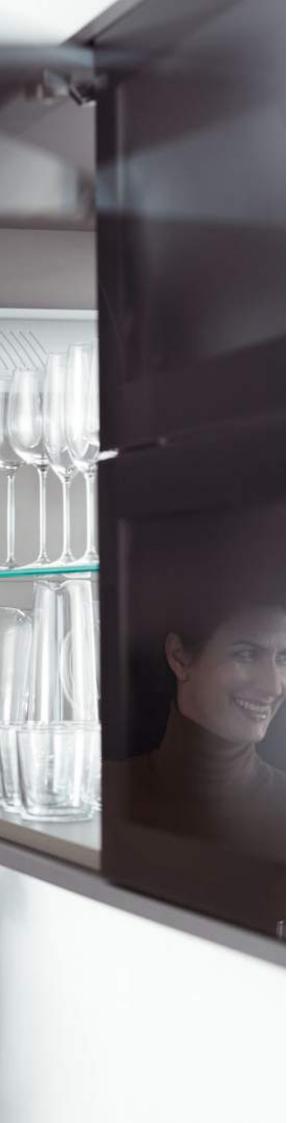


AVENTOS

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.

Contents

- 4 Lift system range
- 5 Ideas for practical kitchens
- 8 Motion technologies
- 10 Top quality
- 12 Assembly
- 14 Frequently asked questions
- 16 Design
- 18 AVENTOS HF
- 34 AVENTOS HS
- 42 AVENTOS HL
- 50 AVENTOS HK
- 64 AVENTOS HK-S
- 74 Blum transformer and accessories
- 78 SERVO-DRIVE for AVENTOS functions
- 82 Blum



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. With SERVO-DRIVE the lift system opens at a single touch. Thanks to BLUMOTION, it closes again silently and effortlessly. AVENTOS lift system fittings offer the highest quality – in addition to their proven stability and elegant design.







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

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

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





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

Small stay lift AVENTOS HK-S

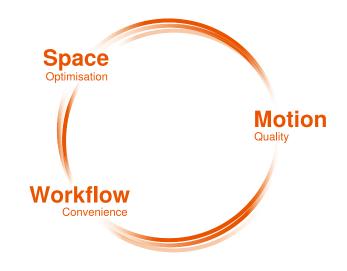
- Perfect for small cabinets,
 e.g. over refrigerators or larder units
- Harmonious proportions
- No hinges required

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.

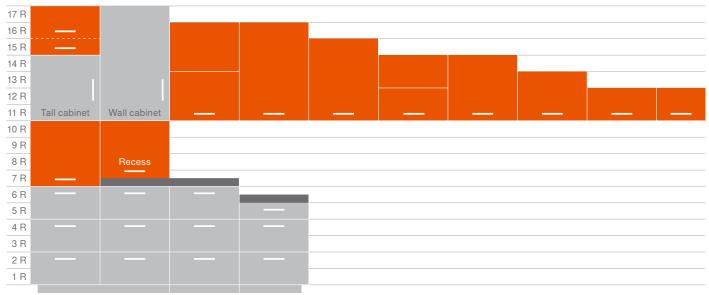


The lift system programme

Everything at a glance

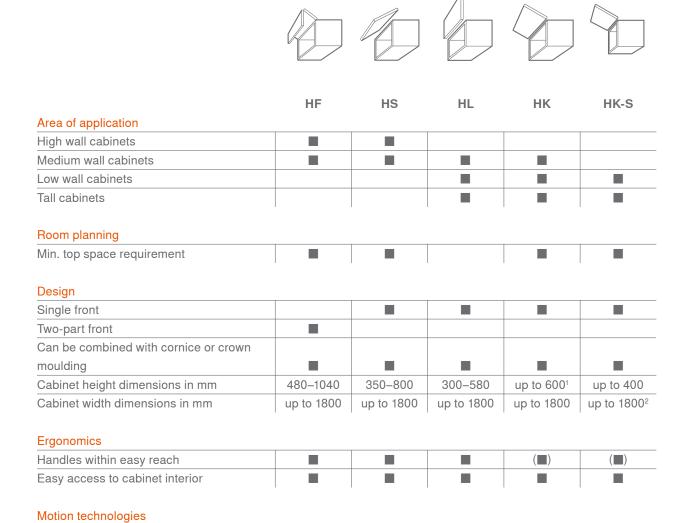
The graphic below shows how the five fittings from the AVENTOS range can be used in a common kitchen system.

AVENTOS HL AVENTOS HL AVENTOS HF AVENTOS HS AVENTOS HS AVENTOS HS AVENTOS HS AVENTOS HK AVENTOS HK



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.





3

BLUMOTION

TIP-ON

SERVO-DRIVE

¹ 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.

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 and HK-S, our mechanical opening support system, now makes handle-less fronts easy and comfortable to open.

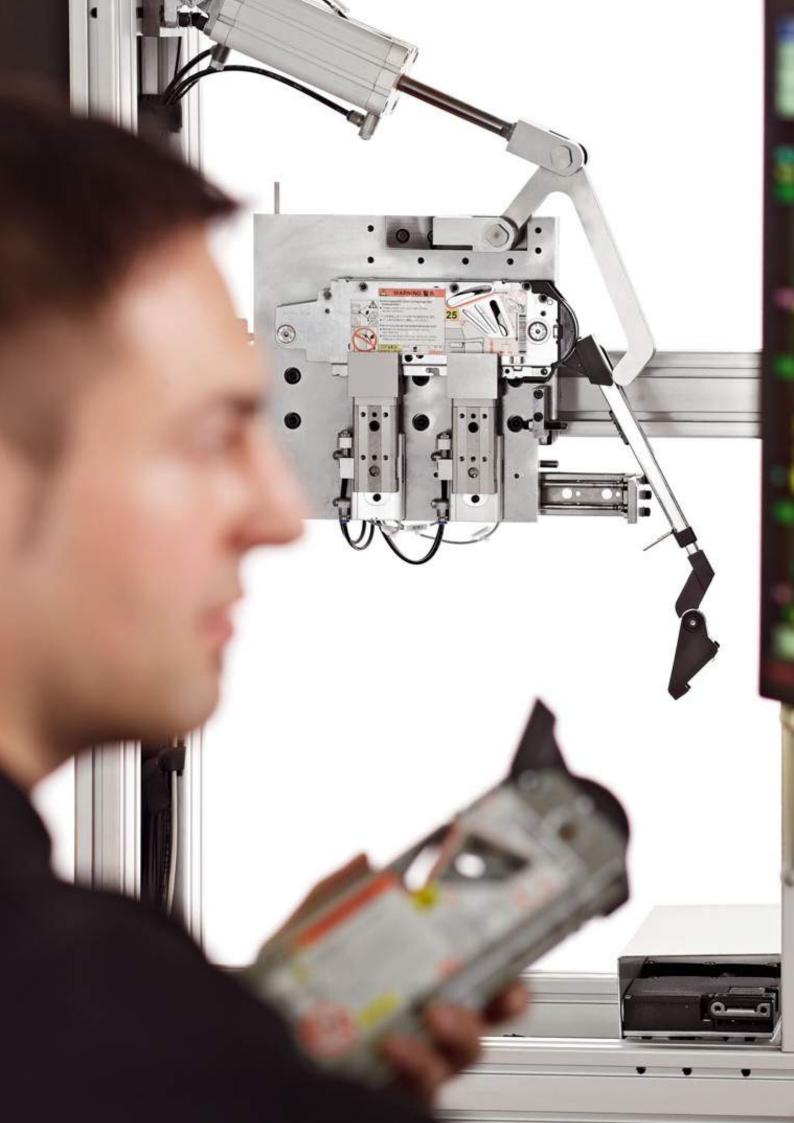


BLUMOTION

Soft and effortless closing

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





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 – only then are we satisfied in terms of our quality.

Long warranty

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

Meticulous selection and processes

High-quality robust materials. Exact, 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?

It is because 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 outage 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 make any additional settings.

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.



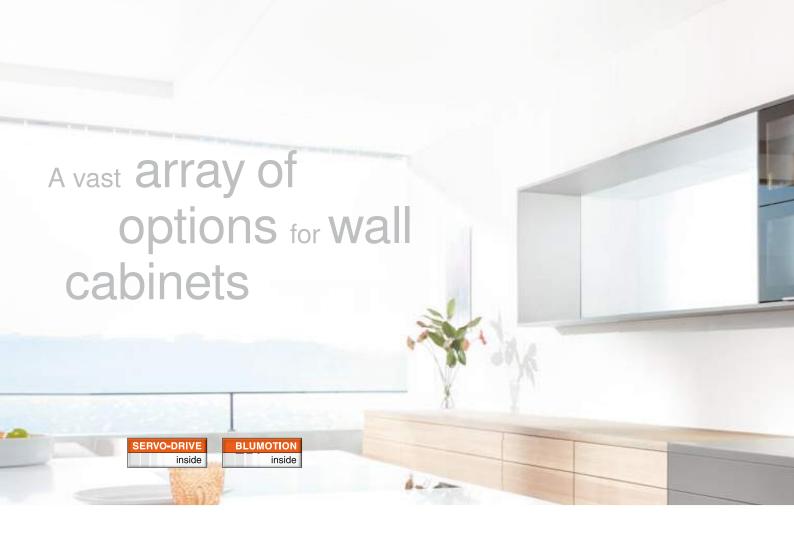


Award-winning design



AVENTOS HF



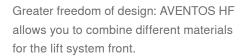


The AVENTOS HF bi-fold lift system is the ideal solution for high and mid wall units. Thanks to the two-part front, even high cabinets can be accommodated. With AVENTOS HF, there is no limit to the variety of planning and design options available. Whether your customers want wooden fronts, narrow or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









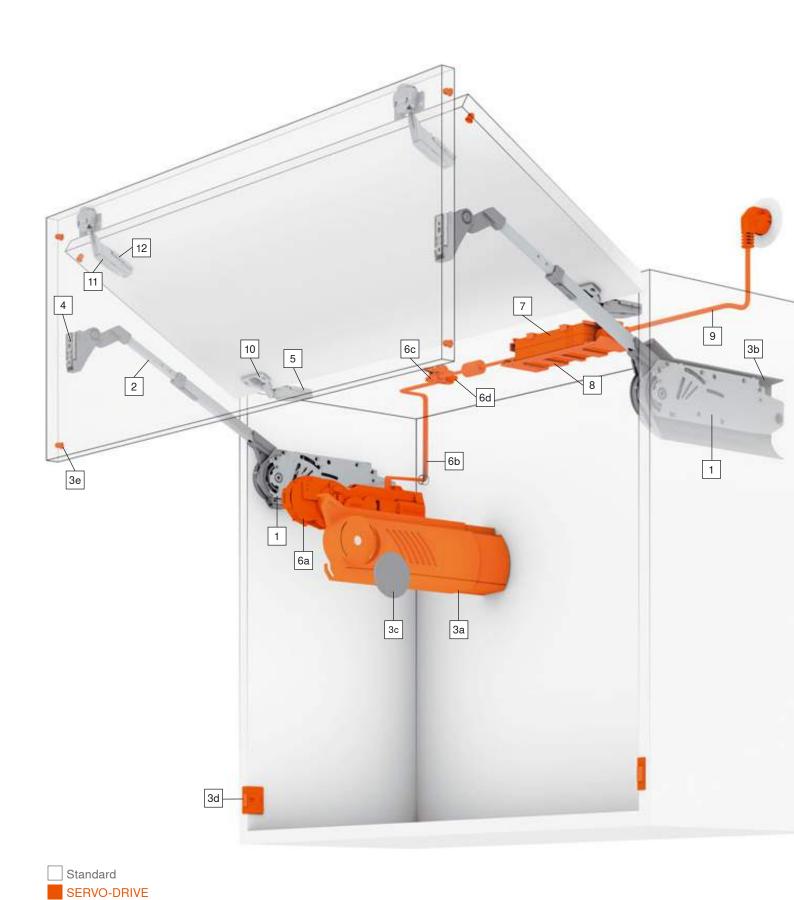


Innovative technology that offers protection: The CLIP top centre hinge prevents fingers getting caught.



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

AVENTOS HF



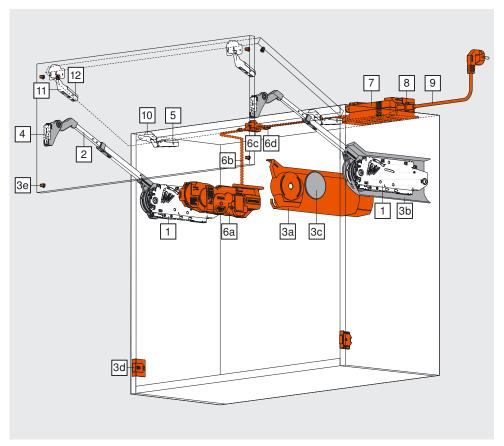


	1	Lift mechanism	6a	Drive unit The drive unit is attached without tools
	2	Telescopic arm		to the left lift mechanism. The same drive unit can be used for all lift mechanisms.
	3a	Cover cap, left The left SERVO-DRIVE cover cap is used to cover the lift mechanism, drive unit and distribution cable. To cover the cabling, the cover cap can be expanded up to an internal 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 cable
	3c	Cover cap round		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.	7 9	Blum transformer + flex The Blum transformer can be used worldwide. It converts the country-spe- cific 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.
	4	Mounting plate for telescopic arm	10	CLIP top 120° hinge (unsprung)
	5	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 alu 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.

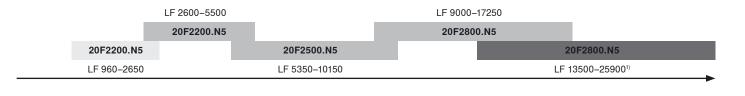
LF Power factor

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	
	Power factor LF	
	2600-5500 (1 piece LF 960-2650)	20F2200.N5
	5350-10150	20F2500.N5
	9000-17250 (3 pieces LF 13500-25900)	20F2800.N5
	Composed of:	
	2 x symmetrical lift mechanisms	
	10 x chipboard screws Ø 4 x 35 mm	

	2	Telescopic arm set	
5 		Nickel plated steel	
	J ,	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 asymmetri = 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.



<u> </u>	Cover cap set	
20 Oc	Nylon	
	light grey	
<u> </u>		20F8000.NA
	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	
		21F8000.NA
	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	
ANISAL P	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	

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
	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	00)
12	2 x Cruciform mounting plate (174E6100.01)	
	³⁾ o. F. = unsprung	

	Hinge set
	for wooden fronts and wide alu frames
	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.

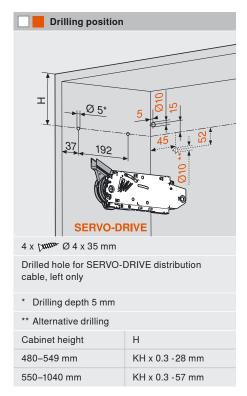
Bit PZ cross slot	
Size 2, length 39 mm	
	BIT-PZ KS2

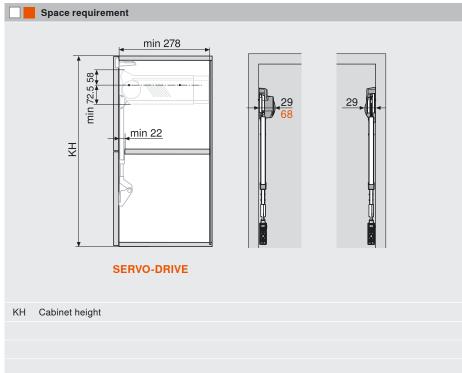
7, 8, 9	Blum transformer, flex and transformer unit housing		
		Page	74

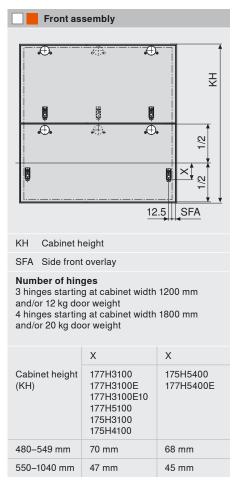


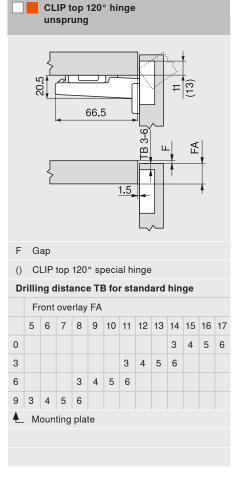
Planning information Standard and SERVO-DRIVE for AVENTOS HF

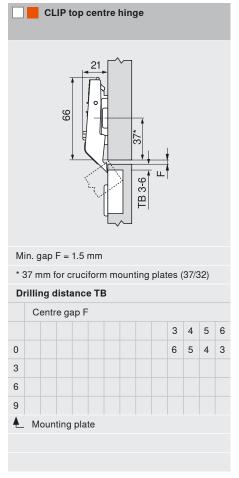
Wooden fronts and wide alu frames symmetrical



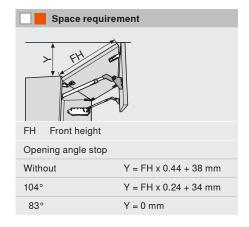


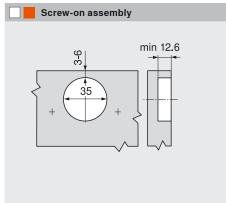


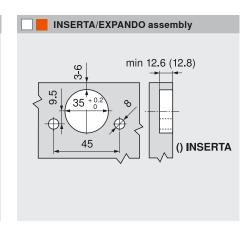


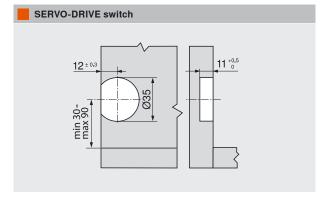


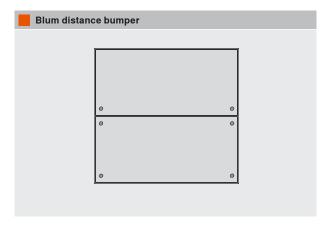


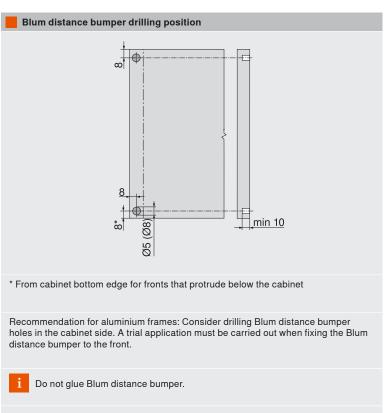










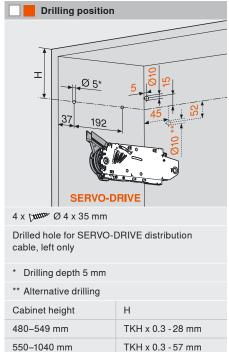


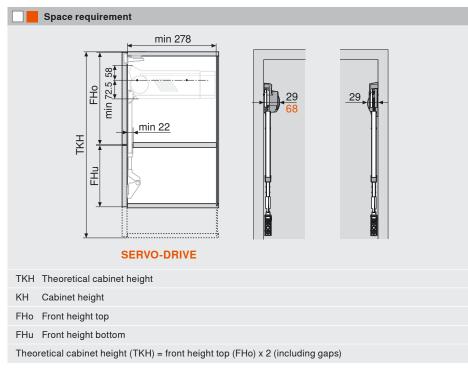
☐ Standard
■ SERVO-DRIVE

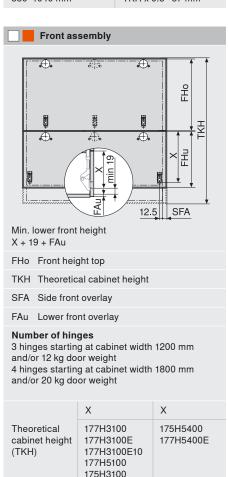
îblum

Planning information Standard and SERVO-DRIVE for AVENTOS HF

Wooden fronts and wide alu frames asymmetrical







175H4100

FHo/2 + 70 mm

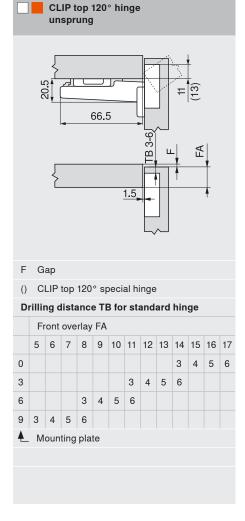
FHo/2 + 47 mm

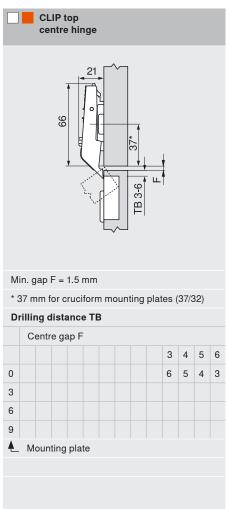
FHo/2 + 68 mm

FHo/2 + 45 mm

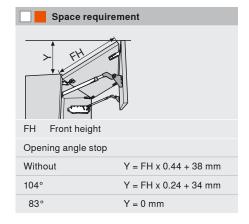
480-549 mm

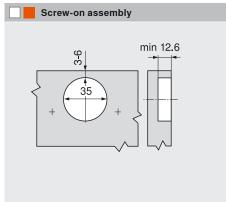
550-1040 mm

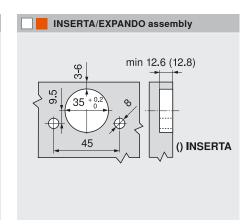


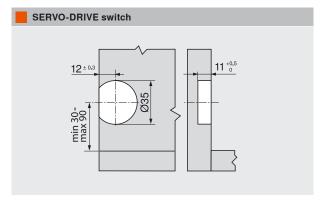


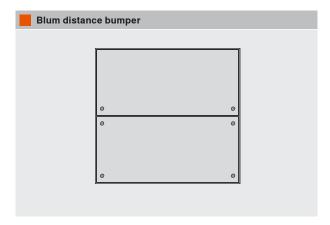


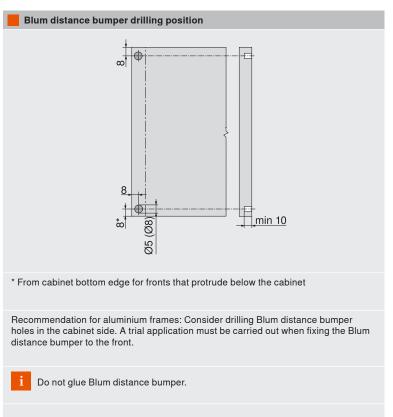








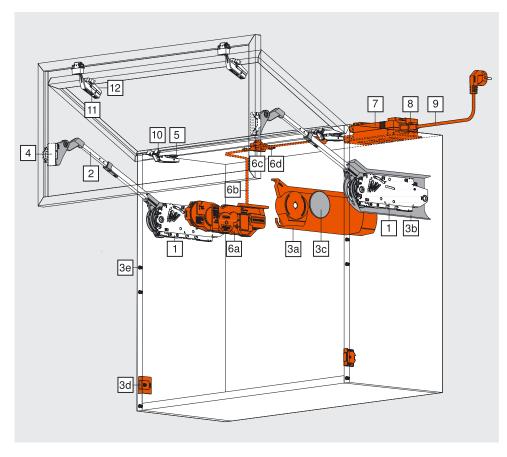




SERVO-DRIVE

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.

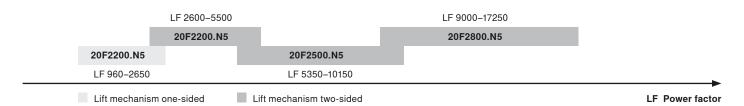
Using the power factor, you can calculate the number of required lift mechanisms. The power factor required depends on the weight of the lower and upper front and the cabinet height.

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

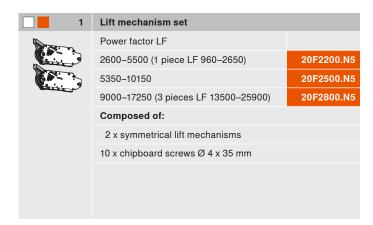
☐ Standard

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 asymmetri = front height top (FHO) x 2 (incl. gaps)	cal fronts



3	Cover cap set	
~0 Oc	Nylon	
	light grey	
		20F8000.NA
	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	
	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	

3	Cover cap set for SERVO-DRIVE	
	•	
	Nylon	
	light grey	
		21F8000.NA
	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	

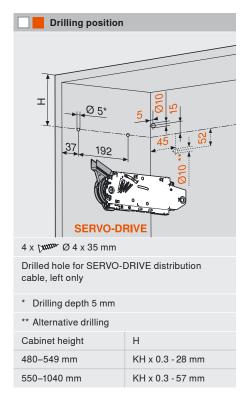
	Hinge set
	for narrow alu frames
	Fixing method: screw-on
	78Z550AT11
	Comprising of:
10	2 x CLIP top 120° alu frame hinge o. F.2) (72T550A.TL)
11	2 x CLIP top alu frame centre hinge (78Z550AT)
12	2 x CLIP adapter plate symmetrical (175H5A00)
4	2 x CLIP adapter plate left/right (175H5B00)
5	2 x Horizontal cam mounting plate (175H5400)
	²⁾ o. F. = unsprung

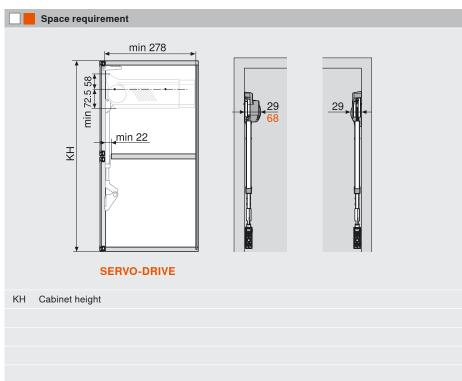
	Bit PZ cross slot	
	Size 2, length 39 mm	
		BIT-PZ KS2

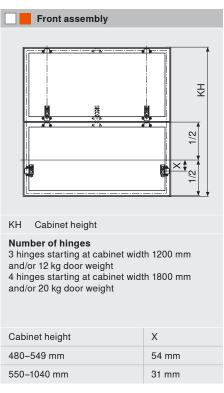
7, 8, 9	Blum transformer, flex and transformer unit housing		
		Side	74

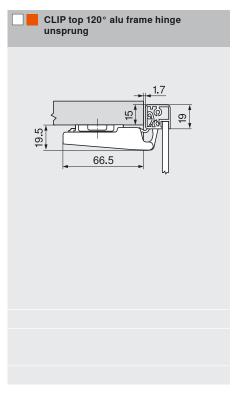
Planning information Standard and SERVO-DRIVE for AVENTOS HF

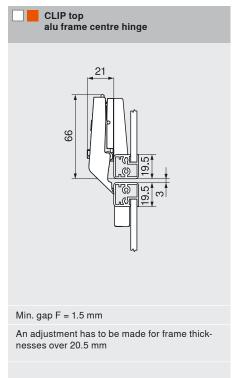
Narrow alu frames symmetrical







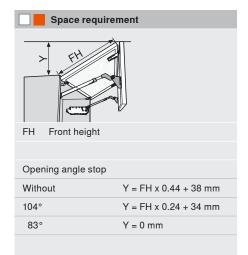


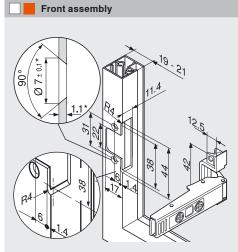




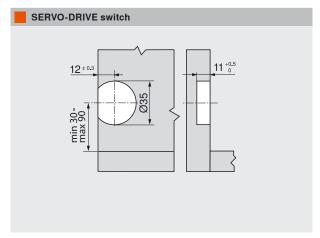
SERVO-DRIVE

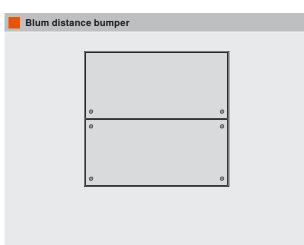


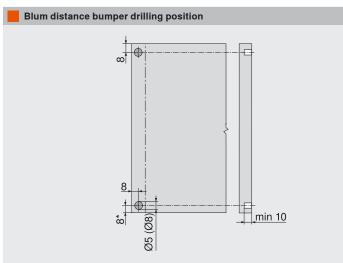




* When changing material thickness, adjust the assembly dimensions accordingly







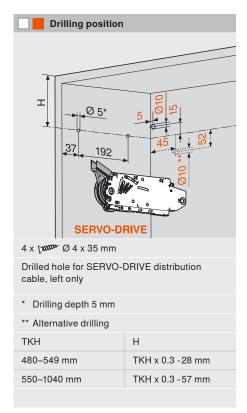
 * From cabinet bottom edge for fronts that protrude below the cabinet

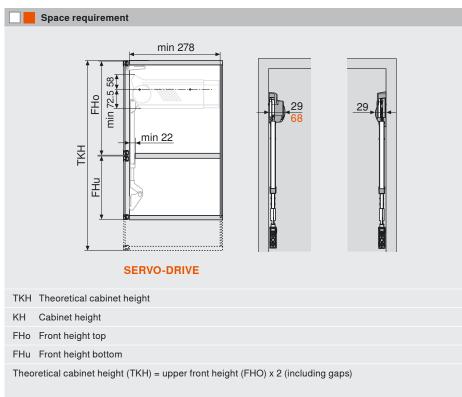
Recommendation for aluminium frames: Consider drilling Blum distance bumper holes in the cabinet side. A trial application must be carried out when fixing the Blum distance bumper to the front.

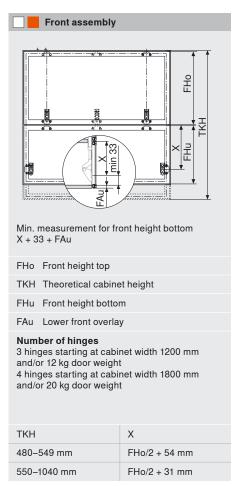
Do not glue Blum distance bumper.

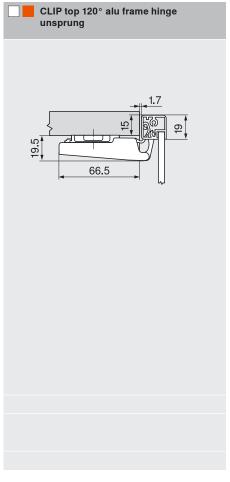
Planning information Standard and SERVO-DRIVE for AVENTOS HF

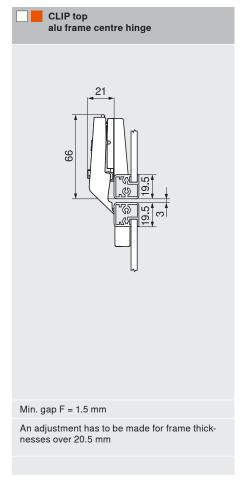
Narrow alu frames asymmetrical



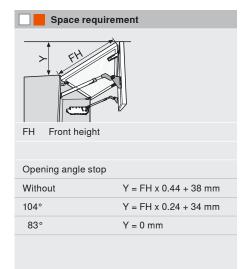


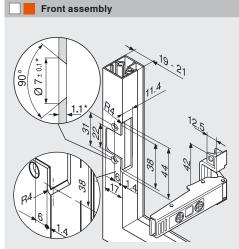




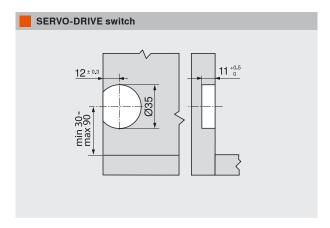


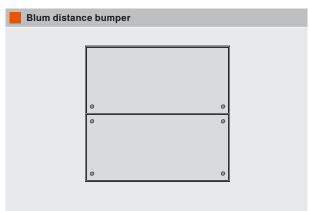






* When changing material thickness, adjust the assembly dimensions accordingly





* 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.

i Do not glue Blum distance bumper.

☐ Standard
■ SERVO-DRIVE

AVENTOS HS



Room for beautiful details

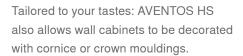


With the lift system fitting for AVENTOS HS, even large, one-part fronts appear to defy gravity by swinging up effortlessly. There is still enough space over the cabinet for a host of design options, such as beautiful details in the form of cornice or crown mouldings. As you would expect, this product is just as easy to assemble as the others and the process is almost entirely tool-free.







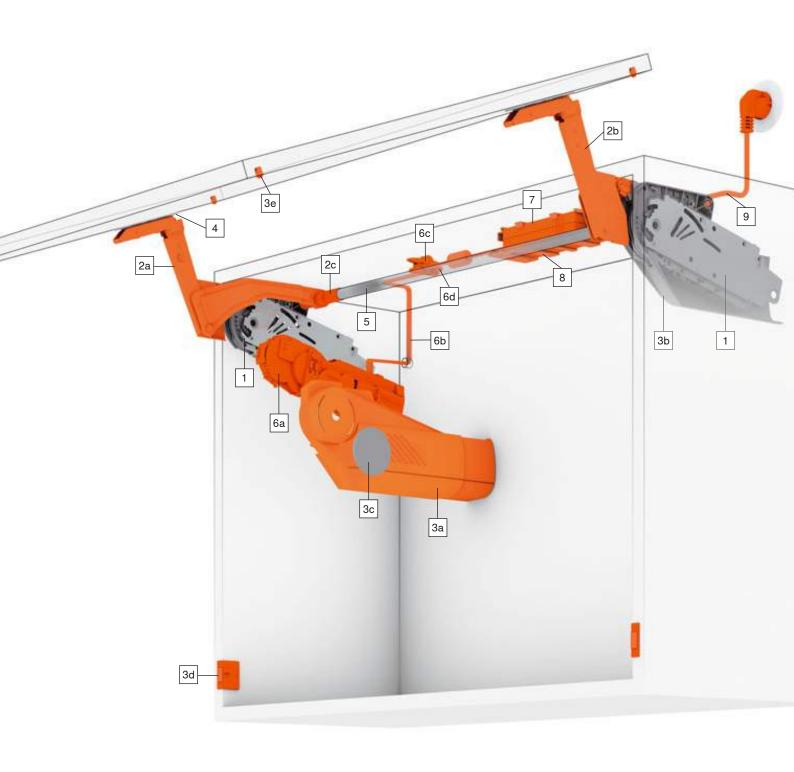




At the heart of this fitting solution is the lift mechanism with BLUMOTION and a robust spring package.

AVENTOS HS

☐ Standard SERVO-DRIVE

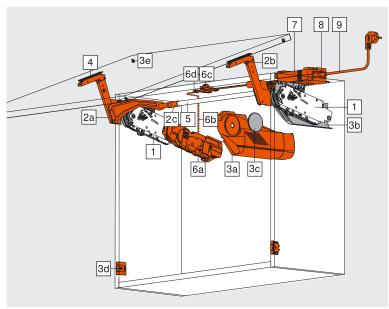




	1	Lift mechanism		4	Front fixing bracket
	2a 2b	Lever arm		5	Cross stabiliser rod round
	2c	Cross stabiliser cover cap		6a	Drive unit The drive unit is attached without tools to the left lift mechanism. The same driv
	3a	Cover cap, left The left SERVO-DRIVE cover cap is used to cover the lift mechanism, drive unit and distribution cable. To cover the cabling, the cover cap can be expanded up to an internal depth of 350 mm.	•	6b	unit can be used for all lift mechanisms. 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
	3c	Cover cap round SERVO-DRIVE switch The SERVO-DRIVE switch is attached			connection between the distribution cable and the transformer. The cable end protector is inserted into the "open" end of the cable.
		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-spe- cific mains voltage to 24 V direct current You must use a flex with a regular plug for the respective country depending on
•	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 mechanism set				
Ļ	KH 350-525 mm	20S2A00.N5	20S2B00.N5	20S2C00.N5	
	KH 526-675 mm	20S2D00.N5	20S2E00.N5	20S2F00.N5	
i va	KH 676-800 mm	20S2G00.N5	20S2H00.N5	20S2I00.N5	
آهي	Composed of:				
	2 x symmetrical lift mechan	nisms			

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

10 x chipboard screws Ø 4 x 35 mm

2	Lever arm set for SERVO-DRIVE	
	Steel, nickel plated	
SI		21S3500.01
Ų	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	20S8000.NA
	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	21S8000.NA
900	light grey	
	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	n
	2 x SERVO-DRIVE switches	n

4	Front fixing bracket set		
	Nickel plated		
	Wooden fronts and wide alu-	20\$4200	
	minium frames ¹⁾		
	Narrow alu frames	20S4200A	
1) Lise 4 chinhoard screws (609 1y00) per side for wooden fronts. Lise 4 coun-			

tersunk self tapping screws (660.0950) per side for wide aluminium frames.

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

	Connecting piece set for cross st	tabiliser
Da S	Aluminium, Ø 16 mm	
On 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



	Bit PZ cross slot	
4000000	Size 2, length 39 mm	
		BIT-PZ KS2

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.N5**

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

Door weight (kg)

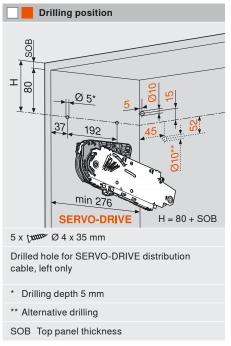
KH (mm)	20S2G00.N5	20S2H00.N5	20S2I00.N5
(,			
800	4.00-7.00	6.00-12.25	10.50-20.00
795	4.00-7.00	6.00-12.25	10.50-20.00
790	4.00-7.00	6.00-12.25	10.75-20.00
785	4.00-7.00	6.25-12.50	10.75-20.00
780	4.00-7.00	6.25-12.50	10.75-20.25
775	3.75-7.00	6.25-12.50	11.00-20.25
770	3.75-7.00	6.25-12.50	11.00-20.25
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.N5	20S2E00.N5	20S2F00.N5
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

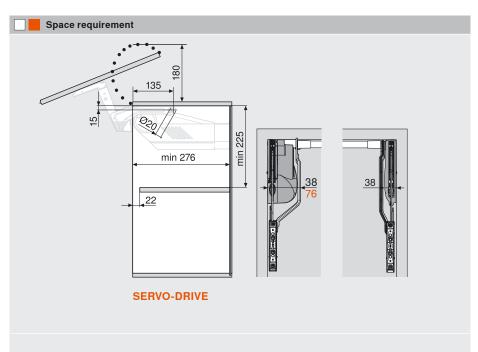
620	3.00-5.75	5.50-11.50	10.25-18.75
615	3.00-5.75	5.50-11.50	10.25-18.75
610	3.00-6.00	5.50-11.75	10.50-18.50
605	3.00-6.00	5.50-11.75	10.50-18.50
600	3.00-6.00	5.50-11.75	10.50-18.50
595	3.00-6.00	5.50-11.75	10.50-18.50
590	3.00-6.00	5.50-12.00	10.75-18.25
585	3.00-6.25	5.75-12.00	10.75-18.25
580	3.00-6.25	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

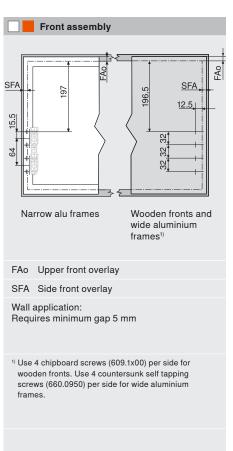
530	3.00-6.75	6.25-12.75	11.75–16.75
526	3.00-6.75	6.25-13.00	12.00-16.50
KH (mm)	20S2A00.N5	20S2B00.N5	20S2C00.N5
, ,			
525	2.50-4.00	3.25-7.50	7.25-15.00
520	2.50-4.00	3.50-7.50	7.25-15.00
515	2.50-4.00	3.50-7.50	7.25-14.75
510	2.50-4.00	3.50-7.75	7.50-14.75
505	2.50-4.00	3.50-7.75	7.50-14.75
500	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

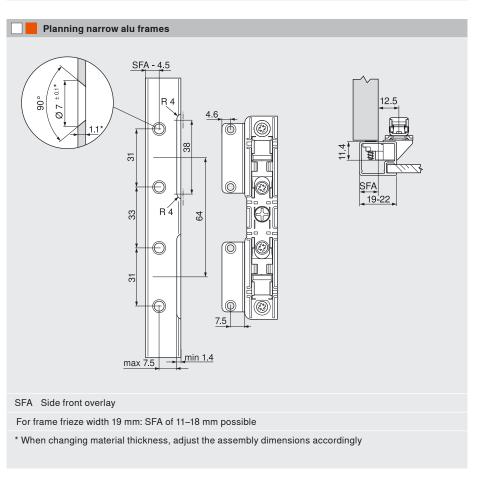


Planning information Standard and SERVO-DRIVE for AVENTOS HS



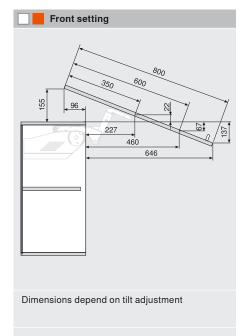


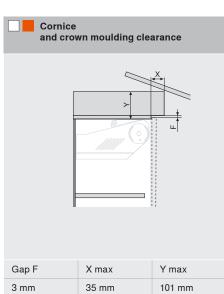




☐ Standard■ SERVO-DRIVE







31 mm

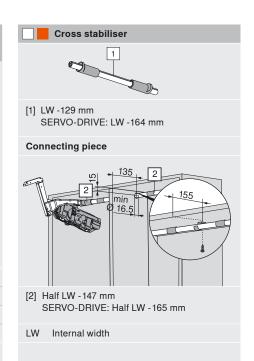
28 mm

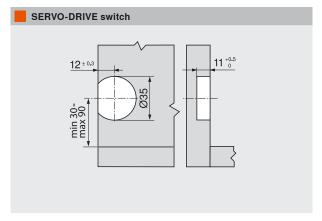
101 mm

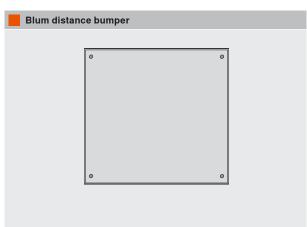
101 mm

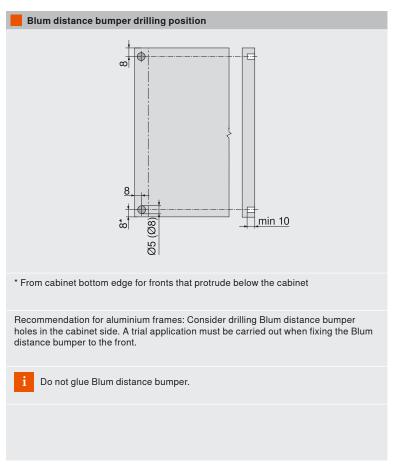
2 mm

1.5 mm



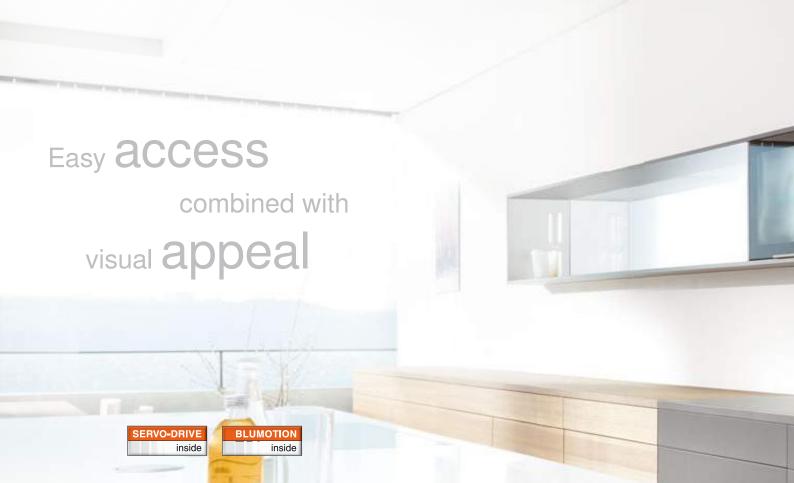






AVENTOS HL





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.





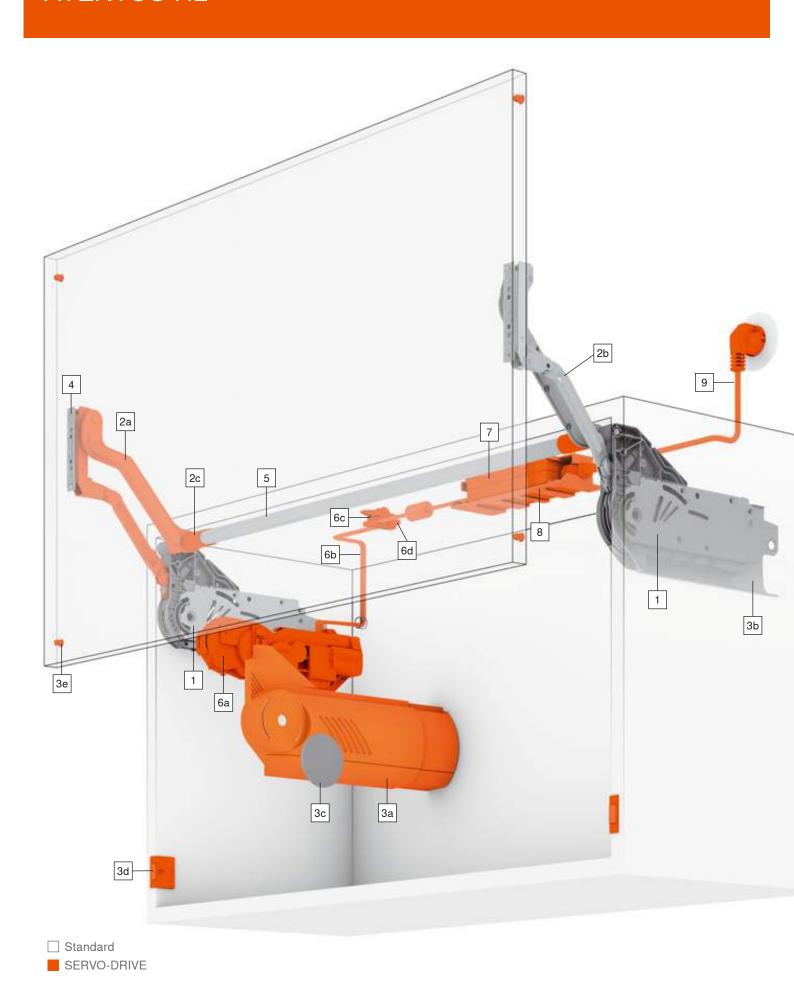






At the heart of this fitting solution is the lift mechanism with BLUMOTION and a robust spring package.

AVENTOS HL

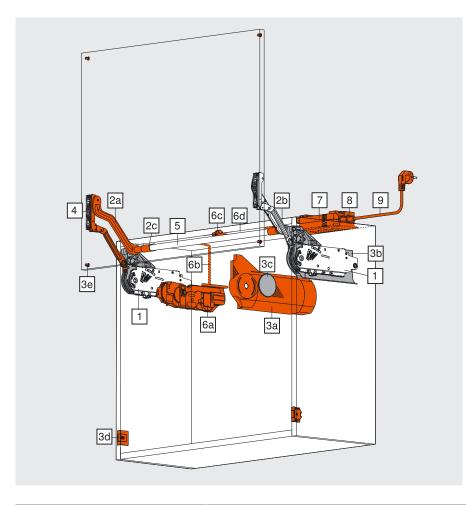




	1	Lift mechanism		4	Front fixing bracket
	2a	Lever arm left		5	Oval cross stabiliser
	2b	Lever arm right		6a	Drive unit The drive unit is attached without tools
	2c	Cross stabiliser cover cap			to the left lift mechanism. The same drive unit can be used for all lift mechanisms.
	3a	Cover cap, left The 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
	3c	Cover cap round			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.	٠	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).

☐ Standard
■ SERVO-DRIVE

	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.N5	1.25-4.25 kg	1.25–2.50 kg		
20L2300.N5	3.50-7.25 kg	1.75–5.00 kg	1.75–3.50 kg	
20L2500.N5	6.50–12.00 kg	4.25–9.00 kg	2.75–6.75 kg	2.00-5.25 kg
20L2700.N5	11.00–20.00 kg	8.00–14.75 kg	5.75–11.75 kg	4.25–9.25 kg
20L2900.N5		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.N5
		20L2300.N5
		20L2500.N5
		20L2700.N5
		20L2900.N5
	Composed of:	
	2 x symmetrical lift mechanisms	
	10 x chipboard screws Ø 4 x 35 mm	

2	Lever arm set	
FIRM 1909	Cabinet height 300-349 mm	20L3200.06
	Cabinet height 350-399 mm	20L3500.06
181	Cabinet height 400-550 mm	20L3800.06
<i>y</i> − <i>y</i>	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	



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

	3	Cover cap set	
00	04	Nylon	
0	10	light grey	
			20L8000.N1
		Composed of:	
3a		1 x cover cap large left	
3b		1 x cover cap large right	
3с		2 x round cover caps	

3	Cover cap set for SERVO-DRIVE	
	Nylon	
(O.)	light grey	
		21L8000.NA
•:•		
	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	
	Nickel plated	
	Wooden fronts and wide aluminium frames ¹⁾	20\$4200
	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.	

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

	Connecting piece set for cross stabiliser	
	Aluminium, Ø 16 mm	
On S	With LW of 1190 mm and up	20Q153ZA
•	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	

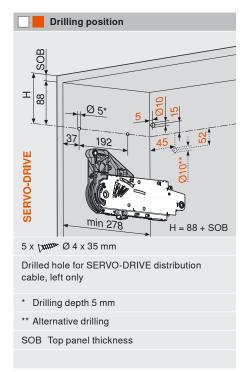
6	SERVO-DRIVE set	
	Nylon	
	RAL 7037 dust grey	21FA000
	Composed of:	
6a	1 x drive unit	
6b	1 x distribution cable, 1500 mm	
6c	1 x connecting node	
6d	2 x cable end protectors	
	We recommend one SERVO-DRIVE drive unit per se for connected fronts!	et

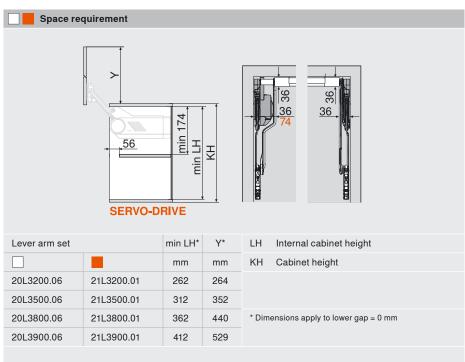
			BIT-	PZ K	S2
7,	8, 9	Blum transformer, flex and transformer unit housing			
			Page		74

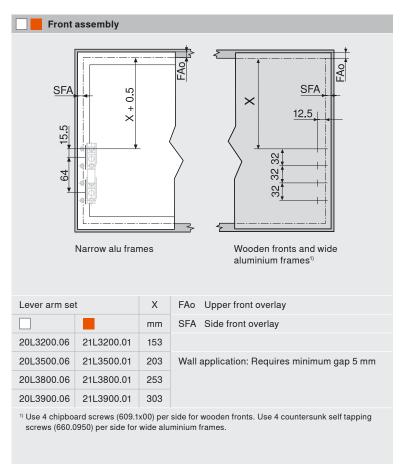
Bit PZ cross slot Size 2, length 39 mm

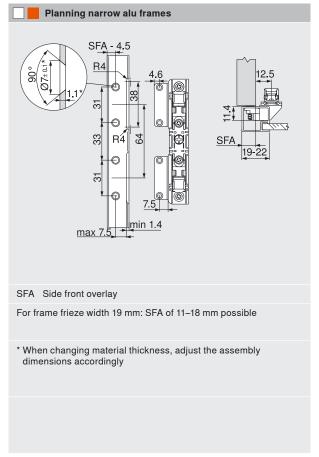


Planning information Standard and SERVO-DRIVE for AVENTOS HL

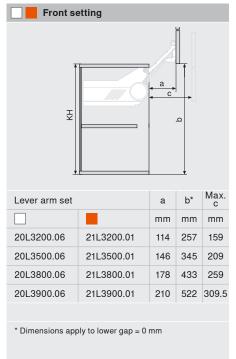


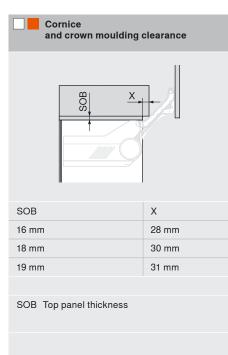


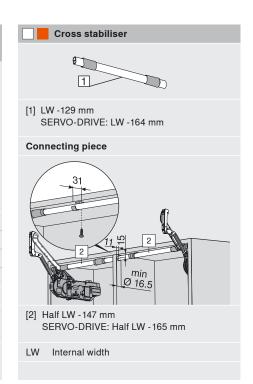


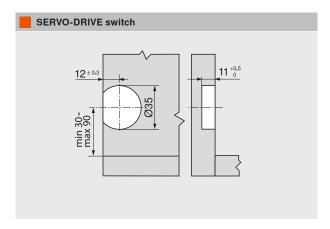


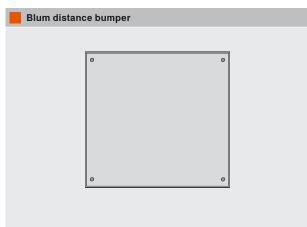


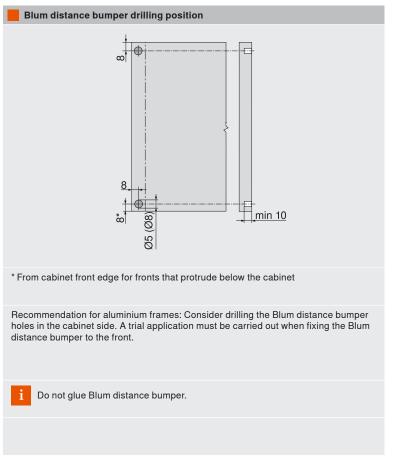






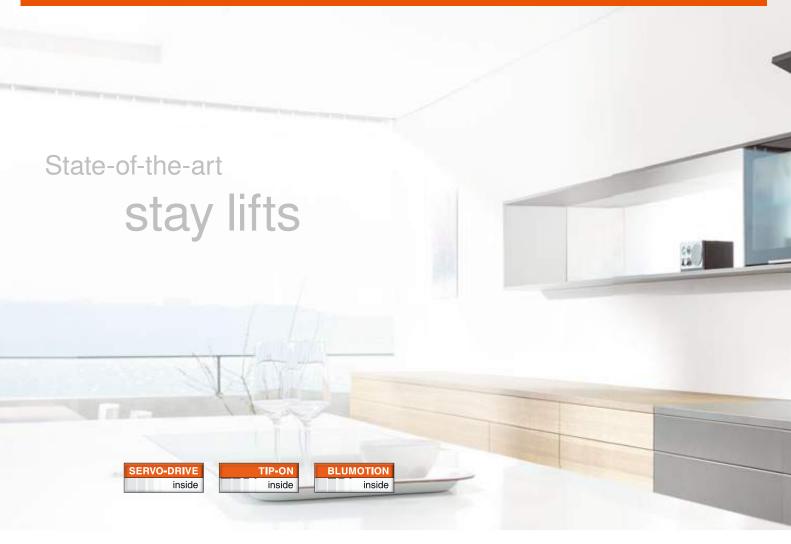






AVENTOS HK





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.







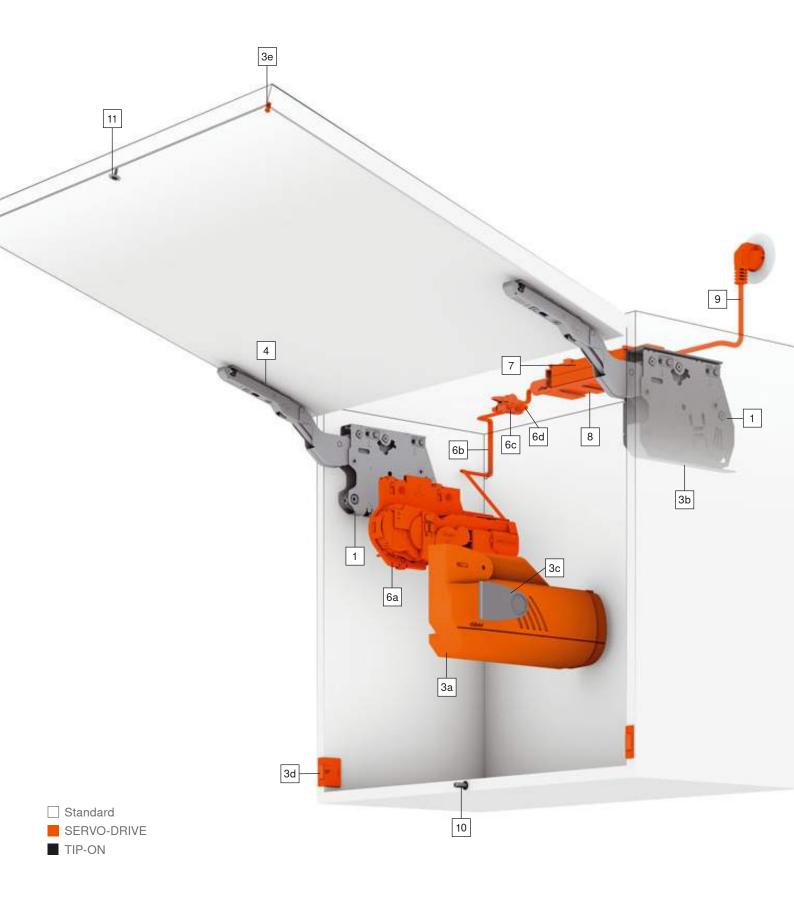
A single touch is all that is needed.

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

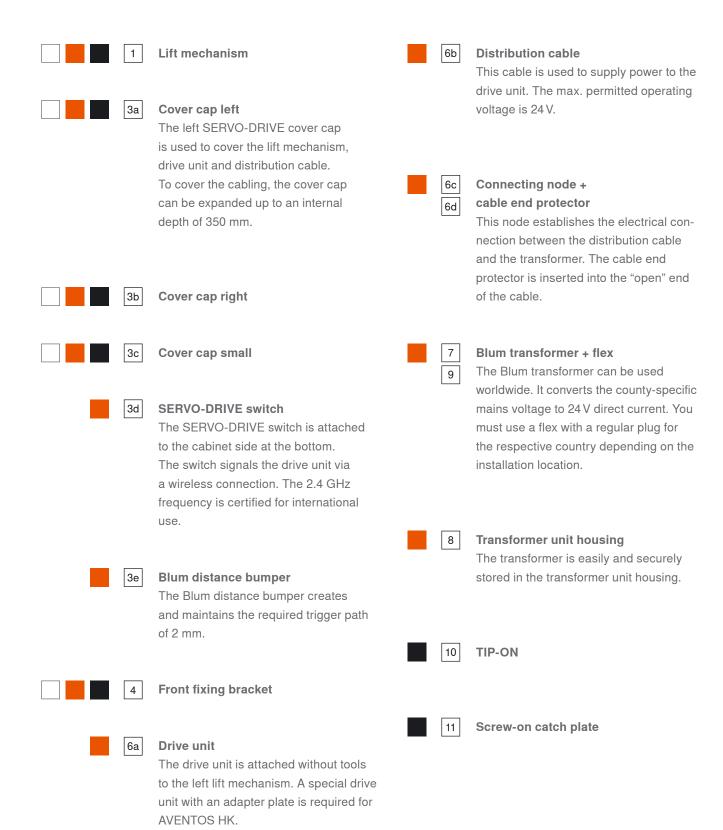


At the heart of this fitting solution is the lift mechanism with BLUMOTION and a robust spring package.

AVENTOS HK

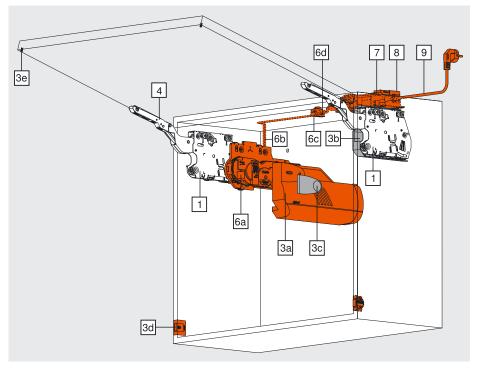








Order information Standard and SERVO-DRIVE for AVENTOS HK



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.

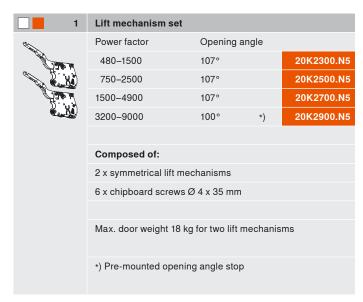
Standard

SERVO-DRIVE

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

Lift mechanism two-sided

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



3	Cover cap set	
	Nylon	
	light grey	20K8000.NA
	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 light grey 21K8000.NA			
	3	Cover cap set for SERVO-DRIVE	
light grey 21K8000.N/		Nylon	
	3-11	light grey	21K8000.NA
	•;•		
Composed of:		Composed of:	
3a 1 x SERVO-DRIVE cover cap large left	3a	1 x SERVO-DRIVE cover cap large left	
3b 1 x cover cap large right	3b	1 x cover cap large right	
3c 2 x cover caps small	3c	2 x cover caps small	
3d 2 x SERVO-DRIVE switches	3d	2 x SERVO-DRIVE switches	
3e 4 x Blum distance bumpers, Ø 5 mm	3e	4 x Blum distance bumpers, Ø 5 mm	

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

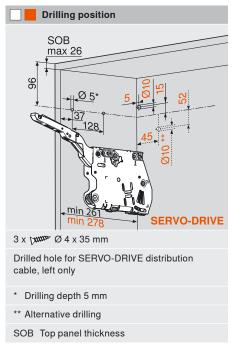
	Composed of:	
6a	1 x drive unit	
6b	1 x distribution cable, 1500 mm	
6c	1 x connecting node	
6d	2 x cable end protectors	
	We recommend two synchronised drive units for a power factor > 9000.	

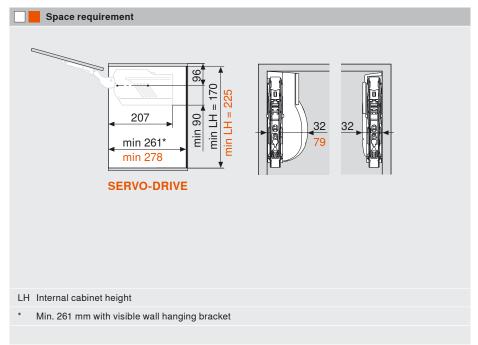
4	Front fixing bracket set	
	Nickel plated	
	Wooden fronts and wide aluminium frames ¹⁾	20S4200
	Narrow alu frames	20S4200A
	Composed of:	
	2 x symmetrical front fixing brackets	
	¹⁾ Use 4 chipboard screws (609.1x00) per side for w Use 4 countersunk self tapping screws (660.0950 wide aluminium frames.	

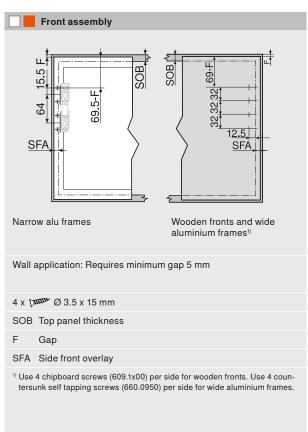
	Opening angle stop			
	Nylon			
	100° Dark grey	2 x	2	0K7041
	75° Dust grey	2 x	2	0K7011
	Bit PZ cross slot			
-	Size 2, length 39 mm			
			BIT-	PZ KS2
7, 8, 9	Blum transformer, flex and transformer unit housing			
			Page	74

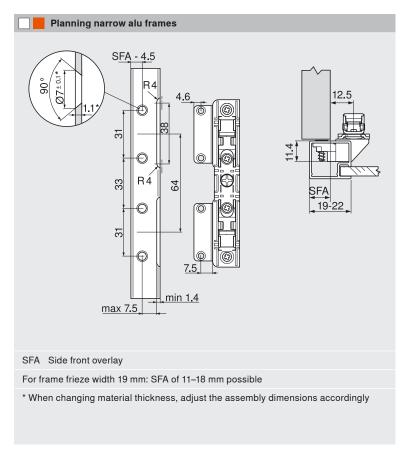


Planning information Standard and SERVO-DRIVE for AVENTOS HK





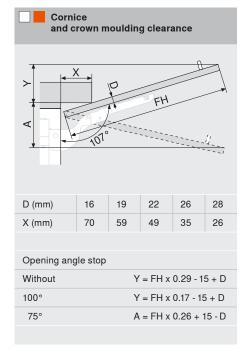


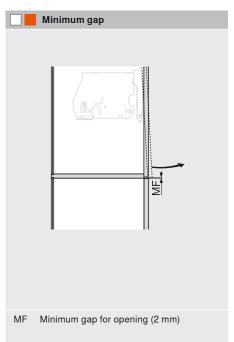


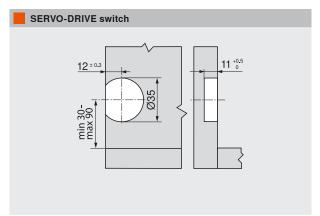
Standard

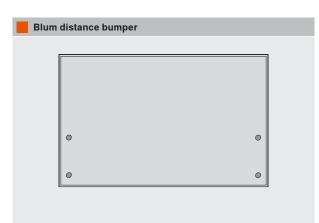
SERVO-DRIVE

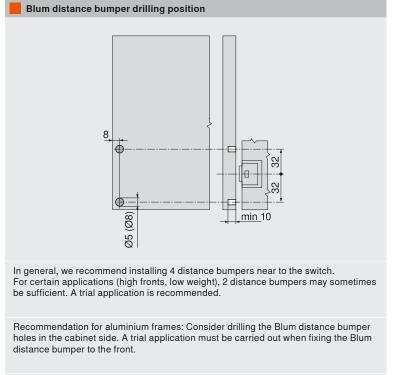






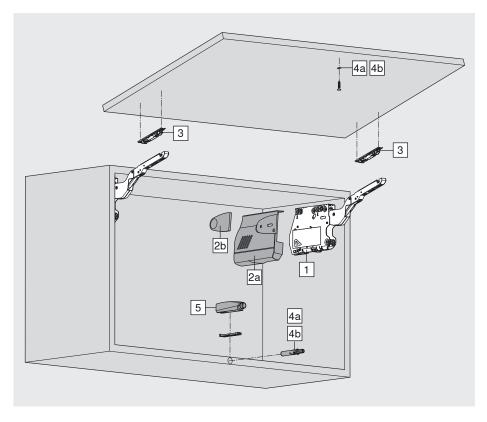






Do not glue Blum distance bumper.

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.

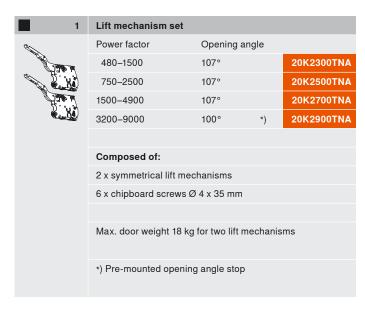
The power factor and the door weight can be increased by 50% when a third lift mechanism is used.

TIP-ON

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

Lift mechanism two-sided LF Power factor

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



2	Cover cap set	
	Nylon	
	light grey	20K8000.NA
	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	





_			
	3	Front fixing bracket set	
		Nickel plated	
	Wooden fronts	20\$4200	
		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 fro Use 4 countersunk self tapping screws (660.0950) wide alu frames.	

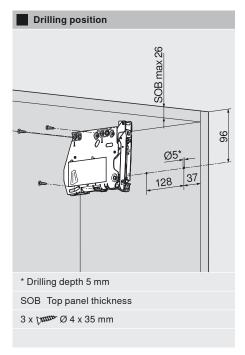
4b	TIP-ON long version set	
	For front heights over 500 mm	
	For drilling Ø 10 x 76 mm	
	RAL 7037 nylon, dust grey	
	With magnet	955A1004
	Output path approx. 38 mm	
	Composed of:	
	1 x TIP-ON	
	1 x screw-on catch plate ³⁾	
	1 x chipboard screw 609.1500	
	³⁾ Note: The glue-on catch plate should not be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

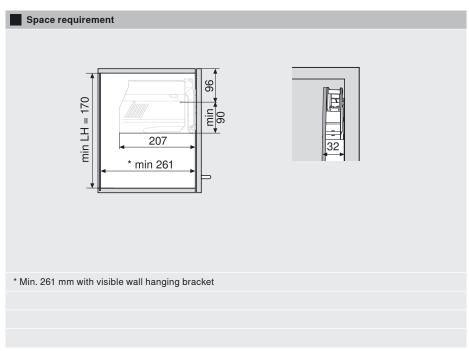
4a	TIP-ON set	
	For fronts up to a height of 500 mm	
	For drilling Ø 10 x 50 mm	
	RAL 7037 nylon, dust grey	
	With magnet	955.1004
	Output path approx. 18 mm	
	Composed of:	
	1 x TIP-ON	
	1 x screw-on catch plate ²⁾	
	1 x chipboard screw 609.1500	
	²⁾ Note: The glue-on catch plate should not be used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

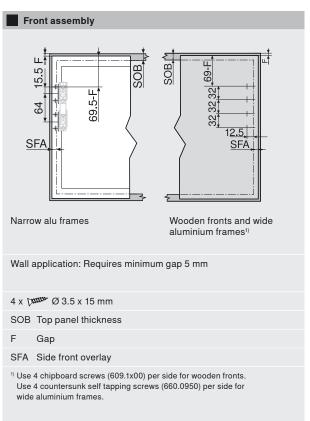
5	Adapter plate	
ch.	Inline adapter plate	
D. Colon	Nylon 7036 platinum grey	955.1201
- 4		
	Cruciform adapter plate	
	Nylon 7036 platinum grey	
	Screws	955.1501
	EXPANDO	955.15E1
	Assembly with Ø 3.5 mm or Ø 4 mm chipboard scre	ws
	Bit PZ cross slot	
	Size 2, length 39 mm	BIT-PZ KS2

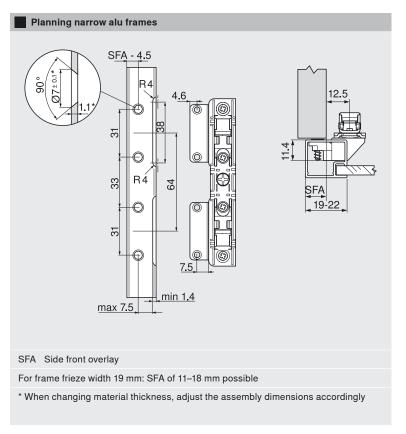


Planning information TIP-ON for AVENTOS HK



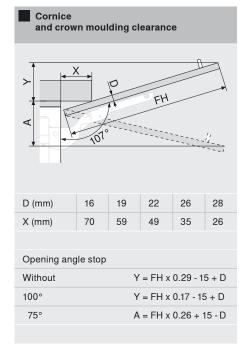


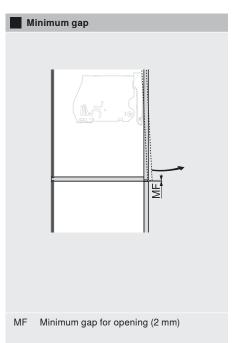




TIP-ON

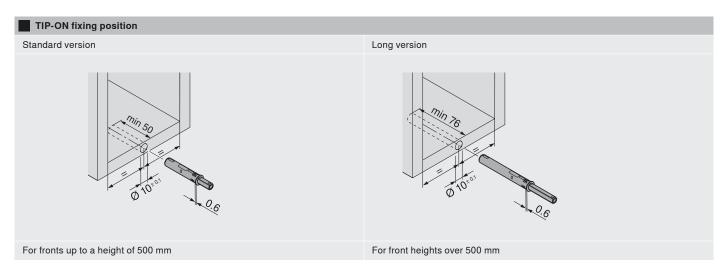


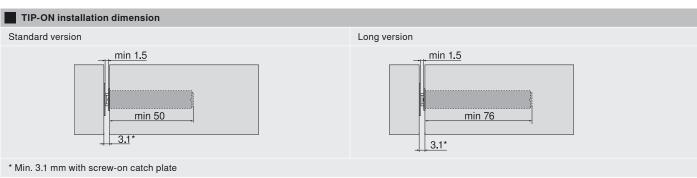


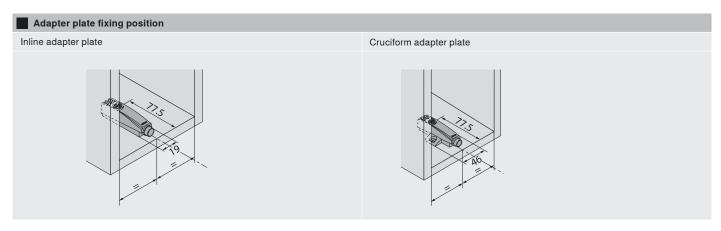


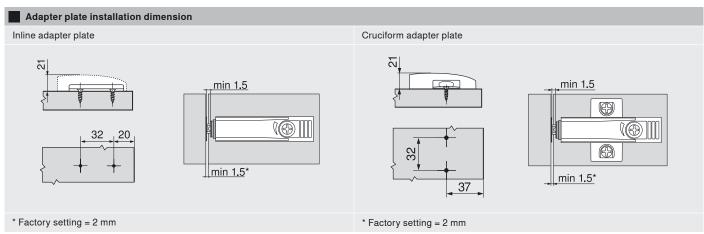


Planning information TIP-ON for AVENTOS HK



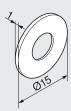


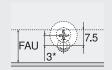


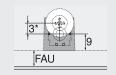


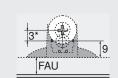


Screw-on catch plate planning









For drilling

Inline adapter plate

Cruciform adapter plate

 * 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



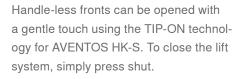


AVENTOS HK-S is the perfect choice for small lift systems in tall cabinets, e.g. above refrigerators. Thanks to its neat and tidy dimensions, the fitting can be perfectly integrated into small pieces of furniture, making the best possible use of the storage space.





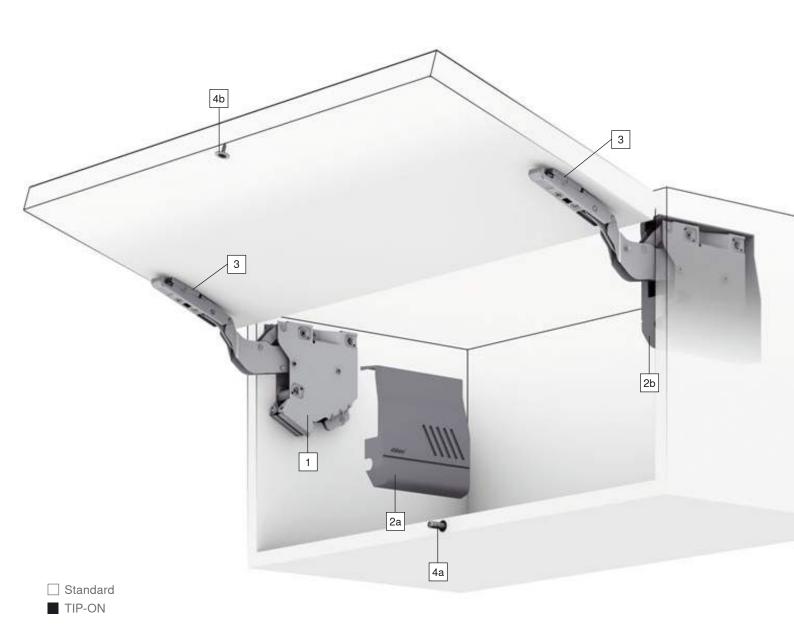






At the heart of this fitting solution is the lift mechanism with BLUMOTION and a robust spring package.

AVENTOS HK-S



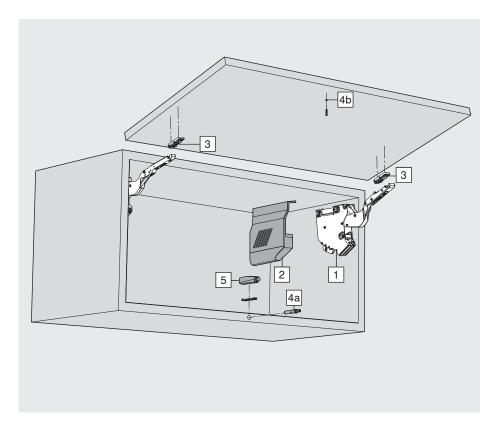


	1 Lift	mechanism
--	--------	-----------

- 2a Cover cap, left
- 2b Cover cap right
- 3 Front fixing bracket
 - 4a TIP-ON
 - 4b Screw-on catch plate



Order information Standard and TIP-ON for 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. Taller cabinets are only permitted in conjunction with the 175H3100 steel front fixing bracket.

Standard

TIP-ON

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

LF 400-1000 LF 400-1000 20K2C00.N1 20K2C00TNA 20K2B00.N1 20K2E00.N1 20K2B00TNA 20K2E00TNA LF 220-500 LF 960-2215 LF 220-500 LF 960-2215 Lift mechanism two-sided Lift mechanism two-sided LF Power factor LF Power factor

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



1	Lift mechanism set		
	Power factor	Spring	
	220-500	Weak	20K2B00TNA
	400–1000	Medium	20K2C00TNA
63 63	960-2215	Strong	20K2E00TNA
	Opening angle	107°	
	Includes:		
	2 x symmetrical lift mecha	anisms	
	2 x cover caps large left/r light grey	ight	
	6 x chipboard screws, Ø	4 x 35 mm	





3	Front fixing bracket		
200	Wooden fronts and wide aluminium frames ¹⁾	2 x	175H3100
	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	
(E)(S)		Narrow alu frames	20K4A00A01
SECURE.			
		Composed of:	
		2 x front fixing brackets left/right	

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

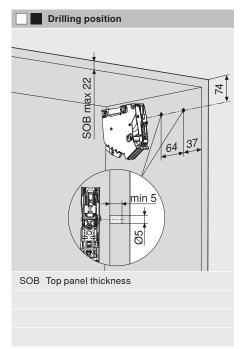
5	Adapter plate	
de.	Inline adapter plate	
D. Co	Nylon 7036 platinum grey	955.1201
	Cruciform adapter plate	
	Nylon 7036 platinum grey	
	Screws	955.1501
	EXPANDO	955.15 E 1
	Assembly with Ø 3.5 mm or Ø 4 mm chipboard scre	≀ws

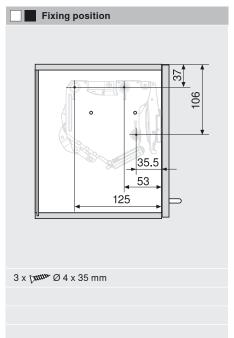
Opening angle stop		
Nylon		
100° Dark grey	2 x	20K7A41
75° Dust grey	2 x	20K7A11
Bit PZ cross slot		

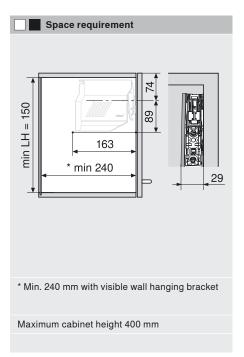
Bit PZ cross slot	
Size 2, length 39 mm	
	BIT-PZ KS2

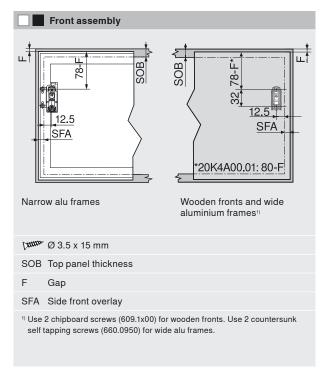


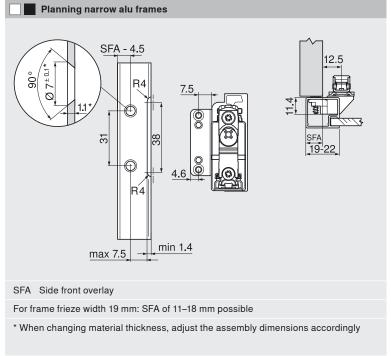
Planning information Standard and TIP-ON for AVENTOS HK-S





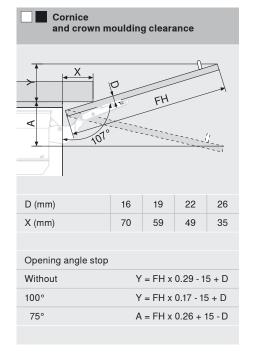


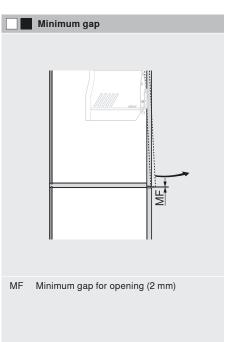




☐ Standard☐ TIP-ON

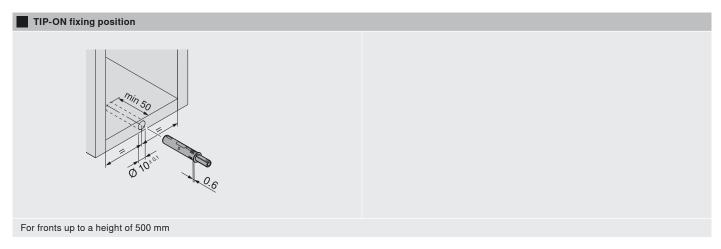


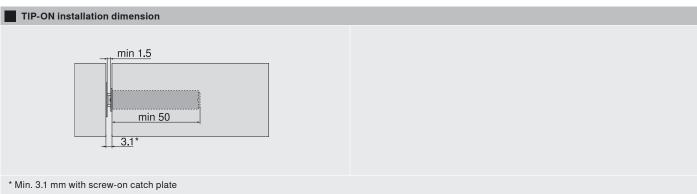


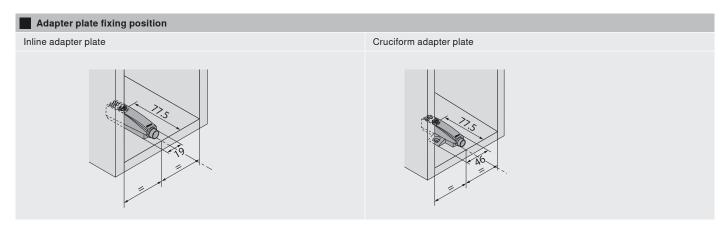


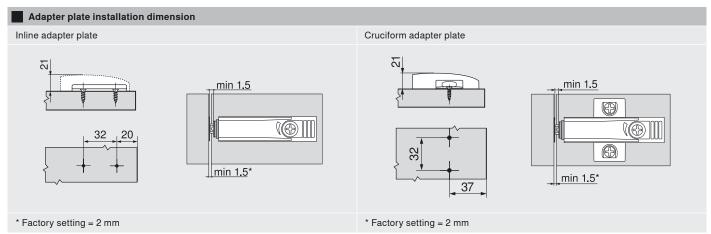


Planning information TIP-ON for AVENTOS HK-S



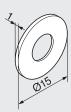


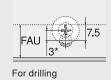


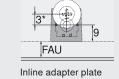


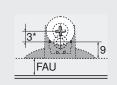


Screw-on catch plate planning









Cruciform adapter plate

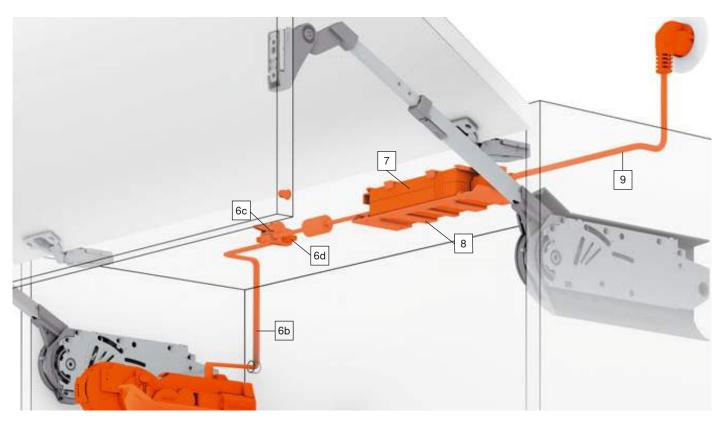
Comment: The glue-on catch plate should not be used in combination with TIP-ON for AVENTOS HK-S

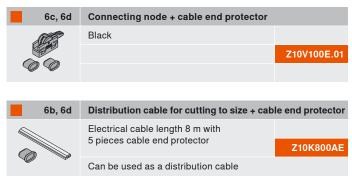
FAU Lower front overlay

TIP-ON

^{*} We recommend offsetting the positioning of TIP-ON by 3 mm for the screw-on catch plate.

Order information Blum transformer and accessories





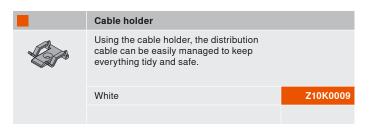
7	Blum transformer	
	72 W	
	Language packages – installation instructions and instruction leaflet	
	G EN, ES, FR, (US, CA)	Z10NE020G

	8	Transformer unit housing for panel fixing	
		White grey	
	9		Z10NG120
•			
	9	Flex	

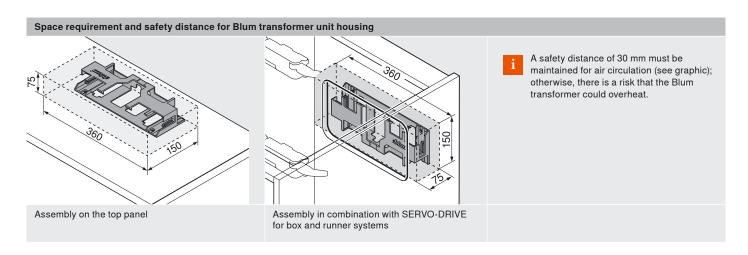
Z10M200U

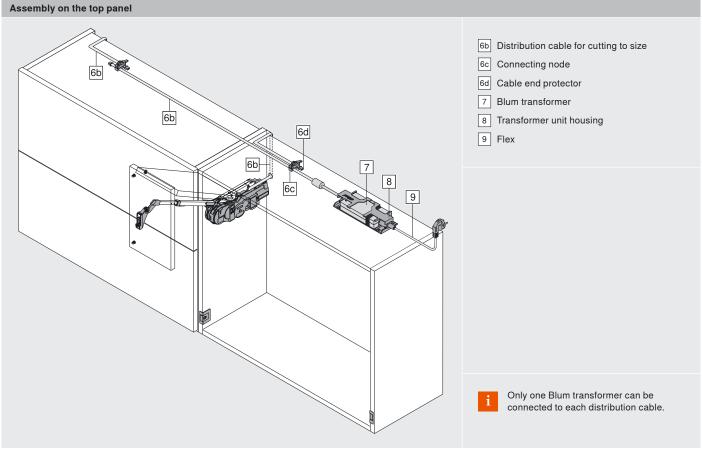
Countries

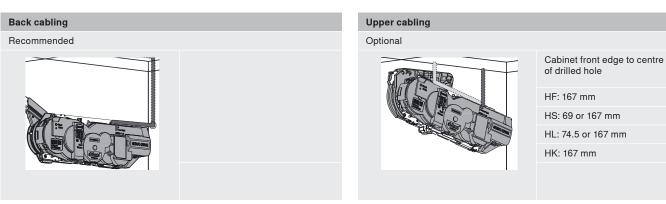
Flex US, CA



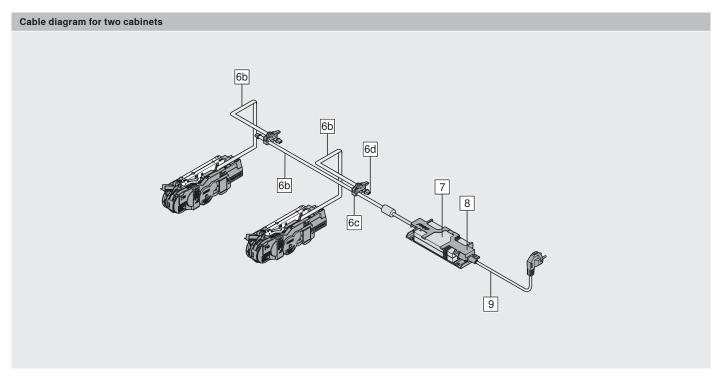
Assembly Blum transformer and accessories

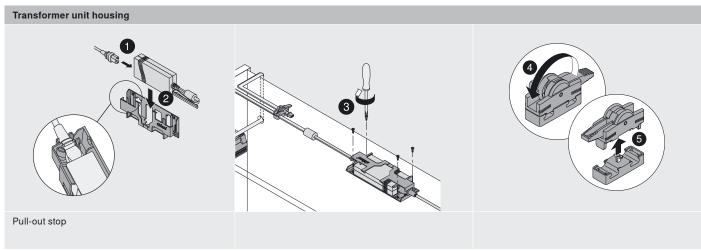


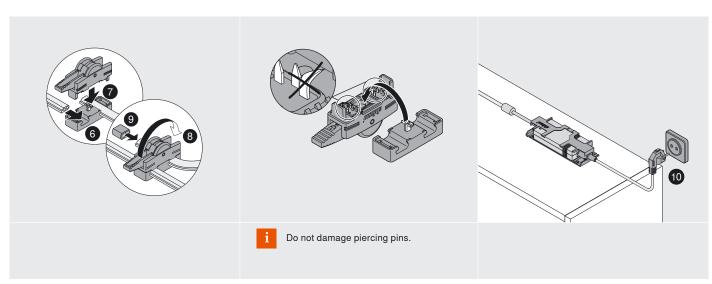




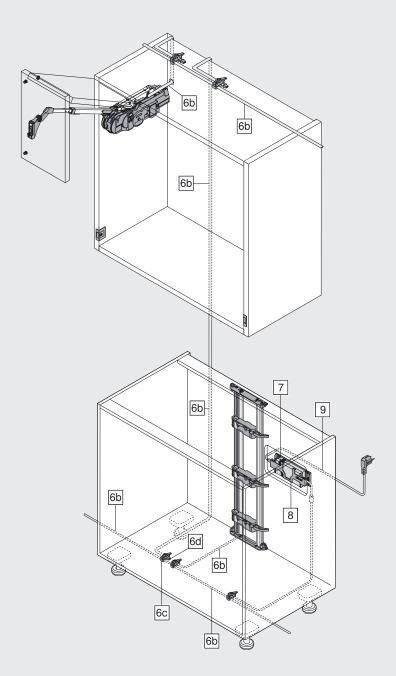
Assembly Blum transformer and accessories







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



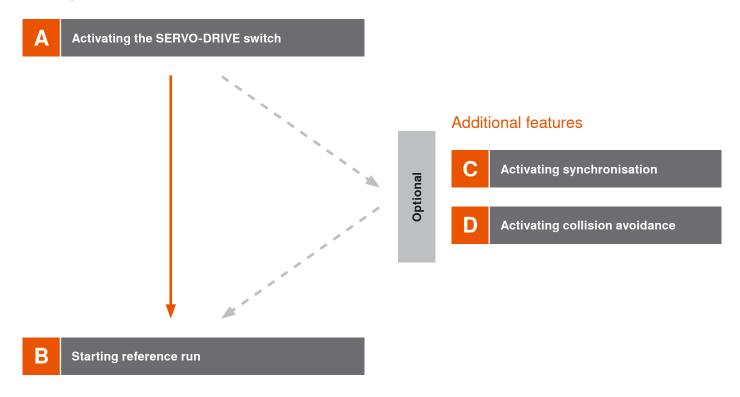
- 6b Distribution cable for cutting to size
- 6c Connecting node
- 6d Cable end protector
- 7 Blum transformer
- 8 Transformer unit housing
- 9 Flex

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



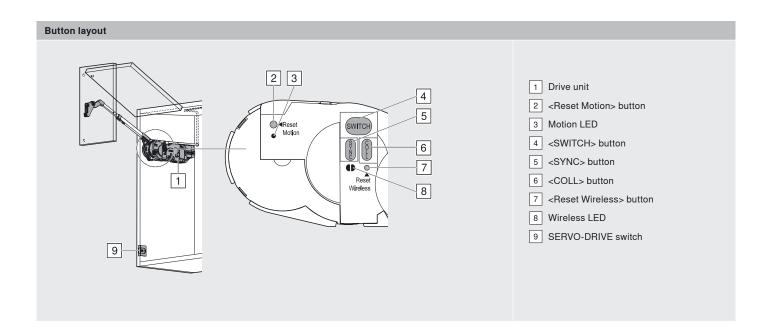
Overview of functions SERVO-DRIVE for AVENTOS

Start-up

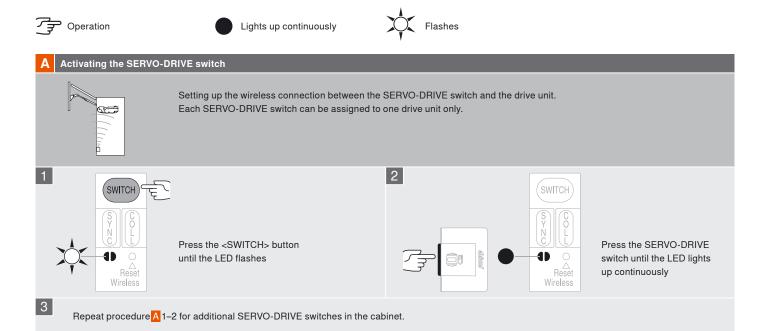


Deactivation



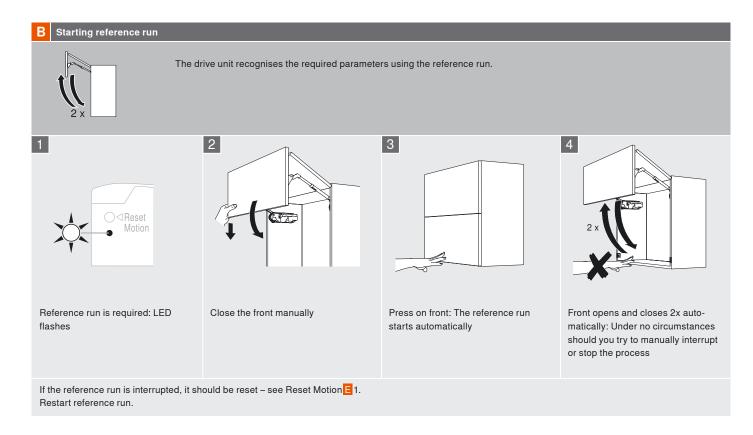


Start-up SERVO-DRIVE for AVENTOS



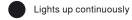
Additional features





Additional features SERVO-DRIVE for AVENTOS



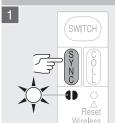




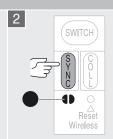
Activating synchronisation



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



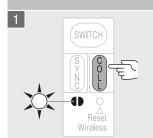
Press <SYNC> on the 2nd drive unit until the LEDs on both synchronised drive units light up continuously

Repeat procedure C 1-2 for all additional drive units.

Activating collision avoidance



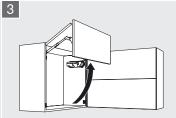
To avoid the collision of fronts, drive units (max. 6) are linked so that only one front can be opened at a time. A front is prevented from opening as long as a linked front remains open.



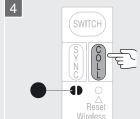
Press the <COLL> button on the 1st drive unit until the LED flashes



Close the front manually



2. Open the front manually



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

Repeat procedure D 1-4 for all additional cabinets.

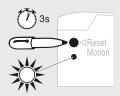
Deactivation SERVO-DRIVE for AVENTOS



E Reset motion

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

1



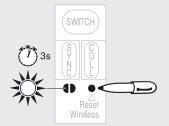
Press the <Reset Motion> button using a pen (at least 3 seconds) until the LED flashes quickly.

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 startBlum produces concealed furniture hinges.

1966



Roller runnersBlum 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.

Top quality

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



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.

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.



Global customer benefits

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

Environment

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



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.



Blum Canada Ltd. 7135 Pacific Circle Mississauga, ON, L5T 2A8

Tel.: 905-670-7920 Fax: 905-670-7929

Long Dist.: 1-800-670-9254 E-mail: info.ca@blum.com

Julius Blum GmbH Furniture Fittings Mfg. 6973 Hoechst, Austria Tel.: +43 5578 705-0

Fax: +43 5578 705-44 E-mail: info@blum.com www.blum.com





