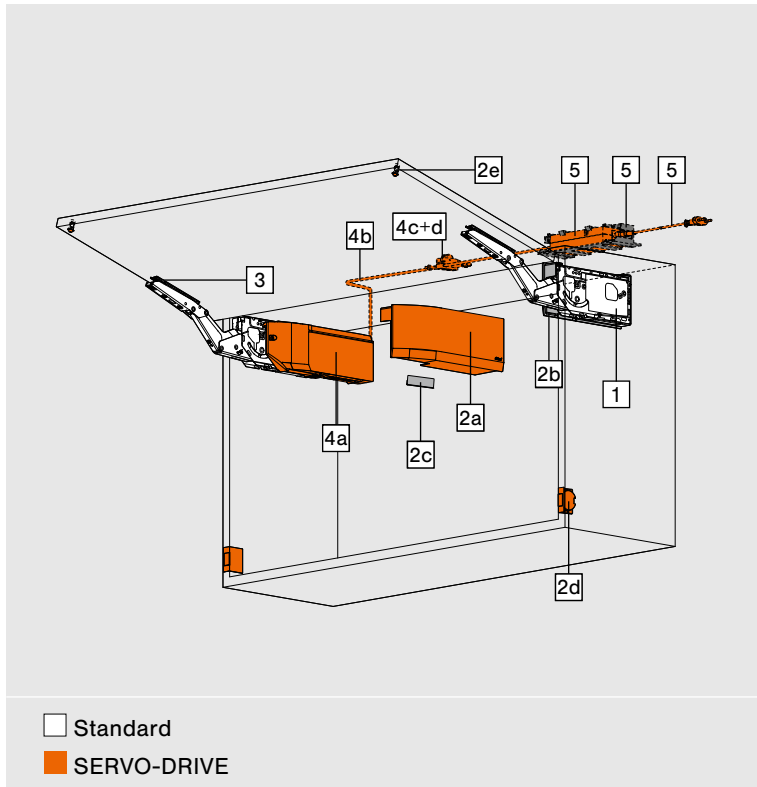


# AVENTOS HK top

Technical data sheet



**Standard and SERVO-DRIVE**



- Ideal for small applications in wall cabinets, tall cabinets and over the refrigerator
- Cabinet height 205-600 mm
- Cabinet width up to 1800 mm
- Soft and effortless closing thanks to BLUMOTION
- SERVO-DRIVE electrical motion support system
- Light operating forces
- Harmonious quality of motion with a variable stop
- Tool-free assembly
- Standardised position of the lift mechanism and front fixing bracket
- Symmetrical lift mechanism
- 3-dimensional front adjustment
- Simple, infinitely variable adjustment of the lift mechanism
- No hinges required
- Integrated safety mechanism
- Integrated infinitely variable opening angle stop

**Ordering information**

**Note**

**Power factor (LF) =**  
cabinet height (KH) [mm] x front weight incl. double handle weight [kg]

We recommend the more powerful lift mechanism for applications in overlapping ranges.  
A trial application is recommended when you are in a borderline area of the individual lift mechanism.

The power factor (LF) can be increased by 50% if you use a third lift mechanism.  
We recommend a third lift mechanism for wide cabinets. This will prevent the front from sagging when open.

1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Lift mechanism set		
	Fixing with pre-mounted system screws				
		<b>LF</b>	<b>OW</b>		
		420–1610	75°–107°		<b>22K2310</b>
		930–2800	75°–107°		<b>22K2510</b>
		1730–5200	75°–107°		<b>22K2710</b>
		3200–9000	75°–107°		<b>22K2910</b>
Max. front weight 18 kg if using two lift mechanisms.					
LF Power factor					
OW Opening angle (infinitely variable adjustment)					
<b>Consisting of:</b>					
1	2 x	Symmetrical lift mechanism Incl. pre-mounted system screws			

1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Lift mechanism set		
	Fixing with chipboard screws with positioning system				
		<b>LF</b>	<b>OW</b>		
		420–1610	75°–107°		<b>22K2300</b>
		930–2800	75°–107°		<b>22K2500</b>
		1730–5200	75°–107°		<b>22K2700</b>
		3200–9000	75°–107°		<b>22K2900</b>
Max. front weight 18 kg if using two lift mechanisms.					
LF Power factor					
OW Opening angle (infinitely variable adjustment)					
<b>Consisting of:</b>					
1	2 x	Symmetrical lift mechanism Incl. positioning system			
-	8 x	Chipboard screws Ø 4 x 35 mm			

Standard and SERVO-DRIVE

Ordering information

<b>2</b>	<input type="checkbox"/>	<b>Cover cap set</b>		
	<b>Colour</b>	<b>Material</b>		
	SW, HGR, TGR	K		<b>22K8000</b>
<b>Consisting of:</b>				
-	1 x	Cover cap left		
<b>2b</b>	1 x	Cover cap right		
<b>2c</b>	2 x	Branding element, embossed with Blum logo		
		IN-G		

<b>2</b>	<input checked="" type="checkbox"/>	<b>Cover cap set for SERVO-DRIVE</b>		
	<b>Colour</b>	<b>Material</b>		
	SW, HGR, TGR	K		<b>23K8000</b>
<b>Consisting of:</b>				
<b>2a</b>	1 x	SERVO-DRIVE cover cap left		
<b>2b</b>	1 x	Cover cap right		
<b>2c</b>	2 x	Branding element, embossed with Blum logo		
		IN-G		
<b>2d</b>	2 x	SERVO-DRIVE switch		
<b>2e</b>	2 x	Blum distance bumper Ø 5 mm		

<b>3</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<b>Front fixing bracket set</b>	
	<b>Version</b>	<b>Fixing method</b>		
	Wooden fronts and wide aluminium frames	Screw-on <sup>1</sup>		<b>20S4200</b>
	Narrow aluminium frames	Screw-on <sup>2</sup>		<b>20S4200A</b>
<b>Consisting of:</b>				
<b>3</b>	2 x	Front fixing bracket		
<sup>1</sup> Use 4 chipboard screws (609.1x00) per side for wooden fronts. Use 4 countersunk self-tapping screws (660.0950) per side for wide aluminium frames.				
<sup>2</sup> Incl. 8 x countersunk self-tapping screws – 660.0950				

-	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<b>Front fixing bracket</b>	
	<b>Version</b>	<b>Fixing method</b>		
	Thin fronts	EXPANDO T 2 x		<b>20S42T1</b>
	Wooden fronts	EXPANDO 2 x		<b>20S42E1</b>

<b>4</b>	<input checked="" type="checkbox"/>	<b>SERVO-DRIVE set</b>		
	<b>Colour</b>	<b>Material</b>		
	TGR	K		<b>23KA000</b>
<b>Consisting of:</b>				
<b>4a</b>	1 x	SERVO-DRIVE drive unit		
<b>4b</b>	1 x	SERVO-DRIVE distribution cable, 1500 mm		
<b>4c</b>	1 x	Connecting node		
-	2 x	Cable end protector		
For three lift mechanisms or more, we recommend two synchronised drive units				

<b>5</b>	<b>SERVO-DRIVE power supply unit and accessories</b>
See page 56	

Optional

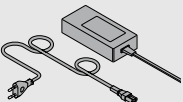

-	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<b>Branding element</b>	
	<b>Material</b>			Nylon
				<b>MOQ</b>
	Customised, printed branding element		From 1000pcs.	
	Customised, embossed branding element		From 5000pcs.	

Colours and material




Name	
SW	Silk white
HGR	Light grey
TGR	Dark grey
IN-G	In-mould brushed stainless steel
K	Nylon

**SERVO-DRIVE power supply unit and accessories**

**Ordering information**

<b>1 SERVO-DRIVE power supply unit incl. flex</b>			
			
<b>Markets</b>	<b>Language package</b>		
K	I	<b>Z10NE04KI</b>	
Incl. operating and installation instructions			
<b>Consisting of:</b>			
<b>1a</b>	1 x	SERVO-DRIVE power supply unit	
<b>1b</b>	1 x	Flex	
<b>2 Power supply unit housing</b>			
			
Panel fixing			
<b>Colour</b>		<b>Material</b>	
WGR		K	
		<b>Z10NG120</b>	
For SERVO-DRIVE power supply unit			

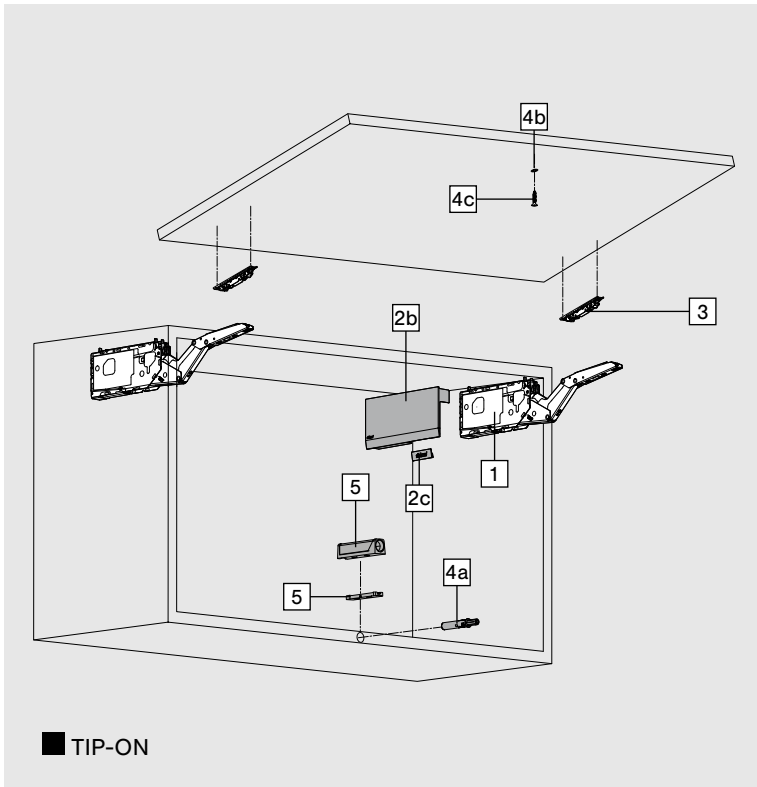
**Accessories**

<b>3 SERVO-DRIVE distribution cable and cable end protector</b>			
			
<b>Colour</b>		<b>Length (m)</b>	
S		8	<b>Z10K800AE</b>
<b>Consisting of:</b>			
<b>3a</b>	1 x	SERVO-DRIVE distribution cable	
<b>3b</b>	5 x	Cable end protector	
For cutting to size			
<b>4 Connecting node and cable end protector</b>			
			
<b>Colour</b>		<b>Material</b>	
S		K	<b>Z10V100E.01</b>
<b>Consisting of:</b>			
<b>4a</b>	1 x	Connecting node	
<b>4b</b>	2 x	Cable end protector	
<b>- Cable holder</b>			
			
<b>Colour</b>		<b>Material</b>	
W		K	<b>Z10K0009</b>
E.g. for fixing the SERVO-DRIVE distribution cable			

**Colours and material**

Name	
WGR	White grey
S	Black
W	White
K	Nylon

**TIP-ON**



- Ideal for small applications in wall cabinets, tall cabinets and over the refrigerator
- Cabinet height 205-600 mm
- Cabinet width up to 1800 mm
- Light operating forces
- Harmonious quality of motion with a variable stop
- Tool-free assembly
- Standardised position of the lift mechanism and front fixing bracket
- Symmetrical lift mechanism
- 3-dimensional front adjustment
- Simple, infinitely variable adjustment of the lift mechanism
- No hinges required
- Integrated safety mechanism
- Integrated infinitely variable opening angle stop
- TIP-ON for handle-less stay lifts
- For drilling or in combination with adapter plates

**Ordering information**

**Note**

**Power factor (LF) =**  
cabinet height (KH) [mm] x front weight incl. double handle weight [kg]

We recommend the more powerful lift mechanism for applications in overlapping ranges.  
A trial application is recommended when you are in a borderline area of the individual lift mechanism.

The power factor (LF) can be increased by 50% if you use a third lift mechanism.  
We recommend a third lift mechanism for wide cabinets. This will prevent the front from sagging when open.

<b>1</b>		<b>Lift mechanism set for TIP-ON</b>
Fixing with chipboard screws with positioning system		
	<b>LF</b>	<b>OW</b>
	420–1610	75°-107°
	930–2800	75°-107°
	1730–5200	75°-100°
	3200–9000	75°-100°
		<b>22K2300T</b>
		<b>22K2500T</b>
		<b>22K2700T</b>
		<b>22K2900T</b>
Max. front weight 18 kg if using two lift mechanisms.		
LF Power factor		
OW Opening angle (infinitely variable adjustment)		
<b>Consisting of:</b>		
<b>1</b>	2 x	Symmetrical lift mechanism incl. positioning system
-	8 x	Chipboard screws Ø 4 x 35 mm

TIP-ON

Ordering information

<b>2</b>		<b>Cover cap set</b>		
		<b>Colour</b>	<b>Material</b>	
		SW, HGR, TGR	K	<b>22K8000</b>
<b>Consisting of:</b>				
-	1 x	Cover cap left		
<b>2b</b>	1 x	Cover cap right		
<b>2c</b>	2 x	Branding element, embossed with Blum logo		
		IN-G		

<b>3</b>		<b>Front fixing bracket set</b>		
		<b>Version</b>	<b>Fixing method</b>	
		Wooden fronts and wide aluminium frames	Screw-on <sup>1</sup>	<b>20S4200</b>
		Narrow aluminium frames	Screw-on <sup>2</sup>	<b>20S4200A</b>
<b>Consisting of:</b>				
<b>3</b>	2 x	Front fixing bracket		
<sup>1</sup> Use 4 chipboard screws (609.1x00) per side for wooden fronts. Use 4 countersunk self-tapping screws (660.0950) per side for wide aluminium frames.				
<sup>2</sup> Incl. 8 x countersunk self-tapping screws – 660.0950				

-		<b>Front fixing bracket</b>		
		<b>Version</b>	<b>Fixing method</b>	
		Thin fronts	EXPANDO T 2 x	<b>20S42T1</b>
		Wooden fronts	EXPANDO 2 x	<b>20S42E1</b>

<b>4</b>		<b>TIP-ON set</b>		
		<b>Colour</b>	<b>KH (mm)</b>	
		SW, CS	Up to 600	
		<b>Version</b>		
		Short version		<b>956.1004</b>
KH Cabinet height				
<b>Consisting of:</b>				
<b>4a</b>	1 x	TIP-ON 956. – short version with magnet		
<b>4b</b>	1 x	Screw-on catch plate		
<b>4c</b>	1 x	Chipboard screws Ø 3.5 x 15 mm, part no. 609.1500		
-	1 x	Glue-on catch plate Not suitable for powder-coated, waxed or oiled surfaces		

Accessories

<b>5</b>		<b>Adapter plate</b>		
		<b>Version</b>	<b>Colour</b>	
		Straight adapter plate – short version	SW, CS	<b>956.1201</b>

Optional

<b>2c</b>		<b>Branding element</b>		
		<b>Material</b>	Nylon	
			<b>MOQ</b>	
Customised, printed branding element			From 1000pcs.	
Customised, embossed branding element			From 5000pcs.	

Colours and material

Name	
SW	Silk white
HGR	Light grey
TGR	Dark grey
CS	Carbon black
IN-G	In-mould brushed stainless steel
K	Nylon

Standard, SERVO-DRIVE and TIP-ON

Planning

**Drilling position**

**System screws**

**Chipboard screws incl. positioning system**

\* Drilling depth 11.5 mm

4 x chipboard screws Ø 4 x 35 mm

**Space requirement**

**Space requirement – cornice | crown moulding**

\* Min. 261 mm with visible wall hanging bracket

Note: Cabinet height max. 600 mm

LH Internal cabinet height

**Space requirement (mm)**

At max. opening angle

$Y = FH \times 0.29 + FD - SOB$

<b>FD (mm)</b>	16	19	22	26	28
<b>X (mm)</b>	68	57	47	33	27

SOB Top panel thickness

FD Front thickness

FH Front height

**Minimum gap**

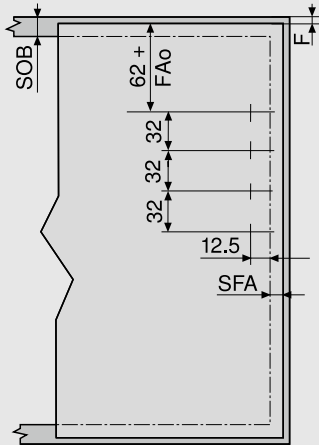
Minimum gap MF is 2 mm

Standard, SERVO-DRIVE and TIP-ON

Planning

Front assembly

Wooden fronts and wide aluminium frames



FAo Max. 25.4 mm

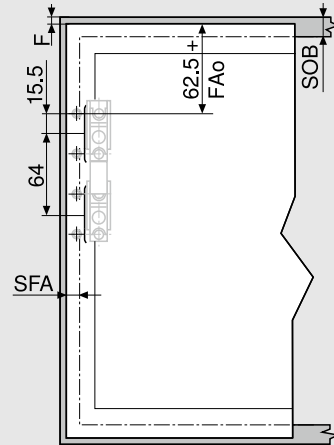
FAo Upper front overlay

SOB Top panel thickness

SFA Side front overlay

F Gap

Narrow aluminium frames



FAo Max. 25.4 mm

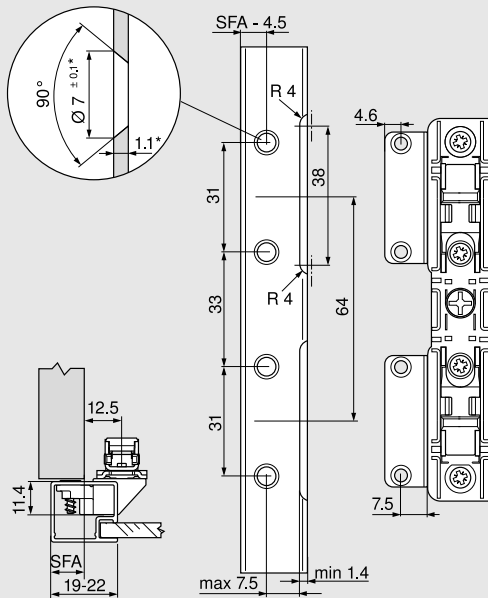
FAo Upper front overlay

SOB Top panel thickness

SFA Side front overlay

F Gap

Narrow aluminium frames



For frame width 19 mm, an SFA of 11-18 mm is possible.

\* When changing material thickness, adjust the assembly dimensions accordingly

SFA Side front overlay



Find more information on assembly and adjustment of AVENTOS HK top at [www.blum.com/hktopassembly](http://www.blum.com/hktopassembly)



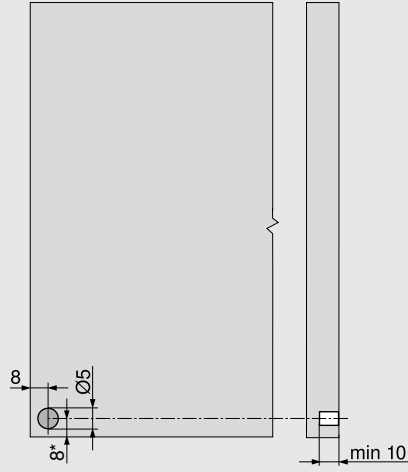
**SERVO-DRIVE for AVENTOS HK top**

**Planning**

**Blum distance bumper (SERVO-DRIVE application only)**



Insert Blum distance bumper (do not glue)  
Do not use bumpers in the upper third



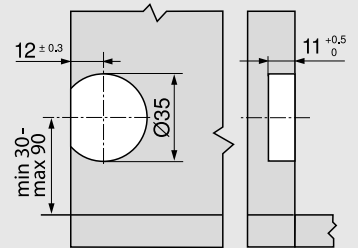
**Recommendation for aluminium frames**

Drill hole into cabinet side for Blum distance bumper

A trial application must be carried out if fixed to the front

\* From cabinet bottom edge for fronts that protrude below

**SERVO-DRIVE switch**



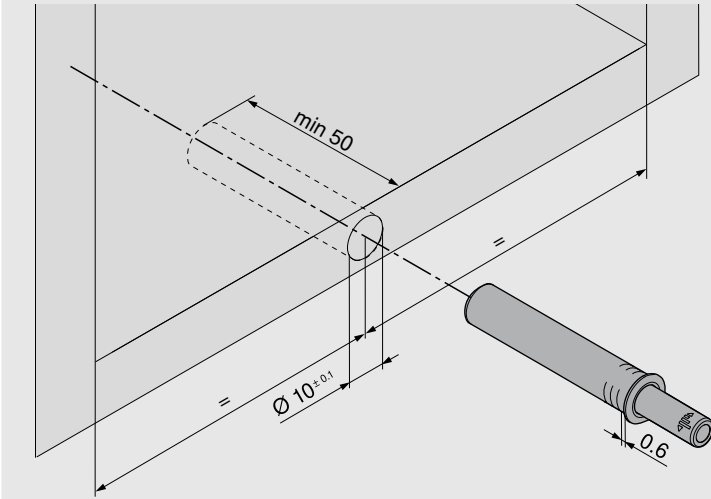
Our EASY ASSEMBLY app provides information about assembly and adjustment of AVENTOS HK top and SERVO-DRIVE

[www.blum.com/eaapp](http://www.blum.com/eaapp)

TIP-ON

Planning

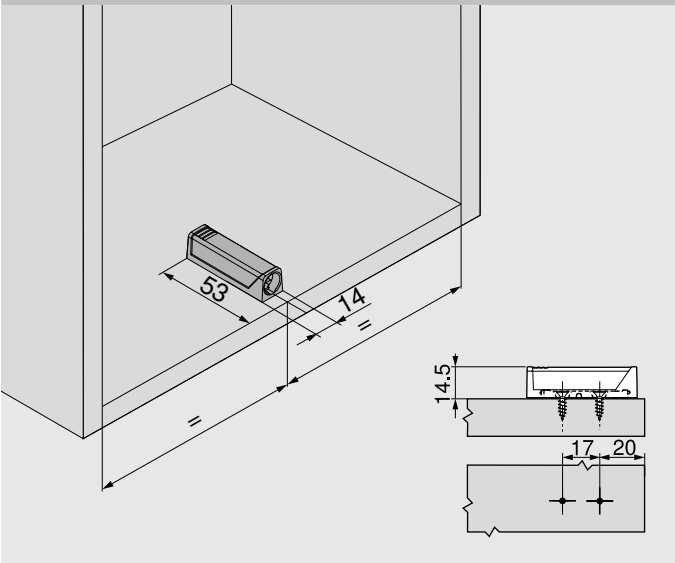
TIP-ON for drilling fixing position



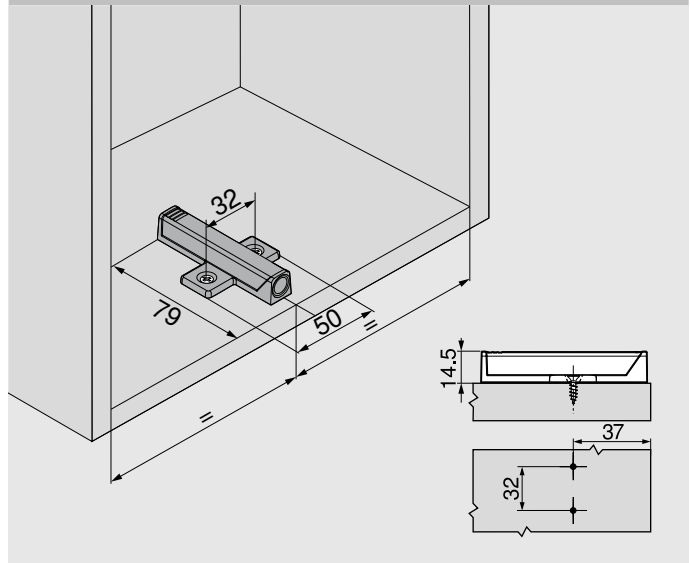
For stay lifts up to and including a height of 600 mm

TIP-ON adapter plate fixing position

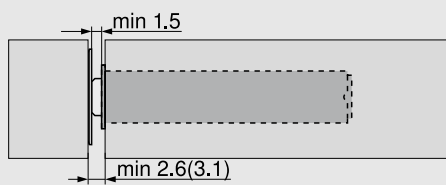
Straight adapter plate – short version



Cruciform adapter plate



Installation dimensions for front gap



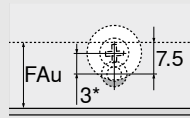
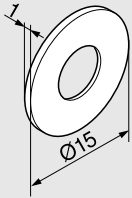
min. 2.6 mm with glue-on catch plate

( ) min. 3.1 mm with screw-on catch plate

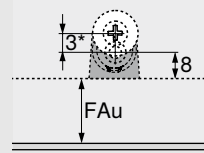
TIP-ON

Planning

Screw-on catch plate planning



For drilling

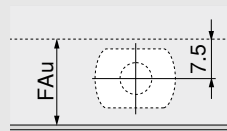
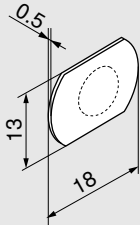


Straight adapter plate

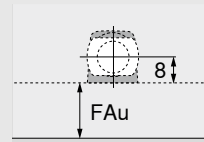
\* For the screw-on catch plate we recommend positioning the catch plate 3 mm away from TIP-ON.

FAu Bottom front overlay

Glue-on catch plate planning



For drilling



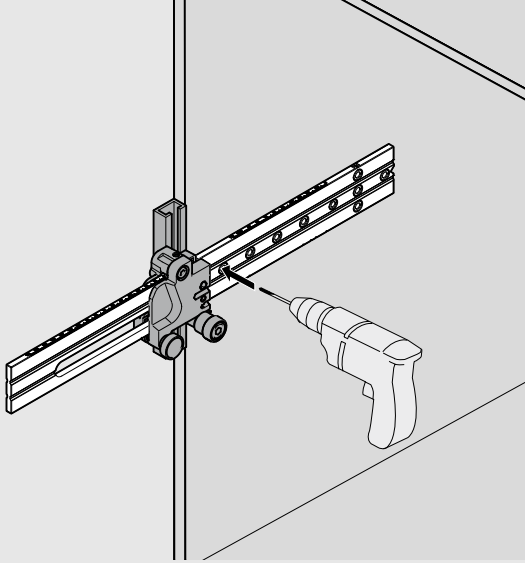
Straight adapter plate

FAu Bottom front overlay

Standard, SERVO-DRIVE and TIP-ON

Planning

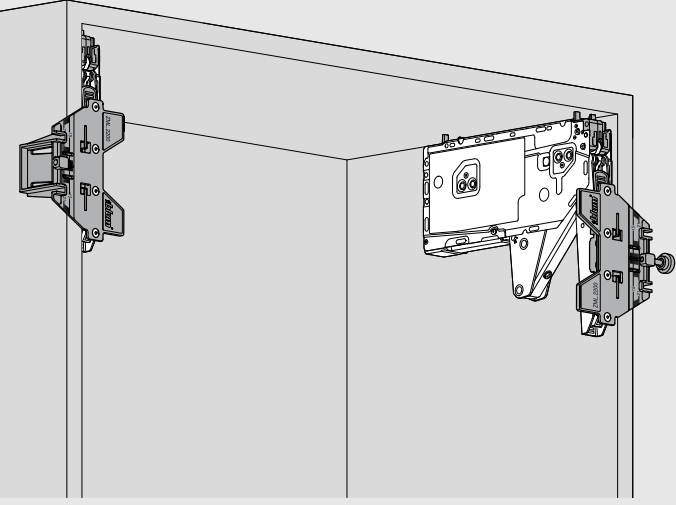
**Cabinet assembly**



Universal individual template  
can be used for all lift systems

**65.1051.02**

**Front assembly template**



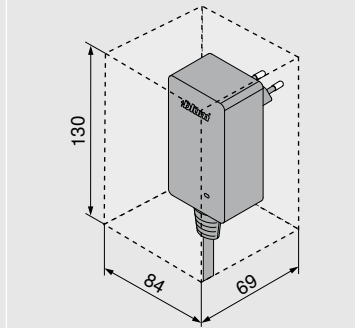
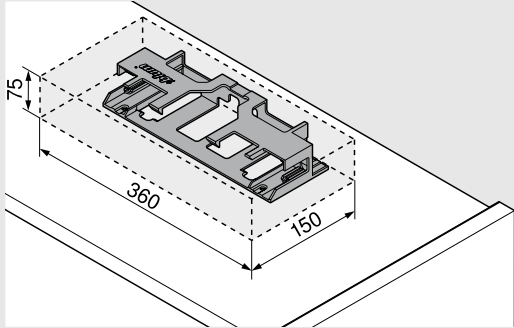
Marking template for AVENTOS HK top  
for front fixing bracket

**ZML.2200**

**SERVO-DRIVE power supply unit and accessories**

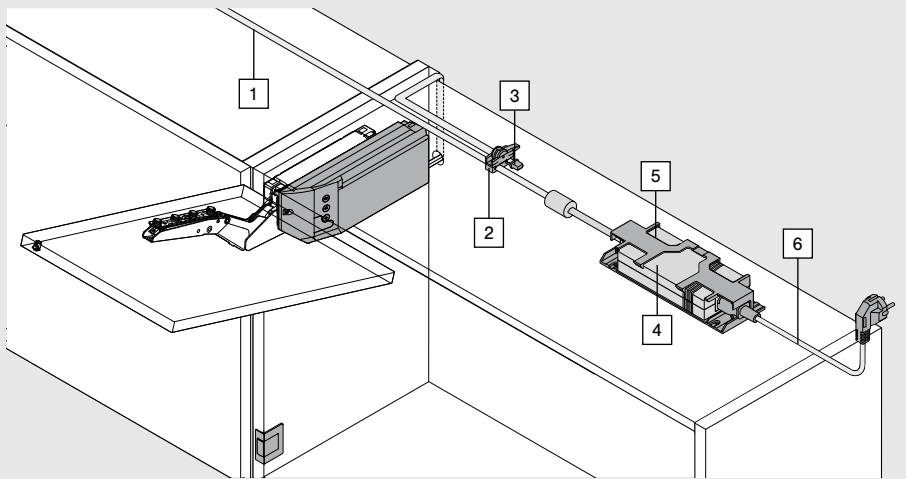
**Planning**

**Space requirement and safety distance**



**i** A safety distance of 30 mm must be maintained for air circulation (see graphic); otherwise, there is a risk that the SERVO-DRIVE power supply unit could overheat.

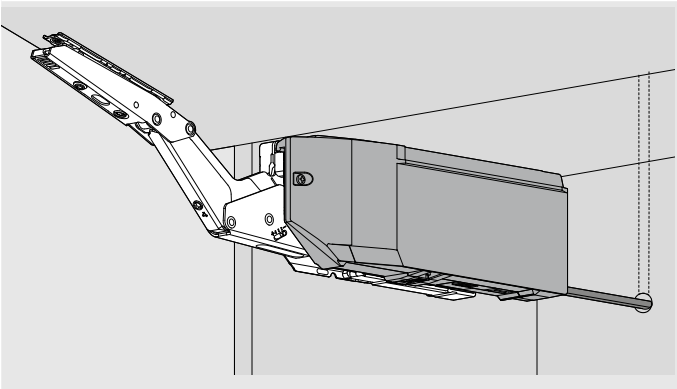
**Assembly on the cabinet top panel**



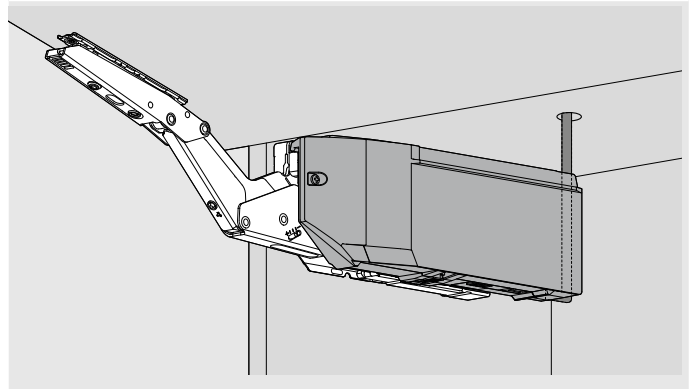
- 1 SERVO-DRIVE distribution cable
- 2 Connecting node
- 3 Cable end protector
- 4 SERVO-DRIVE power supply unit
- 5 Power supply unit housing
- 6 Flex

**i** Only one SERVO-DRIVE power supply unit can be connected to each SERVO-DRIVE distribution cable!

**Back cabling**



**Top cabling**



Find more information on assembly and adjustment of SERVO-DRIVE for AVENTOS top at [www.blum.com/servodrive-aventos-assembly](http://www.blum.com/servodrive-aventos-assembly)

 Instagram:  
@blumaustralia, #blumaustralia

 Facebook:  
facebook.com/blumaustralia

 LinkedIn:  
linkedin.com/company/blum-australia

 TikTok:  
tiktok.com/@blumaustralia

 Pinterest:  
pinterest.com/blumaustralia/

 Android App on Google Play:  
Easy Assembly App

 Available on the App Store:  
Easy Assembly App

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