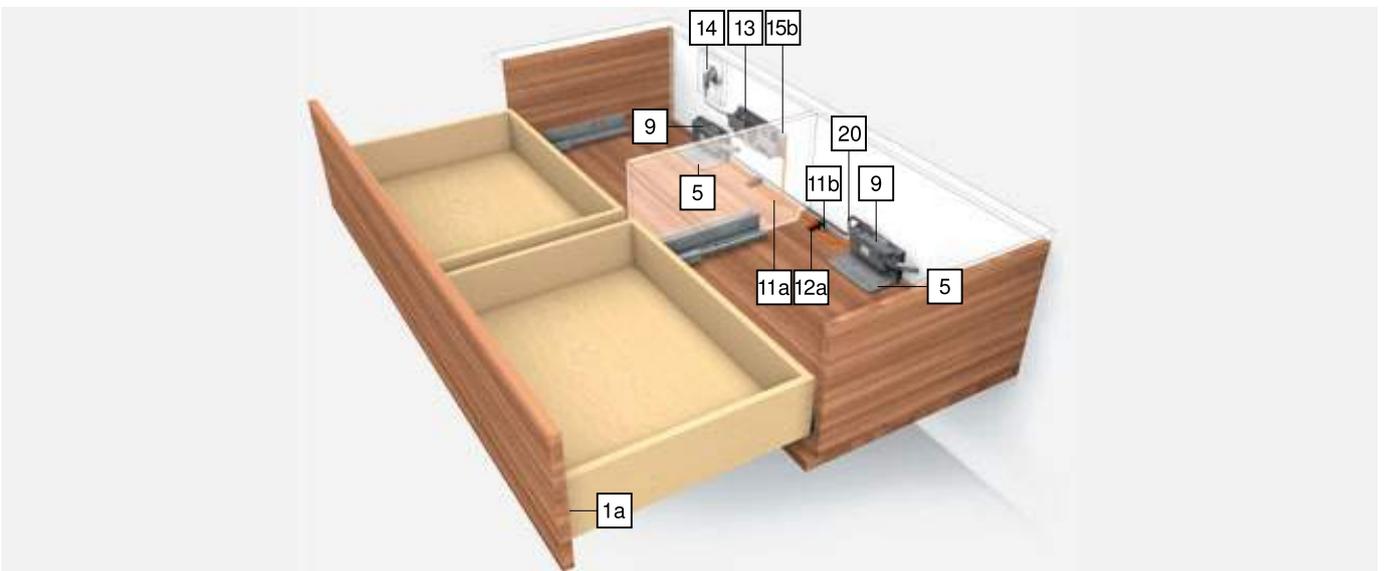
12	Connecting node and cable end protector		
	Material	Colour	Part no.
	Nylon	S	Z10V100E.01

Composed of:
12a 1 x Connecting node
11b 2 x Cable end protector

13	Blum transformer 24 W			
	Language package	Part no.	Language package	Part no.
	A	Z10NE030A	E	Z10NE030E
	B	Z10NE030B	F	Z10NE030F
	C	Z10NE030C	G	Z10NE030G
	D	Z10NE030D	H	Z10NE030H

Incl. instruction leaflet and installation instructions
 Without flex
Language package
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
 Language descriptions as per ISO-639

14	Flex			
	Market	Part no.	Market	Part no.
	Europe	Z10M200E	CH	Z10M200C
	US, CA	Z10M200U	JP	Z10M200J
	BR	Z10M200S.01	UK	Z10M200B
	DK	Z10M200D	IL	Z10M200I
	AU	Z10M200K	CN	Z10M200N
	AR	Z10M200A	IN	Z10M200H
	CL	Z10M200L	TW	Z10M200T
	ZA	Z10M200Z	Europe	Z10M200E.OS
	1 Without plug			





Two drawers with a continuous front

Order information

15a Transformer unit housing

Base fixing

Material	Colour	Part no.
Nylon	R7037	Z10NG000

Incl. cover
For Blum transformer 24 W

Alternative to 15a

15b Transformer unit housing

Panel fixing

Material	Colour	Part no.
Nylon	WGR	Z10NG120

For Blum transformer 24 W

20 Synchronisation cable

Length (mm)	Part no.
80	Z10K008S
500	Z10K050S
1200	Z10K120S
1600	Z10K160S

Connects two drive units that need to activate simultaneously

Accessories

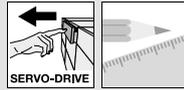
Material	Colour	Part no.
Nylon	W	Z10K0009

For example, for securing the distribution cable

Colour		Colour	
R7037	RAL 7037 dust grey	WGR	White grey
S	Black	W	White

Page instructions

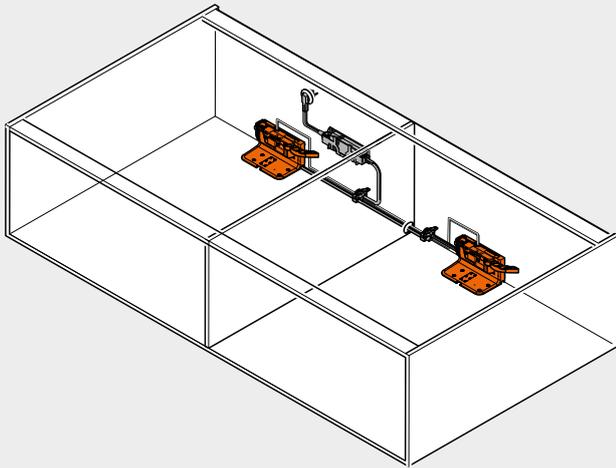
Overview – SERVO-DRIVE for MOVENTO TANDEM	491	More technical details	686	Assembly, removal and adjustment	
Overview – MOVENTO	437				
Overview – TANDEM	465				
Planning	506				
Accessories	522				
Overview – assembly devices	595				
				Short-URL	
				www.blum.com/a450	



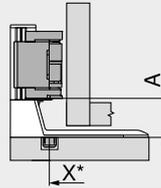
Two drawers with a continuous front

Planning

Cabinet



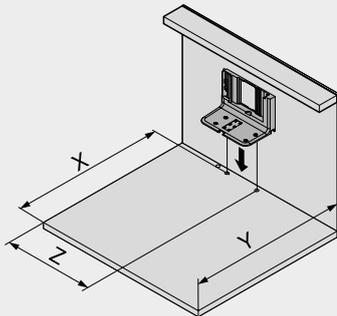
Cabinet bottom – attachment bracket 1 tier



X Drilling position
 * Measured from cabinet front edge

Runner systems	Drawer height SKH (mm)	Internal cabinet width LW (mm)
		≥ 429
		A (mm)
MOVENTO	≥ 79	35
TANDEM	≥ 79	35
A	Distance between the bottom edge of the attachment bracket and the bottom edge of the drive unit	

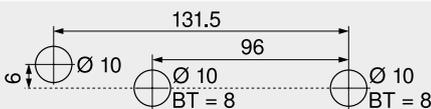
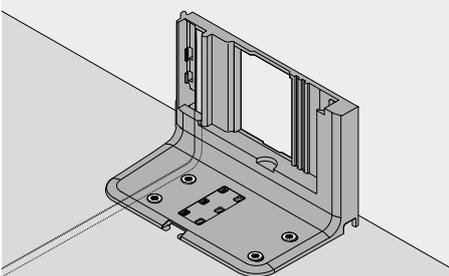
Cabinet bottom – attachment bracket 1 tier



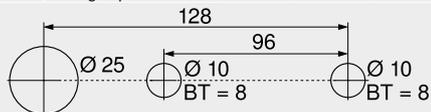
Drawer height SKH (mm)	X (mm)	Y (mm)	Z (mm)
≥ 79	NL + 16	NL + 30	LW / 2
LW	Internal cabinet width		
NL	Nominal length		
X	Drilling position		
Y	Min. space requirement		
Z	Dimension of engagement		

Cabinet bottom – drilling pattern

Lower cabling

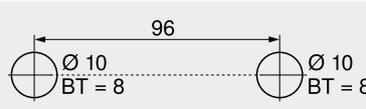
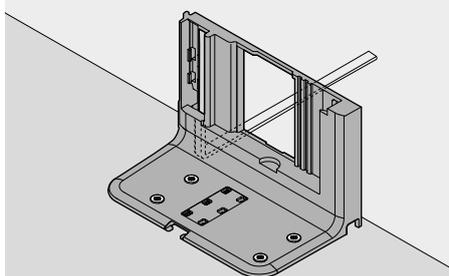


BT Drilling depth



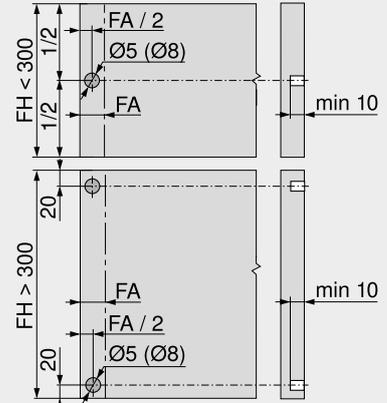
Alternative drilling pattern for PRO-CENTER and MINIPRESS
 BT Drilling depth

Back cabling

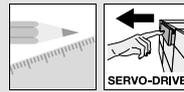


BT Drilling depth

Front assembly – position of Blum distance bumper



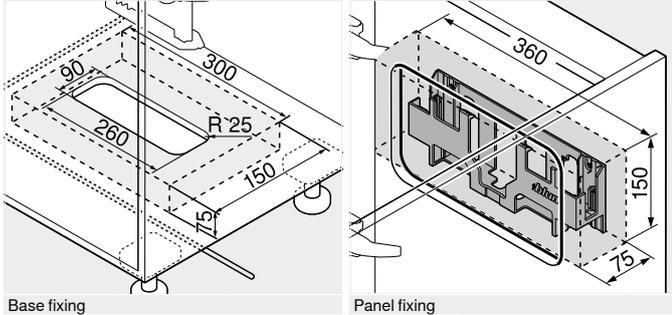
The Blum distance bumper creates and maintains the required trigger path of 2 mm
 FA Front overlay
 FH Front height



Two drawers with a continuous front

Planning

Space requirement and safety distance – transformer unit housing



Attention

Maintain a 30 mm safety distance from the bottom edge (base fixing) and/or front edge (panel fixing) and side edges of the transformer unit housing to the neighbouring elements

Air must be able to circulate, otherwise the Blum transformer could overheat

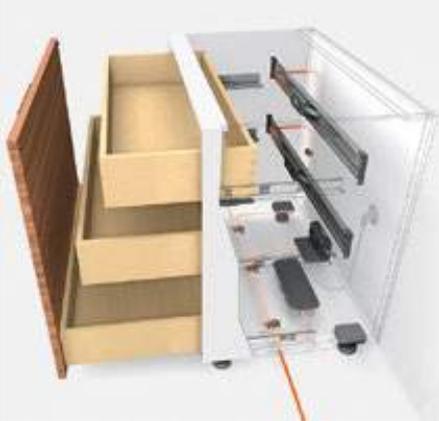
Page instructions

Overview – SERVO-DRIVE for MOVENTO TANDEM	491	More technical details	686	Assembly, removal and adjustment	
Overview – MOVENTO	437				
Overview – TANDEM	465				
Accessories	522				
Overview – assembly devices	595				

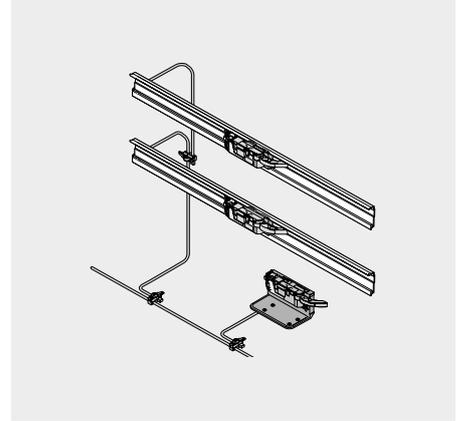
Short-URL
www.blum.com/a450



Cabinet with different drawer depths | inner drawer



- Electrical opening support system in conjunction with BLUMOTION – for silent and effortless closing action
- With attachment bracket and horizontal bracket profile
- No fixed connection to the drive system
- Pull-outs can be used unchanged
- Quick assembly of pre-mounted parts



Runner systems

Order information

1a	Blum distance bumper		Part no.
	Diameter (mm)		
	Ø 5	993.0530	
	Ø 8	993.0830.01	
Up to front height 300 mm use 2 pcs. Front height 300 mm and higher use 4 pcs.			

1b	Blum distance bumper – inner drawer		Part no.
	Runner systems	Diameter (mm)	
	TANDEM	Ø 10	993.2000
Adjustable Blum distance bumper for inner drawers and inset fronts with TANDEM			

1b	Depth adjustment – inner drawer		Part no.
	Runner systems	Colour	
	MOVENTO	R7037	
Only for inset applications SERVO-DRIVE integrated bumper Suitable for T51.7601 locking device			

5	Attachment bracket 1 tier		Part no.
	Material	Colour	
	Nylon	R7037	Z10D0311

6	Bracket profile horizontal		Part no.
	Material	Length (mm)	
	Aluminium	1143	Z10T1143B

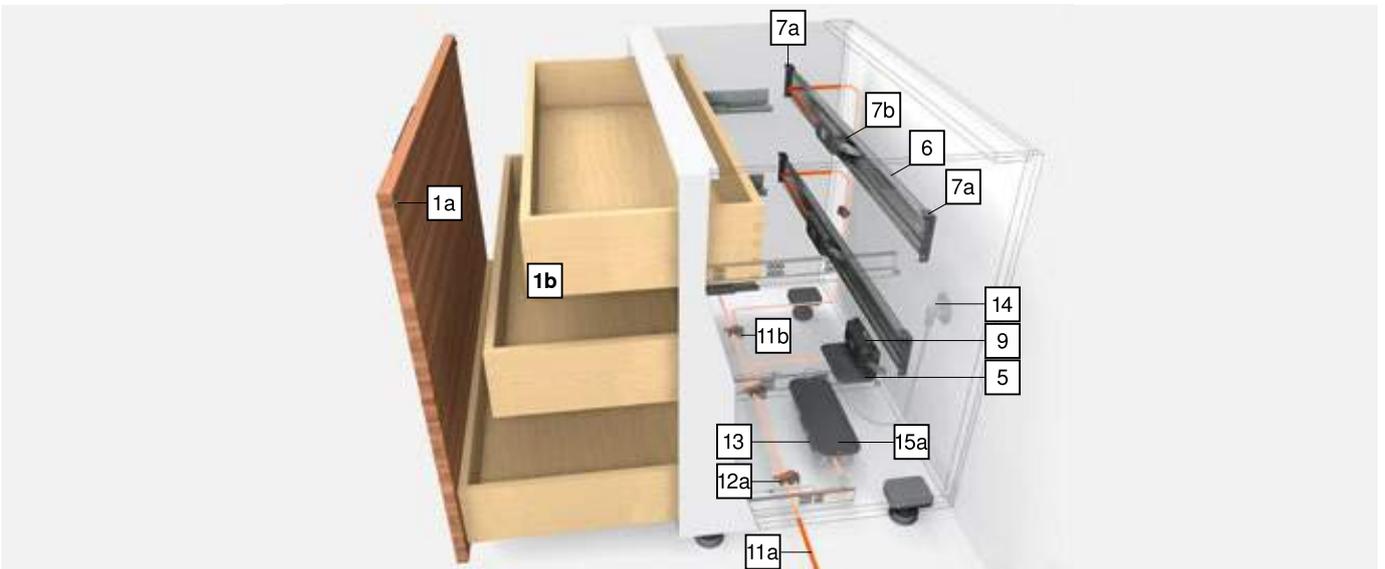
For cabinet width KB 275–1200 mm
a) Cutting Internal cabinet width LW – 19 mm

7	Horizontal bracket profile attachment		
	Material	Colour	Part no.
	Nylon	R7037	Z10D5210
Composed of:			
7a	1 x Bracket profile attachment left/right		
7b	1 x Bracket profile adapter for drive unit		
Chipboard screws and system screws can be used			

9	Drive unit		Part no.
	Material	Colour	
	Nylon	R7037	Z10A3000.03
Includes pre-assembled lever extension			

11	Distribution cable and cable end protector		Part no.
	Length (mm)	Colour	
	8	S	
Composed of:			
11a	1 x Distribution cable		
11b	5 x Cable end protector		
Can be used as a distribution, bracket profile and communications cable For cutting to size			

12	Connecting node and cable end protector		Part no.
	Material	Colour	
	Nylon	S	Z10V100E.01
Composed of:			
12a	1 x Connecting node		
11b	2 x Cable end protector		





Cabinet with different drawer depths | inner drawer

Order information

13 Blum transformer 24 W			
Language package	Part no.	Language package	Part no.
A	Z10NE030A	E	Z10NE030E
B	Z10NE030B	F	Z10NE030F
C	Z10NE030C	G	Z10NE030G
D	Z10NE030D	H	Z10NE030H

Incl. instruction leaflet and installation instructions
Without flex

Language package

A	DE, EN, FR, IT, NL	E	CS, HU, PL, SK
B	DA, EN, FI, NO, SV	F	BG, ET, LT, LV, RO, RU
C	EL, EN, HR, SL, SR, TR	G	EN, ES, FR
D	EN, ES, FR, IT, PT	H	EN, ZH

Language descriptions as per ISO-639

14 Flex			
Market	Part no.	Market	Part no.
Europe	Z10M200E	CH	Z10M200C
US, CA	Z10M200U	JP	Z10M200J
BR	Z10M200S.01	UK	Z10M200B
DK	Z10M200D	IL	Z10M200I
AU	Z10M200K	CN	Z10M200N
AR	Z10M200A	IN	Z10M200H
CL	Z10M200L	TW	Z10M200T
ZA	Z10M200Z	Europe	Z10M200E.OS

¹ Without plug

15a Transformer unit housing			
Base fixing			
Material	Colour	Part no.	
Nylon	R7037	Z10NG000	

Incl. cover
For Blum transformer 24 W

Alternative to 15a

15b Transformer unit housing			
Panel fixing			
Material	Colour	Part no.	
Nylon	WGR	Z10NG120	

For Blum transformer 24 W

Accessories

Cable holder			
Material	Colour	Part no.	
Nylon	W	Z10K0009	

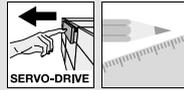
For example, for securing the distribution cable

Colour		Colour	
R7037	RAL 7037 dust grey	W	White
S	Black	ZN	Zinc plated
WGR	White grey		

Page instructions

Overview – SERVO-DRIVE for MOVENTO TANDEM	491	More technical details	686	Assembly, removal and adjustment	
Overview – MOVENTO	437				
Overview – TANDEM	465				
Planning	510				
Accessories	522				
Overview – assembly devices	595				

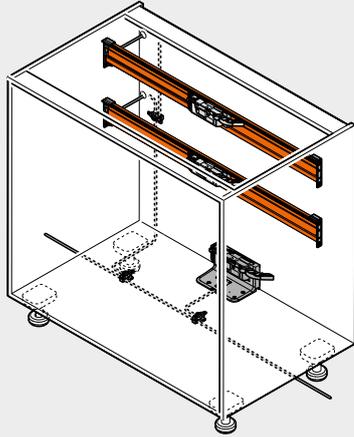
Short-URL
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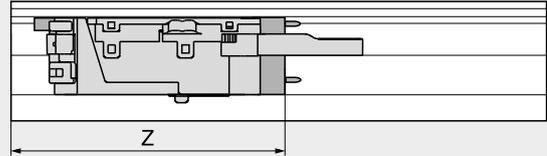
Cabinet with different drawer depths | inner drawer

Planning – bracket profile horizontal

Cabinet



Position – drive unit

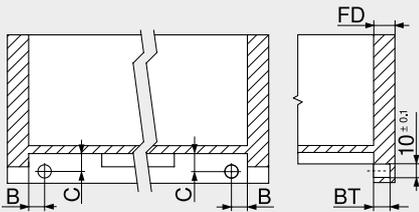


Z Dimension of engagement

Position – drive unit

Runner	Drawer height SKH (mm)	Internal cabinet width LW (mm)
		≥ 429
		Z (mm)
MOVENTO	≥ 79	LW / 2
TANDEM	≥ 79	LW / 2
Z	Dimension of engagement	

Front assembly – position of Blum distance bumper

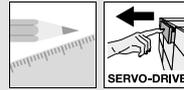


TANDEM

Inner drawer

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

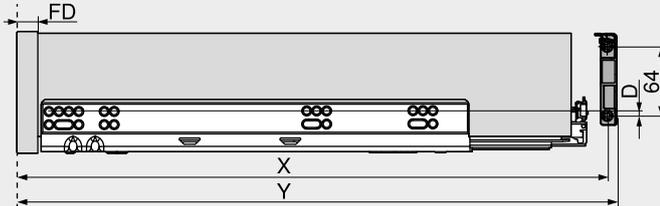
Runners	Pull-out type	B (mm)	C (mm)
56XH	Full extension	16.5 ± 1	12.0 ± 1
55XH	Single extension	18.5 ± 0.5	13.5 ± 0.5
Front thickness	Drilling depth BT	Adjustment area	
FD (mm)	(mm)	(mm)	
13.0	10.0	+1.75 / -0.25	
Starting at 14.5	11.5	±1.75	



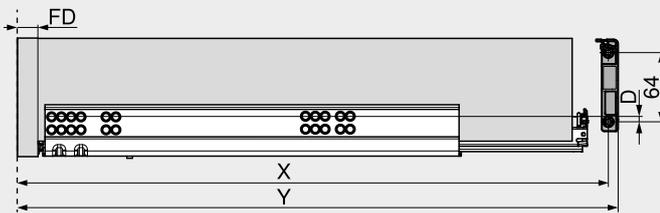
Cabinet with different drawer depths | inner drawer

Planning – bracket profile horizontal

Drilling distances



MOVENTO



TANDEM

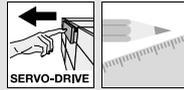
Drawer height SKH (mm)	X (mm)	Y (mm)
≥ 79	NL + FD + 26	NL + FD + 36
FD	Front thickness	
NL	Nominal length	
X	Drilling position	
Y	Min. space requirement	

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

Runner systems	Drawer height SKH (mm)	Internal cabinet width LW (mm)
		≥ 429
		D (mm)
MOVENTO	≥ 79	19
TANDEM	≥ 79	19
D	Distance from cabinet profile fixing position to bracket profile attachment fixing position	

Page instructions

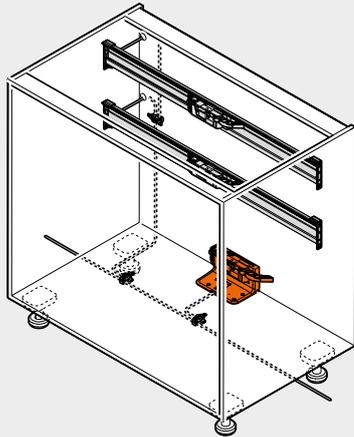
Overview – SERVO-DRIVE for MOVENTO TANDEM	491	More technical details	686	Assembly, removal and adjustment	
Overview – MOVENTO	437				
Overview – TANDEM	465				
Accessories	522				
Overview – assembly devices	595				
				Short-URL	
				www.blum.com/a450	



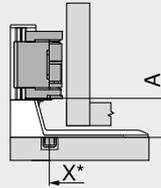
Cabinet with different drawer depths | inner drawer

Planning – attachment bracket 1 tier

Cabinet



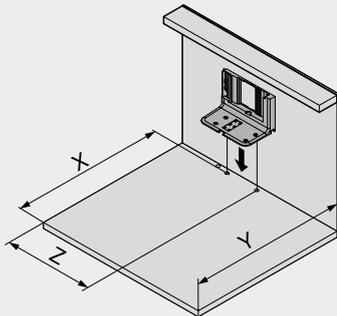
Cabinet bottom – attachment bracket 1 tier



X Drilling position
* Measured from cabinet front edge

Runner systems	Drawer height SKH (mm)	Internal cabinet width LW (mm)
		≥ 429
		A (mm)
MOVENTO	≥ 79	35
TANDEM	≥ 79	35
A	Distance between the bottom edge of the attachment bracket and the bottom edge of the drive unit	

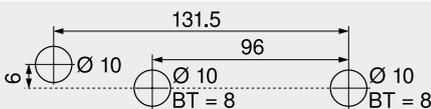
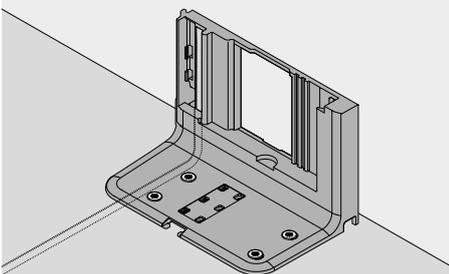
Cabinet bottom – attachment bracket 1 tier



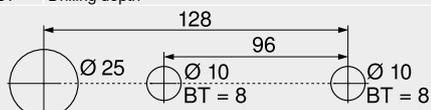
Drawer height SKH (mm)	X (mm)	Y (mm)	Z (mm)
≥ 79	NL + 16	NL + 30	LW / 2
LW	Internal cabinet width		
NL	Nominal length		
X	Drilling position		
Y	Min. space requirement		
Z	Dimension of engagement		

Cabinet bottom – drilling pattern

Lower cabling

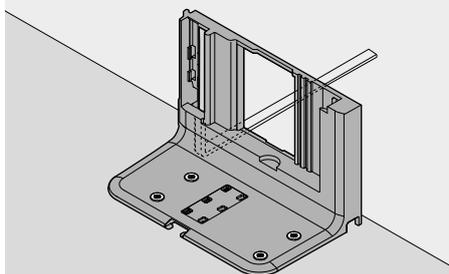


BT Drilling depth

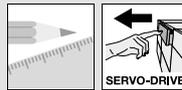


Alternative drilling pattern for PRO-CENTER and MINIPRESS
BT Drilling depth

Back cabling



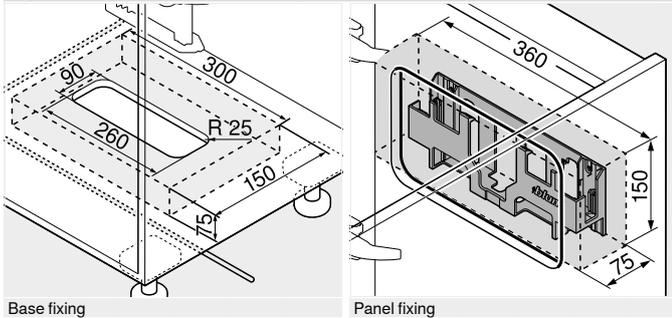
BT Drilling depth



Cabinet with different drawer depths | inner drawer

Planning

Space requirement and safety distance – transformer unit housing



Attention

Maintain a 30 mm safety distance from the bottom edge (base fixing) and/or front edge (panel fixing) and side edges of the transformer unit housing to the neighbouring elements

Air must be able to circulate, otherwise the Blum transformer could overheat

Page instructions

Overview – SERVO-DRIVE for MOVENTO TANDEM	491	More technical details	686	Assembly, removal and adjustment	
Overview – MOVENTO	437				
Overview – TANDEM	465				
Accessories	522				
Overview – assembly devices	595				

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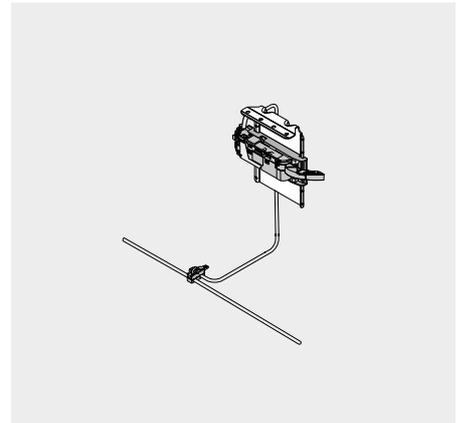
▶ SERVO-DRIVE for MOVENTO | TANDEM
 ▶▶ Applications



Cabinet with individual drawer



- Electrical opening support system in conjunction with BLUMOTION – for silent and effortless closing action
- With upper attachment bracket
- No fixed connection to the drive system
- Pull-outs can be used unchanged
- Quick assembly of pre-mounted parts



Order information

1a	Blum distance bumper		
	Diameter (mm)		Part no.
	Ø 5		993.0530
	Ø 8		993.0830.01
Up to front height 300 mm use 2 pcs. Front height 300 mm and higher use 4 pcs.			

8	Upper attachment bracket		
	Material	Colour	Part no.
	Steel	R7037/ZN	Z10D6252
Incl. pre-mounted adapter for the drive unit			

9	Drive unit		
	Material	Colour	Part no.
	Nylon	R7037	Z10A3000.03
Includes pre-assembled lever extension			

11	Distribution cable and cable end protector		
	Length (mm)	Colour	Part no.
	8	S	Z10K800AE
Composed of:			
11a 1 x Distribution cable			
11b 5 x Cable end protector			
Can be used as a distribution, bracket profile and communications cable			
For cutting to size			

12	Connecting node and cable end protector		
	Material	Colour	Part no.
	Nylon	S	Z10V100E.01
Composed of:			
12a 1 x Connecting node			
11b 2 x Cable end protector			

13	Blum transformer 24 W			
	Language package	Part no.	Language package	Part no.
	A	Z10NE030A	E	Z10NE030E
	B	Z10NE030B	F	Z10NE030F
	C	Z10NE030C	G	Z10NE030G
	D	Z10NE030D	H	Z10NE030H
Incl. instruction leaflet and installation instructions				
Without flex				
Language package				
A	DE, EN, FR, IT, NL	E	CS, HU, PL, SK	
B	DA, EN, FI, NO, SV	F	BG, ET, LT, LV, RO, RU	
C	EL, EN, HR, SL, SR, TR	G	EN, ES, FR	
D	EN, ES, FR, IT, PT	H	EN, ZH	
Language descriptions as per ISO-639				





Cabinet with individual drawer

Order information

14	Flex	Market	Part no.	Market	Part no.
	Europe	Z10M200E	CH	Z10M200C	
	US, CA	Z10M200U	JP	Z10M200J	
	BR	Z10M200S.01	UK	Z10M200B	
	DK	Z10M200D	IL	Z10M200I	
	AU	Z10M200K	CN	Z10M200N	
	AR	Z10M200A	IN	Z10M200H	
	CL	Z10M200L	TW	Z10M200T	
	ZA	Z10M200Z	Europe	Z10M200E.OS	
	1 Without plug				

Accessories

Cable holder			
Material	Colour	Part no.	
Nylon	W	Z10K0009	
For example, for securing the distribution cable			
Colour		Colour	
R7037	RAL 7037 dust grey	W	White
S	Black	ZN	Zinc plated
WGR	White grey		

15a Transformer unit housing

Base fixing

Material	Colour	Part no.
Nylon	R7037	Z10NG000

Incl. cover
For Blum transformer 24 W

Alternative to 15a

15b Transformer unit housing

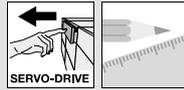
Panel fixing

Material	Colour	Part no.
Nylon	WGR	Z10NG120

For Blum transformer 24 W

Page instructions

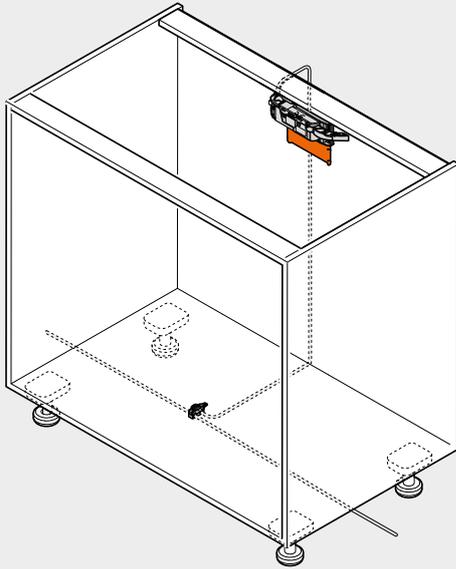
Overview – SERVO-DRIVE for MOVENTO TANDEM	491	More technical details	686	Assembly, removal and adjustment	
Overview – MOVENTO	437				
Overview – TANDEM	465			Short-URL	
Planning	516			www.blum.com/a450	
Accessories	522				
Overview – assembly devices	595				



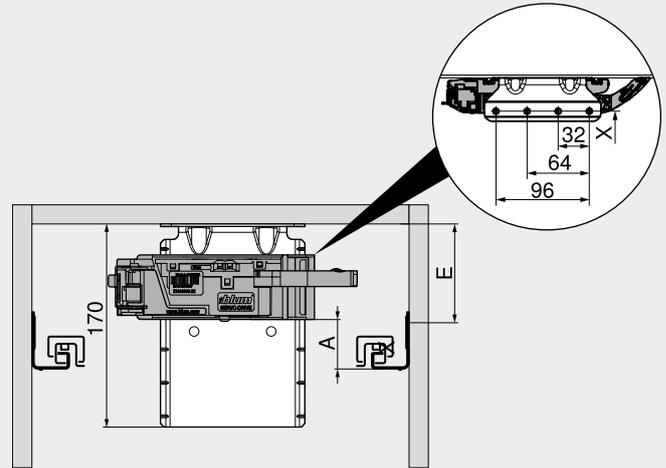
Cabinet with individual drawer

Planning

Cabinet



Position – drive unit

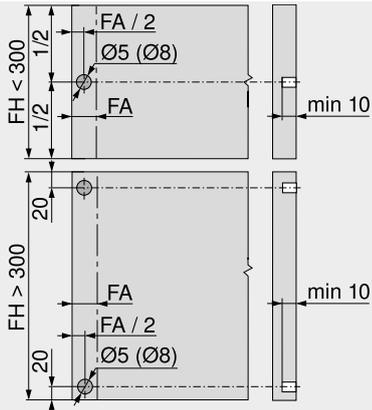


A Distance between the bottom edge of the cabinet profile and the bottom edge of the drive unit
 E Distance between the bottom edge of the cabinet top panel and the fixing position of the runner
 X Drilling position
 The cross bar must be connected to the work plate to make it secure

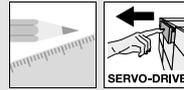
Position – drive unit

Runner systems	Drawer height SKH (mm)	Internal cabinet width LW (mm)					
		224–234		235–428		≥ 429	
		A (mm)	E min. (mm)	A (mm)	E min. (mm)	A (mm)	E min. (mm)
MOVENTO	≥ 79	–	–	60	84	35	54
TANDEM	≥ 79	55	81	55	81	35	61
A		Distance between the bottom edge of the cabinet profile and the bottom edge of the drive unit – Not possible					
E		Distance between the bottom edge of the cabinet top panel and the fixing position of the runner					

Front assembly – position of Blum distance bumper



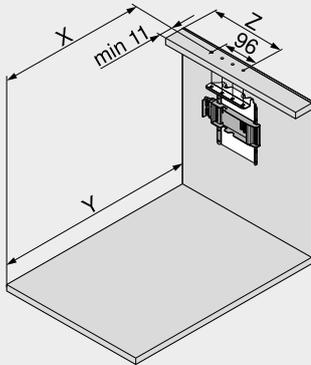
The Blum distance bumper creates and maintains the required trigger path of 2 mm
 FA Front overlay
 FH Front height



Cabinet with individual drawer

Planning

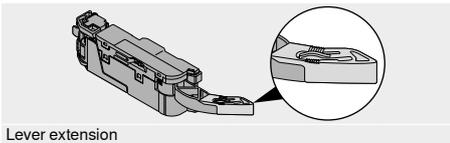
Drilling distances



Drawer height SKH (mm)	X (mm)	Y (mm)
≥ 79	NL - 5	NL + 30
NL	Nominal length	
X	Drilling position	
Y	Min. space requirement	

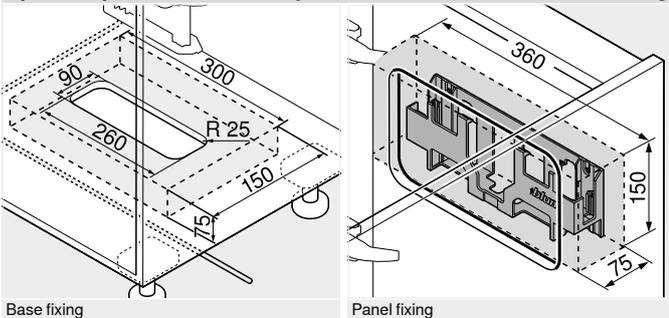
Using this assembly position for the bracket profile, both inner pull-out elements as well as those with overlay fronts can be opened by pushing and pulling

Runner systems	Drawer height SKH (mm)	Internal cabinet width LW (mm)							
		224-234		235-388		389-428		≥ 429	
		Z (mm)	Lever extension	Z (mm)	Lever extension	Z (mm)	Lever extension	Z (mm)	Lever extension
MOVENTO	≥ 79	-	-	164	●	164	●	LW / 2	●
TANDEM	≥ 79	164	-	164	●	LW / 2	●	LW / 2	●
LW	Internal cabinet width			●	Required				
Z	Dimension of engagement			-	Not possible				



Lever extension

Space requirement and safety distance – transformer unit housing



Base fixing

Panel fixing

Attention

Maintain a 30 mm safety distance from the bottom edge (base fixing) and/or front edge (panel fixing) and side edges of the transformer unit housing to the neighbouring elements

Air must be able to circulate, otherwise the Blum transformer could overheat

Page instructions

Overview – SERVO-DRIVE for MOVENTO TANDEM	491	More technical details
Overview – MOVENTO	437	
Overview – TANDEM	465	
Accessories	522	
Overview – assembly devices	595	

686 Assembly, removal and adjustment

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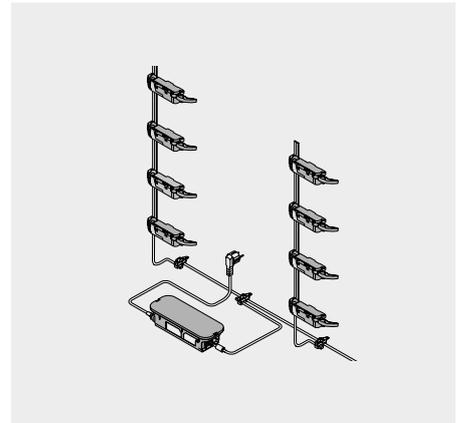
▶ SERVO-DRIVE for MOVENTO | TANDEM
 ▶▶ Applications



Cabinet with inset fronts



- Electrical opening support system in conjunction with BLUMOTION – for silent and effortless closing action
- With vertical bracket profile
- No fixed connection to the drive system
- Pull-outs can be used unchanged
- Tool-free assembly
- Simple cabling



Runner systems

Order information

1b	Blum distance bumper – inner drawer		
	Runner systems	Diameter (mm)	Part no.
	TANDEM	Ø 10	993.2000

Adjustable Blum distance bumper for inner drawers and inset fronts with TANDEM

1b	Depth adjustment – inner drawer		
	Runner systems	Colour	Part no.
	MOVENTO	R7037	298.7600

Only for inset applications
 SERVO-DRIVE integrated bumper
 Suitable for T51.7601 locking device

2	Bracket profile		
	Length (mm)	Material	Cable
	650	Aluminium	●
	700	Aluminium	●
	710	Aluminium	●
	750	Aluminium	●
	800	Aluminium	●
	1170	Aluminium	–

For cutting to size
 ● With cable
 – Without cable

a Cutting Internal cabinet height LH – 10 mm

3a	Bracket profile attachment top/bottom		
	Cross bar construction horizontal		
	Material	Colour	Part no.
	Nylon	R7037	Z10D01E0.01

3b	Bracket profile attachment lower/back		
	Cross bar construction vertical		
	Material	Colour	Part no.
	Nylon	R7037	Z10D01EA.01

Incl. bracket profile cover cap

9	Drive unit		
	Material	Colour	Part no.
	Nylon	R7037	Z10A3000.03

Includes pre-assembled lever extension

11	Distribution cable and cable end protector		
	Length (mm)	Colour	Part no.
	8	S	Z10K800AE

Composed of:
 11a 1 x Distribution cable
 11b 5 x Cable end protector
 Can be used as a distribution, bracket profile and communications cable
 For cutting to size





Cabinet with inset fronts

Order information

12 Connecting node and cable end protector			
	Material	Colour	Part no.
	Nylon	S	Z10V100E.01

Composed of:

12a 1 x Connecting node

11b 2 x Cable end protector

13 Blum transformer 24 W			
Language package	Part no.	Language package	Part no.
A	Z10NE030A	E	Z10NE030E
B	Z10NE030B	F	Z10NE030F
C	Z10NE030C	G	Z10NE030G
D	Z10NE030D	H	Z10NE030H

Incl. instruction leaflet and installation instructions
Without flex

Language package

A DE, EN, FR, IT, NL	E CS, HU, PL, SK
B DA, EN, FI, NO, SV	F BG, ET, LT, LV, RO, RU
C EL, EN, HR, SL, SR, TR	G EN, ES, FR
D EN, ES, FR, IT, PT	H EN, ZH

Language descriptions as per ISO-639

14 Flex			
Market	Part no.	Market	Part no.
Europe	Z10M200E	CH	Z10M200C
US, CA	Z10M200U	JP	Z10M200J
BR	Z10M200S.01	UK	Z10M200B
DK	Z10M200D	IL	Z10M200I
AU	Z10M200K	CN	Z10M200N
AR	Z10M200A	IN	Z10M200H
CL	Z10M200L	TW	Z10M200T
ZA	Z10M200Z	Europe ¹	Z10M200E.OS

¹ Without plug

15a Transformer unit housing

Base fixing

	Material	Colour	Part no.
	Nylon	R7037	Z10NG000

Incl. cover

For Blum transformer 24 W

Alternative to 15a

15b Transformer unit housing

Panel fixing

	Material	Colour	Part no.
	Nylon	WGR	Z10NG120

For Blum transformer 24 W

a Accessories

Cable holder			
	Material	Colour	Part no.
	Nylon	W	Z10K0009

For example, for securing the distribution cable

Colour		Colour	
R7037	RAL 7037 dust grey	WGR	White grey
S	Black	W	White

Page instructions

Overview – SERVO-DRIVE for MOVENTO TANDEM	491
Overview – MOVENTO	437
Overview – TANDEM	465
Planning	520
Accessories	522
Overview – assembly devices	595

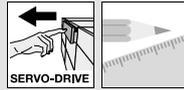
More technical details 686

Assembly, removal and adjustment



Short-URL

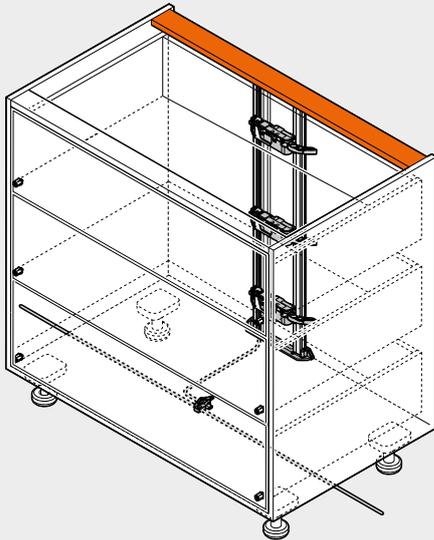
www.blum.com/a450



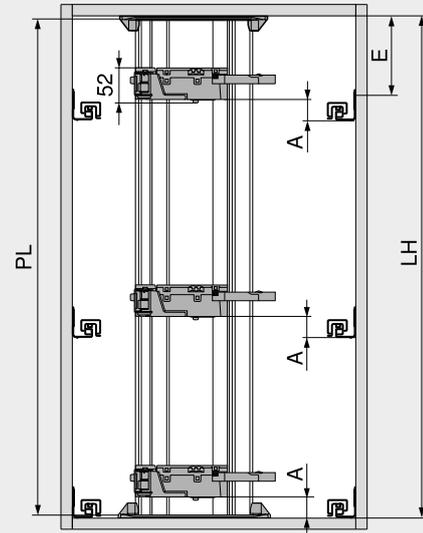
Cabinet with inset fronts

Planning

Cabinet



Position – drive unit



PL = LH – 10 mm
Round down to the nearest tenth
LH Internal cabinet height
PL Bracket profile length

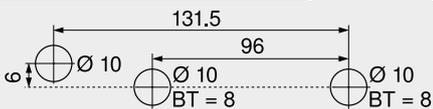
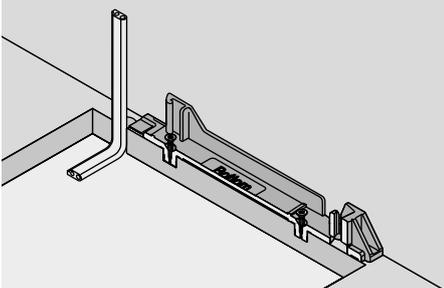
Position – drive unit

Runner systems	Drawer height SKH (mm)	Internal cabinet width LW (mm)					
		224–234		235–428		≥ 429	
		A (mm)	E min. (mm)	A (mm)	E min. (mm)	A (mm)	E min. (mm)
MOVENTO	≥ 79	–	–	60	74	35	49
TANDEM	≥ 79	55	76	55	76	35	46

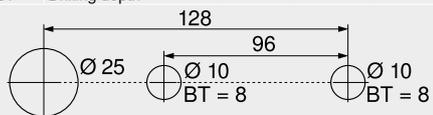
A Distance between the bottom edge of the cabinet profile and the bottom edge of the drive unit – Not possible
E Distance between the bottom edge of the cabinet top panel and the fixing position of the runner

Cabinet bottom – drilling pattern

Lower cabling

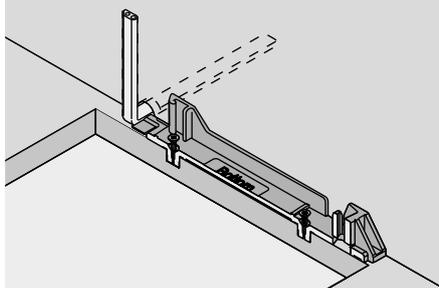


BT Drilling depth



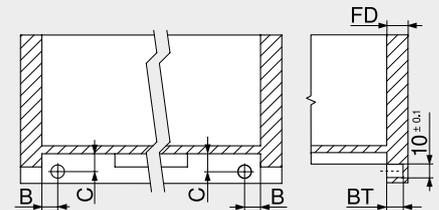
Alternative drilling pattern for PRO-CENTER and MINIPRESS
BT Drilling depth

Back cabling



BT Drilling depth

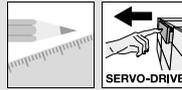
Front assembly – position of Blum distance bumper



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

Runners	Pull-out type	B (mm)	C (mm)
56XH	Full extension	16.5 ±1	12.0 ±1
55XH	Single extension	18.5 ±0.5	13.5 ±0.5

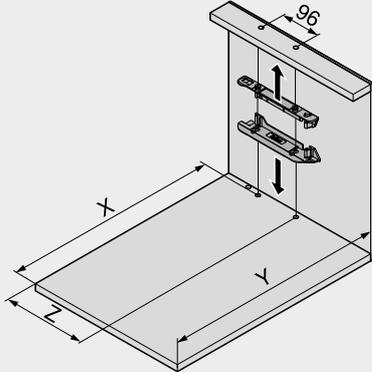
Front thickness	Drilling depth BT	Adjustment area
FD (mm)	(mm)	(mm)
13.0	10.0	+1.75 / –0.25
Starting at 14.5	11.5	±1.75



Cabinet with inset fronts

Planning

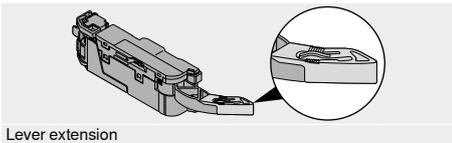
Drilling distances – base | cross bar



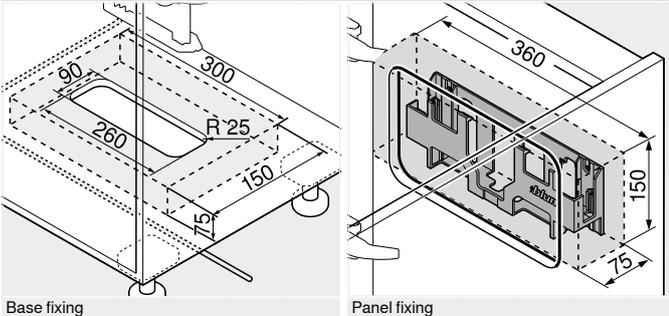
Drawer height SKH (mm)	X (mm)	Y (mm)
≥ 79	NL + FD + 18	NL + FD + 34
FD	Front thickness	
NL	Nominal length	
X	Drilling position	
Y	Min. space requirement	

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

Runner systems	Drawer height SKH (mm)	Internal cabinet width LW (mm)							
		224–234		235–388		389–428		≥ 429	
		Z (mm)	Lever extension	Z (mm)	Lever extension	Z (mm)	Lever extension	Z (mm)	Lever extension
MOVENTO	≥ 79	–	–	164	●	164	●	LW / 2	●
TANDEM	≥ 79	164	–	164	●	LW / 2	●	LW / 2	●
LW	Internal cabinet width			●	Required				
Z	Dimension of engagement			–	Not possible				



Space requirement and safety distance – transformer unit housing



Attention
 Maintain a 30 mm safety distance from the bottom edge (base fixing) and/or front edge (panel fixing) and side edges of the transformer unit housing to the neighbouring elements

Air must be able to circulate, otherwise the Blum transformer could overheat

Page instructions

Overview – SERVO-DRIVE for MOVENTO TANDEM	491	More technical details	686	Assembly, removal and adjustment	
Overview – MOVENTO	437				
Overview – TANDEM	465				
Accessories	522				
Overview – assembly devices	595				
				Short-URL	
				www.blum.com/a450	

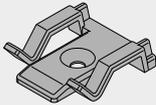
Runner systems

blum

- ▶ SERVO-DRIVE for MOVENTO | TANDEM
- ▶▶ Accessories



Cable holder



- Material: nylon
- Colour: white

Order information

Description	Part no.
Cable holder	Z10K0009

Synchronisation cable



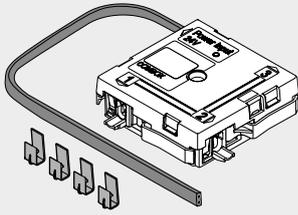
- Connects two drive units that need to activate simultaneously

Order information

Length (mm)	Part no.
80	Z10K008S
500	Z10K050S
1200	Z10K120S
1600	Z10K160S



COMBOX set

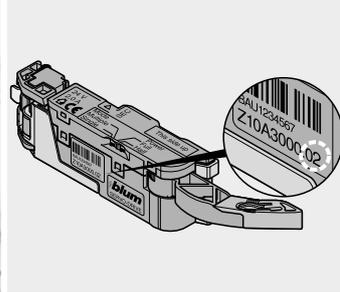
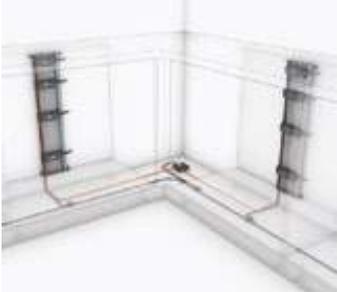


- COMBOX set
- For preventing front collisions when using SERVO-DRIVE in corner situations
- Includes all assembly and cabling components

Order information

Description	Part no.
COMBOX set	Z10ZC00A

Application



Suitable starting with drive unit Z10A3000.02



Extensive surfaces, clear-cut designs, handle-less fronts – minimalist looks put the spotlight on the functionality of furniture. Four technologies give you almost countless possibilities for handle-less furniture in kitchens and in many other living areas.

Easy opening and silent closing ensure a fascinating quality of motion for Blum products.

The innovative motion technologies from Blum support users in all living areas by providing high quality of motion – for the lifetime of the furniture.

6

BLUMOTION



For silent and effortless closing
Thanks to BLUMOTION, furniture closes silently and effortlessly no matter how hard you close lift systems, doors or pull-outs or how heavy they are

SERVO-DRIVE



The electrical opening support
Opening is fascinatingly easy: A single touch suffices and lift systems and pull-outs seem to open by themselves. BLUMOTION provides silent and effortless closing action

TIP-ON BLUMOTION



Two functions – fascinatingly combined
TIP-ON BLUMOTION combines the advantages of the TIP-ON mechanical opening support system with reliable BLUMOTION dampening – 100% mechanically

TIP-ON



The mechanical opening support system
Handle-less furniture can be opened with a light touch thanks to TIP-ON. Lift systems, doors or pull-outs are closed again by pressing

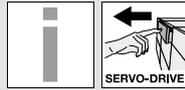
Overview – applications

 <p>Symbolic image</p>	<p>Overview – applications</p>	<p>574</p>
<p>► SERVO-DRIVE single applications</p>		
 <p>Symbolic image</p>	<p>► SERVO-DRIVE single applications</p>	<p>576</p>
	<p>►► Overview</p>	<p>577</p>



Motion technologies	BLUMOTION		SERVO-DRIVE		TIP-ON BLUMOTION		TIP-ON		
	●		○		○		○		
Lift systems									
▶ AVENTOS HF	●	41	○	41	–	–	–	–	–
▶ AVENTOS HS	●	53	○	53	–	–	–	–	–
▶ AVENTOS HL	●	59	○	59	–	–	–	–	–
▶ AVENTOS HK	●	65	○	65	–	–	○	65	65
▶ AVENTOS HK-S	●	75	–	–	–	–	○	75	75
▶ AVENTOS HK-XS	●	81	–	–	–	–	○	81	81
Hinge systems									
▶ CLIP top BLUMOTION CLIP top									
CLIP top BLUMOTION	●	93	–	–	–	–	–	–	–
CLIP top	○	185	–	–	–	–	○	199	199
▶ MODUL									
MODUL BLUMOTION	●	203	–	–	–	–	–	–	–
MODUL	–	–	–	–	–	–	–	–	–
Box systems									
▶ LEGRABOX	●	219	○	379	○	263	●	267	267
▶ TANDEMBOX intivo	●	271	○	379	○	373	–	–	–
▶ TANDEMBOX antaro	●	297	○	379	○	373	–	–	–
▶ TANDEMBOX plus	●	345	○	379	○	373	–	–	–
▶ METABOX	○	429	–	–	–	–	–	–	–
Runner systems									
▶ MOVENTO	●	437	○	491	○	453	●	459	459
▶ TANDEM	●	465	○	491	–	–	○	465	465
●	Integrated		○	Possible		–	Not possible		

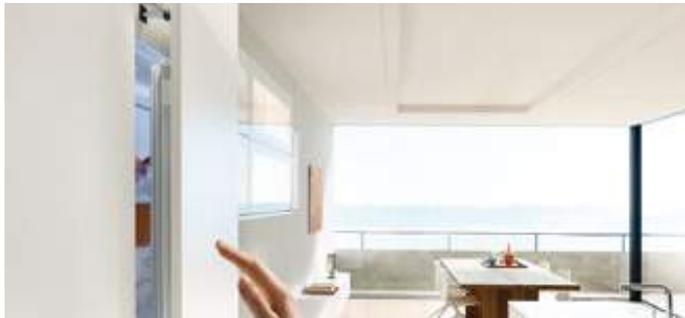




SERVO-DRIVE ease of use can also be implemented on an individual basis



For refrigerators, waste bin pull-outs or individual lift systems in wall cabinets, the SERVO-DRIVE electric motion support system guarantees that opening is fascinatingly simple.



SERVO-DRIVE flex for refrigerators, freezers and dishwashers



The SERVO-DRIVE flex drive unit is suitable for different device versions



SERVO-DRIVE uno for waste bin pull-outs



SERVO-DRIVE uno for the waste bin pull-out can easily be retrofitted and installed in just a few simple steps



SERVO-DRIVE uno for AVENTOS



If just one lift system is to be fitted with an electrical system, SERVO-DRIVE uno for AVENTOS is the ideal motion support system



►► SERVO-DRIVE flex



Symbolic image

SERVO-DRIVE flex for refrigerators and freezers	578
SERVO-DRIVE flex for dishwashers	582

►► Assembly, removal and adjustment



Symbolic image

Assembly, removal and adjustment



Short-URL

www.blum.com/a610

SERVO-DRIVE uno



Symbolic image

SERVO-DRIVE uno for bottom mount waste bin solutions – LEGRABOX TANDEMBOX	392	SERVO-DRIVE uno for AVENTOS	43
SERVO-DRIVE uno for top mount waste bin solutions – TANDEMBOX	394		
SERVO-DRIVE uno for bottom mount waste bin solutions – MOVENTO TANDEM	498		

Pictograph

	Item Available Upon Request		
	General Information		
	SERVO-DRIVE		
	Planning		



- ▶ SERVO-DRIVE single applications
- ▶▶ SERVO-DRIVE flex

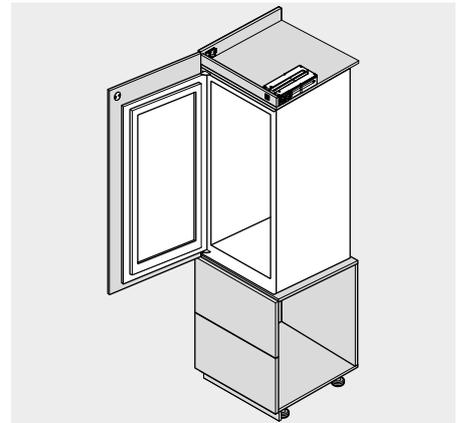


SERVO-DRIVE flex for refrigerators and freezers

Webcode
DQE85A



- Can be used for all standard built-in refrigerators and freezers
- Low recess height NH for drive unit of min. 60 mm
- Adaptive system
- Automatic self-closing system for unintentional opening
- Leaning protection
- Trigger safety
- Easy assembly and installation
- Not suitable for: refrigerators and freezers without own cabinet; freezers with base unit (recess height NH ≥ 1780 mm); refrigerated pull-outs



Order information

Refrigerator – recess height NH ≤ 1780 mm

Freezer – recess height NH < 1780 mm

17 SERVO-DRIVE flex set

Colour	Part no.
R7035	Z10C500A

Composed of:

- 9 1 x Drive unit
- 17a 2 x Mounting plate
- 17b 2 x Front fixing
- 17c 1 x Front cover
- 17d 1 x Catch plate
- 1 3 x Blum distance bumper
- 12a 1 x Connecting node
- 17e 11 x Chipboard screws
- 17f 1 x Assembly jig

16 Blum plug-in transformer 12 W

Only suitable for one drive unit

Network adapter	Language package	Part no.	Network adapter	Language package	Part no.
E	A	Z10NA30EAF	E	F	Z10NA30EFF
E	B	Z10NA30EBF	B	A	Z10NA30BAF
E	C	Z10NA30ECF	K	D	Z10NA30KDF
E	D	Z10NA30EDF	U	G	Z10NA30UGF
E	E	Z10NA30EEF			

Network adapter



Language package

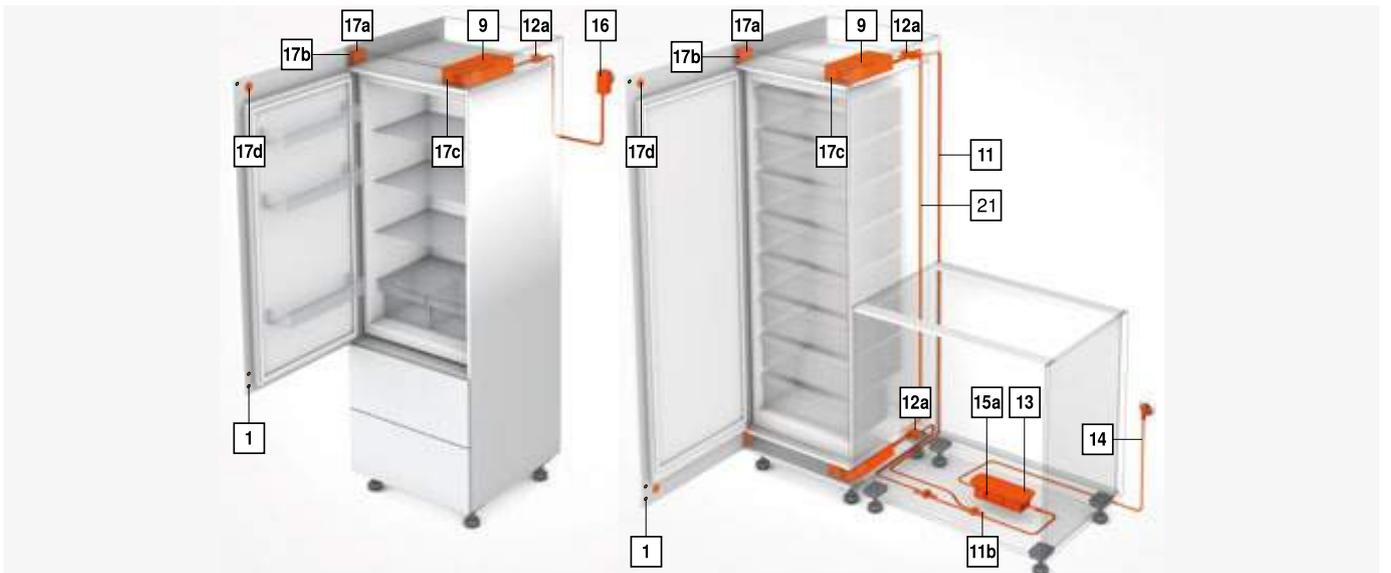
- A DE, EN, FR, IT, NL
- B DA, EN, FI, NO, SV
- C EL, EN, HR, SL, SR, TR
- D EN, ES, FR, IT, PT
- E CS, HU, PL, SK
- F BG, ET, LT, LV, RO, RU
- G EN, ES, FR
- H EN, ZH

Language descriptions as per ISO-639

Composed of:

- 16 1 x Blum plug-in transformer 12 W
- Incl. cable, 1120 mm (non-extendible)
- Other combinations available upon request

¹ See the Information chapter for a detailed market list





SERVO-DRIVE flex for refrigerators and freezers

Webcode
DQE85A

Order information

Freezer – recess height NH ≥ 1780 mm

Fridge/freezer combination

17	SERVO-DRIVE flex set		
	Colour		Part no.
	R7035	2 x	Z10C500A

Composed of:

- 9 1 x Drive unit
 - 17a 2 x Mounting plate
 - 17b 2 x Front fixing
 - 17c 1 x Front cover
 - 17d 1 x Catch plate
 - 1 3 x Blum distance bumper
 - 12a 1 x Connecting node
 - 17e 11 x Chipboard screws
 - 17f 1 x Assembly jig
- Order synchronisation cable [21] separately

11	Distribution cable		
	Length (mm)	Colour	Part no.
	3000	S	Z10K300A

For cutting to size

12	Connecting node and cable end protector		
	Material	Colour	Part no.
	Nylon	S	Z10V100E.01

Composed of:

- 12a 1 x Connecting node
- 11b 2 x Cable end protector

13	Blum transformer 24 W			
	Language package	Part no.	Language package	Part no.
	A	Z10NE030A	E	Z10NE030E
	B	Z10NE030B	F	Z10NE030F
	C	Z10NE030C	G	Z10NE030G
	D	Z10NE030D	H	Z10NE030H

Required for two or more drive units
Incl. instruction leaflet and installation instructions
Without flex

Language package			
A	DE, EN, FR, IT, NL	E	CS, HU, PL, SK
B	DA, EN, FI, NO, SV	F	BG, ET, LT, LV, RO, RU
C	EL, EN, HR, SL, SR, TR	G	EN, ES, FR
D	EN, ES, FR, IT, PT	H	EN, ZH

Language descriptions as per ISO-639

14	Flex			
	Market	Part no.	Market	Part no.
	Europe	Z10M200E	CH	Z10M200C
	US, CA	Z10M200U	JP	Z10M200J
	BR	Z10M200S.01	UK	Z10M200B
	DK	Z10M200D	IL	Z10M200I
	AU	Z10M200K	CN	Z10M200N
	AR	Z10M200A	IN	Z10M200H
	CL	Z10M200L	TW	Z10M200T
	ZA	Z10M200Z	Europe	Z10M200E.OS

¹ Without plug

15a	Transformer unit housing		
	Material	Colour	Part no.
	Nylon	R7037	Z10NG000

Incl. cover
For Blum transformer 24 W

Alternative to 15a

15b	Transformer unit housing		
	Material	Colour	Part no.
	Nylon	WGR	Z10NG120

For Blum transformer 24 W

Freezer – recess height NH ≥ 1780 mm

21	Synchronisation cable		
	Length (mm)	Colour	Part no.
	3000	R7035	Z10K300A

For cutting to size
Connects two drive units that need to activate simultaneously

a Accessories

-	Cable holder		
	Material	Colour	Part no.
	Nylon	W	Z10K0009

For example, for securing the distribution cable

24	SERVO-DRIVE switch		
	Colour		Part no.
	SW HGR		Z1P5020

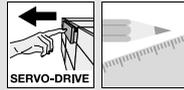
25	Wireless receiver		
	Colour		Part no.
	R7035		Z10C5007

Colour		Colour	
S	Black	WGR	White grey
R7035	RAL 7035 light grey	W	White
R7037	RAL 7037 dust grey		

Page instructions

Overview – SERVO-DRIVE single applications	577	Assembly, removal and adjustment	
SERVO-DRIVE uno – market list	706		
Planning	580	Short-URL	
Overview – assembly devices	595	www.blum.com/a610	
More technical details	686		

- ▶ SERVO-DRIVE single applications
- ▶▶ SERVO-DRIVE flex

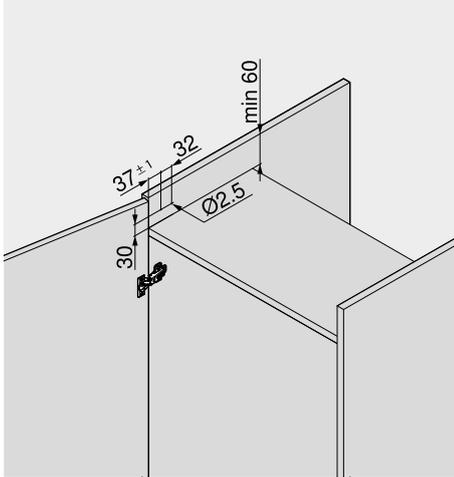


SERVO-DRIVE flex for refrigerators and freezers

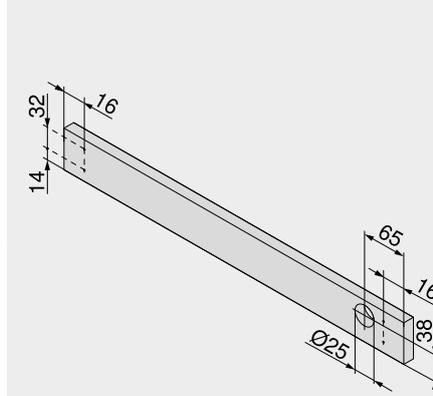
Webcode
DQE85A

Planning

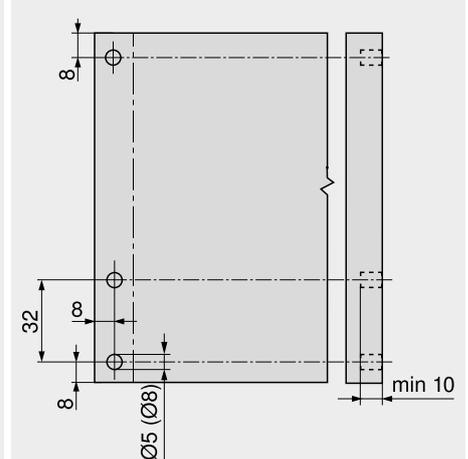
Mounting plate



Front – drive unit

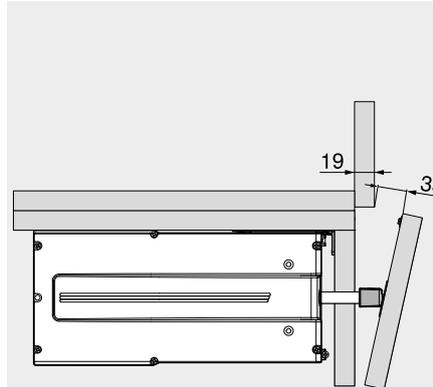
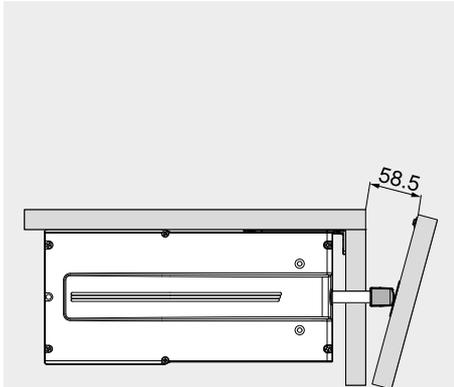


Blum distance bumper

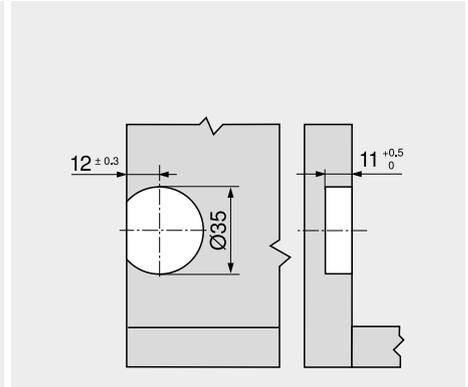


Blum distance bumper is required for the refrigerator and freezer door
The Blum distance bumper creates and maintains the required trigger path of 2 mm

Access gap

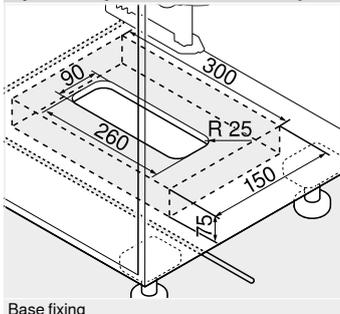


SERVO-DRIVE switch

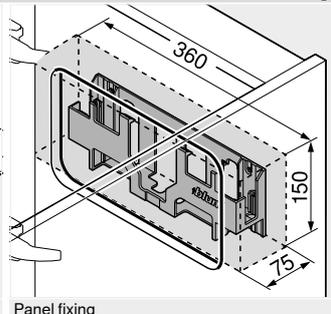


Position in the worktop area

Space requirement and safety distance – transformer unit housing



Base fixing



Panel fixing

Attention

Maintain a 30 mm safety distance from the bottom edge (base fixing) and/or front edge (panel fixing) and side edges of the transformer unit housing to the neighbouring elements

Air must be able to circulate, otherwise the Blum transformer could overheat

Page instructions

Overview – SERVO-DRIVE single applications	577
SERVO-DRIVE uno – market list	706
Order information	578
Overview – assembly devices	595
More technical details	686

Assembly, removal and adjustment



Short-URL
www.blum.com/a610

SERVO-DRIVE single applications ◀
SERVO-DRIVE flex ◀◀



Motion technologies





- ▶ SERVO-DRIVE single applications
- ▶▶ SERVO-DRIVE flex

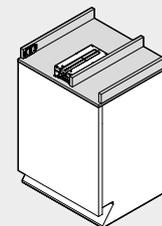


SERVO-DRIVE flex for dishwashers

Webcode
DQE8UM



- For all standard built-in dishwashers
- Low recess height NH for drive unit of min. 60 mm
- Adaptive system
- Leaning protection
- Trigger safety
- Easy assembly and installation
- Application option dependent on device type and worktop and plinth height; see Planning

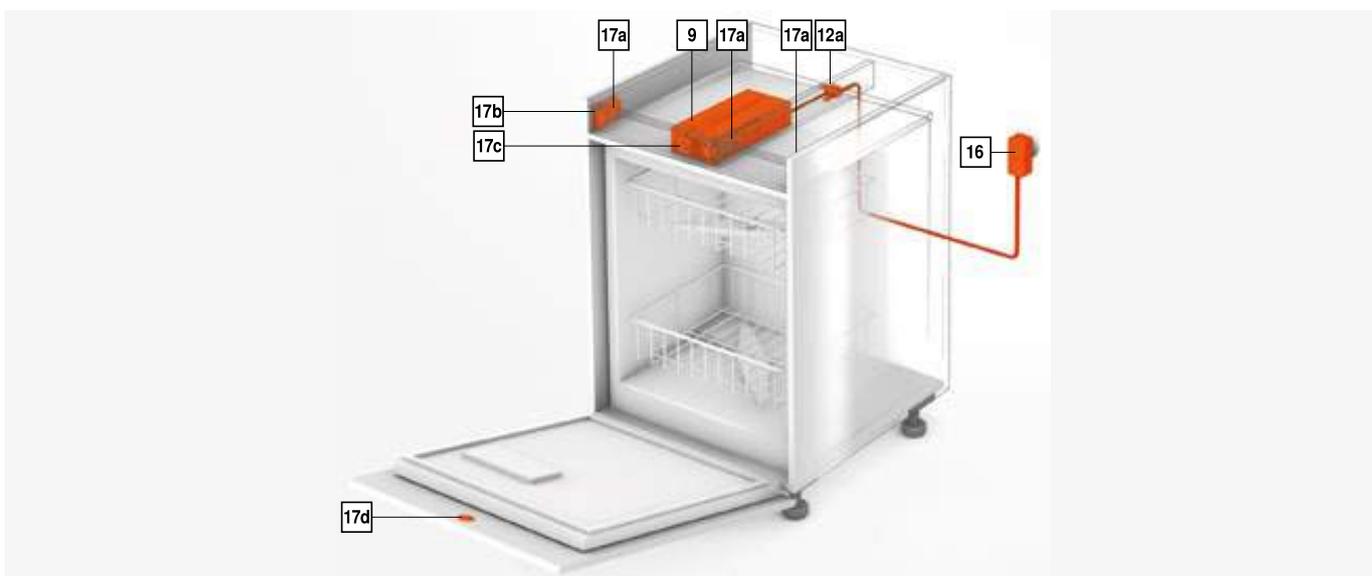


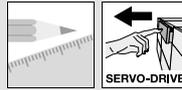
Order information

17	SERVO-DRIVE flex set	Part no.
	Colour R7035	Z10C500A
Composed of:		
9	1 x Drive unit	
17a	2 x Mounting plate	
17b	2 x Front fixing	
17c	1 x Front cover	
17d	1 x Catch plate	
1	3 x Blum distance bumper	
12a	1 x Connecting node	
17e	11 x Chipboard screws	
17f	1 x Assembly jig	

17a	Mounting plate	Part no.
	Colour R7035	Z10C5005
Also requires		
Colour		
R7035	RAL 7035 light grey	

16	Blum plug-in transformer 12 W						
Only suitable for one drive unit							
	Network adapter	Language package	Part no.	Network adapter	Language package	Part no.	
	E	A	Z10NA30EAF	E	F	Z10NA30EFF	
	E	B	Z10NA30EBF	B	A	Z10NA30BAF	
	E	C	Z10NA30ECF	K	D	Z10NA30KDF	
	E	D	Z10NA30EDF	U	G	Z10NA30UGF	
	E	E	Z10NA30EEF				
Network adapter							
E		B		K		U	
Language package							
A	DE, EN, FR, IT, NL			E	CS, HU, PL, SK		
B	DA, EN, FI, NO, SV			F	BG, ET, LT, LV, RO, RU		
C	EL, EN, HR, SL, SR, TR			G	EN, ES, FR		
D	EN, ES, FR, IT, PT			H	EN, ZH		
Language descriptions as per ISO-639							
Composed of:							
16	1 x Blum plug-in transformer 12 W						
Incl. cable, 1120 mm (non-extendible)							
Other combinations available upon request							
¹ See the Information chapter for a detailed market list							





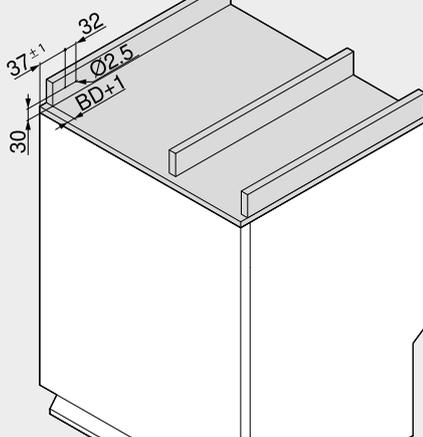
SERVO-DRIVE flex for dishwashers

Webcode
DQE8UM

Planning

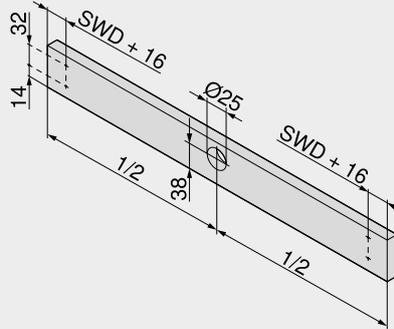
Mounting plate

BD = 16–19



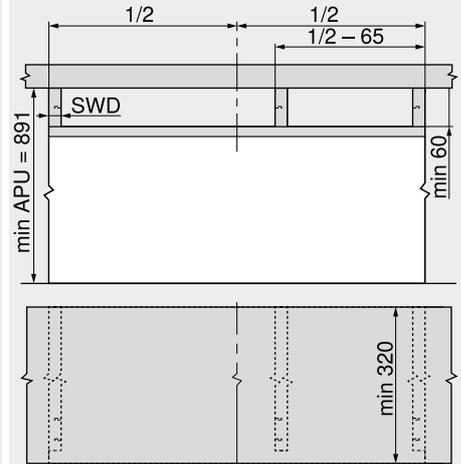
BD Front thickness
Max. 19 mm

Front – drive unit



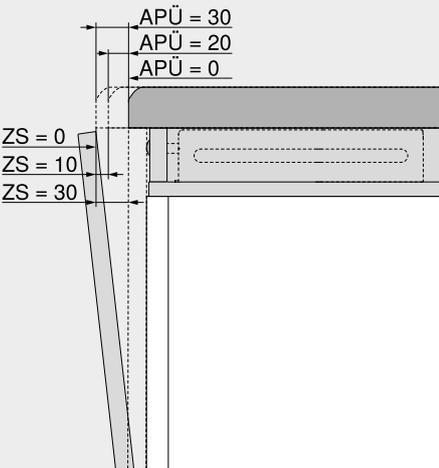
SWD Side panel thicknesses

Drive unit



SWD Side panel thicknesses
APU Worktop bottom edge

Access gap



APÜ (mm)	ZS (mm)
0	30
20	10
30	0
APÜ	Worktop protrusion
ZS	Access gap

Page instructions

Overview – SERVO-DRIVE single applications	577	Assembly, removal and adjustment	
SERVO-DRIVE uno – market list	706		
Overview – assembly devices	595	Short-URL	
More technical details	686	www.blum.com/a610	