AVENTOS HS top

Technical data sheet

blum®

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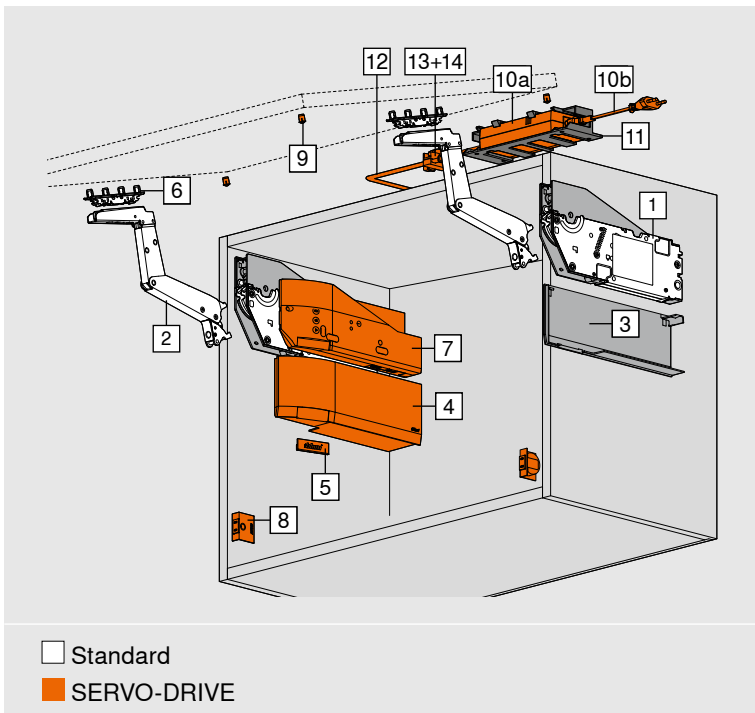
- Ideal for large, one-part fronts
- Cabinet height 350-800 mm
- Cabinet width up to 1800 mm
- Internal depth of at least 264 mm
- Integrated BLUMOTION setting
- SERVO-DRIVE electrical motion support system
- Light operating forces
- Variable stop
- Standardised position of the lift mechanism and front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

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 □■ **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	22S2211
480−660	2.75−15.25	22S2511
650−800	3.50−18.50	22S2811

KH   Cabinet height

FG   Front weight including double handle weight

Symmetrical lift mechanism

Incl. pre-mounted system screws

1 □■ **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	22S2201
480−660	2.75−15.25	22S2501
650−800	3.50−18.50	22S2801

KH   Cabinet height

FG   Front weight including double handle weight

Symmetrical lift mechanism

Incl. positioning system

Ordering information

2		Lever arm		
		Colour	**Material**	**2 x**
		NI	Steel	**22S3501**

Symmetrical lever arm

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

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

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

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		
		Version	**Fixing method**	**2x**
		Wooden fronts and wide aluminium frames	Screw-on [1]	**20S4201**
			EXPANDO	**20S42E1**
			Knock-in	**20S4231**

[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		
		Version	**Fixing method**	**2x**
		Narrow aluminium frames	Screw-on [2]	**20S4201A**

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

6		Front fixing bracket		
		Version	**Fixing method**	**2x**
		Thin fronts	EXPANDO T	**20S42T1**

7		Drive unit		
		Colour	**Material**	
		TGR	Nylon	**23.A001**

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		
		Colour	**Material**	**2 x**
		SW, HGR, TGR	Nylon	**23P5020**

Incl. battery

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

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

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	23P5216

For attaching the SERVO-DRIVE switch to the cabinet side without milling

Markets and language packages

Name			
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
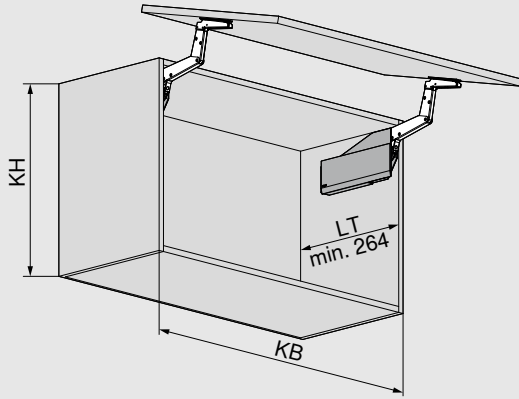
KB	Cabinet width
KH	Cabinet height
LT	Internal cabinet depth

Narrow aluminium frames
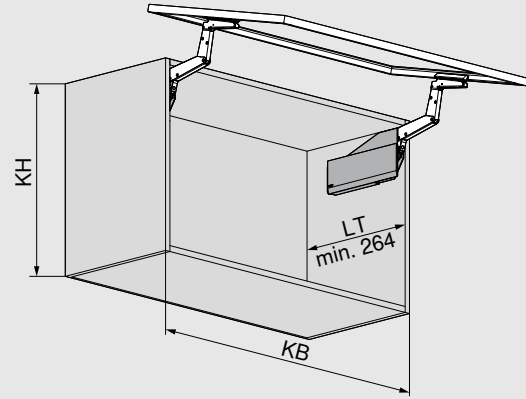
KB	Cabinet width
KH	Cabinet height
LT	Internal cabinet depth

Drilling position

System screws

SERVO-DRIVE

Ø 10

min 11.5　Ø5
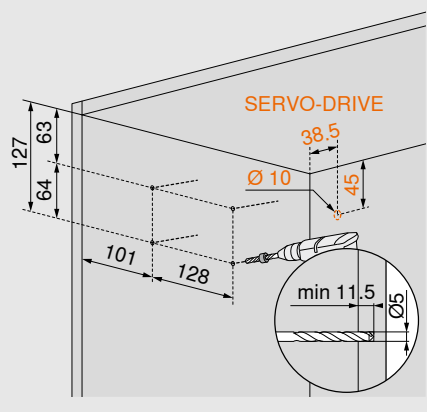
Chipboard screws incl. positioning system

SERVO-DRIVE

Ø 10

Space requirement

SERVO DRIVE
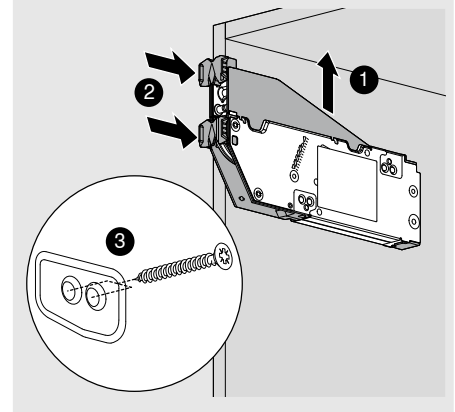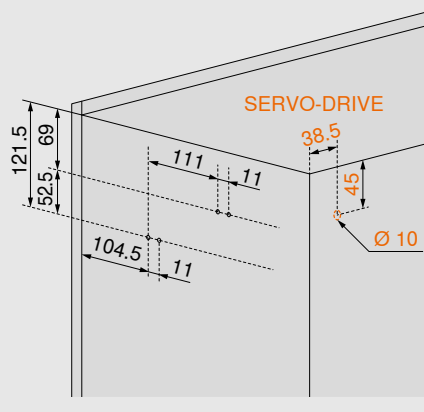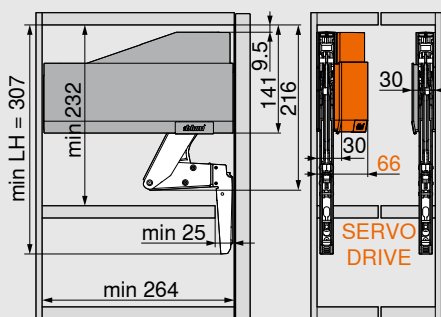
LH　Internal cabinet height

Front setting
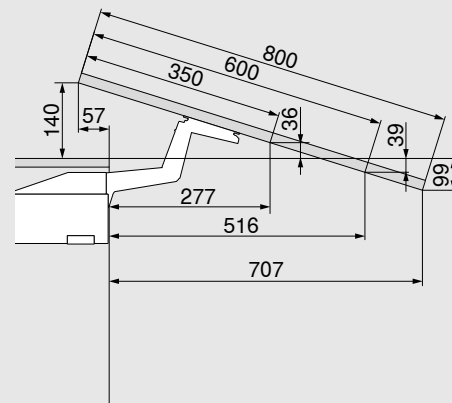
Dimensions depend on tilt adjustment

Planning

Front assembly

Wooden fronts and wide aluminium frames
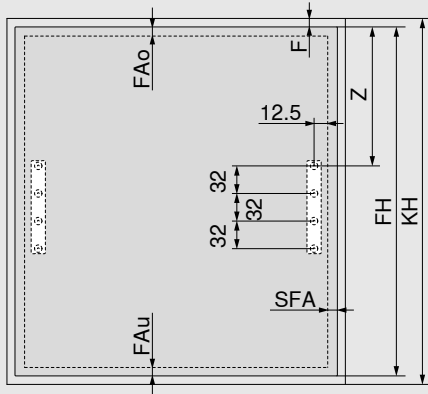
FAo	Upper front overlay
FAu	Bottom front overlay
F	Gap
Z	195 + FAo
FH	Front height
KH	Cabinet height
SFA	Side front overlay

Wall application: minimum 5 mm gap

Narrow aluminium frames
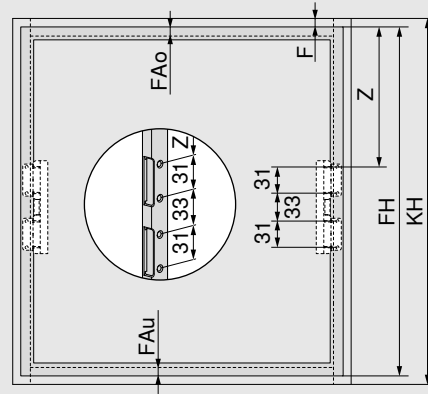
FAo	Upper front overlay
FAu	Bottom front overlay
F	Gap
Z	195.5 + FAo
FH	Front height
KH	Cabinet height

Wall application: minimum 5 mm gap

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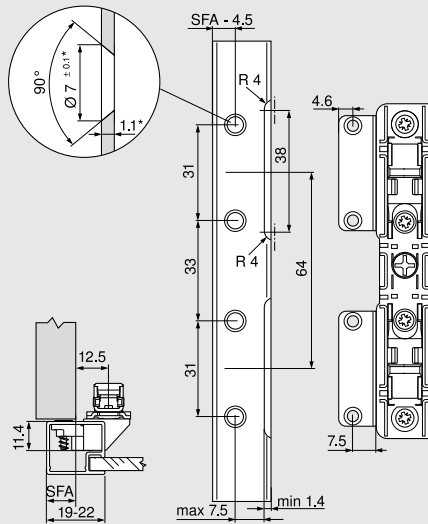
For frame width 19 mm, an SFA of 11-18 mm is possible.

* When changing material thickness, adjust the assembly dimensions accordingly

SFA   Side front overlay

Space requirement – cornice | crown moulding
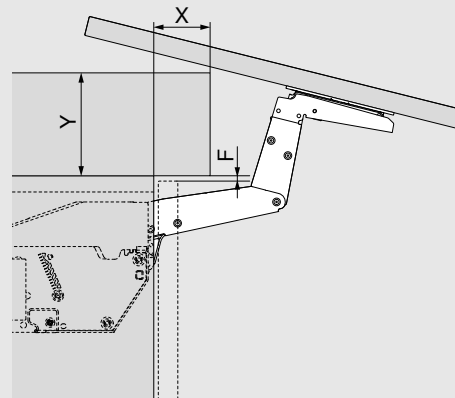
F (mm)	3.0	2.0	1.5
X max. (mm)	31	29	27
Y max. (mm)	117	118	119

F Gap
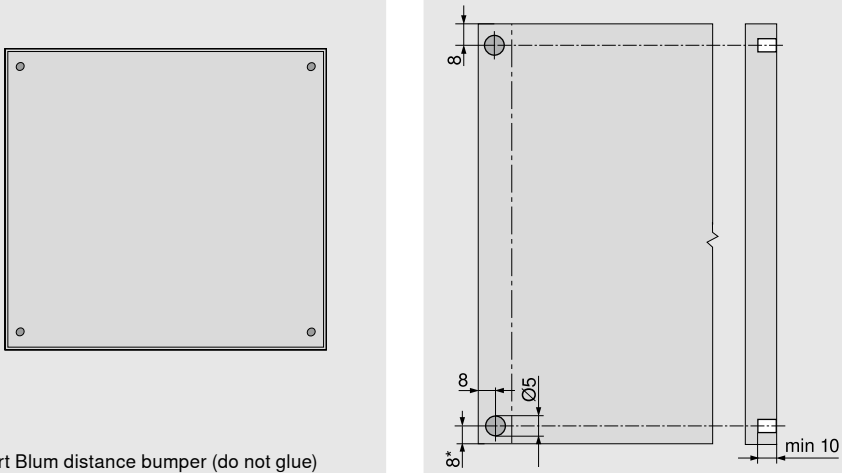
Find more information on assembly
and adjustment of AVENTOS HS top at

www.blum.com/hstopassembly

SERVO-DRIVE for AVENTOS HS top

Planning

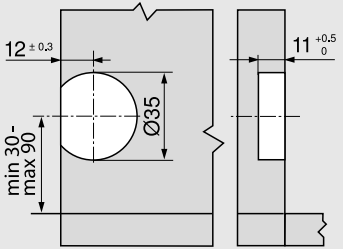| Blum distance bumper (SERVO-DRIVE application only) |
| --- |

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
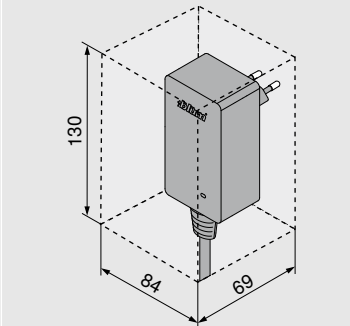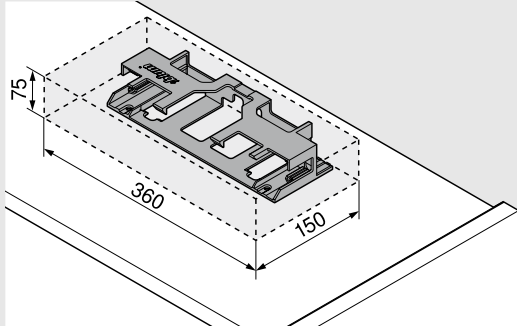
SERVO-DRIVE switch

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

www.blum.com/eaapp
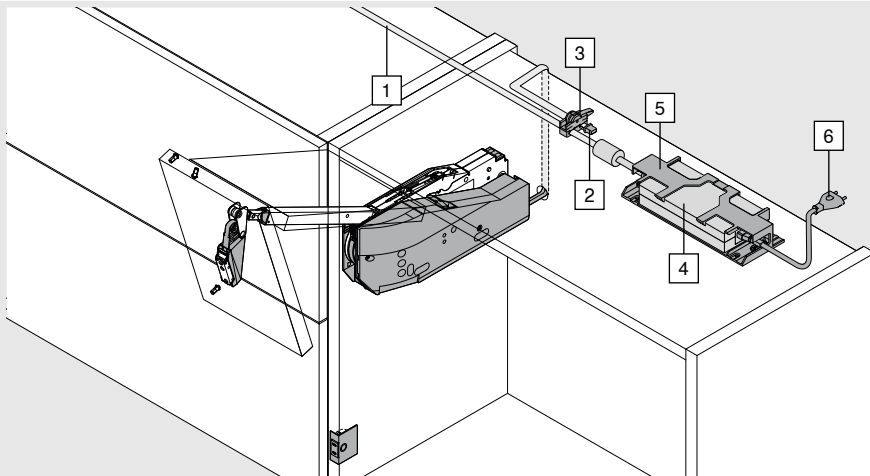
SERVO-DRIVE power supply unit and accessories

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.
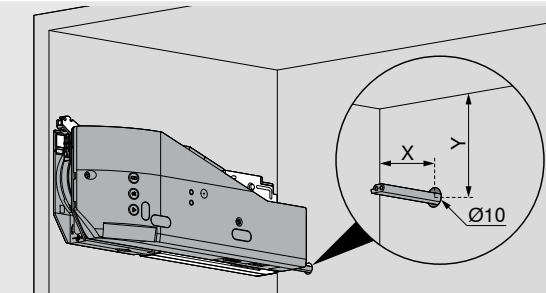
Assembly on the cabinet top panel

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

Our sites in Austria, Poland and China are certified to the international standards mentioned below.
Our site in the USA is certified to ISO 9001.
Our site in Brazil is certified to ISO 9001, ISO 14001 and ISO 45001.

ISO 9001
Certified Quality
System

ISO 14001
Certified Environmental
System

ISO 50001
Certified Energy
System

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