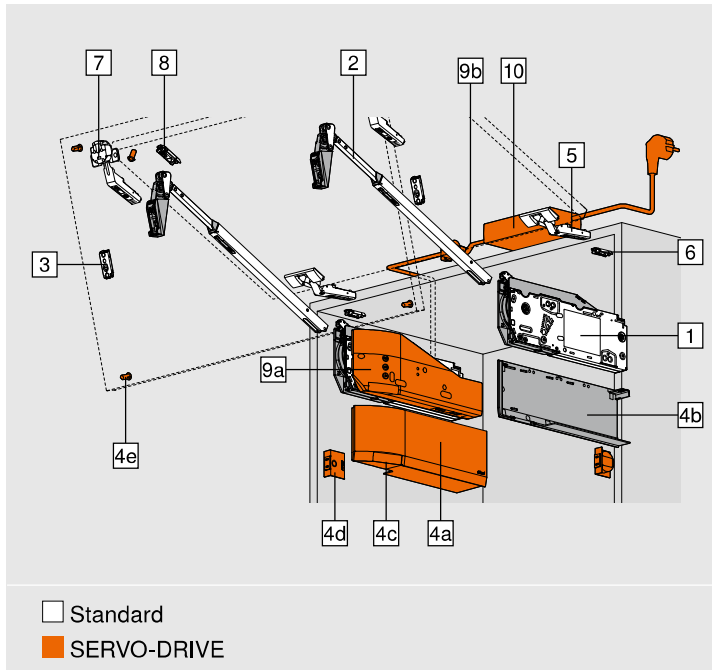


# AVENTOS HF top



## Wooden fronts and wide aluminium frames



- Ideal for higher wall cabinets with bi-fold fronts
- Cabinet height 480–1200 mm
- Cabinet width up to 1800 mm
- Internal depth of at least 264 mm
- Integrated BLUMOTION adjustment feature for soft and effortless closing
- Light operating forces
- Variable stop
- Integrated opening angle stop
- Fixed position of the lift mechanism and front fixing bracket
- Symmetrical lever arm
- Tool-free assembly
- Two lift mechanism fixing methods
- 3-dimensional adjustment of both fronts
- Centre hinge with finger safety feature

## Ordering information

### Note

**Power factor (LF) =**  
**cabinet height\* (KH) [mm] x front weight including handle weight [kg]**

\* Calculate with theoretical cabinet height (TKH) for asymmetrical fronts

For asymmetrical fronts: **theoretical cabinet height TKH** = front height top FHo (mm) x 2 + gaps

The larger front must be at the top for asymmetrical fronts.

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 can be increased by 50% when using a third lift mechanism.


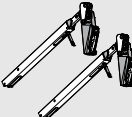
We recommend a third lift mechanism for wide cabinets. This will prevent the front from sagging when open.

1		Lift mechanism set	
		Fixing with chipboard screws with positioning system	
	LF		
		2700–13500	22F2500
		10000–19300	22F2800
LF Power factor			
Consisting of:			
1	2 x	Symmetrical lift mechanism	
-	-	incl. positioning system	
-	8 x	Chipboard screws Ø 4 x 35 mm	

1		Lift mechanism set	
		Fixing with pre-mounted system screws	
	LF		
		2700–13500	22F2510
		10000–19300	22F2810
LF Power factor			
Consisting of:			
1	2 x	Symmetrical lift mechanism with pre-mounted system screws	

## Wooden fronts and wide aluminium frames

### Ordering information

2		Telescopic arm set	
		Cabinet height (mm)*	
		480–610	22F3200
		600–910	22F3500
		840–1200	22F3900
Consisting of:			
2	2 x	Symmetrical telescopic arm	
* For asymmetrical fronts: <b>theoretical cabinet height TKH</b> = front height top FHo (mm) x 2 + gaps			

3		<b>Mounting plate for telescopic arm</b>	
		<b>Fixing method</b>	<b>Spacing (mm)</b>
		Screw-on <sup>1</sup>	0
		EXPANDO	0
		Knock-in	0
All horizontal steel mounting plates with 0 mm spacing possible			

4		<b>Cover cap set</b>	
		<b>Colour</b>	<b>Material</b>
		SW, HGR, TGR	K
<b>Consisting of:</b>			
-	1 x	Cover cap left	
4b	1 x	Cover cap right	
4c	2 x	Branding element, embossed with Blum logo	
		IN-G	

4		<b>Cover cap set for SERVO-DRIVE</b>	
		<b>Colour</b>	<b>Material</b>
		SW, HGR, TGR	K
<b>Consisting of:</b>			
4a	1 x	SERVO-DRIVE cover cap left	
4b	1 x	Cover cap right	
4c	2 x	Branding element, embossed with Blum logo	
		IN-G	
4d	2 x	SERVO-DRIVE switch	
4e	6 x	Blum distance bumper Ø 5 mm	

5		<b>CLIP top 120° hinge</b>	
		<b>Boss</b>	<b>Spring</b>
		INSERTA	Unsprung
		Screw-on <sup>1</sup>	Unsprung
<b>Boss overlay TO (fixed dimension)</b>			11 mm
3 hinges starting at cabinet width KB 1200 mm and/or 12 kg front weight			
4 hinges for cabinet width KB 1800 mm and/or starting at 20 kg front weight			

### Alternative to 5

-		<b>CLIP top 120° special hinge for larger front overlay</b>	
		<b>Boss</b>	<b>Spring</b>
		INSERTA	Unsprung
		Screw-on <sup>1</sup>	Unsprung
<b>Boss overlay TO (fixed dimension)</b>			13 mm
3 hinges starting at cabinet width KB 1200 mm and/or 12 kg front weight			
4 hinges for cabinet width KB 1800 mm and/or starting at 20 kg front weight			

6		<b>Mounting plate for CLIP top 120° hinge</b>	
		<b>Fixing method</b>	<b>Spacing (mm)</b>
		Screw-on <sup>1</sup>	0
		EXPANDO	0
		Knock-in	0
Standard mounting plates, spacing depends on the upper front overlay			


7		<b>CLIP top centre hinge</b>	
		<b>Boss</b>	<b>Spring</b>
		Screw-on <sup>1</sup>	Unsprung
		EXPANDO	Unsprung
3 hinges starting at cabinet width KB 1200 mm and/or 12 kg front weight			
4 hinges for cabinet width KB 1800 mm and/or starting at 20 kg front weight			

8		<b>Mounting plate for CLIP top centre hinge</b>	
		<b>Fixing method</b>	<b>Spacing (mm)</b>
		Screw-on <sup>1</sup>	0
		EXPANDO	0
		Knock-in	0
Standard mounting plates with 0 mm spacing			
Only use cruciform mounting plates for wide aluminium frames under a 57 mm frame width			



<sup>1</sup> Use 2 chipboard screws (609.1x00) per side for wooden fronts.  
Use 2 countersunk self-tapping screws (660.0950) per side for wide aluminium frames.

## Wooden fronts and wide aluminium frames

### Ordering information

9		SERVO-DRIVE set		
		Colour	Material	
		R7037	K	23.A000
Consisting of:				
9a	1 x	SERVO-DRIVE drive unit		
9b	1 x	SERVO-DRIVE distribution cable, 1500 mm		
-	1 x	Connecting node		
-	2 x	Cable end protector		
For three lift mechanisms or more, we recommend two synchronised drive units				
10		SERVO-DRIVE power supply unit and accessories		
See page 56				

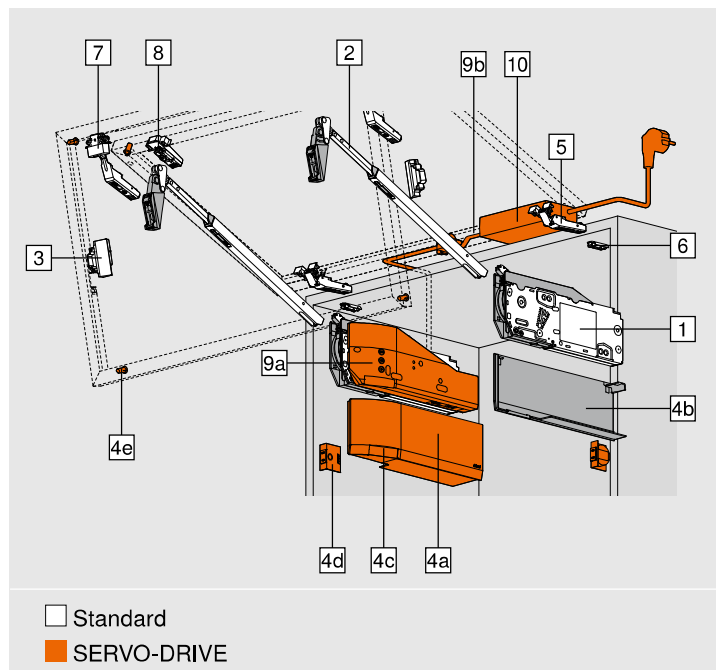
### Optional

<b>4c</b>		<b>Branding element</b>		
	<b>Material</b>		<b>Colour</b>	
	K		SW-M, TGR	IN-G
Printed *	2 x	<b>ABD.1000.BL</b>	<b>ABD.1009.BL</b>	
Embossed *	2 x	<b>ABD.1000.BT</b>	<b>ABD.1009.BT</b>	
Plain	2 x	<b>ABD.1000</b>	<b>ABD.1009</b>	
* With Blum logo				
<b>From 1000 pcs:</b>				
Customised, printed branding element				
<b>From 5000 pcs:</b>				
Customised, embossed branding element				

### Colours and material

Name	
SW	Silk white
HGR	Light grey
TGR	Dark grey
R7037	RAL 7037 dust grey
SW-M	Silk white matt
IN-G	In-mould brushed stainless steel
K	Nylon

## Narrow aluminium frames



- Ideal for higher wall cabinets with bi-fold fronts
- Cabinet height 480–1200 mm
- Cabinet width up to 1800 mm
- Internal depth of at least 264 mm
- Integrated BLUMOTION adjustment feature for soft and effortless closing
- Light operating forces
- Variable stop
- Integrated opening angle stop
- Fixed position of the lift mechanism and front fixing bracket
- Symmetrical lever arm
- Tool-free assembly
- Two lift mechanism fixing methods
- 3-dimensional adjustment of both fronts
- Centre hinge with finger safety feature

## Ordering information

### Note

**Power factor (LF) =**  
**cabinet height\* (KH) [mm] x front weight including handle weight [kg]**

\* Calculate with theoretical cabinet height (TKH) for asymmetrical fronts

For asymmetrical fronts: **theoretical cabinet height TKH** = front height top FHo (mm) x 2 + gaps

The larger front must be at the top for asymmetrical fronts.

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 can be increased by 50% when using a third lift mechanism.


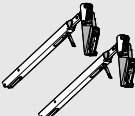



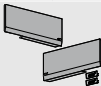






We recommend a third lift mechanism for wide cabinets. This will prevent the front from sagging when open.







1		Lift mechanism set
		Fixing with chipboard screws with positioning system
	LF	
	2700–13500	22F2500
	10000–19300	22F2800
LF Power factor		
Consisting of:		
1	2 x	Symmetrical lift mechanism
-	-	incl. positioning system
-	8 x	Chipboard screws Ø 4 x 35 mm

1		Lift mechanism set
		Fixing with pre-mounted system screws
	LF	
	2700–13500	22F2510
	10000–19300	22F2810
LF Power factor		
Consisting of:		
1	2 x	Symmetrical lift mechanism with pre-mounted system screws



## Narrow aluminium frames

### Ordering information

2		Telescopic arm set		
	Cabinet height (mm)*			
	480–610		22F3200	
	600–910		22F3500	
	840–1200		22F3900	
Consisting of:				
2	2 x	Symmetrical telescopic arm		
* For asymmetrical fronts: <b>theoretical cabinet height TKH</b> = front height top FHo (mm) x 2 + gaps				
3		CLIP adapter plate set for telescopic arms		
	Version		Spacing (mm)	
	Left/right		0	175H5B00
4		Cover cap set		
	Colour		Material	
	SW, HGR, TGR		K	22.8000
Consisting of:				
-	1 x	Cover cap left		
4b	1 x	Cover cap right		
4c	2 x	Branding element, embossed with Blum logo		
		IN-G		
4		Cover cap set for SERVO-DRIVE		
	Colour		Material	
	SW, HGR, TGR		K	23.8000
Consisting of:				
4a	1 x	SERVO-DRIVE cover cap left		
4b	1 x	Cover cap right		
4c	2 x	Branding element, embossed with Blum logo		
		IN-G		
4d	2 x	SERVO-DRIVE switch		
4e	6 x	Blum distance bumper Ø 5 mm		
5		CLIP top 120° aluminium frame door hinge		
	Boss		Spring	
	Screw-on		Unsprung	72T550A.TL
3 hinges starting at cabinet width KB 1200 mm and/or 12 kg front weight				
4 hinges for cabinet width KB 1800 mm and/or starting at 20 kg front weight				
6		Mounting plate for CLIP top 120° hinge		
	Fixing method		Spacing (mm)	
	Screw-on		0	175H3100
	EXPANDO		0	177H3100E
	Knock-in		0	177H3100
Standard mounting plates, spacing depends on the upper front overlay				

7		CLIP top aluminium centre hinge		
		Boss	Spring	
		Screw-on	Unsprung	78Z550AT
3 hinges starting at cabinet width KB 1200 mm and/or 12 kg front weight				
4 hinges for cabinet width KB 1800 mm and/or starting at 20 kg front weight				
8		CLIP adapter plate for centre hinges		
		Version	Spacing (mm)	
		Symmetrical	0	175H5A00
9		SERVO-DRIVE set		
		Colour	Material	
		R7037	K	23.A000
Consisting of:				
9a	1 x	SERVO-DRIVE drive unit		
9b	1 x	SERVO-DRIVE distribution cable, 1500 mm		
-	1 x	Connecting node		
-	2 x	Cable end protector		
For three lift mechanisms or more, we recommend two synchronised drive units				
10	SERVO-DRIVE power supply unit and accessories			
See page 56				

### Optional

4c		Branding element			
			Material	Colour	
			K	SW-M, TGR	IN-G
Printed *	2 x	ABD.1000.BL	ABD.1009.BL		
Embossed *	2 x	ABD.1000.BT	ABD.1009.BT		
Plain	2 x	ABD.1000	ABD.1009		
* With Blum logo					
From 1000 pcs:					
Customised, printed branding element					
From 5000 pcs:					
Customised, embossed branding element					

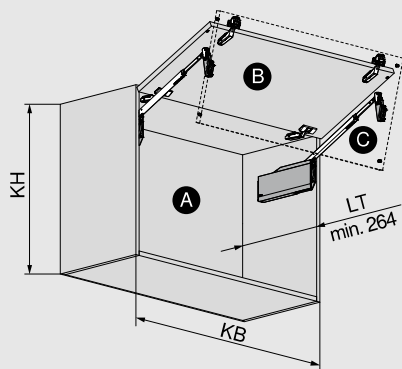
### Colours and material

Name	
SW	Silk white
HGR	Light grey
TGR	Dark grey
R7037	RAL 7037 dust grey
SW-M	Silk white matt
IN-G	In-mould brushed stainless steel
K	Nylon

## Wooden fronts, wide and narrow aluminium frames

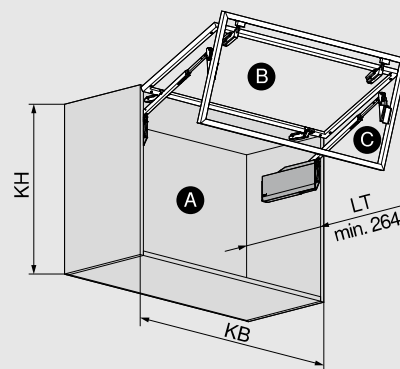
### Planning

#### Wooden fronts and wide aluminium frames (symmetrical)



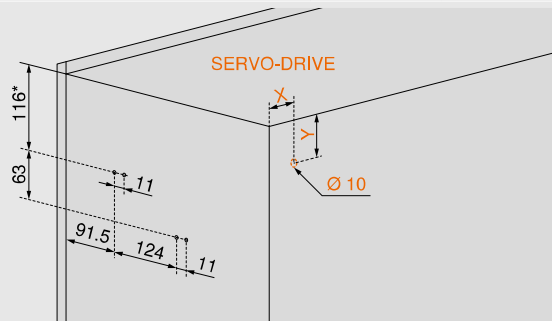
A	Cabinet
B	Front 1
C	Front 2
KB	Cabinet width
KH	Cabinet height
LT	Internal cabinet depth

#### Narrow aluminium frames (symmetrical)



A	Cabinet
B	Front 1
C	Front 2
KB	Cabinet width
KH	Cabinet height
LT	Internal cabinet depth

#### Fixing position for lift mechanism with chipboard screws incl. positioning system

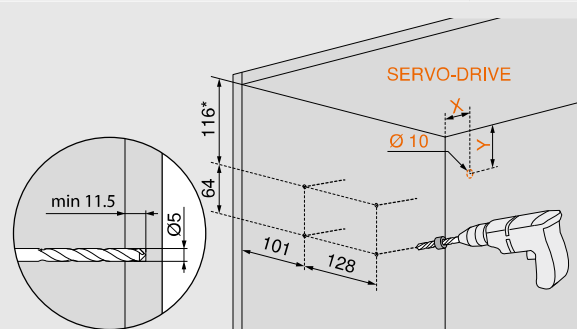


Cabinet height KH (mm)	X (mm)	Y (mm)
480–519	38.5	102
520–1200	38.5	124

4 x chipboard screws Ø 4 x 35 mm

\* 116 mm for cabinet height KH 520–1200 mm  
93 mm for cabinet height KH 480–519 mm

#### Fixing position for lift mechanism with pre-mounted system screws



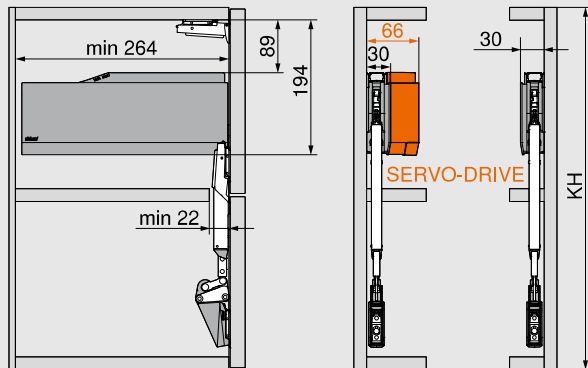
Cabinet height KH (mm)	X (mm)	Y (mm)
480–519	38.5	102
520–1200	38.5	124

\* 116 mm for cabinet height KH 520–1200 mm  
93 mm for cabinet height KH 480–519 mm

## Wooden fronts, wide and narrow aluminium frames

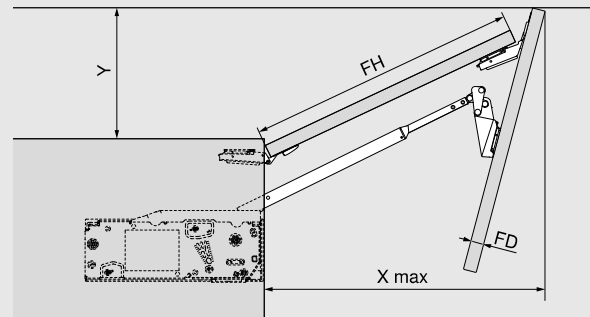
### Planning

#### Space requirement



KH Cabinet height

#### Space requirement upper



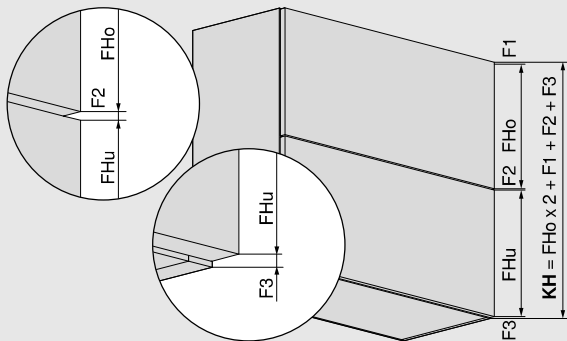
$$X \max = FH \times 0.9 + 1.5 \times FD + 35$$

Opening angle stop	Y (mm)
Unsprung	$FH \times 0.44 + 38$
107°	$FH \times 0.29 + 35$
97°	$FH \times 0.12 + 31$
88°	28
81°	0

FD Front thickness

FH Front height

#### Symmetrical front



F1 Gap 1

F2 Gap 2

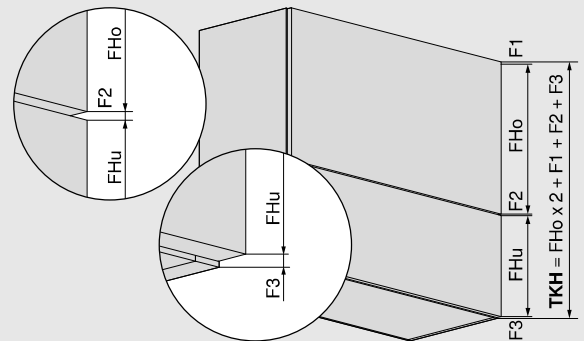
F3 Gap 3

FHo Front height top

FHu Lower front height

KH Cabinet height

#### Asymmetrical front



F1 Gap 1

F2 Gap 2

F3 Gap 3

FHo Front height top

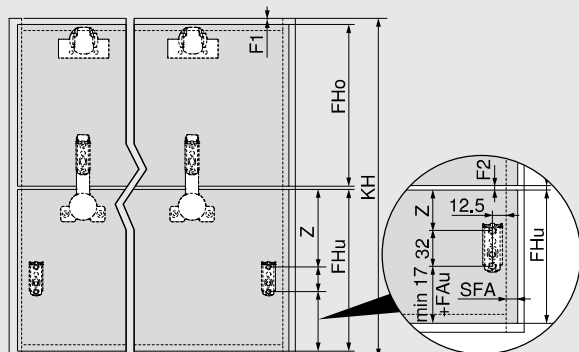
FHu Lower front height

TKH Theoretical cabinet height

## Wooden fronts and wide aluminium frames

### Planning

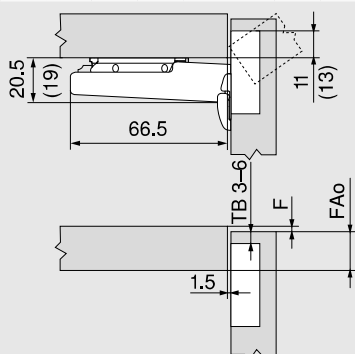
#### Wood and wide aluminium frames



Cabinet height KH (mm)	Z (mm)
480–519	170
520–1200	189

F1	Gap 1
F2	Gap 2
FAu	Bottom front overlay
FHo	Front height top
FHu	Lower front height
SFA	Side front overlay

#### CLIP top 120° hinge



F Gap

() CLIP top 120° special hinge

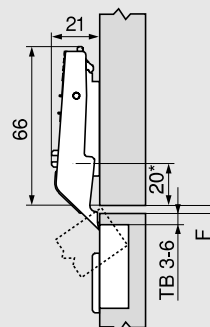
#### Drilling distance TB

MD	Front overlay FA (mm)												
	5	6	7	8	9	10	11	12	13	14	15	16	17
0										3	4	5	6
3							3	4	5	6			
6				3	4	5	6						
9	3	4	5	6									

MD Mounting plate spacing (mm)

The front overlay must always be 2 mm bigger for the CLIP top 120° special hinge.

#### CLIP top centre hinge



F Min. gap 1.5 mm

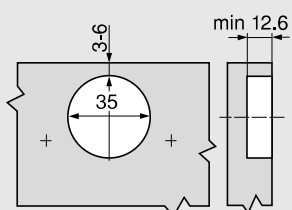
\* 37 mm for cruciform mounting plates (37/32)

#### Drilling distance TB

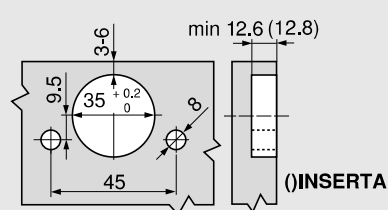
MD	Horizontal gap F between fronts (mm)											
									3	4	5	6
0									6	5	4	3
3												
6												
9												

MD Mounting plate spacing (mm)

#### Screw-on assembly



#### INSERTA | EXPANDO assembly

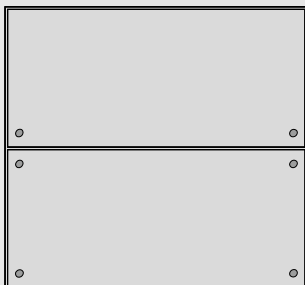




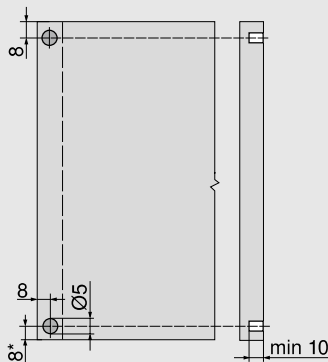
## SERVO-DRIVE for AVENTOS HF top

### Planning

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



Insert Blum distance bumper (do not glue)



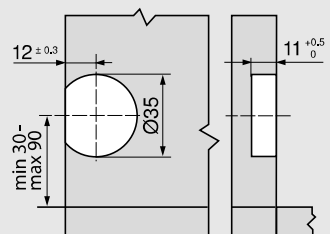
#### Recommendation for aluminium frames

Consider drilling the Blum distance bumper in the cabinet side

A trial application must be carried out when fixing to the front

\* From cabinet bottom edge for fronts that protrude below

#### SERVO-DRIVE switch



## Accessories for AVENTOS HF top

### Ordering information

#### Hinge set – wooden fronts



#### Ordering information

##### Fixing method

INSERTA | Knock-in | EXPANDO

☎ 78Z5530T11

##### Consisting of:

2x	CLIP top 120° hinge unsprung 70T5590BTL
2 x	CLIP top centre hinge unsprung 78Z5530T
6 x	Horizontal cam mounting plate 177H3100

#### Hinge set – wooden fronts and wide aluminium frames



#### Ordering information

##### Fixing method

Screw-on<sup>1</sup>

☎ 78Z5500T12

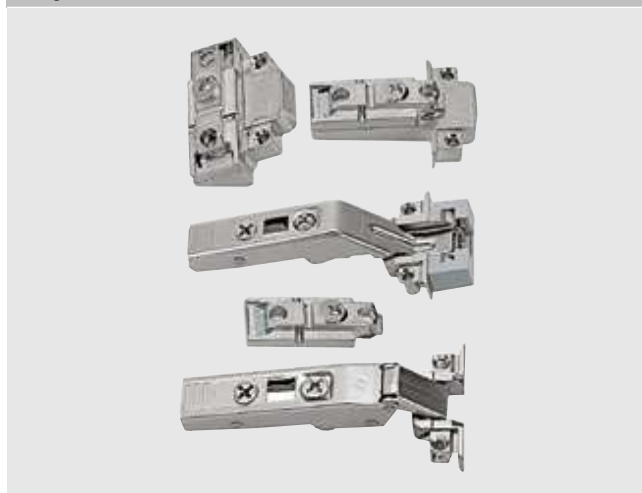
##### Consisting of:

2x	CLIP top 120° hinge unsprung 70T5550.TL
2 x	CLIP top centre hinge unsprung 78Z5500T
6 x	Horizontal cam mounting plate 175H3100

<sup>1</sup> Use chipboard screws (609.1x00) for wooden fronts. Use countersunk self-tapping screws (660.0950) for wide aluminium frames.

For wide aluminium frames, an additional cruciform mounting plate is required for the CLIP top centre hinge.

#### Hinge set – narrow aluminium frames



#### Ordering information

##### Fixing method

Screw-on

☎ 78Z550AT11

##### Consisting of:

2x	CLIP top 120° aluminium frame door hinge unsprung 72T550A.TL
2 x	CLIP top aluminium centre hinge unsprung 78Z550AT
2 x	Horizontal cam mounting plate 175H5400
2 x	CLIP adapter plate symmetric 175H5A00
2 x	CLIP adapter plate left/right 175H5B00