

AVENTOS

An inspiring range of lift systems







Ease of motion —

multitude of Options

The AVENTOS lift system brings ease of motion to the wall cabinet. Even large and heavy lift systems can be opened with the utmost ease. What makes AVENTOS especially practical is that it offers the furniture user full freedom of movement and provides the necessary cabinet access at all times. Your customers will be inspired.

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The lift system programme

They fold, lift and swing up and over with fasincating ease

AVENTOS is the ideal solution for any wall cabinet. Whether it is used in the kitchen or living area, whether there is lots of space available or only a little and whether it is used with small or large fronts, one thing never changes: the supreme ease of motion. Thanks to integrated BLUMOTION, lift systems always close silently and effortlessly. Combined with SERVO-DRIVE, lift systems will open with a light touch and close automatically with a press of a button.

In addition to their proven stability and elegant design AVENTOS lift systems offer a complete solution for all round high level movement.







Bi-fold lift system AVENTOS HF

- Ideal for high wall cabinets
- Handle is easy to reach, even when the lift system is open
- Takes up mimimal space even with large cabinet heights, thanks to the two-part front
- Can be used with fronts of different heights
- Variable stop

Up & over lift system AVENTOS HS

- Ideal for large, one-part fronts
- Minimal space required thanks to swivel motion
- Can be combined with cornice or crown moulding
- No hinges required
- Variable stop

Lift up

AVENTOS HL

- Ideal for tall or wall cabinets with fronts above or for recessed cabinets.
- Suitable for smaller, one-piece and even low fronts
- Easy access to storage items
- No hinges required
- Variable stop





Stay lift

AVENTOS HK

- Ideal for small and medium wall cabinets
- The space requirement above cabinet is low thanks to the lift system motion
- No hinges required
- Variable stop

Small stay lift

AVENTOS HK-S

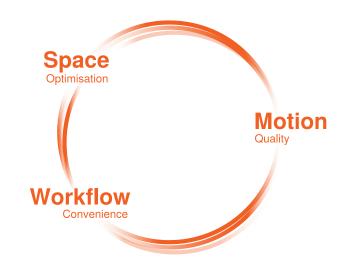
- Perfect for small cabinets,e.g. over refrigerators or larder units
- Harmonious proportions
- No hinges required
- Variable stop

DYNAMIC SPACE



DYNAMIC SPACE – Ideas from Blum for practical kitchens

Good workflows, enough storage space and top quality motion. For Blum, workflow, space and motion are the three essential features of a practical kitchen. With DYNAMIC SPACE, we offer helpful ideas, suggestions and solutions so that today's kitchens don't just look great, but are practical as well.





Workflow - Easy access

With AVENTOS, the front moves up, taking it right away from the work area. This makes the cabinet contents easy to access at all times. If the cabinet is placed near the dishwasher, clean glasses can be put back in their rightful place at lightning speed.



Space – Fits in with storage space requirements

Wall cabinets with lift systems are flexible with regard to size. The optimum size depends on your room layout, your individual storage space requirements and your aesthetic preferences.

Depending on the lift system type, heights of approx. 185 mm to 1040 mm are possible, coupled with widths ranging from 300 mm to 1800 mm.



Motion – New effortlessness for lift systems

Even heavy and wide fronts have a feather-light glide. Regardless of the force applied, all AVENTOS lift systems always close silently and effortlessly – thanks to BLUMOTION.

With SERVO-DRIVE, the electrical motion support system, lift systems open with just a light touch and close at the touch of an easily accessible switch.

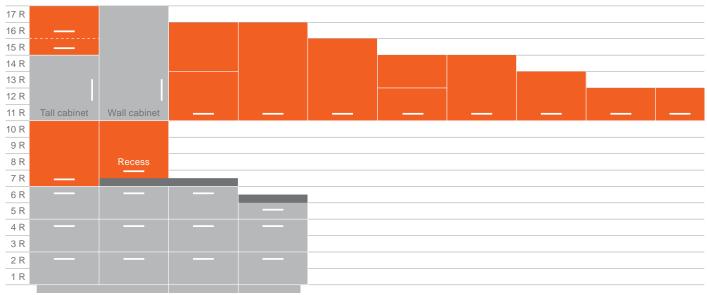


The lift system programme

Everything at a glance

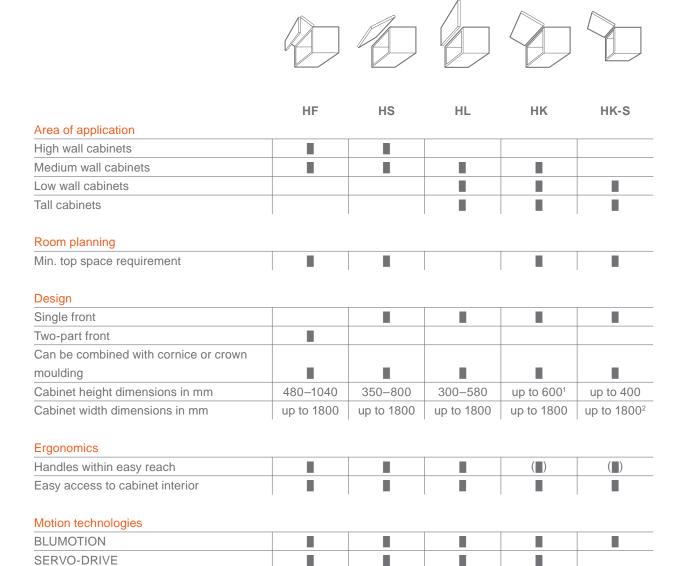
The graphic below shows how the five fittings from the AVENTOS range can be used in a common kitchen system.

AVENTOS HL AVENTOS HL AVENTOS HF AVENTOS HS AVENTOS HS AVENTOS HS AVENTOS HS AVENTOS HK AVENTOS HK AVENTOS HK AVENTOS HK AVENTOS HK-S AVENTOS HK AVENTOS HK AVENTOS HK



R System*

^{*} AVENTOS is flexible enough to be used in wall cabinets using 4-tier systems in addition to the 6-tier system shown above.





TIP-ON

For ergonomic reasons, we recommend a maximum cabinet height of 600 mm. However, higher lift systems can also be implemented subject to the power factor limits (see page 54).

² Depending on the power factor

³ Cannot be combined with BLUMOTION

Fascinating ease of motion for lift systems

With its innovative motion technologies, Blum not only makes opening and closing lift systems easier – it turns the process into an experience.

BLUMOTION inside

BLUMOTION

Soft and effortless closing

BLUMOTION is synonymous with fascinating quality of motion. Allow your customers to see for themselves – they will be inspired

Compatible with

SERVO-DRIVE inside

SERVO-DRIVE

Unsurpassed ease of use

A single touch suffices and the lift system opens as if by magic. To close, simply press the easy-to-access switch on the inside of the cabinet.

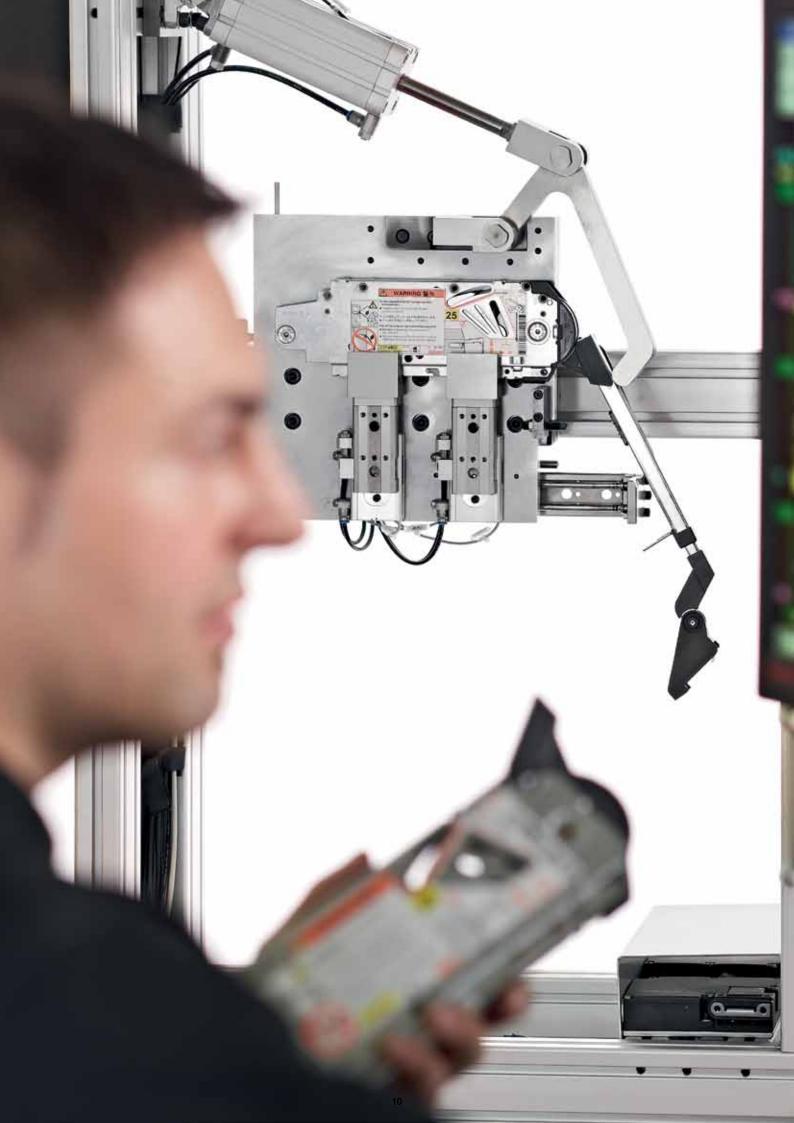


TIP-ON

Simply press the lift system and it opens

TIP-ON for AVENTOS HK our mechanical opening support system, now makes handle-less fronts easy and comfortable to open.





Reliability – a furniture lifetime





We want our fitting solutions to provide your customers with many years of enjoyment and satisfaction.

That is why we focus on ensuring the highest quality:

Precision testing

Each fitting is tested extensively according to strict criteria. Testing is carried out at our own test labs as well as in conjunction with international testing organisations. An AVENTOS lift system goes through the opening and closing process up to 80,000 times which is double the industry requirement – only then are we satisfied in terms of our quality.

Long warranty

Our promise to provide "quality a furniture lifetime" naturally applies to AVENTOS as well. We are so confident of this that we also offer you a full 5-year warranty in respect of all the electrical components e.g. SERVO-DRIVE when used in combination with Blum products.

Meticulous selection and processes

High-quality robust materials. Exact assembly. Fast and simple assembly. From the choice of material right through to construction and start-up, we insist on consistently high levels of quality.







Just a few simple steps are required



FAQs



AVENTOS

Why is it that the lift system rises or falls when you let go?

This occours when the lift mechanism has not been set correctly. The fine adjustment process involves using a power screwdriver and the integral calibration to adjust the lift mechanism in precise accordance with the front weight. The result: The front stays in the position required.

Is it also possible to use opening angle stops?

Yes, it is possible for AVENTOS HF, HK and HK-S. In the case of SERVO-DRIVE for AVENTOS, the drive unit must be mounted first and once the opening angle stop has been subsequently mounted, a reference run must be performed.

Can the AVENTOS concept be implemented without using handles?

Yes, you can equip the lift system with SERVO-DRIVE (an electrical motion support system) or TIP-ON (a mechanical opening support system). A single touch suffices and the lift systems appear to open by themselves.

SERVO-DRIVE for AVENTOS

Is it possible to synchronise multiple lift systems?

Yes. Up to three drive units can be set so that they move simultaneously. This is especially practical in cases where there is a shared front covering several cabinets. In addition, the "collision avoidance" function for corner solutions allows you to adjust the drive units so that only one front ever opens at a time.

What does my customer see when the wireless switch battery has to be replaced?

The SERVO-DRIVE switch contains a battery display. It flashes red when the battery power begins to weaken. Battery replacement is very simple. All you need is a conventional button cell battery (type CR 2032).

What happens when the power goes out?

When there is a power cut SERVO-DRIVE for AVENTOS is not activated. However, you can continue to open and close manually without restrictions.

Once the power has been restored, you can carry on using everything as normal without having to reset the SERVO-DRIVE unit.

Can SERVO-DRIVE for AVENTOS be deactivated?

Your customers can deactivate SERVO-DRIVE for AVENTOS very easily. This is especially practical when cleaning the fronts, for example. We recommend a switched outlet for this. While deactivated, the lift systems can continue to be opened and closed manually.



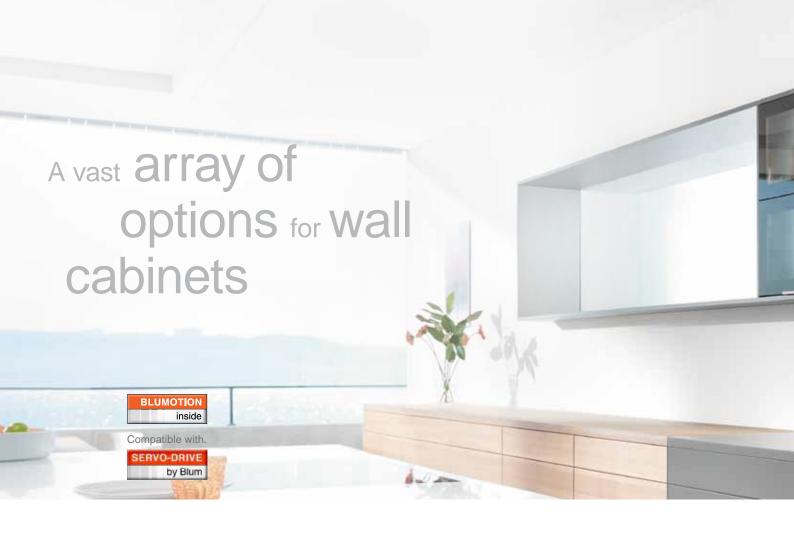


Award-winning design



AVENTOS HF



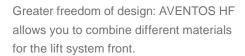


The AVENTOS HF bi-fold lift system is the ideal solution for high and mid wall units. Thanks to the two-part front, even high cabinets can be accommodated. With AVENTOS HF, there is no limit to the variety of planning and design options available. Whether your customers want wooden fronts, narrow or wide aluminium frames, combinations of different materials or even fronts of different heights, you will always be able to meet their individual requirements. Handle-less fronts can be opened using SERVO-DRIVE technology.









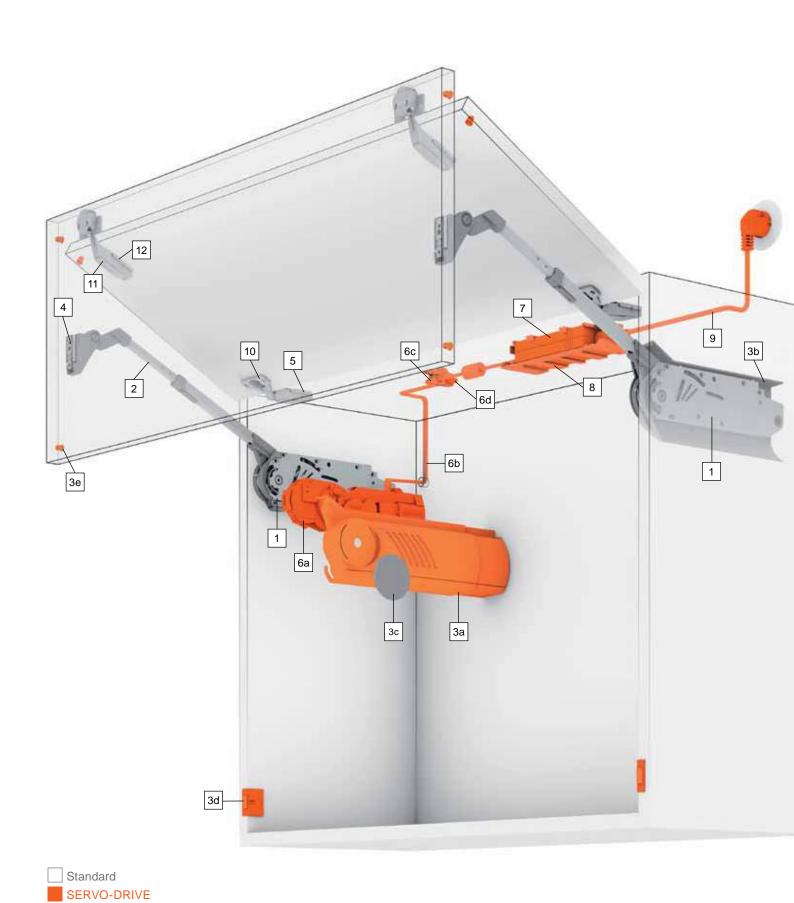


Innovative technology that offers protection: The CLIP top centre hinge prevents fingers getting caught.



At the heart of this fitting solution is the lift mechanism with BLUMOTION and a robust spring package.

AVENTOS HF



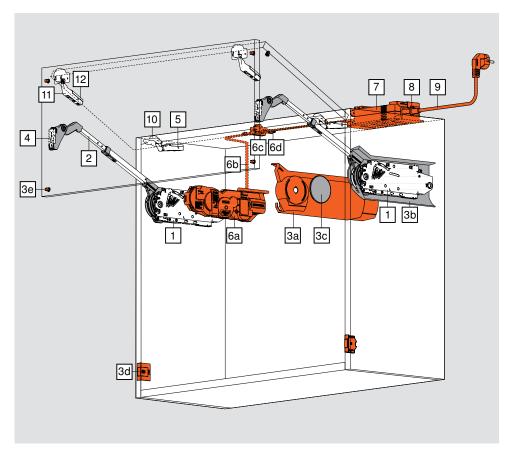


1	Lift mechanism		6a	Drive unit The drive unit is attached without tools to the left lift mechanism. The same drive
2	Telescopic arm			unit can be used for all lift mechanisms.
3a	Cover cap, left The left SERVO-DRIVE cover cap is used to cover the lift mechanism, drive unit and distribution cable. To cover the cabling, the cover cap can be expanded up to an internal depth of 350 mm.		6b	Distribution cable This cable is used to supply power to the drive unit. The maximum permitted operating power is 24 V.
3b	Cover cap right		6c 6d	Connecting node + cable end protector This node establishes the electrical connection between the distribution
3c	Cover cap round			cable and the transformer. The cable end protector is inserted into the "open" end of the cable.
3d	SERVO-DRIVE switch The SERVO-DRIVE switch is attached to the cabinet side at the bottom. The switch signals the drive unit via a wireless connection. The 2.4 GHz frequency is certified for international use.		9	Blum transformer + flex The Blum transformer can be used worldwide. It converts the country- specific mains voltage to 24 V direct current. You must use a flex with a regular plug for the respective country depending on the installation location.
3e	Blum distance bumper The Blum distance bumper creates and maintains the required trigger path of 2 mm.	۰	8	Transformer unit housing The transformer is easily and securely stored in the transformer unit housing.
4	Mounting plate for telescopic arm		10	CLIP top 120° hinge (unsprung)
5 12	Mounting plate for CLIP top 120° hinge CLIP top centre hinge		11	CLIP top centre hinge



Order information Standard and SERVO-DRIVE for AVENTOS HF

Wooden fronts and wide aluminium frames symmetrical/asymmetrical



3 types of lift mechanisms are enough to cover a wide range of applications.

Using the power factor, you can calculate the number of required lift mechanisms. The power factor required depends on the weight of the lower and upper front and the cabinet height. The power factor and the door weight can be increased by 50% when a third lift mechanism is used.

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

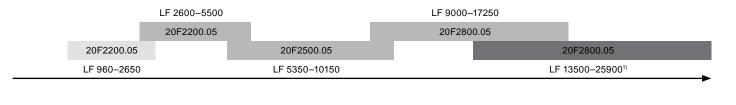
LF Power factor

Standard

SERVO-DRIVE

Power factor LF = cabinet height KH (mm) x front weight bottom and top incl. handle (kg)

Lift mechanism two-sided



A trial application is recommended when you are in a borderline area of the individual lift mechanism.

Lift mechanism one-sided

1	Lift mechanism set	
Province of the second	Power factor LF	
	2600-5500 (1 piece LF 960-2650)	20F2200.05
	5350-10150	20F2500.05
	9000-17250 (3 pieces LF 13500-25900)	20F2800.05
	Composed of:	
	2 x symmetrical lift mechanisms	
	10 x chipboard screws Ø 4 x 35 mm	

	2	Telescopic arm set	
5 		Nickel plated steel	
-		Cabinet height ²⁾ 480-570 mm	20F3200.01
		Cabinet height ²⁾ 560-710 mm	20F3500.01
		Cabinet height ²⁾ 700-900 mm	20F3800.01
		Cabinet height ²⁾ 760-1040 mm	20F3900.01
		Composed of:	
		2 x symmetrical telescopic arms	
		²⁾ "Theoretical cabinet height" for asymmetric = front height top (FHO) x 2 (incl. gaps)	cal fronts

Additional 3rd lift mechanism lift mechanism

¹⁾ We recommend two synchronised drive units for a power factor > 17250.



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3	Cover cap set for SERVO-DRIVE	
	Nylon	
	light grey, silk white,	
		21F8000
	Composed of:	
3a	1 x SERVO-DRIVE cover cap large left	
3b	1 x cover cap large right	
3c	2 x round cover caps	
3d	2 x SERVO-DRIVE switches	
3e	6 x Blum distance bumpers, Ø 5 mm	

6	SERVO-DRIVE set	
	Nylon	
	RAL 7037 dust grey	21FA000
Ť	Composed of:	
6a	1 x drive unit	
6b	1 x distribution cable, 1500 mm	
6c	1 x connecting node	
6d	2 x cable end protectors	

	Opening angle stop		
•	Nylon		
	104° Dark grey	2 x	20F7051
	83° Dust grey	2 x	20F7011

	Hinge set		
	for wooden fronts		
	Fixing method: INSERTA/EXPANDO/knock in	78Z5530T10	
The Day	Comprising of:		
10	2 x CLIP top 120° hinge o. F. ³⁾ (70T5590BTL)		
11	2 x CLIP top centre hinge (78Z5530T)		
4, 5, 12	6 x Horizontal cam mounting plate (177H510	0)	
12	2 x Cruciform mounting plate (174E6100.01)		
	³⁾ o. F. = unsprung		

	Hinge set
	for wooden fronts and wide alu frames
DECISION TO THE PARTY.	Fixing method: Screw-on ⁴⁾
	78Z5500T11
	Comprising of:
10	2 x CLIP top 120° hinge o. F.3) (70T5550.TL)
11	2 x CLIP top centre hinge (78Z5500T)
4, 5, 12	6 x Horizontal cam mounting plate (175H5400)
12	2 x Cruciform cam mounting plate (173H7100)
	³⁾ o. F. = unsprung
	⁴⁾ Use chipboard screws (609.1x00) for wooden fronts. Use self tapping screw, countersunk head (660.0950) for wide alu frames.

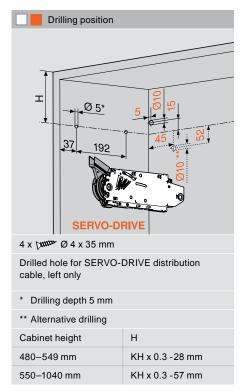
Bit PZ cross slot	
Size 2, length 39 mm	
	BIT-PZ KS2

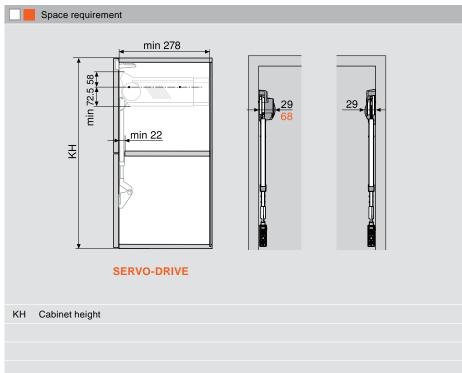
7, 8, 9	Blum transformer, flex and transformer unit housing		
		Page	74

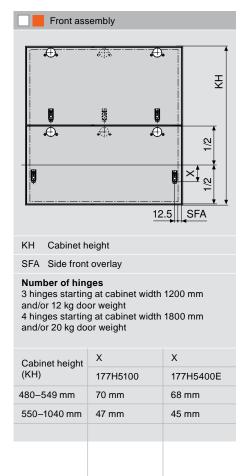


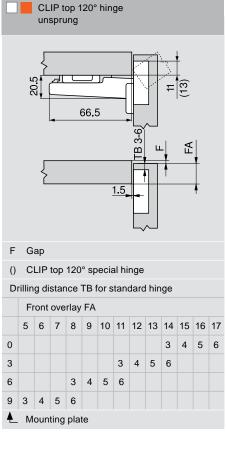
Planning information Standard and SERVO-DRIVE for AVENTOS HF

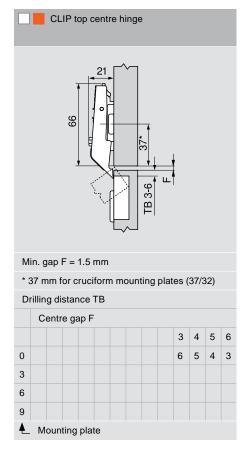
Wooden fronts and wide aluminium frames symmetrical



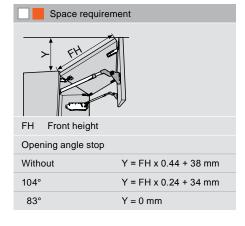


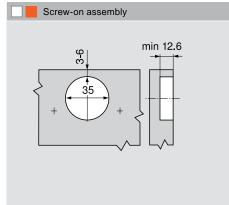


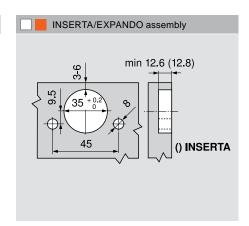


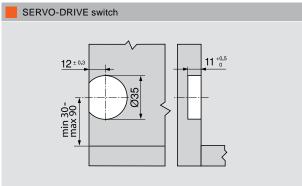


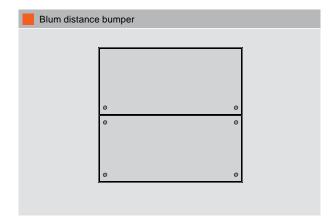


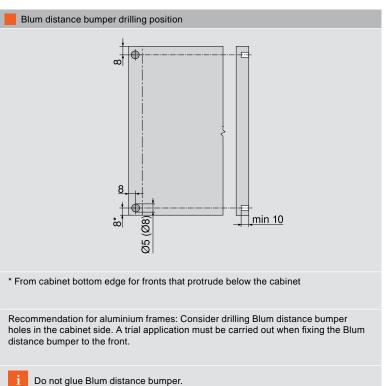










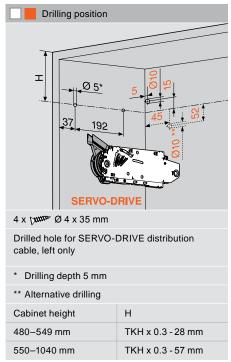


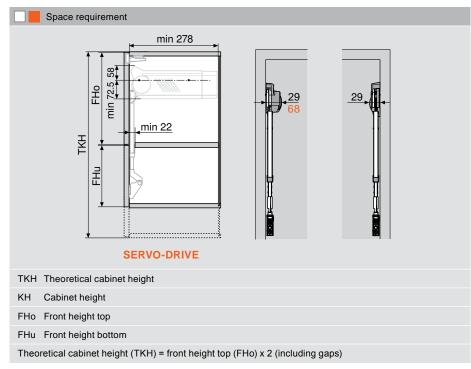
☐ Standard
■ SERVO-DRIVE

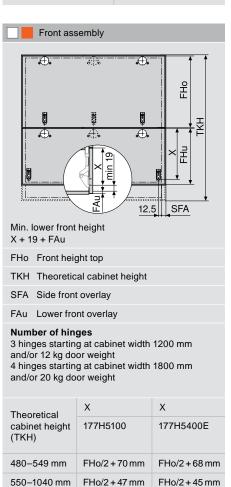
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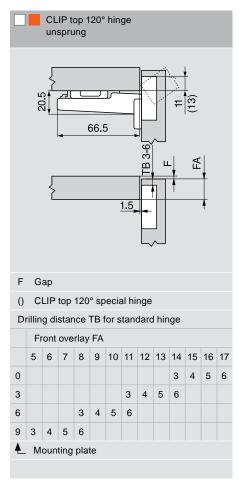
Planning information Standard and SERVO-DRIVE for AVENTOS HF

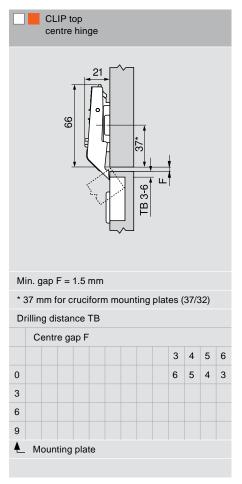
Wooden fronts and wide aluminium frames asymmetrical



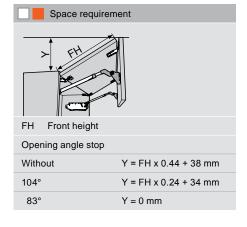


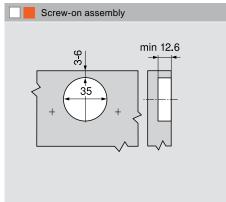


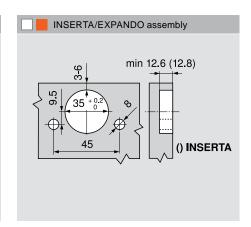


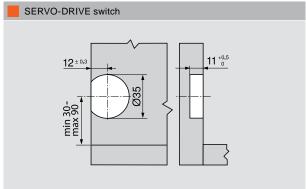


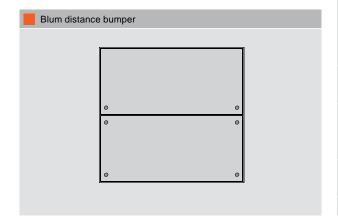


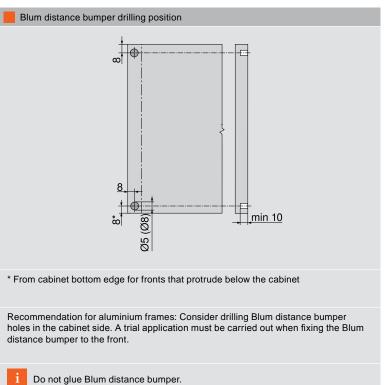










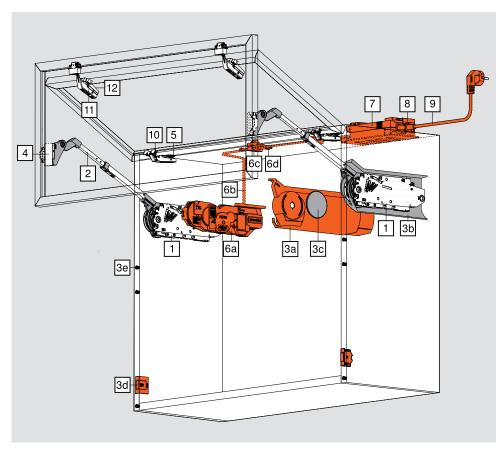


□ Standard
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SERVO-DRIVE

Order information Standard and SERVO-DRIVE for AVENTOS HF

Narrow aluminium frames symmetrical/asymmetrical



3 types of lift mechanisms are enough to cover a wide range of applications.

Using the power factor, you can calculate the number of required lift mechanisms. The power factor required depends on the weight of the lower and upper front and the cabinet height.

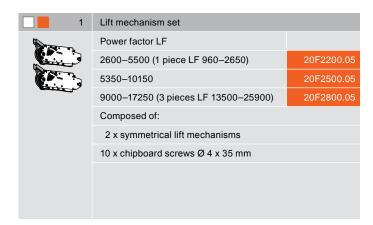
The larger front must be at the top for asymmetrical fronts.

☐ Standard
■ SERVO-DRIVE

Power factor LF = cabinet height KH (mm) x front weight bottom and top incl. handle (kg)



A trial application is recommended when you are in a borderline area of the individual lift mechanism.



2	Telescopic arm set		
	Nickel plated steel		
	Cabinet height ²⁾ 480-570 mm	20F3200.01	
	Cabinet height ²⁾ 560-710 mm	20F3500.01	
	Cabinet height ²⁾ 700-900 mm	20F3800.01	
	Cabinet height ²⁾ 760–1040 mm	20F3900.01	
	Composed of:		
	2 x symmetrical telescopic arms		
	²⁾ "Theoretical cabinet height" for asymmetric = front height top (FHO) x 2 (incl. gaps)	cal fronts	



	3	Cover cap set	
~ 0	0,	Nylon	
	• O,	light grey, silk white,	
~~			20F8000
		Composed of:	
3a		1 x cover cap large left	
3b		1 x cover cap large right	
3c		2 x round cover caps	

6	SERVO-DRIVE set	
	Nylon	
300	RAL 7037 dust grey	21FA000
	Composed of:	
6a	1 x drive unit	
6b	1 x distribution cable, 1500 mm	
6c	1 x connecting node	
6d	2 x cable end protectors	

3	Cover cap set for SERVO-DRIVE	
	Nylon	
	light grey, silk white,	
		21F8000
	Composed of:	
3a	1 x SERVO-DRIVE cover cap large left	
3b	1 x cover cap large right	
3c	2 x round cover caps	
3d	2 x SERVO-DRIVE switches	
3e	6 x Blum distance bumpers, Ø 5 mm	

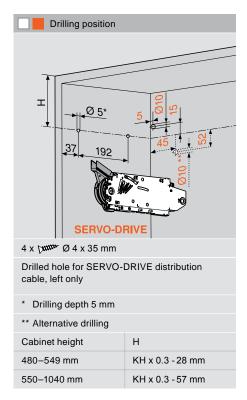
	Hinge set		
	for narrow alu frames		
	Fixing method: screw-on		
		78Z5500T11	
	Comprising of:		
10	2 x CLIP top 120° alu frame hinge o. F.2) (72T550A.TL)		
11	2 x CLIP top alu frame centre hinge (78Z550AT)		
12	2 x CLIP adapter plate symmetrical (175H5A00)		
4	2 x CLIP adapter plate left/right (175H5B00)		
5	2 x Horizontal cam mounting plate (175H5400)		
	²⁾ o. F. = unsprung		

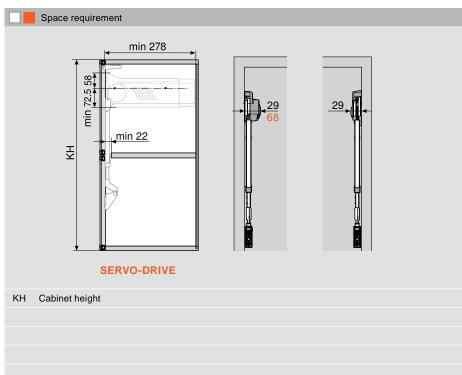
	Bit PZ cross slot	
-	Size 2, length 39 mm	
		BIT-PZ KS2

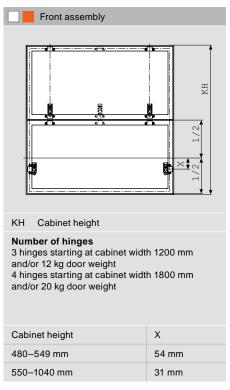
7, 8, 9	Blum transformer, flex and transformer unit housing		
		Side	74

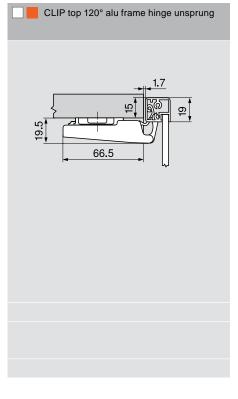
Planning information Standard and SERVO-DRIVE for AVENTOS HF

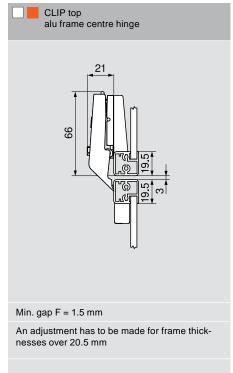
Narrow aluminium frames symmetrical





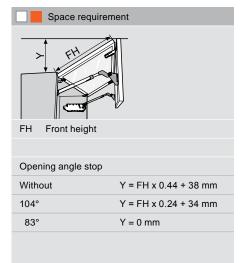


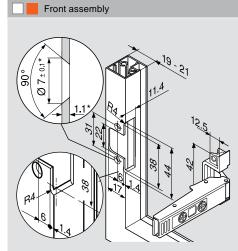




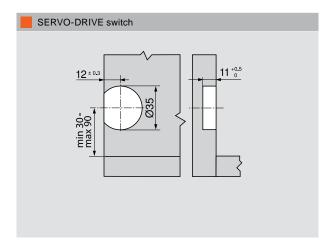


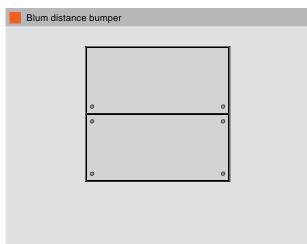






* When changing material thickness, adjust the assembly dimensions accordingly





Blum distance bumper drilling position

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min 10

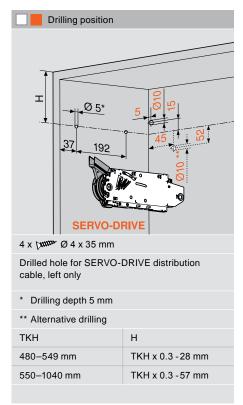
* From cabinet bottom edge for fronts that protrude below the cabinet

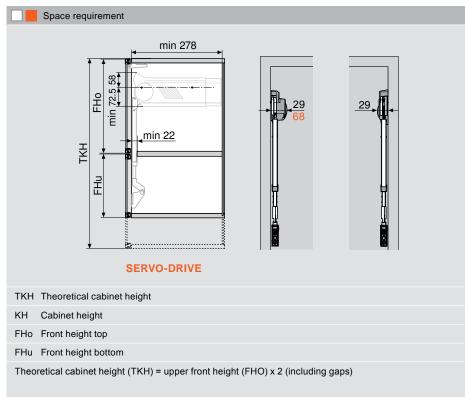
Recommendation for aluminium frames: Consider drilling Blum distance bumper holes in the cabinet side. A trial application must be carried out when fixing the Blum distance bumper to the front.

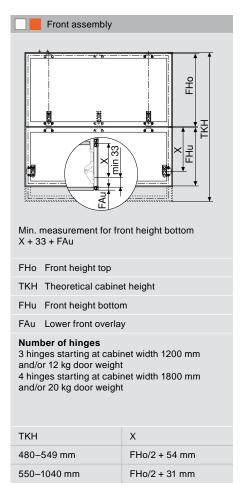
Do not glue Blum distance bumper.

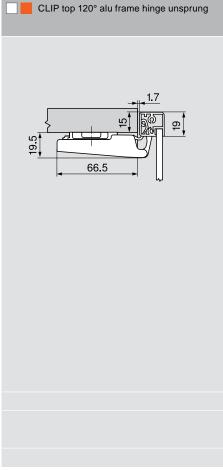
Planning information Standard and SERVO-DRIVE for AVENTOS HF

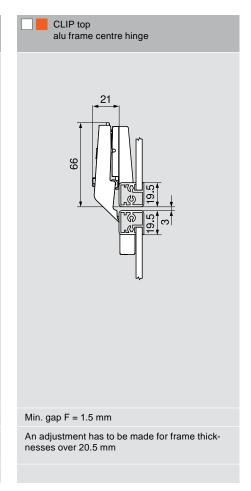
Narrow aluminium frames asymmetrical



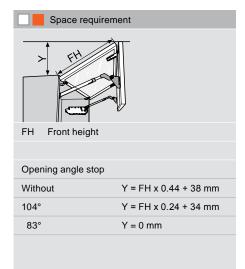


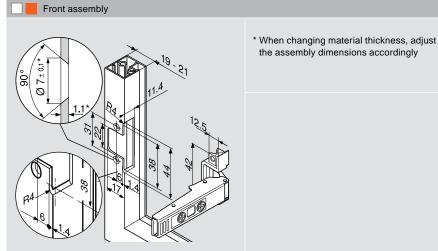


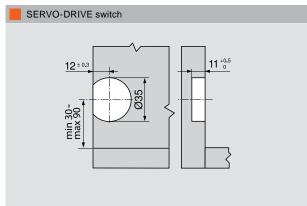


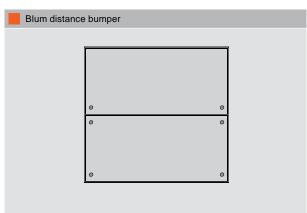


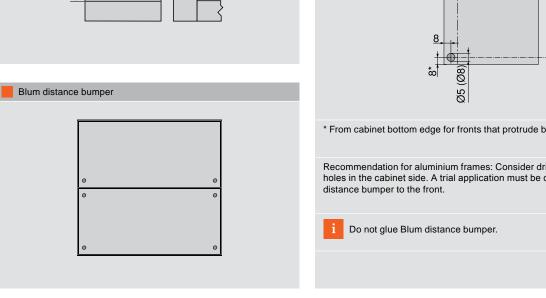












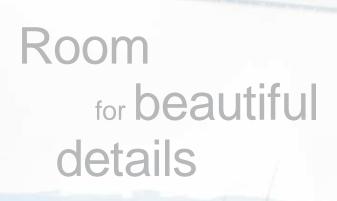
Blum distance bumper drilling position min 10 * From cabinet bottom edge for fronts that protrude below the cabinet Recommendation for aluminium frames: Consider drilling Blum distance bumper holes in the cabinet side. A trial application must be carried out when fixing the Blum distance bumper to the front.

Standard SERVO-DRIVE

Ablum

AVENTOS HS







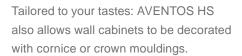
With the lift system fitting for AVENTOS HS, even large, one-part fronts appear to defy gravity by swinging up effortlessly. There is still enough space over the cabinet for a host of design options, such as beautiful details in the form of cornice or crown mouldings. As you would expect, this product is just as easy to assemble as the others and the process is almost entirely tool-free. Handle-less fronts can be opened using SERVO-DRIVE technology and without any need for hinges.



Watch video of the assembly and adjustment processes





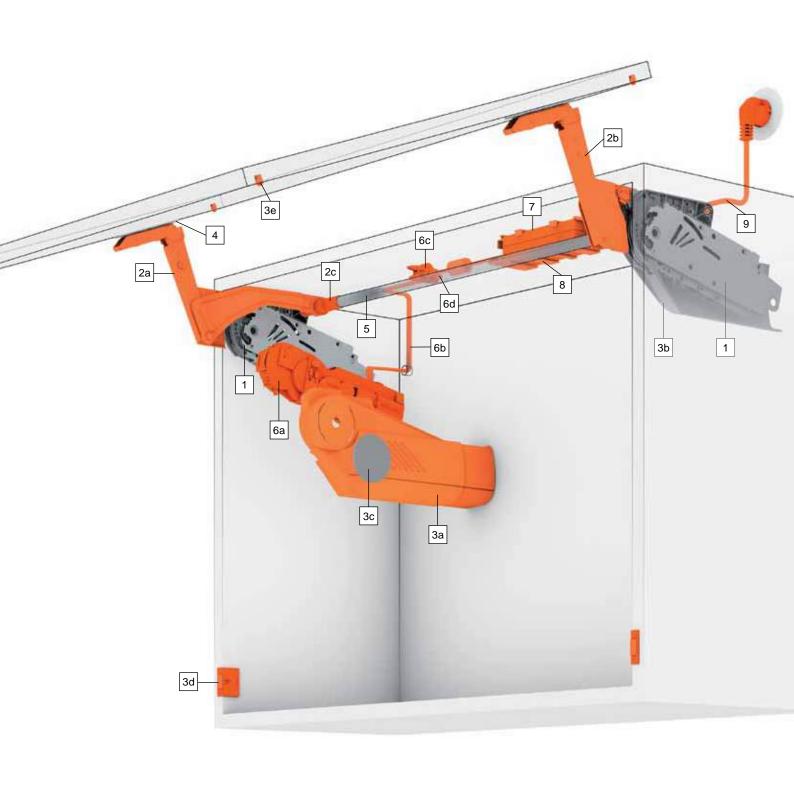




At the heart of this fitting solution is the lift mechanism with BLUMOTION and a robust spring package.

AVENTOS HS

☐ Standard SERVO-DRIVE

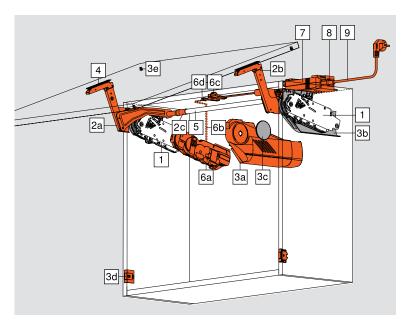




	1	Lift mechanism		4	Front fixing bracket
	2a 2b	Lever arm		5	Cross stabiliser rod round
	2c	Cross stabiliser cover cap		6a	Drive unit The drive unit is attached without tools to the left lift mechanism. The same drive
	3a	Cover cap, left The left SERVO-DRIVE cover cap is used to cover the lift mechanism, drive unit and distribution cable. To cover the cabling, the cover cap can be expanded up to an internal depth of 350 mm.		6b	Distribution cable This cable is used to supply power to the drive unit. The maximum permitted operating power is 24 V.
	3b	Cover cap right Cover cap round		6c 6d	Connecting node + cable end protector This node establishes the electrical connection between the distribution
	3d	SERVO-DRIVE switch The SERVO-DRIVE switch is attached to the cabinet side at the			cable and the transformer. The cable end protector is inserted into the "open" end of the cable.
		bottom. The switch signals the drive unit via a wireless connection. The 2.4 GHz frequency is certified for international use.	•	7	Blum transformer + flex The Blum transformer can be used worldwide. It converts the country-specific mains voltage to 24 V direct current. You must use a flex with a regular plug for the respective country
ľ	3e	Blum distance bumper The Blum distance bumper creates and maintains the required trigger path of 2 mm.		8	Transformer unit housing The transformer is easily and securely stored in the transformer unit housing.



Order information Standard and SERVO-DRIVE for AVENTOS HS



1 Lift mecha	ınism set					
1 Lift mechan KH 350–52 KH 526–67 KH 676–80 Composed	25 mm	20S2A00.05	20S2B00.05	20S2C00.05		
KH 526-6	75 mm	20S2D00.05	20S2E00.05	20S2F00.05		
KH 676-8	00 mm	20S2G00.05	20S2H00.05	20\$2100.05		
Compose	Composed of:					
2 x symm	2 x symmetrical lift mechanisms					
10 x chipb	oard screws Ø 4 x 3	35 mm				

2	Lever arm set	
	Steel, nickel plated	
Sp.		20\$3500.06
IJ	Composed of:	
2a	1 x lever arm left	
2b	1 x lever arm right	
2c	2 x cross stabiliser cover caps	

2	Lever arm set for SERVO-DRIVE		
	Steel, nickel plated		
Sp.		21\$3500.01	
U	Includes:		
2a	1 x SERVO-DRIVE lever arm left		
2b	1 x SERVO-DRIVE lever arm right		
2c	2 x cross stabiliser cover caps		

3	Cover cap set	
000	Nylon	
	light grey, silk white	20\$8000
	Composed of:	
2a	1 x cover cap large left	
2b	1 x cover cap large right	
2c	2 x round cover caps	

3	Cover cap set for SERVO-DRIVE	
(O)	Nylon	21\$8000
900	light grey, silk white	
	Composed of:	
3a	1 x SERVO-DRIVE cover cap large	left
3b	1 x cover cap large right	
3c	2 x round cover caps	
3d	2 x SERVO-DRIVE switches	
3e	4 x Blum distance bumpers, Ø 5 mm	า

	4	Front fixing bracket set		
A.		Nickel plated		
	Wooden fronts and wide alu-	20S42E1		
		minium frames ¹⁾		
		Narrow alu frames	20S4200A	
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.				

	5	Cross stabiliser rod round		
		Aluminium, Ø 16 mm		
		For cutting to size, 1061 mm	20Q1061UN	
		Cutting: LW -129 mm		
		SERVO-DRIVE: LW -164 mm		

	Connecting piece set for cross sta		
Our 19	Aluminium, Ø 16 mm		
and s	With LW of 1190 mm and up	20Q153ZN	
•	Cutting for 5: LW / 2 -147 mm		
	SERVO-DRIVE: LW / 2 -165 mm		
	Composed of:		
	1 x connecting piece		
	1 x fixing		
	2 x cross stabiliser cover caps		

6	SERVO-DRIVE set	
	Nylon	
***	RAL 7037 dust grey	21FA000
	Composed of:	
6a	1 x drive unit	
6b	1 x distribution cable, 1500 mm	
6c	1 x connecting node	
6d	2 x cable end protectors	
	We recommend one SERVO-DRIVE drive connected fronts!	e unit per set for

KH

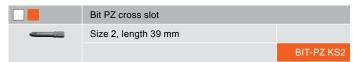
Cabinet height

LW Inner cabinet width

Standard

SERVO-DRIVE





	7, 8, 9	Blum transformer, flex and transformer unit housing		
			Page	74

The cabinet front and door weight is required in order to select the correct lift mechanism.

Example: KH = 600 mm, weight of front = 10 kg Lift mechanism selection = **20S2E00.05**

KH = 602 mm -> 600 mm, KH = 603 mm -> 605 mm

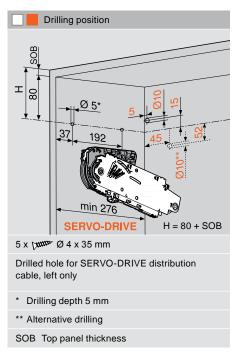
Door weight (kg)

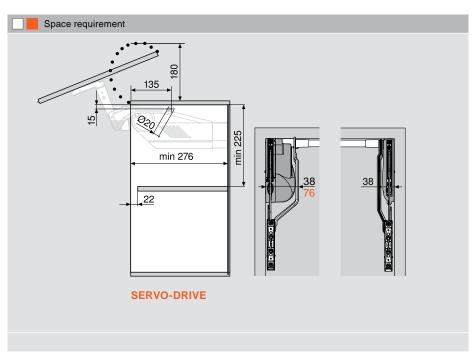
	= === :: ::g:: (!\g)		
KH (mm)	20S2G00.05	20S2H00.05	20\$2100.05
800	4.00-7.00	6.00-12.25	10.50-20.00
795	4.00-7.00	6.00-12.25	10.50-20.00
790	4.00-7.00	6.00-12.25	10.75-20.00
785	4.00-7.00	6.25-12.50	10.75-20.00
780	4.00-7.00	6.25-12.50	10.75-20.25
775	3.75-7.00	6.25-12.50	11.00-20.25
770	3.75-7.00	6.25-12.50	11.00-20.25
765	3.75-7.25	6.50-12.50	11.00-20.25
760	3.75-7.25	6.50-12.75	11.25-20.25
755	3.75-7.25	6.50-12.75	11.25-20.50
750	3.50-7.25	6.50-12.75	11.50-20.50
745	3.50-7.25	6.50-12.75	11.50-20.50
740	3.50-7.25	6.50-12.75	11.75–20.75
735	3.50-7.50	6.50-13.00	11.75-20.75
730	3.50-7.50	6.75-13.00	11.75-21.00
725	3.50-7.50	6.75-13.00	12.00-21.00
720	3.50-7.50	6.75-13.00	12.00-21.25
715	3.50-7.50	6.75-13.00	12.00-21.25
710	3.50-7.75	6.75-13.25	12.25-21.25
705	3.50-7.75	6.75-13.25	12.25-21.50
700	3.50-7.75	6.75-13.25	12.50-21.50
695	3.50-7.75	6.75-13.25	12.50-21.50
690	3.50-7.75	6.75-13.25	12.75-21.50
685	3.50-8.00	7.00–13.25	12.75–21.50
680	3.50-8.00	7.00–13.50	13.00-21.50
676	3.50-8.00	7.00–13.50	13.00–21.50
KH (mm)	20S2D00.05	20S2E00.05	20S2F00.05
675	3.00-5.25	5.00-11.00	09.75-19.00
670	3.00-5.25	5.00-11.00	09.75-19.00
665	3.00-5.25	5.00-11.00	09.75-19.00
660	3.00-5.50	5.25-11.25	10.00-19.00
655	3.00-5.50	5.25-11.25	10.00-19.00
650	3.00-5.50	5.25-11.25	10.00-19.00
645	3.00-5.50	5.25-11.25	10.00-18.75
640	3.00-5.50	5.25-11.25	10.00-18.75
635	3.00-5.50	5.25-11.50	10.25-18.75
630	3.00-5.75	5.50-11.50	10.25-18.75
625	3.00-5.75	5.50-11.50	10.25-18.75

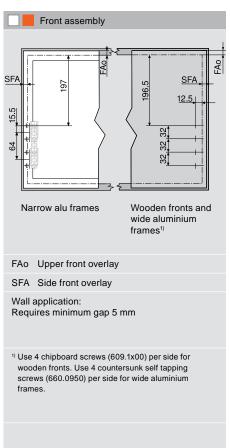
620	3.00-5.75	5.50-11.50	10.25-18.75
615	3.00-5.75	5.50-11.50	10.25-18.75
610	3.00-6.00	5.50-11.75	10.50-18.50
605	3.00-6.00	5.50-11.75	10.50-18.50
600	3.00-6.00	5.50-11.75	10.50-18.50
595	3.00-6.00	5.50-11.75	10.50-18.50
590	3.00-6.00	5.50-12.00	10.75-18.25
585	3.00-6.25	5.75-12.00	10.75-18.25
580	3.00-6.25	5.75-12.00	11.00-18.00
575	3.00-6.25	5.75-12.00	11.00-18.00
570	3.00-6.25	5.75-12.25	11.25-17.75
565	3.00-6.25	5.75-12.25	11.25-17.75
560	3.00-6.50	6.00-12.25	11.25-17.50
555	3.00-6.50	6.00-12.50	11.50-17.50
550	3.00-6.50	6.00-12.50	11.50-17.25
545	3.00-6.50	6.00-12.50	11.50-17.25
540	3.00-6.50	6.00-12.75	11.75-17.00
535	3.00-6.75	6.25-12.75	11.75-16.75
530	3.00-6.75	6.25-12.75	11.75-16.75
526	3.00-6.75	6.25-13.00	12.00-16.50

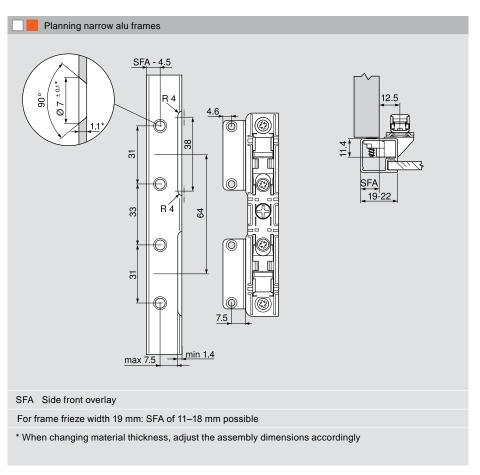
000	3.00 0.73	0.20 12.70	11.75 10.75
530	3.00-6.75	6.25-12.75	11.75-16.75
526	3.00-6.75	6.25-13.00	12.00-16.50
KH (mm)	20S2A00.05	20S2B00.05	20S2C00.05
525	2.50-4.00	3.25-7.50	7.25-15.00
520	2.50-4.00	3.50-7.50	7.25-15.00
515	2.50-4.00	3.50-7.50	7.25-14.75
510	2.50-4.00	3.50-7.75	7.50-14.75
505	2.50-4.00	3.50-7.75	7.50-14.75
500	2.50-4.25	3.50-7.75	7.50-14.75
495	2.50-4.25	3.75-7.75	7.50-14.50
490	2.50-4.25	3.75-8.00	7.75-14.50
485	2.50-4.25	3.75-8.00	7.75-14.25
480	2.50-4.25	3.75-8.00	7.75-14.25
475	2.50-4.25	3.75-8.00	7.75-14.00
470	2.50-4.25	4.00-8.25	8.00-14.00
465	2.25-4.25	4.00-8.25	8.00-13.75
460	2.25-4.25	4.00-8.25	8.00-13.75
455	2.25-4.25	4.00-8.50	8.25-13.50
450	2.25-4.25	4.00-8.50	8.25-13.50
445	2.25-4.50	4.25-8.50	8.25-13.25
440	2.25-4.50	4.25-8.50	8.25-13.00
435	2.25-4.50	4.25-8.75	8.50-13.00
430	2.25-4.50	4.25-8.75	8.50-12.75
425	2.25-4.50	4.25-8.75	8.50-12.75
420	2.25-4.50	4.25-8.75	8.50-12.50
415	2.25-4.50	4.25-8.75	8.50-12.50
410	2.25-4.50	4.25-9.00	8.75-12.25
405	2.25-4.50	4.25-9.00	8.75-12.00
400	2.00-4.75	4.25-9.00	8.75–12.00
395	2.00-4.75	4.50-9.00	8.75–11.75
390	2.00-4.75	4.50-9.00	8.75–11.50
385	2.00-4.75	4.50-9.25	9.00-11.50
380	2.00-4.75	4.50-9.25	9.00-11.25
375	2.00-4.75	4.50-9.25	9.00-11.25
370	2.00-4.75	4.50-9.25	9.00-11.00
365	2.00-4.75	4.50-9.25	9.00-11.00
360	2.00-4.75	4.50-9.50	9.25–10.75
355	2.00-4.75	4.50-9.50	9.25–10.50
350	2.00-5.00	4.50-9.50	9.25-10.50

Planning information Standard and SERVO-DRIVE for AVENTOS HS





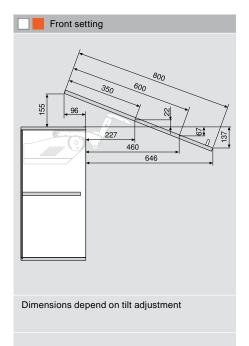


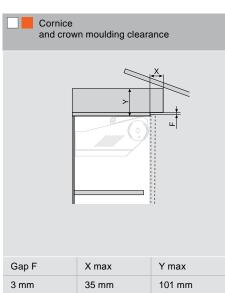


Standard

SERVO-DRIVE







31 mm

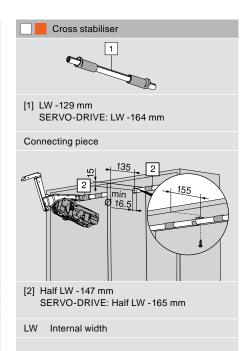
28 mm

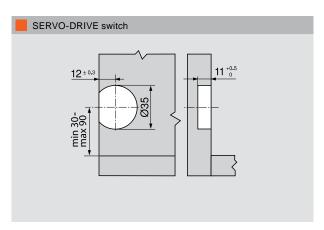
101 mm

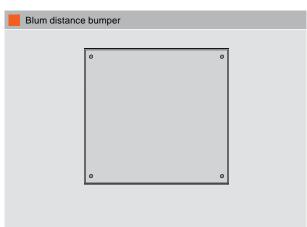
101 mm

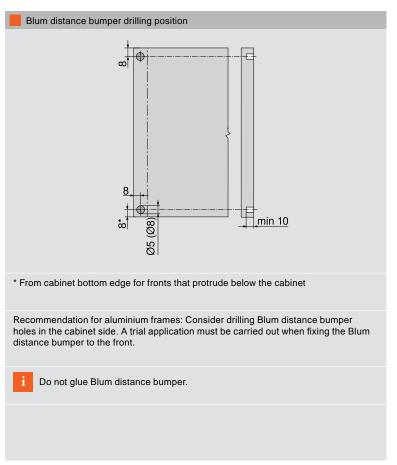
2 mm

1.5 mm



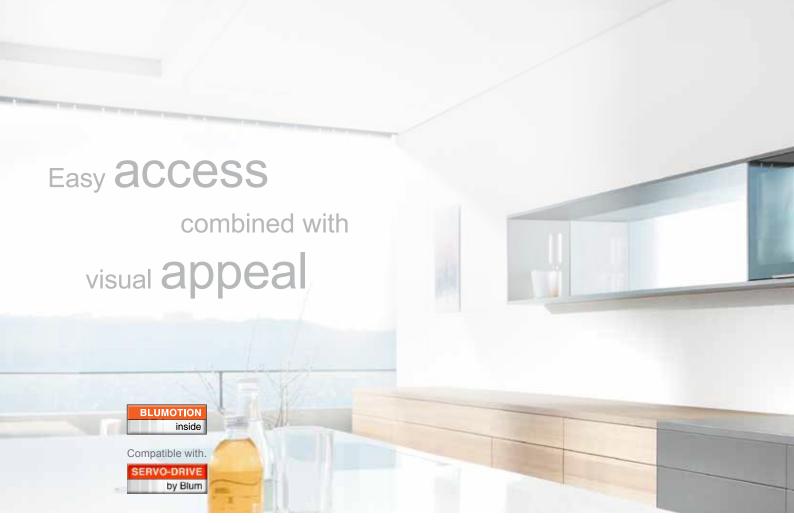






AVENTOS HL





This product is a brilliant combination of design and function. As its name suggests, the AVENTOS HL "lift up" lifts right up and out of the user's way so that everything is always within easy reach. As a result, even special installations are possible. For example, you can integrate electrical appliances into tall cabinets. Handle-less fronts can be opened using SERVO-DRIVE technology and without any need for hinges.





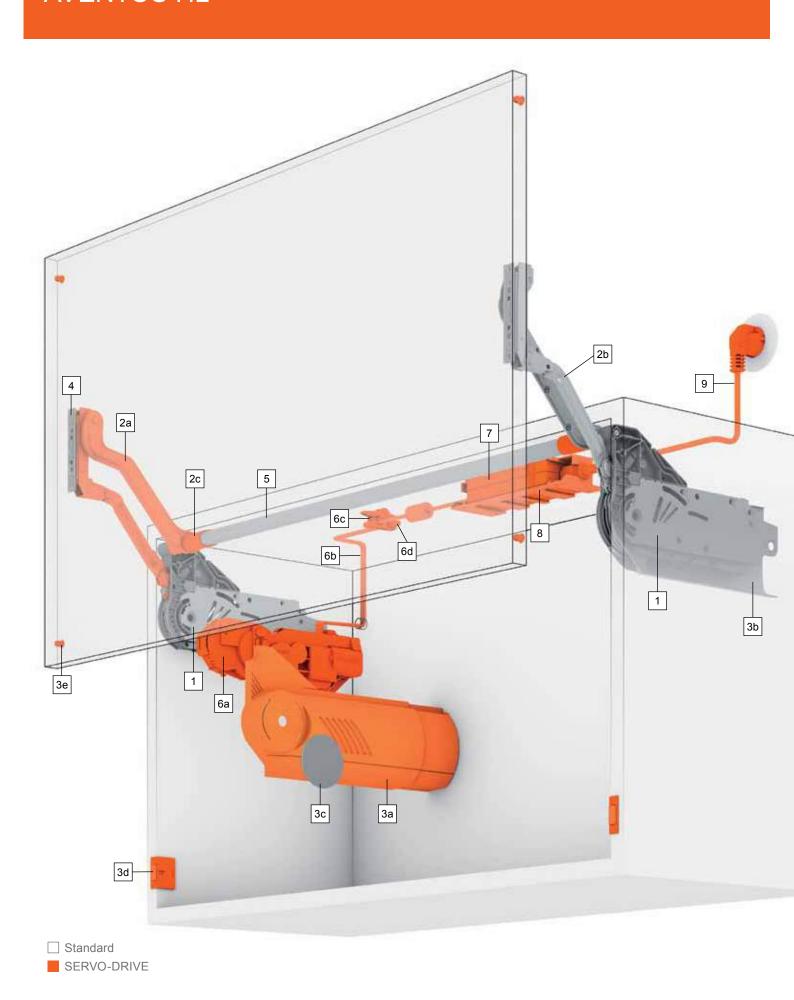


Sheer beauty: With AVENTOS HL, electrical appliances disappear behind a continuous cabinet front.



At the heart of this fitting solution is the lift mechanism with BLUMOTION and a robust spring package.

AVENTOS HL

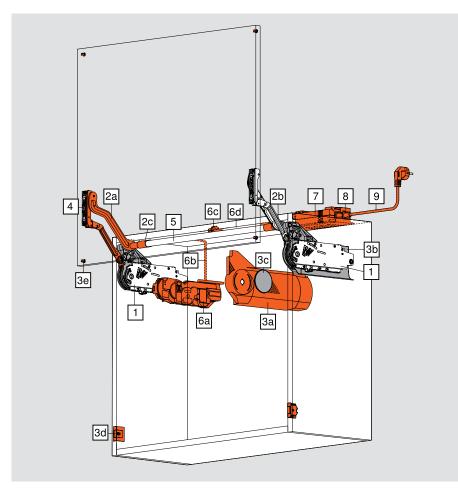




1	Lift mechanism		4	Front fixing bracket
2a	Lever arm left		5	Oval cross stabiliser
2b	Lever arm right		6a	Drive unit The drive unit is attached without tools
2c	Cross stabiliser cover cap			to the left lift mechanism. The same drive unit can be used for all lift mechanisms.
3a	Cover cap, left The left SERVO-DRIVE cover cap is used to cover the lift mechanism, drive unit and distribution cable. To cover the cabling, the cover cap can be expanded up to an internal	•	6b	Distribution cable This cable is used to supply power to the drive unit. The maximum permitted operating power is 24 V.
3b	depth of 350 mm. Cover cap right		6c 6d	Connecting node + cable end protector This node establishes the electrical connection between the distribution cable and the transformer. The cable end protector is inserted into the "open" end
3c	Cover cap round			of the cable.
3d	SERVO-DRIVE switch The SERVO-DRIVE switch is attached to the cabinet side at the bottom. The switch signals the drive unit via a wireless connection. The 2.4 GHz frequency is certified for international use.		7	Blum transformer + flex The Blum transformer can be used worldwide. It converts the country-specific mains voltage to 24 V direct current. You must use a flex with a regular plug for the respective country depending on the installation location.
3e	Blum distance bumper The Blum distance bumper creates and maintains the required trigger path of 2 mm.		8	Transformer unit housing The transformer is easily and securely stored in the transformer unit housing.



Order information Standard and SERVO-DRIVE for AVENTOS HL



5 types of lift mechanisms are enough to cover a wide range of applications.

In order to select the correct lift mechanism, it is necessary to establish both the cabinet height and the weight of the front (including the handle).



	Cabinet height				
	300–349 mm	350–399 mm	400–550 mm	450–580 mm	
	Lever arm set				
	20L3200.06	20L3500.06	20L3800.06	20L3900.06	
Lift mechanism set	21L3200.01	21L3500.01	21L3800.01	21L3900.01	
20L2100.05	1.25–4.25 kg	1.25–2.50 kg			
20L2300.05	3.50-7.25 kg	1.75–5.00 kg	1.75–3.50 kg		
20L2500.05	6.50–12.00 kg	4.25–9.00 kg	2.75–6.75 kg	2.00-5.25 kg	
20L2700.05	11.00–20.00 kg	8.00–14.75 kg	5.75–11.75 kg	4.25–9.25 kg	
20L2900.05		13.50–20.00 kg	10.50-20.00 kg	8.25–16.50 kg	

A trial application is recommended when you are in a borderline area of the individual lift mechanism.

1	Lift mechanism set	
		20L2100.05
		20L2300.05
		20L2500.05
		20L2700.05
		20L2900.05
	Composed of:	
	2 x symmetrical lift mechanisms	
	10 x chipboard screws Ø 4 x 35 mm	

2	Lever arm set	
FIA 1979	Cabinet height 300-349 mm	20L3200.06
	Cabinet height 350–399 mm	20L3200.06 20L3500.06 20L3800.06 20L3900.06
	Cabinet height 400–550 mm	
Gr. Gr.	Cabinet height 450–580 mm	20L3900.06
	Composed of:	
2a	1 x lever arm left	
2b	1 x lever arm right	
2c	2 x cross stabiliser cover caps	



Lever arm set for SERVO-DRIVE	
Cabinet height 300–349 mm	21L3200.01
Cabinet height 350–399 mm	21L3200.01 21L3500.01 21L3800.01 21L3900.01
Cabinet height 400-550 mm	21L3800.01
Cabinet height 450–580 mm	21L3900.01
Composed of:	
1 x SERVO-DRIVE lever arm left	
1 x lever arm right	
2 x cross stabiliser cover caps	
	Cabinet height 300–349 mm Cabinet height 350–399 mm Cabinet height 400–550 mm Cabinet height 450–580 mm Composed of: 1 x SERVO-DRIVE lever arm left 1 x lever arm right

3	Cover cap set		
00 00	Nylon		
	light grey, silk white		
		20L8000.01	
	Composed of:		
3a	1 x cover cap large left		
3b	1 x cover cap large right		
3c	2 x round cover caps		

	3	Cover cap set for SERVO-DRIVE		
		Nylon		
		light grey, silk white	21L8000	
•••				
		Includes:		
	3a	1 x SERVO-DRIVE cover cap left		
	3b	1 x cover cap right		
	3c	2 x round cover caps		
	3d	2 x SERVO-DRIVE switches		
	3e	4 x Blum distance bumpers, Ø 5 mm		

	4	Front fixing bracket set					
.Ag		Nickel plated	oden fronts and wide aluminium 20S42E1				
		Wooden fronts and wide aluminium frames ¹⁾	20S42E1				
		Narrow alu frames	20S4200A				
	Composed of: 2 x symmetrical front fixing brackets	Composed of:					
		2 x symmetrical front fixing brackets					
		¹⁾ Use 4 chipboard screws (609.1x00) per side for w 4 countersunk self tapping screws (660.0950) per aluminium frames.					

5	Cross stabiliser rod oval	
	Aluminium, Ø 16 mm	
	For cutting to size, 1061 mm	20Q1061UA
Ť	Cutting: LW -129 mm	
	SERVO-DRIVE: LW -164 mm	
	LW Inner cabinet width	

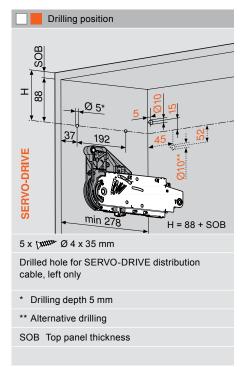
	Connecting piece set for cross stabiliser	
Q	Aluminium, Ø 16 mm	
On S	With LW of 1190 mm and up	20Q153ZA
- (g	Cutting for 5: LW / 2 - 147 mm	
	SERVO-DRIVE: LW / 2 -165 mm	
	Composed of:	
	1 x connecting piece	
	1 x fixing	
	2 x cross stabiliser cover caps	
	LW Inner cabinet width	

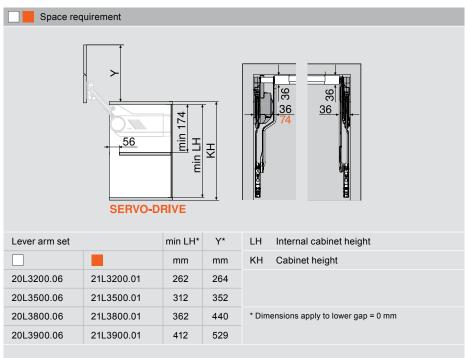
6	SERVO-DRIVE set	
	Nylon	
	RAL 7037 dust grey	21FA000
	Composed of:	
6a	1 x drive unit	
6b	1 x distribution cable, 1500 mm	
6c	1 x connecting node	
6d	2 x cable end protectors	
	We recommend one SERVO-DRIVE drive unit per se for connected fronts!	t

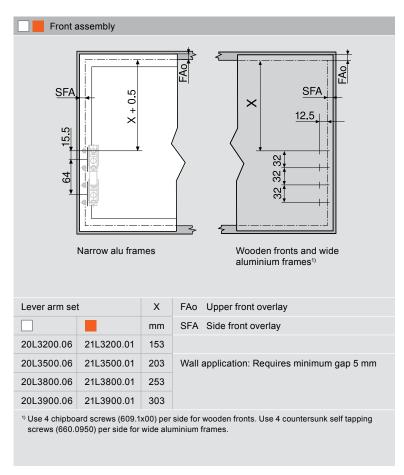
		BIT-P2	Z KS2
7, 8, 9	Blum transformer, flex and transformer unit housing		
		Page	74

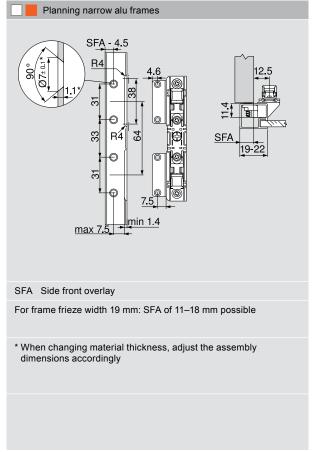
Bit PZ cross slot Size 2, length 39 mm

Planning information Standard and SERVO-DRIVE for AVENTOS HL



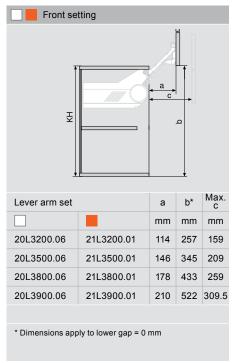


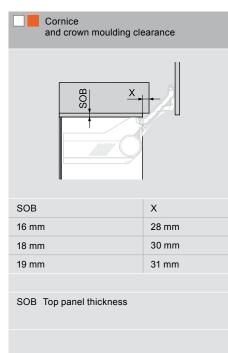


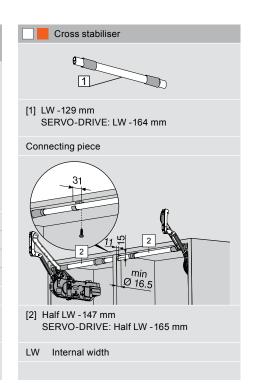


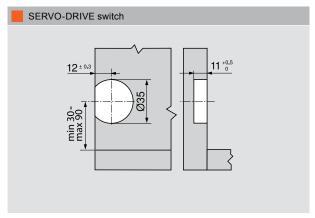
StandardSERVO-DRIVE

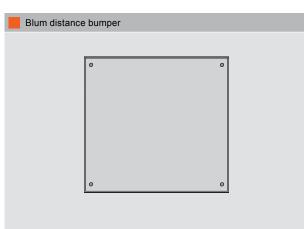


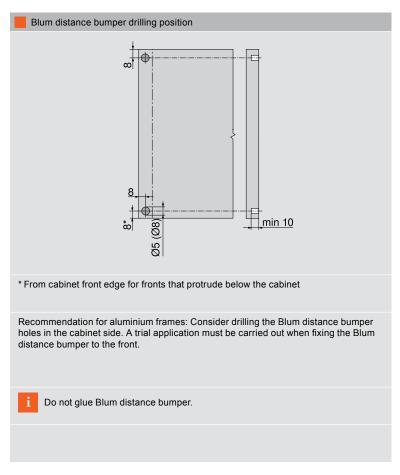






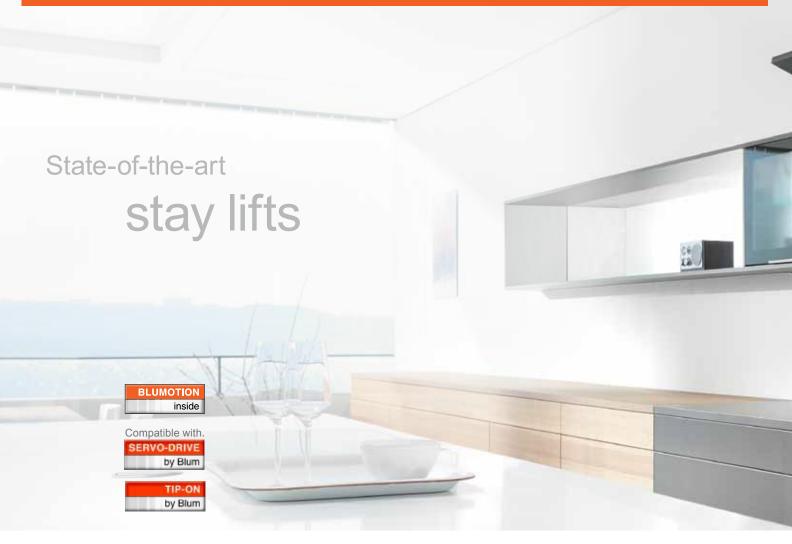






AVENTOS HK





This convenient lift system fitting for mid wall units requires only a small amount of space at the top. The AVENTOS HK stay lift is another product that provides inspiration thanks to its consistently high quality of motion. Handle-less fronts can be opened using SERVO-DRIVE or TIP-ON technology and without any need for hinges.







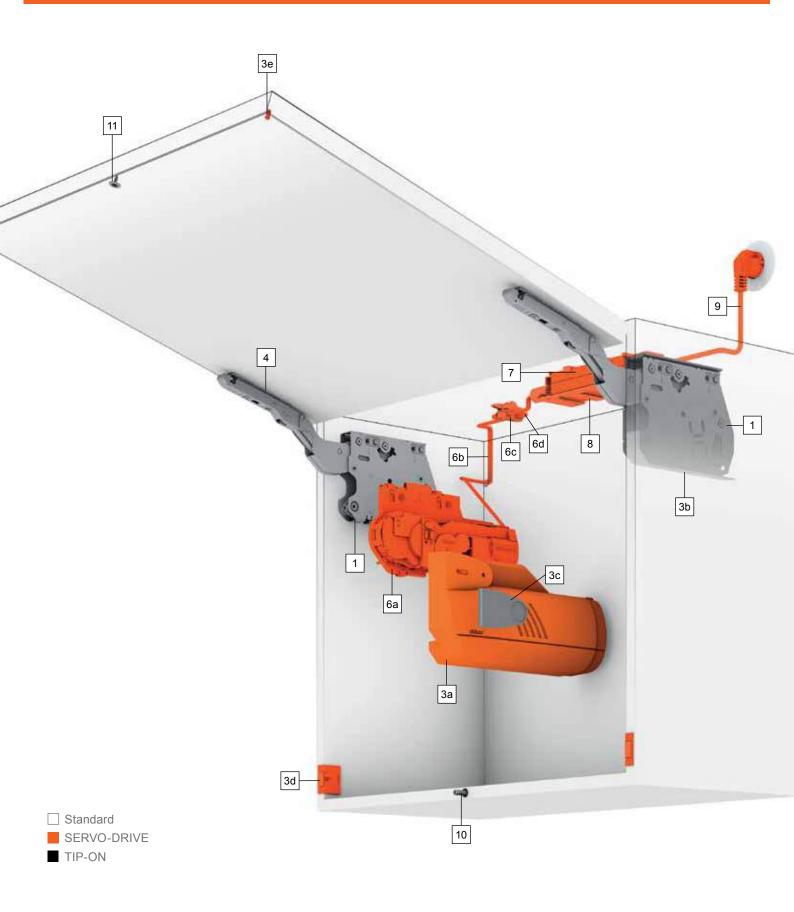
A single touch is all that is needed.

The TIP-ON mechanical opening support system makes opening cabinets easier and more convenient than ever before.



At the heart of this fitting solution is the lift mechanism with BLUMOTION and a robust spring package.

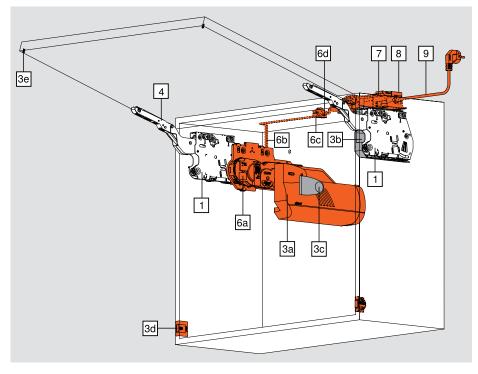
AVENTOS HK





1	Lift mechanism		6b	Distribution cable This cable is used to supply power to the drive unit. The max. permitted operating
3а	Cover cap left The left SERVO-DRIVE cover cap is used to cover the lift mechanism,			voltage is 24 V.
	drive unit and distribution cable. To cover the cabling, the cover cap can be expanded up to an internal depth of 350 mm.	•	6c 6d	Connecting node + cable end protector This node establishes the electrical connection between the distribution cable and the transformer. The cable end protector is inserted into the "open" end
3b	Cover cap right			of the cable.
3c	Cover cap small		9	Blum transformer + flex The Blum transformer can be used worldwide. It converts the county-specific
3d	SERVO-DRIVE switch The SERVO-DRIVE switch is attached to the cabinet side at the bottom. The switch signals the drive unit via a wireless connection. The 2.4 GHz frequency is certified for international use.			mains voltage to 24 V direct current. You must use a flex with a regular plug for the respective country depending on the installation location.
3e	Blum distance bumper The Blum distance bumper creates and maintains the required trigger path of 2 mm.		8	Transformer unit housing The transformer is easily and securely stored in the transformer unit housing.
			10	TIP-ON
4	Front fixing bracket			
6a	Drive unit The drive unit is attached without tools to the left lift mechanism. A special drive unit with an adapter plate is required for AVENTOS HK.		[11]	Screw-on catch plate

Order information Standard and SERVO-DRIVE for AVENTOS HK



4 types of lift mechanisms are enough to cover a wide range of applications.

Using the power factor, you can calculate the number of required lift mechanisms. The power factor required depends on the weight of the front and the cabinet height.

The power factor and the door weight can be increased by 50% when a third lift mechanism is used.

Standard

SERVO-DRIVE

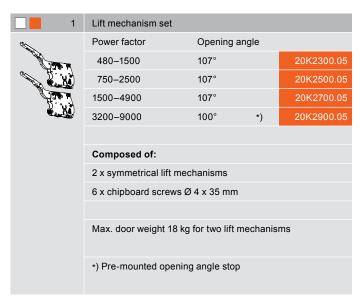
Power factor LF = cabinet height KH (mm) x front weight incl. double handle weight (kg)

LF 750-2500 LF 3200-9.000
20K2500.05 20K2900.05

20K2300.05 LF 1500-4900

Lift mechanism two-sided LF Power factor

A trial application is recommended when you are in a borderline area of the individual lift mechanism.



3	Cover cap set	
	Nylon	
	light grey, silk white	20K8000
	Composed of:	
3a	1 x cover cap large left	
3b	1 x cover cap large right	
3c	2 x cover caps small	

Note

We recommend a lift mechanism attached to the centre panel for wide cabinets. The reason for this is to prevent the middle of the front from sagging when open.





3	Cover cap set for SERVO-DRIVE	
	Nylon	
3-11	light grey, silk white	21K8000
	Composed of:	
3a	1 x SERVO-DRIVE cover cap large left	
3b	1 x cover cap large right	
3c	2 x cover caps small	
3d	2 x SERVO-DRIVE switches	
3e	4 x Blum distance bumpers, Ø 5 mm	

5	SERVO-DRIVE set	
16 · 10	Nylon	
	Dust grey	21KA000

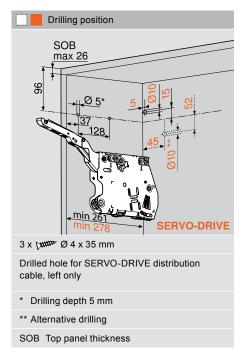
	Composed of:	
6a	1 x drive unit	
6b	1 x distribution cable, 1500 mm	
6c	1 x connecting node	
6d	2 x cable end protectors	
	We recommend two synchronised drive units for a power factor > 9000.	

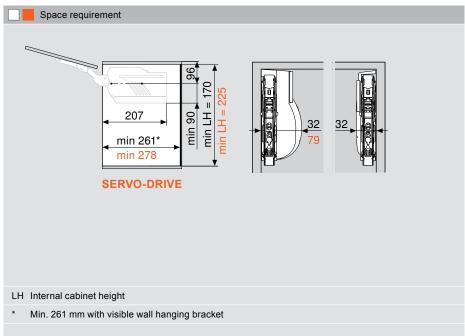
	4	Front fixing bracket set	
		Nickel plated	
		Wooden fronts and wide aluminium frames ¹⁾	20S42E1
		Narrow alu frames	20S4200A
		Composed of:	
		2 x symmetrical front fixing brackets	
		¹⁾ Use 4 chipboard screws (609.1x00) per side for w Use 4 countersunk self tapping screws (660.0950 wide aluminium frames.	

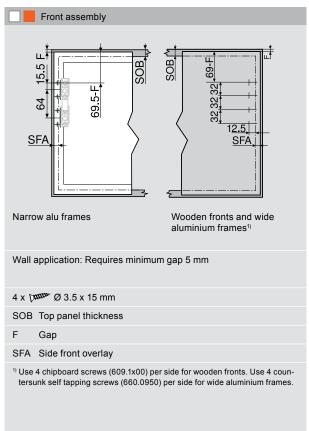
	Opening angle stop			
	Nylon			
	100° Dark grey	2 x	2	0K7041
	75° Dust grey	2 x	2	0K7011
	Bit PZ cross slot			
	Size 2, length 39 mm			
			BIT-	PZ KS2
7, 8, 9	Blum transformer, flex and transformer unit housing			
			Page	74

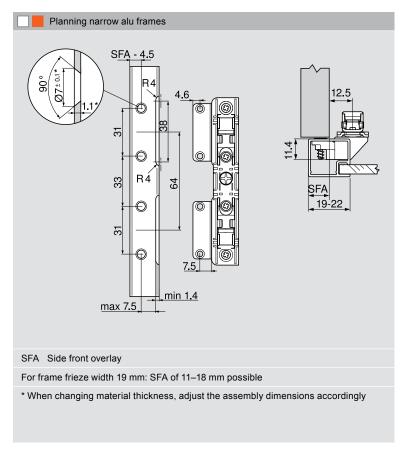


Planning information Standard and SERVO-DRIVE for AVENTOS HK



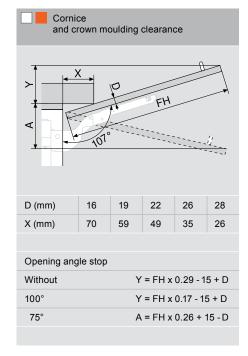


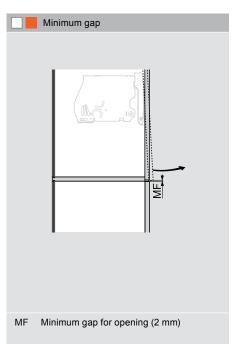


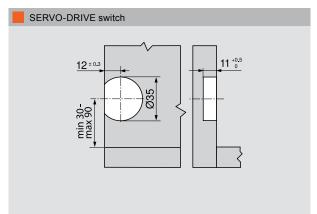


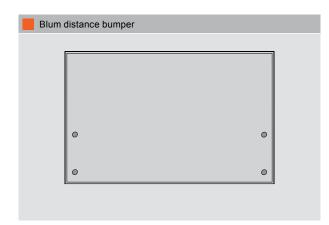
SERVO-DRIVE

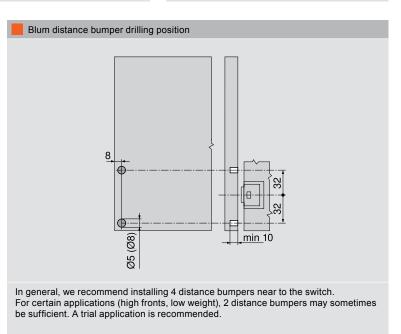








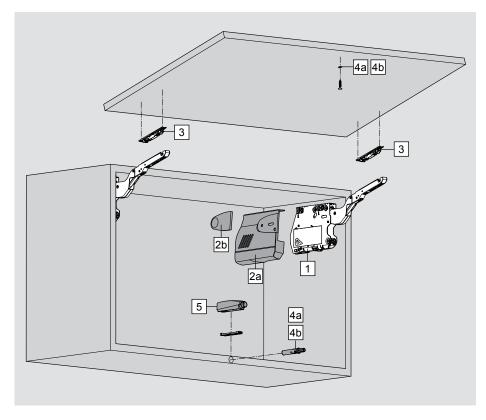




Recommendation for aluminium frames: Consider drilling the Blum distance bumper holes in the cabinet side. A trial application must be carried out when fixing the Blum distance bumper to the front.

i Do not glue Blum distance bumper.

Order information TIP-ON for AVENTOS HK



4 types of lift mechanisms are enough to cover a wide range of applications.

Using the power factor, you can calculate the number of required lift mechanisms. The power factor required depends on the weight of the front and the cabinet height.

The power factor and the door weight can be increased by 50% when a third lift mechanism is used.

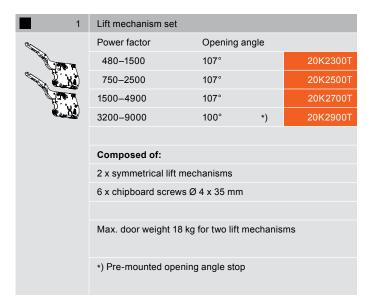
TIP-ON

i

Power factor LF = cabinet height KH (mm) x front weight

Lift mechanism two-sided

A trial application is recommended when you are in a borderline area of the individual lift mechanism.



2	Cover cap set	
	Nylon	
	light grey, silk white	20K8000
	Composed of:	
2a	1 x cover cap large left	
2b	1 x cover cap large right	
2c	2 x cover caps small	

	Opening angle stop		
a	Nylon		
	100° Dark grey	2 x	20K7041
	75° Dust grey	2 x	20K7011





	3	Front fixing bracket set	
8		Nickel plated	
		Wooden fronts	20S42E1
		and wide aluminium frames ¹⁾	
		Narrow alu frames	20S4200A
		Includes:	
		2 x symmetrical front fixing brackets	
		¹⁾ Use 4 chipboard screws (609.1x00) for wooden fr Use 4 countersunk self tapping screws (660.0950 wide alu frames.	

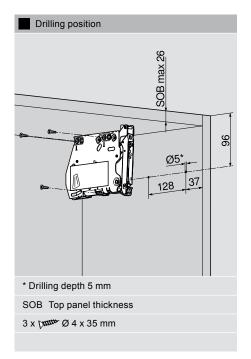
4 b	TIP-ON long version set	
	For front heights over 500 mm	
	For drilling Ø 10 x 76 mm	
0	RAL 7037 nylon, dust grey	
	With magnet	955A1004
	Output path approx. 38 mm	
	Composed of:	
	1 x TIP-ON	
	1 x screw-on catch plate ³⁾	
	1 x chipboard screw 609.1500	
	³⁾ Note: The glue-on catch plate should not be used TIP-ON for AVENTOS HK	in combination with

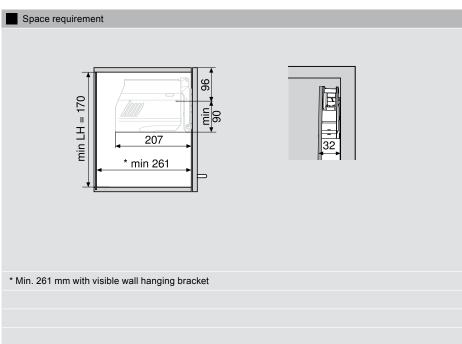
4 a	TIP-ON set	
	For fronts up to a height of 500 mm	
0	For drilling Ø 10 x 50 mm	
	RAL 7037 nylon, dust grey	
	With magnet	955.1004
	Output path approx. 18 mm	
	Composed of:	
	1 x TIP-ON	
	1 x screw-on catch plate ²⁾	
	1 x chipboard screw 609.1500	
	²⁾ Note: The glue-on catch plate should not be used TIP-ON for AVENTOS HK	in combination with

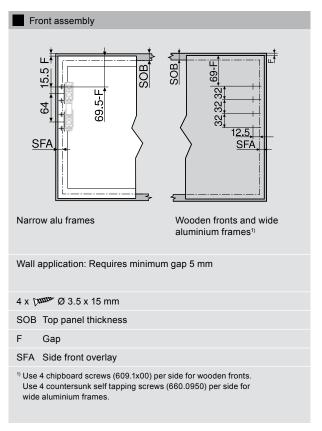
5	Adapter plate	
	Cruciform adapter plate	
	Nylon 7036 platinum grey	
4000	Screws	955.1501
	EXPANDO	955.15E1
	Assembly with Ø 3.5 mm or Ø 4 mm chipboard screws	
	Bit PZ cross slot	
	Size 2, length 39 mm	BIT-PZ KS2

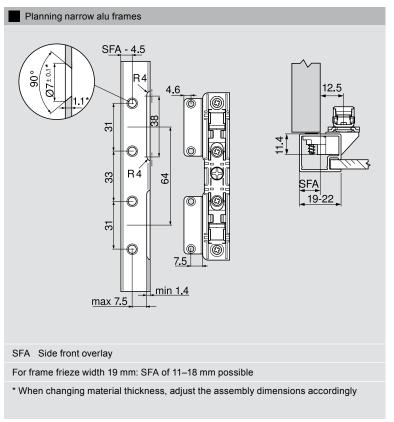


Planning information TIP-ON for AVENTOS HK



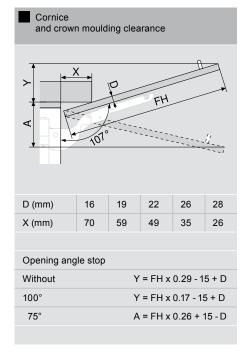


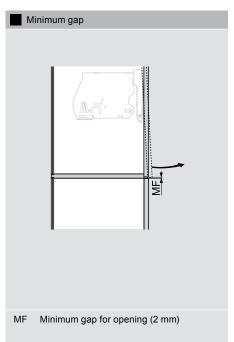




TIP-ON

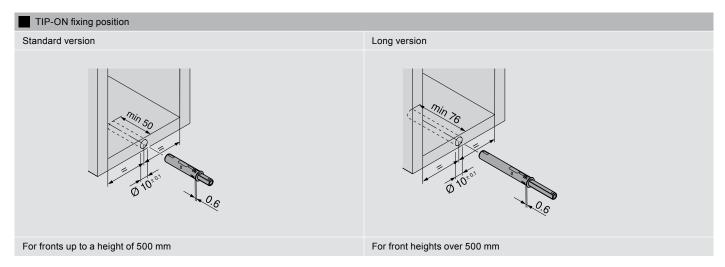


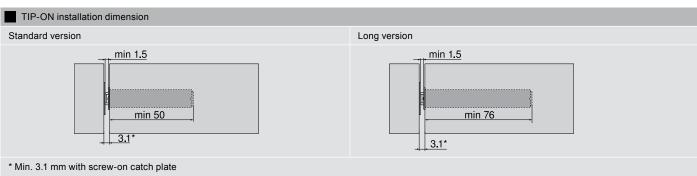




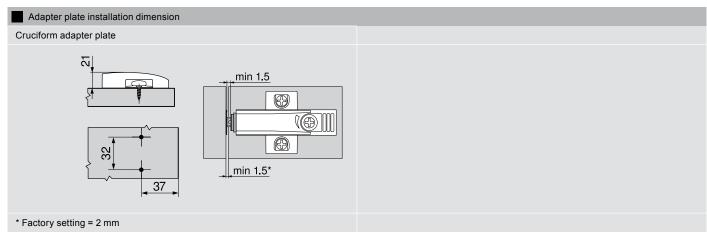


Planning information TIP-ON for AVENTOS HK









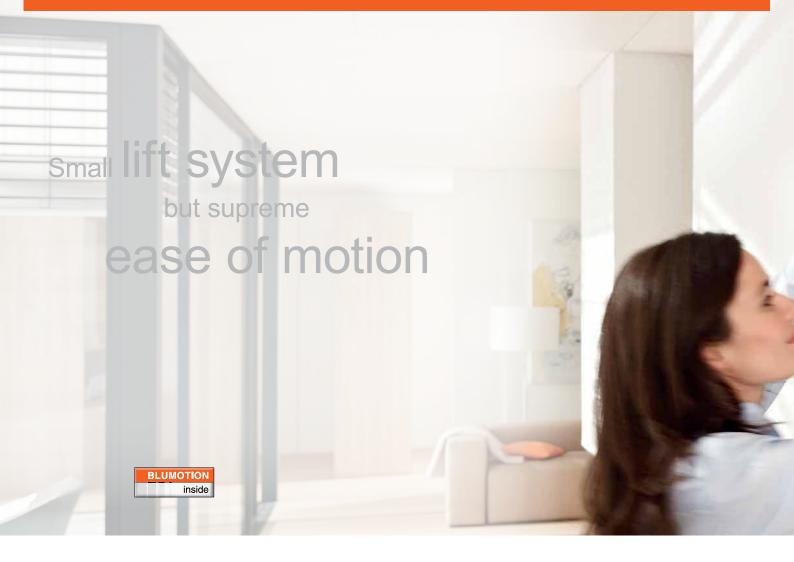


*We recommend offsetting the positioning of TIP-ON by 3 mm for the screw-on catch plate. Comment: The glue-on catch plate should not be used in combination with TIP-ON for AVENTOS HK FAU Lower front overlay

TIP-ON

AVENTOS HK-S





AVENTOS HK-S is the perfect choice for small lift systems in tall cabinets, e.g. above refrigerators. Thanks to its neat and tidy dimensions, the fitting can be perfectly integrated into small pieces of furniture, making the best possible use of the storage space.

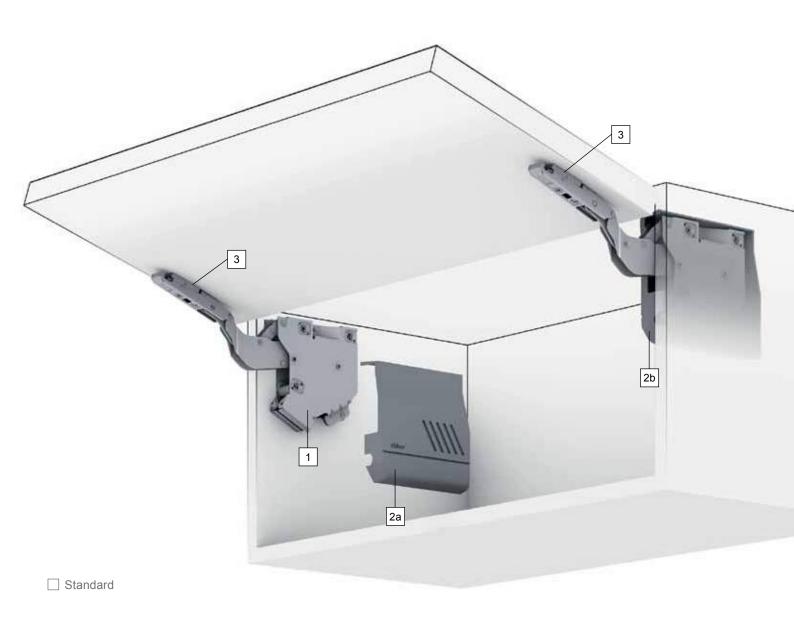






At the heart of this fitting solution is the lift mechanism with BLUMOTION and a robust spring package.

AVENTOS HK-S

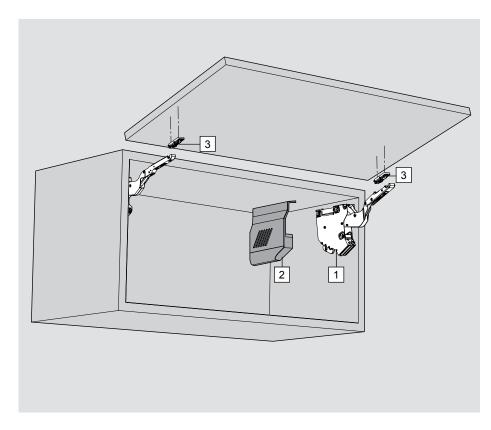




1	Lift mechanism
2a	Cover cap, left
2b	Cover cap right
3	Front fixing bracket



Order information Standard AVENTOS HK-S



3 types of lift mechanisms are enough to cover a wide range of applications.

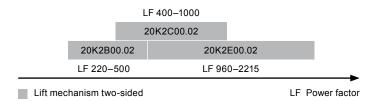
Using the power factor, you can calculate the number of required lift mechanisms. The power factor required depends on the weight of the front and the cabinet height. The power factor and the door weight can be increased by 50% when a third lift mechanism is used.

The maximum cabinet height for AVENTOS HK-S is 400 mm.

Standard

i

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



1	Lift mechanism set		
	Power factor	Spring	
	200-500	Weak	20K2B00.02
	400–1000	Medium	20K2C00.02
63 63	960–2215	Strong	20K2E00.02
	Opening angle	107°	
	Composed of:		
	2 x symmetrical lift mechanisms		
	2 x cover caps large left/i light grey, silk white	right	
	6 x chipboard screws, Ø	4 x 35 mm	

3	Front fixing bracket		
Mark A.	Wooden fronts and wide aluminium frames ¹⁾	2 x	20K42E1.01
	¹⁾ Use 2 chipboard screws (609.1x00) for wooden fronts. Use 2 countersunk self tapping screws (660.0950) for wide alu frames.		
3	Front fixing bracket set		
1001005	Narrow alu frames		20K4A00A01
MUMB			
	Composed of:		
	2 x symmetrical front fixing brackets		

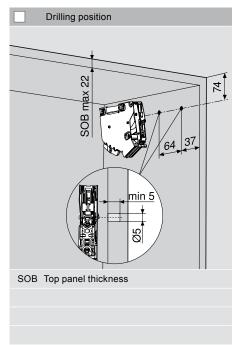


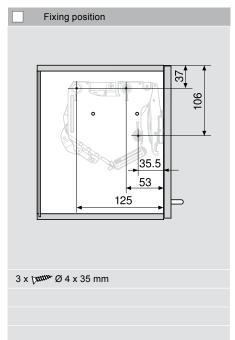


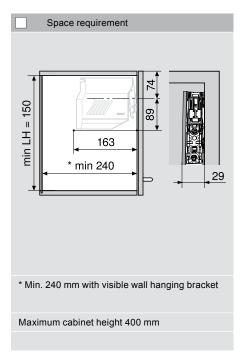
Opening angle stop		
Nylon		
100° Dark grey	2 x	20K7A41
75° Dust grey	2 x	20K7A11
Bit PZ cross slot		

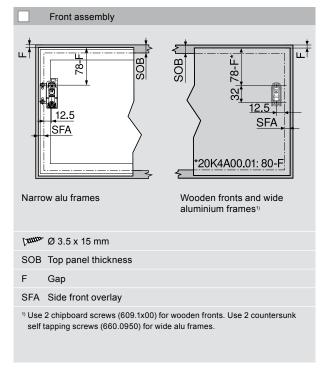
Bit PZ cross slot	
Size 2, length 39 mm	
	BIT-PZ KS2

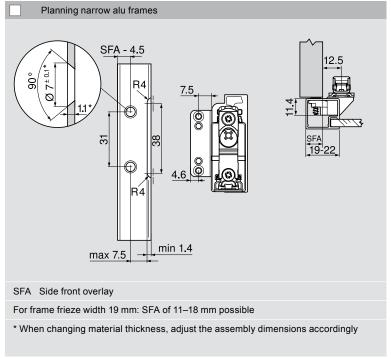
Planning information Standard AVENTOS HK-S





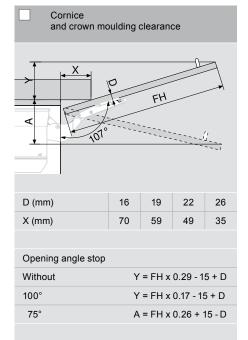


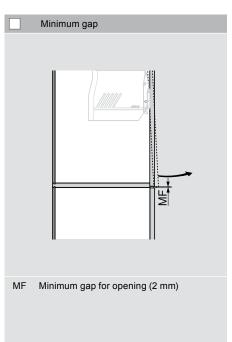




Standard

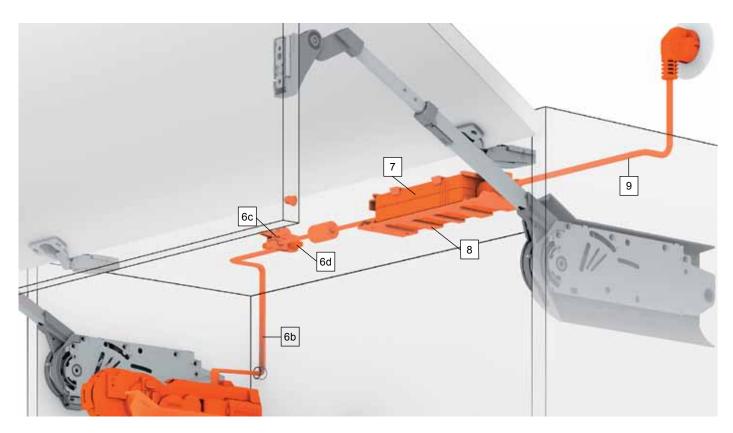


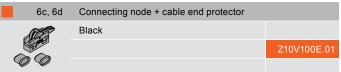




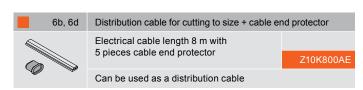


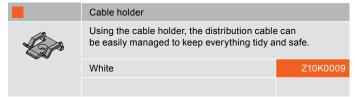
Order information Blum transformer and accessories





9	Flex	
*	Flex AU	Z10M200K

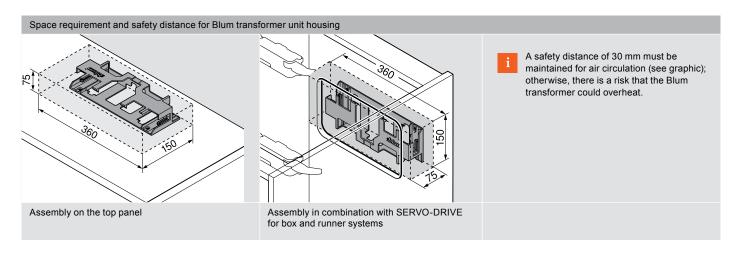


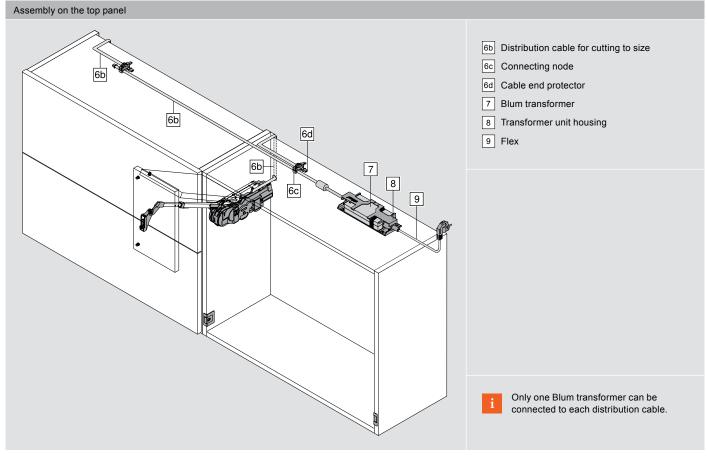


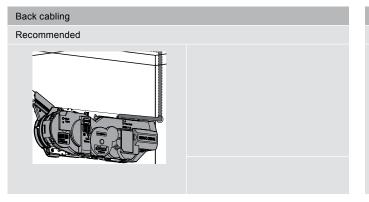
7	Blum transformer	
	72 W	
	Language packages – installation instructions and instruction leaflet	
	D EN, ES, FR, IT, PT	Z10NE020D
	*Note: Blum transformer power consumption approximately 3.36kWh/a Blum drive unit power consumption on stand approximately2.6kWh/a	rive unit power consumption on standby is

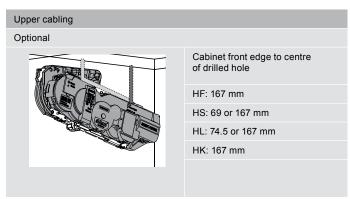
8	Transformer unit housing for panel fixing	
	White grey	
		Z10NG120

Assembly Blum transformer and accessories

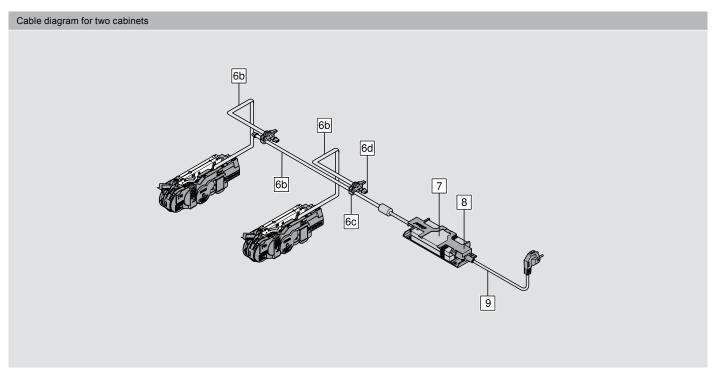


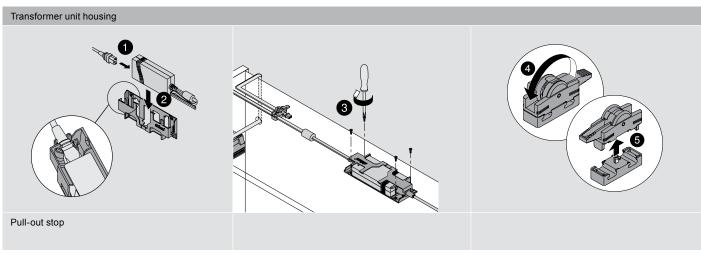


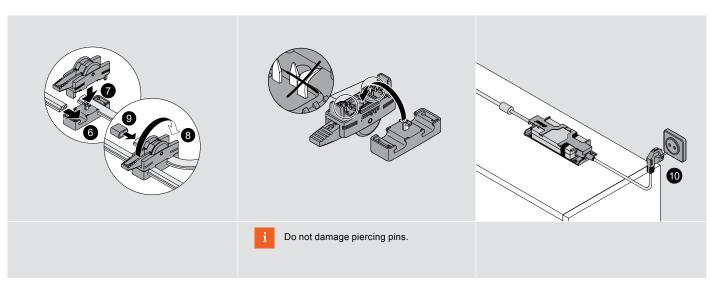




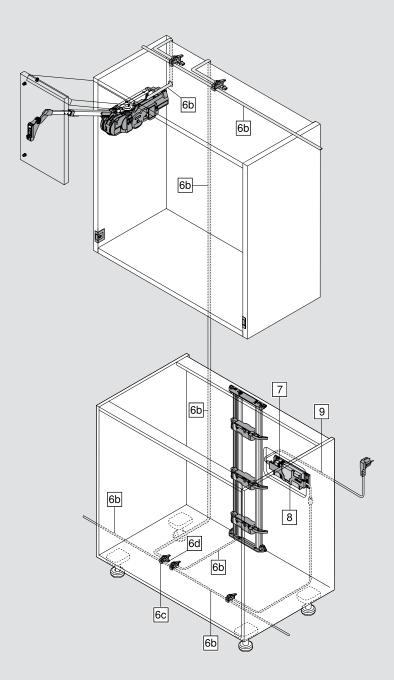
Assembly Blum transformer and accessories







Assembly in combination with SERVO-DRIVE for box and runner systems



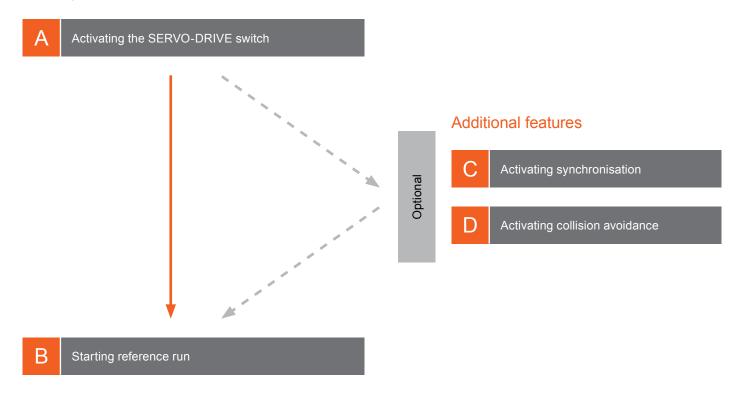
- 6b Distribution cable for cutting to size
- 6c Connecting node
- 6d Cable end protector
- 7 Blum transformer
- 8 Transformer unit housing
- 9 Flex

Only one Blum transformer can be connected to each distribution cable.



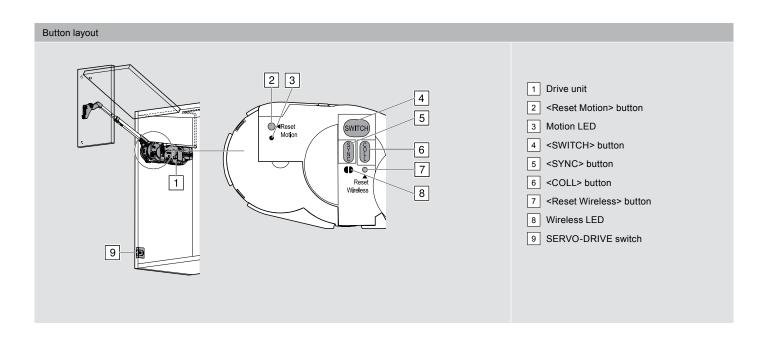
Overview of functions SERVO-DRIVE for AVENTOS

Start-up

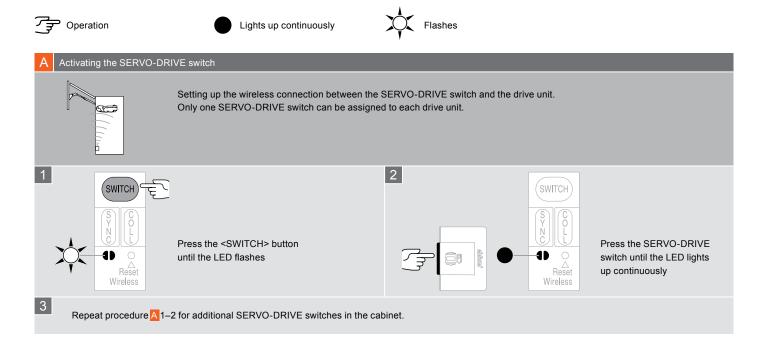


Deactivation

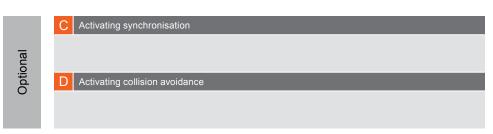


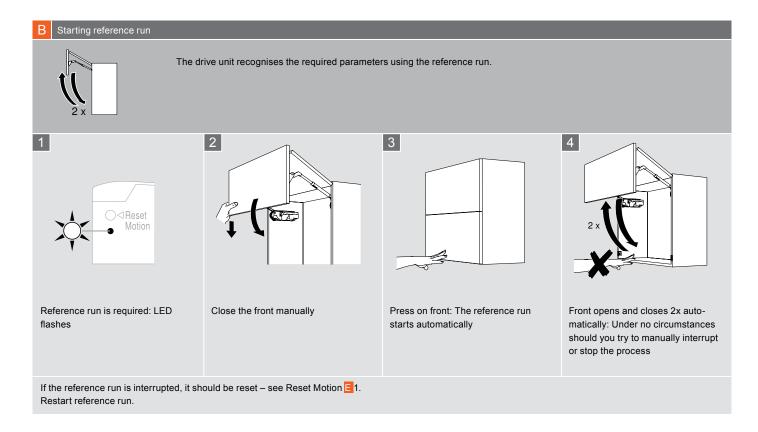


Start-up SERVO-DRIVE for AVENTOS



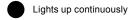
Additional features



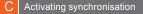


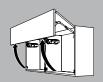
Additional features **SERVO-DRIVE for AVENTOS**



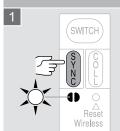




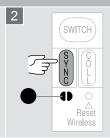




Up to three drive units can be synchronised so that they move simultaneously. This function is required for several cabinets with a uniform front.



Press the <SYNC> button on the 1st drive unit until the LED flashes



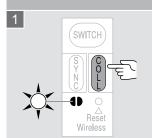
Press <SYNC> on the 2nd drive unit until the LEDs on both synchronised drive units light up continuously

Repeat procedure 1-2 for all additional drive units.

Activating collision avoidance



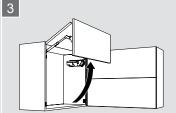
To avoid the collision of fronts, drive units (max. 6) are linked so that only one front can be opened at a time. A front is prevented from opening as long as a linked front remains open.



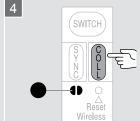
Press the <COLL> button on the 1st drive unit until the LED flashes



Close the front manually



2. Open the front manually



Press < COLL> on the 2nd drive unit until the LED lights up continuously.

5 Repeat procedure 1-4 for all additional cabinets.

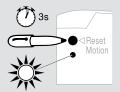
Deactivation SERVO-DRIVE for AVENTOS



E Reset motion

Resets the reference run and enables a new reference run to be started.

1



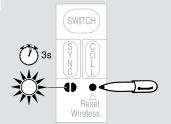
Press the <Reset Motion> button using a pen (at least 3 seconds) until the LED flashes quickly.

F Reset wireless

Deactivates all functions:

All active SERVO-DRIVE switches, synchronisations and collision avoidance settings for the respective drive unit are deleted.

1



Press the <Reset Wireless> button using a pen (at least 3 seconds) until the LED flashes quickly.

Motion LED signals			
*	Flashes orange	Reference run is required	
•	Lights orange continuously	Power available	
		Operating mode display	
		Reference run successfully completed	
禁	Flashes orange quickly	Reset Motion confirmation	

Wireless LED signals			
*	Flashes green	Activation mode	
•	Lights up green continuously	Activation confirmation	
禁	Flashes green quickly	Deactivation confirmation	
•	Lights red continuously	Last process was not completed successfully	



Blum



1952



The first product
Studs are attached to horseshoes to stop horses slipping.

1958



Début in the furniture industry

The ANUBA hinge is Blum's first furniture fitting.

1964



Production start
Blum produces concealed furniture hinges.

1966



Roller runners
Blum starts to produce roller runners.

1985



Assembly technology
CLIP hinges can be mounted without tools thanks to CLIP technology.

Perfecting motion

Blum's fittings solutions are designed to make opening and closing furniture a mesmerising experience. That's why we make every effort to perfect the motion of our lift, hinge, box and runner systems.



DYNAMIC SPACE

Blum products help optimise workflows, produce extra storage space and provide enhanced user convenience – making kitchens extremely practical.

Blum in Austria and around the world

Over 5,000 employees work hard to help us perfect motion. Our fittings are manufactured at ten plants. Seven are in Austria, the remaining are in the USA, Brazil and Poland. Thanks to international subsidiaries and sales agencies, Blum is on site to serve its customers all over the world.



Global customer benefits

Everyone should benefit from the advantages of Blum products – from furniture manufacturers right down to end users.

Top quality

Blum products have been developed for everyday kitchen use and are a pleasure to use a furniture lifetime.



Innovations

We want our fittings solutions to be innovative and make everyday kitchen use easier. That's why our developments are based on findings from requirement research and input from our customers.

Environment

Blum strives to minimise its environmental impact. We use environmentally-friendly processes, use raw materials intelligently and save energy wherever we can.

Our commitment to environmental protection is internationally recognised and rewarded. We endevour to maintain and are always looking to improve our environmental management systems





1987



BOX systems
Blum's first BOX system
goes into production with
METABOX.

2001



Soft-close system
BLUMOTION ensures that furniture closes softly and effortlessly.

2005



Lift systems

AVENTOS lift systems are presented for the first time

2007



Electrical opening support system

SERVO-DRIVE has received numerous awards for design and function.

2011



Runner systems
With MOVENTO, a new
generation of runner systems
was born.



Experience the mesmerising motion Blum showrooms

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