

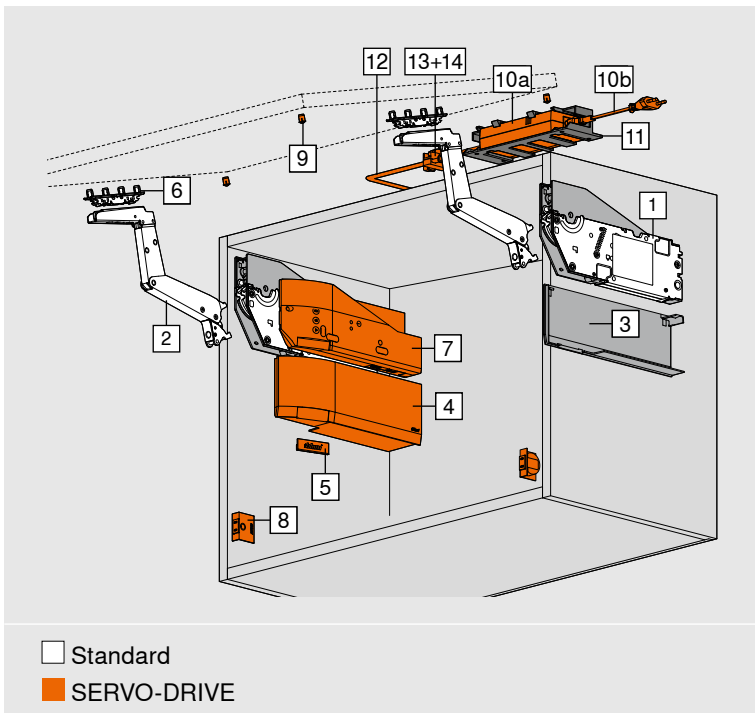
AVENTOS HS top

Technical data sheet



www.blum.com

 **blum**[®]



- Ideal for large, one-part fronts
- Cabinet height 350-800 mm
- Cabinet width up to 1800 mm
- Internal depth of at least 264 mm
- Integrated BLUMOTION setting
- SERVO-DRIVE electrical motion support system
- Light operating forces
- Variable stop
- Standardised position of the lift mechanism and front fixing bracket
- Symmetrical lift mechanism and lever arm
- Tool-free assembly
- Two lift mechanism fixing methods
- 3-dimensional adjustment of the front
- Lever arm in the variants nickel and eclipse black

Ordering information

Note

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 front weight (FG) 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
	Fixing with pre-mounted system screws		
	KH (mm)	FG (kg)	2 x
	350-450	2.00-11.50	22S2211
	450-540	2.50-12.50	22S2511
	650-800	3.50-18.50	22S2811
KH Cabinet height			
FG Front weight including handle weight			
Symmetrical lift mechanism			
Incl. pre-mounted system screws			

1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Lift mechanism
	Fixing with chipboard screws with positioning system		
	KH (mm)	FG (kg)	2 x
	350-450	2.00-11.50	22S2201
	450-540	2.50-12.50	22S2501
	650-800	3.50-18.50	22S2801
KH Cabinet height			
FG Front weight including handle weight			
Symmetrical lift mechanism			
Incl. positioning system			

Ordering information

2		Lever arm		2 x
		Colour	Material	
		NI, ECS	Steel	22S3501

Symmetrical lever arm

3		Cover cap right		22.8001
		Colour	Material	
		SW, HGR, TGR	Nylon	

-		Cover cap left		22.8001
		Colour	Material	
		SW, HGR, TGR	Nylon	

4		SERVO-DRIVE cover cap left		23.8001
		Colour	Material	
		SW, HGR, TGR	Nylon	

5		Branding element		
		Material	Colour	
		Nylon	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

6		Front fixing bracket		2x	
		Version	Fixing method		
		Wooden fronts and wide aluminium frames	Screw-on ¹		20S4201
			EXPANDO		20S42E1
Knock-in	20S4231				
Colour	NI, ONS				

¹ 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.

6		Front fixing bracket		2x
		Version	Fixing method	
		Narrow aluminium frames	Screw-on ²	20S4201A
Colour	NI, ONS			

² Incl. 4 x countersunk self-tapping screws – 660.0950

6		Front fixing bracket		2x
		Version	Fixing method	
		Thin fronts	EXPANDO T	
Colour	NI, ONS			

7		Drive unit		23.A001
		Colour	Material	
		TGR	Nylon	

For three lift mechanisms or more, we recommend two synchronised drive units

We recommend one drive unit per set for connected fronts.

8		SERVO-DRIVE switch		2 x
		Colour	Material	
		SW, HGR, TGR	Nylon	23P5020

Incl. battery

9		Blum distance bumper		4 x
		Colour	Material	
		R7037	Nylon	
		Ø 5 mm	4 x	993.0530
		Ø 8 mm	4 x	993.0830.01

Accessories

-		Universal individual template	65.1051.02
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-		Marking template for AVENTOS HS top HL top HK top front fixing bracket	ZML.2200
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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
NI	Nickel plated
ONS	Onyx black
ECS	Eclipse black

Ordering information

10 SERVO-DRIVE power supply unit incl. flex					
Market	Language package		Market	Language package	
E	A	Z10NE04EA	I	A	Z10NE04IA
E	B	Z10NE04EB	K	I	Z10NE04KI
E	C	Z10NE04EC	N	H	Z10NE04NH
E	D	Z10NE04ED	R	H	Z10NE04RH
E	E	Z10NE04EE	S	K	Z10NE04SK
E	F	Z10NE04EF	T	H	Z10NE04TH
E	I	Z10NE04EI	U	G	Z10NE04UG
B	A	Z10NE04BA	U	J	Z10NE04UJ
B	I	Z10NE04BI	Z	I	Z10NE04ZI
H	I	Z10NE04HI			
Consisting of:					
10a	1 x	SERVO-DRIVE power supply unit Incl. operating and installation instructions			
10b	1 x	Flex Length 1.5–1.8 m, incl. plug			
11 Power supply unit housing					
		Colour	Material		
		WGR	Nylon	Z10NG120	
For SERVO-DRIVE power supply unit					
- SERVO-DRIVE plug-in power supply unit					
Only suitable for one drive unit					
Market	Language package		Market	Language package	
E	A	Z10NA40EA	E	F	Z10NA40EF
E	B	Z10NA40EB	B	A	Z10NA40BA
E	C	Z10NA40EC	K	I	Z10NA40KI
E	D	Z10NA40ED	N	H	Z10NA40NH
E	E	Z10NA40EE	U	G	Z10NA40UG
Item available on request					
Consisting of:					
-	1 x	SERVO-DRIVE plug-in power supply unit Incl. cable, 1120 mm (with SERVO-DRIVE distribution cable extendible to max. 2000 mm) Incl. operating and installation instructions			

Accessories

12 SERVO-DRIVE distribution cable				
		Colour	Length (m)	
		SZ	6	Z10K600A
		SZ	100	Z10K1HMA
For cutting to size				
13 Connecting node				
		Colour	Material	
		SZ	Nylon	Z10V1000.01
14 Cable end protector				
		Colour	Material	
		R7037	Nylon	Z10K0008
- Cable holder				
		Colour	Material	
		WS	Nylon	Z10K0009
E.g. for fixing the SERVO-DRIVE distribution cable				
- SERVO-DRIVE switch attachment				
		Colour	Material	2 x
		SW, HGR, TGR	Nylon	Z10P5216
For attaching the SERVO-DRIVE switch to the cabinet side without milling				

Markets and language packages

Name		Language packages*	
Markets		Language packages*	
E	Europa	A	DE, EN, FR, IT, NL
B	UK	B	DA, EN, FI, NO, SV
H	IN	C	EL, EN, HR, SR, SL, TR
I	IL	D	EN, ES, FR, IT, PT
K	AU	E	CS, HU, PL, SK
N	CN	F	BG, ET, LV, LT, RO, RU, UK
R	KR	G	EN, ES, FR
S	BR	H	EN, ZH, KO
T	TW	I	EN
U	US CA JP	J	JA
Z	ZA	K	EN, ES, PT

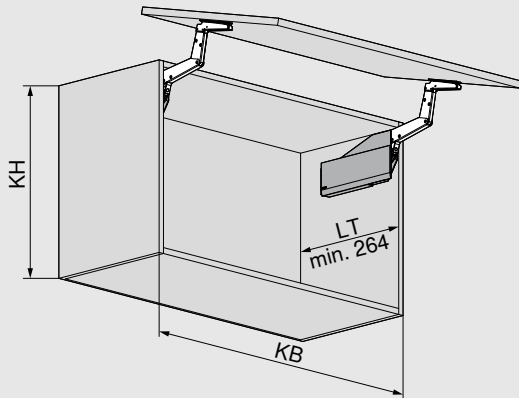
* Language descriptions as per ISO-639

Colours and material

Name			
WS	White	TGR	Dark grey
SW	Silk white	SZ	Black
WGR	White grey	R7037	RAL 7037 dust grey
HGR	Light grey		

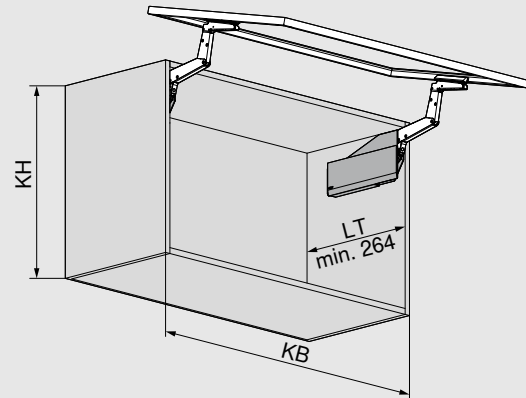
Planning

Wooden fronts and wide aluminium frames



KB Cabinet width
KH Cabinet height
LT Internal cabinet depth

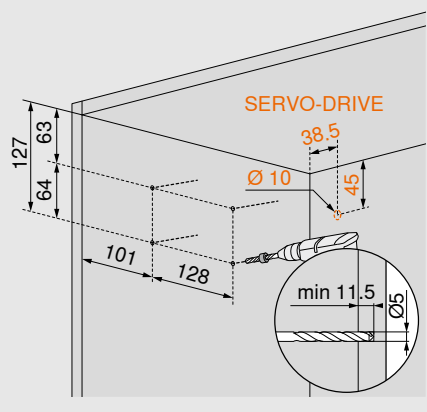
Narrow aluminium frames



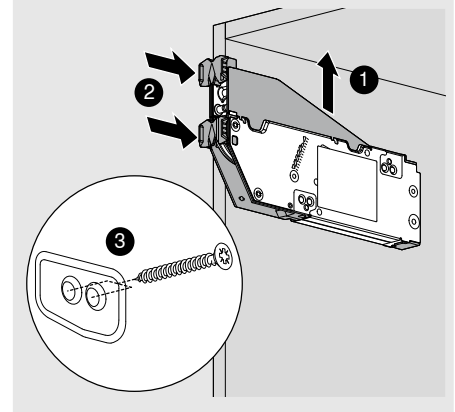
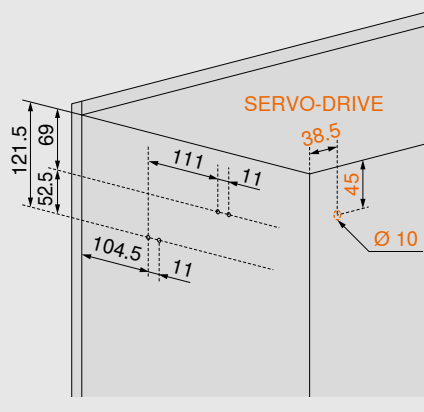
KB Cabinet width
KH Cabinet height
LT Internal cabinet depth

Drilling position

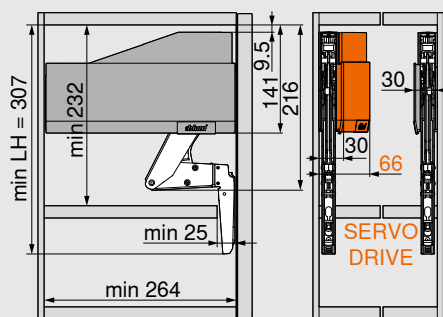
System screws



Chipboard screws incl. positioning system

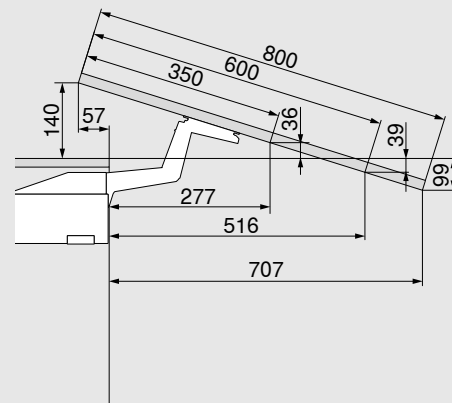


Space requirement



LH Internal cabinet height

Front setting

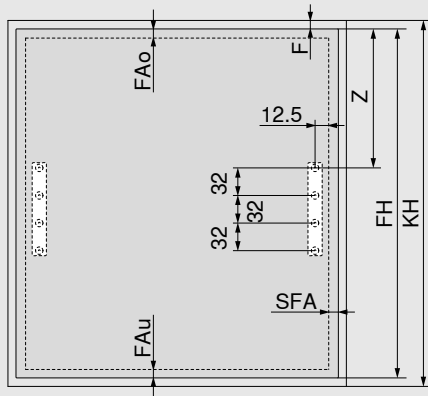


Dimensions depend on tilt adjustment

Planning

Front assembly

Wooden fronts and wide aluminium frames



FAo Upper front overlay

FAu Bottom front overlay

F Gap

Z 195 + FAo

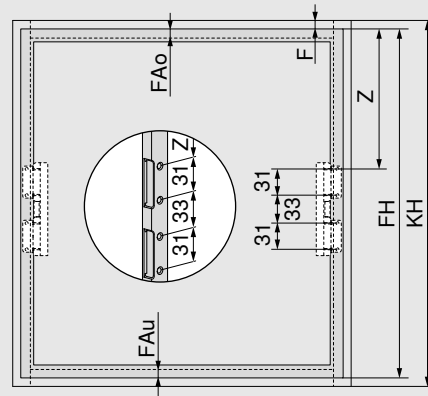
FH Front height

KH Cabinet height

SFA Side front overlay

Wall application: minimum 5 mm gap

Narrow aluminium frames



FAo Upper front overlay

FAu Bottom front overlay

F Gap

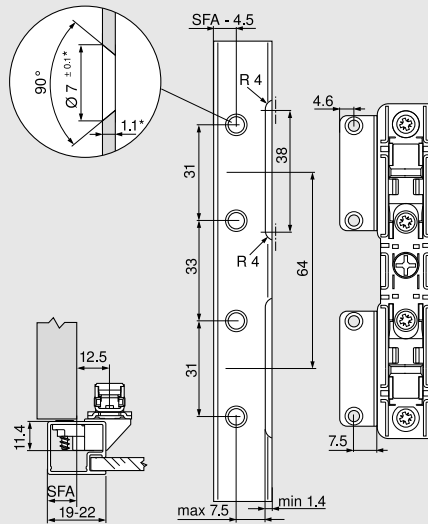
Z 195.5 + FAo

FH Front height

KH Cabinet height

Wall application: minimum 5 mm gap

Narrow aluminium frames

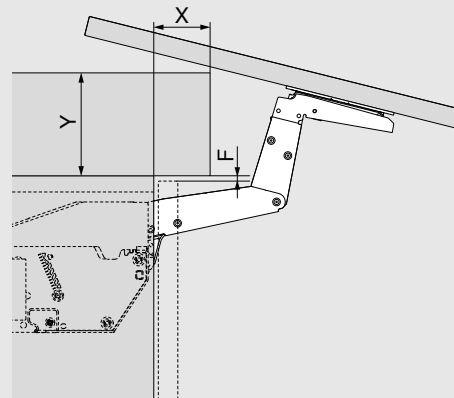


For frame width 19 mm, an SFA of 11-18 mm is possible.

* When changing material thickness, adjust the assembly dimensions accordingly

SFA Side front overlay

Space requirement – cornice | crown moulding



F (mm)	3.0	2.0	1.5
X max. (mm)	31	29	27
Y max. (mm)	117	118	119
F Gap			



Find more information on assembly and adjustment of AVENTOS HS top at www.blum.com/hstopassembly

SERVO-DRIVE for AVENTOS HS top

Planning

Blum distance bumper (SERVO-DRIVE application only)

Insert Blum distance bumper (do not glue)

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



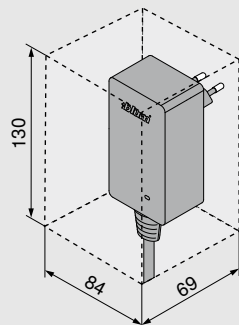
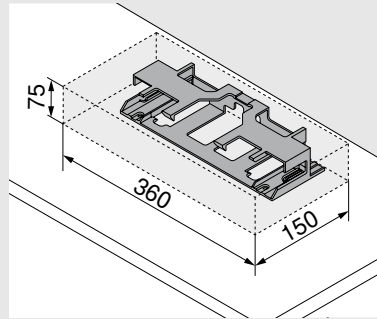
Our EASY ASSEMBLY app provides information about assembly and adjustment of AVENTOS HS top and SERVO-DRIVE

www.blum.com/eaapp

SERVO-DRIVE power supply unit and accessories

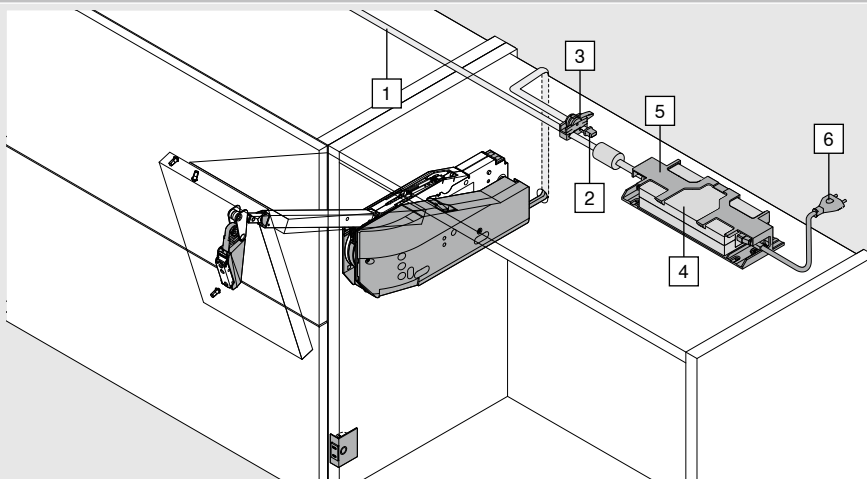
Planning

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 or SERVO-DRIVE plug-in power supply unit could overheat.

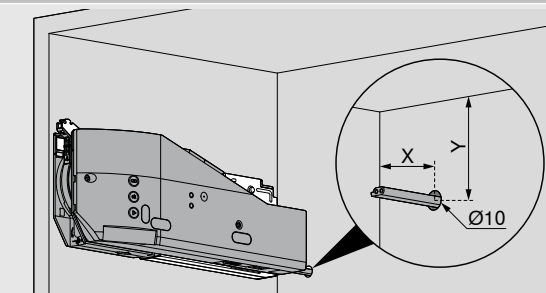
Assembly on the cabinet top panel



- 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



	X (mm)	Y (mm)
AVENTOS HS top	38.5	45



Find more information on assembly and adjustment of SERVO-DRIVE for AVENTOS top at www.blum.com/servodrive-aventos-assembly

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TD-1444/4 EN / 04.26