

# Freedom of movement – multitude of options

AVENTOS lift systems deliver top quality motion and ease of use to wall cabinets, thus enhancing the quality of living. Even large and heavy fronts glide up and out of the user's

way, providing full freedom of movement. We are never satisfied with the status quo and that is why we are continually optimising AVENTOS for you and your customers.







# Award-winning design – mesmerising elegance

The AVENTOS range not only excels in terms of functionality. It also boasts a sleek and elegant design. Numerous international prizes bear testimony to its award-winning design.



**Ablum** 

Minimalist cover cap

Impresses with a sleek look

Silk white, light grey, dark grey Select the right colour cover cap to blend stylishly with the furniture



Branding element
Can be customised







red<mark>dot</mark> design award winner 2018







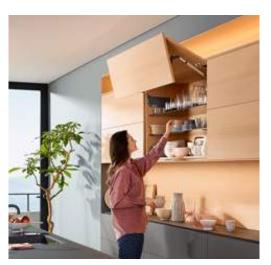
Detailed information on awards at: www.blum.com/award



even more ergonomic?

With lift systems for easy access to contents. Especially in the kitchen. This is how you can design fine furniture with enhanced convenience for your customers and increase the quality of living at the same time. We carry out kitchen surveys worldwide and are continuously expanding our fittings range and improving user convenience to meet customers' needs.





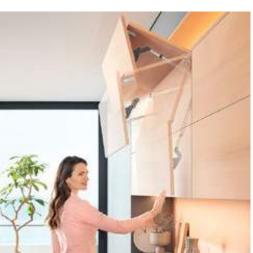
## Freedom of movement

The front lifts up and out of the way. It holds in any position so it can be left open while the kitchen is in use. This makes it easy to access contents at all times.



# Ample storage space

Tall units and wall cabinets with lift systems come in all heights and widths to suit storage space requirements. This also enables customers to align wall cabinet gaps with those of base units.



# **Enhanced ease of use**

Fronts open with a feather-light glide and can be equipped with a mechanical or electrical opening support system to suit customers' wishes. They close softly and effortlessly with BLUMOTION and SERVO-DRIVE with integrated soft close.



Find out more about the four motion technologies by Blum at:

# Delivering enhanced convenience to tall and wall cabinets

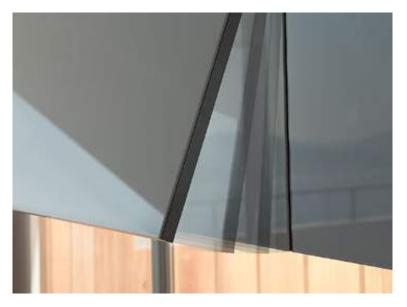
Enhance functionality by equipping wall cabinets with motion technologies. Whether with or without handles, the right motion technology will make it even easier for your customers to open and close tall units and overhead cupboards.



# SERVO-DRIVE by Blum

# Electrical opening and soft close

Thanks to SERVO-DRIVE, fronts open at a single touch. And they close automatically at the press of a switch. With integrated soft close.





## Soft close

BLUMOTION always provides soft and effortless closing for wall cabinet fronts regardless of the weight or closing speed.





# **Mechanical opening**

Wall cabinets open at a single touch, giving users easy access to the opening edge of fronts. To close, simply press shut.



AVENTOS boasts easy, virtually tool-free assembly thanks to tried and tested CLIP technology. The only tool required is a cordless screwdriver for adjusting the lift mechanism precisely to the front weight. 3-dimensional front adjustment guarantees perfect gap alignment.

# **SERVO-DRIVE**

Easy start-up: SERVO-DRIVE for AVENTOS has few components that can be assembled with ease and adjusted with precision. The SERVO-DRIVE drive unit can be clipped onto the lift mechanism and cabled, the wireless switch installed and the system put into operation in next to no time.







# 80,000 x



# **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 is subjected to 80,000 opening and closing cycles in Blum's in-house laboratories.— only then are we satisfied with the quality.



## Long warranty

Everyone who uses Blum products and services should benefit from them. From furniture manufacturers to end users who enjoy Blum fittings year in, year out. We are fully committed to this philosophy and offer a full 5-year warranty on all electrical components used in combination with Blum products.

# Lift systems for more freedom of movement







For bi-fold lift systems

The solution for high wall cabinets with bi-fold fronts and little space needed above the cabinet.



# BLUMOTION SERVO-DRIVE

# AVENTOS HS – For up & over lift systems

The ideal fitting for large, one-part fronts. There is enough space above the cabinet for cornice or crown mouldings.



BLUMOTION	SERVO-DRIVE
by B <b>l</b> um	by B <b>l</b> um

# AVENTOS HL – For lift ups

Suitable for tall units or wall cabinets with cabinets positioned above them.

AVENTOS HL can also solve tricky installation situations, e.g. integration of electrical appliances.



# AVENTOS HK top – For stay lifts

Compact, minimalist and highly functional. Small but strong, it is suitable for both small and large wall cabinets. Opening angle stop and safety mechanism are integrated.





# AVENTOS HK-S – For small stay lifts

The right solution for small wall cabinets with one-part fronts, e.g. above larder units or refrigerators. The compact lift system fits snugly into small cabinets.



BLUMOTION	TIP-ON
by Blum	by Blum

# AVENTOS HK-XS – For small stay lifts

Suitable for many applications (for both tall units and wall cabinets) and needs very little space. The lift system can even be used for cabinets with a shallow internal depth.



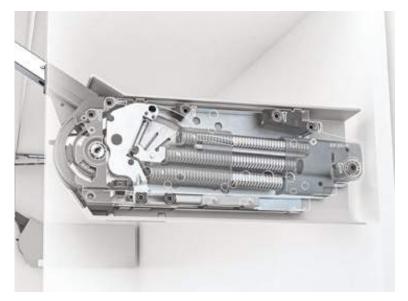


More design freedom

AVENTOS HF allows you to use a combination
of materials for wall cabinet fronts.



Innovative technology with integrated safety features The CLIP top centre hinge prevents fingers getting caught.







The up & over lift system can also be implemented with EXPANDO T, the fixing system for thin fronts, and no changes need be made to the fixing position.



Tailored to your taste

AVENTOS HS also allows wall cabinets to be
decorated with cornice or crown mouldings.



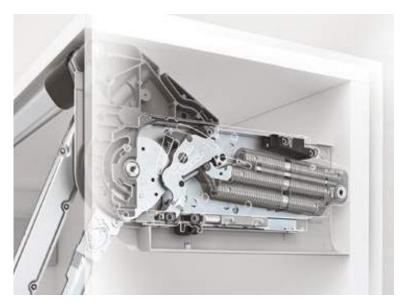




Even large fronts can be opened and closed with ease with the SERVO-DRIVE electrical motion support system.



Simply beautiful AVENTOS HL allows you to conceal electrical appliances behind continuous cabinet fronts.







Lift mechanism with positioning system or pre-mounted system screws? Choose between two types of assembly. The drillings are the same regardless of application and cabinet height.



Colour signals assist you with the SERVO-DRIVE start-up.



The lift system has an integrated opening angle stop. The opening angle is infinitely variable and can be set exactly as required.







Adjust the lift mechanism precisely to the front weight and the small stay lift will stay exactly where you want it to.



Handle-less fronts open with a single touch using TIP-ON for AVENTOS HK-S. To close, simply press shut.







Be it thick wooden fronts, fronts with wide or narrow alu frames, the fixing positions remain the same. This makes it easy to use different materials and front thicknesses.



Thanks to the variable stop, fronts hold in any desired position and are always within easy reach for closing.



The lift mechanism with a durable spring package is the core element of the compact fitting.

AVENTOS HK-XS excels in terms of high stability and long service life. Quality for the lifetime of the furniture.

# The right lift system for any application

	Motion	Typical applications	Front weight*	Possible fronts	Possible cabinet dimensions in mm
HF		Wall cabinet, high, bi-fold fronts		Wooden, wide/narrow alu frame fronts, wood-glass combinations, asymmetrical fronts, mitred and rebated applications	Height 480–1040 Width up to 1800
HS		Wall cabinet (if space), large, one-part fronts, with cornice and crown mouldings		Thin fronts, wooden, wide/narrow alu frame fronts, mitred and rebated applications	Height 350-800 Width up to 1800
HL		Wall cabinet, tall cabinet (if space) within reaching height, used to conceal appli- ances, cabinets can be positioned above		Thin fronts, wooden, wide/narrow alu frame fronts, mitred and rebated applications	Height 300-580 Width up to 1800
HK top		Wall cabinet, tall cabinet, above fridge, larder unit, oven		Thin fronts, wooden, wide/narrow alu frame fronts, mitred and rebated applications	Height 205–600 Width up to 1800
HK-S		Wall cabinet, tall cabinet, above fridge, larder unit, oven	ň	Wooden, wide/narrow alu frame fronts	Height 180–600 Width up to 1800
HK-XS		Wall cabinet, tall cabinet, above fridge, larder unit, oven, extractor, bath	On both sides	Wooden, wide/narrow alu frame fronts	Height 240–600 Width up to 1800





\* You use the front weight and cabinet height to calculate the power factor of the lift mechanism. We would be happy to assist you with your product selection at www.blum.com/configurator

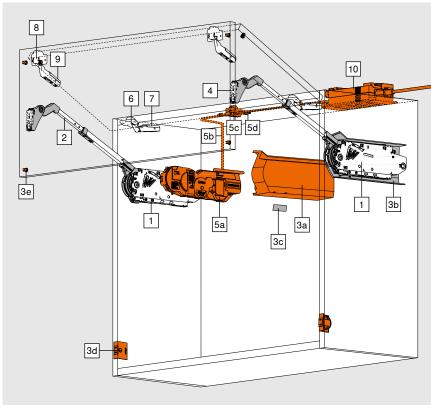




Mitred and rebated applications for AVENTOS HF, HS, HL, HK top www.blum.com/1H6LFu

Internal minimum depth in mm	Complete fitting or with hinges	Special installation or assembly	Available motion technology	Cover cap
278	Hinges on cabinet top panel required + connection of fronts	CLIP assembly Cabinet top panel assembly 3 lift mechanism types (symmetrical) 4 telescopic arms (symmetrical)	BLUMOTION by Blum SERVO-DRIVE by Blum	Silk white Light grey Dark grey
276	No hinges required	CLIP assembly Cross stabilisation 9 lift mechanism types (symmetrical) 1 lever arm set	BLUMOTION by Blum SERVO-DRIVE by Blum	Silk white Light grey Dark grey
278	No hinges required	CLIP assembly Cross stabilisation 5 lift mechanism types (symmetrical) 4 lever arm sets	BLUMOTION by Blum SERVO-DRIVE by Blum	Silk white Light grey Dark grey
187	No hinges required	CLIP assembly 4 lift mechanism types (symmetrical) Lift mechanism adjustment from the front Integrated safety mechanism and opening angle stop	BLUMOTION by Blum SERVO-DRIVE by Blum TIP-ON by Blum	Silk white Light grey Dark grey
163	No hinges required	CLIP assembly 3 lift mechanism types (symmetrical)	BLUMOTION by Blum TIP-ON by Blum	Silk white Light grey Dark grey
125 (Special solution with 100 mm possible)	Hinges on cabinet top panel required	CLIP assembly Cabinet top panel assembly 3 lift mechanism types (symmetrical)	BLUMOTION by Blum TIP-ON by Blum	





- Ideal for high wall cabinets with two-part fronts
- Cabinet height 480-1040 mm
- Cabinet width up to 1800 mm
- Soft and effortless closing thanks to BLUMOTION
- Light operating forces
- Variable stop
- Tool-free assembly
- 3-dimensional adjustment of both fronts
- Simple, infinitely variable lift mechanism adjustment
- Centre hinge with finger safety feature

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

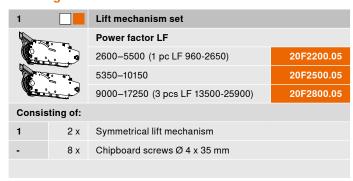


Standard

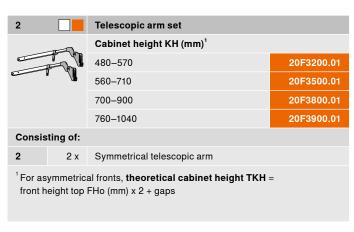
SERVO-DRIVE

We recommend the more powerful lift mechanism for applications in overlapping ranges.

## **Ordering information**



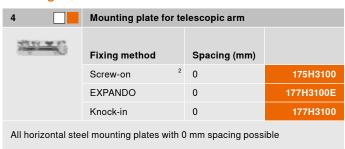
3		Cover cap set			
7		Colour	Material		
		HGR, SW, TGR	Nylon	20F8020	
Consis	ting of:				
-	1 x	Cover cap left			
3b	1 x	Cover cap right			
3c	2 x	Branding element, embossed with Blum logo			
		IN-G			



3		Cover cap set for SERVO-DRIVE			
		Colour	Material		
		HGR, SW, TGR	Nylon	21F8020	
Consis	Consisting of:				
3a	1 x	SERVO-DRIVE cover cap left			
3b	1 x	Cover cap right			
3c	2 x	Branding element, embossed with Blum logo			
		IN-G			
3d	2 x	SERVO-DRIVE switch			
3e	6 x	Blum distance bumper	Ø 5 mm		



# **Ordering information**



7	Mounting plate for CLIP top 120° hinge				
mal.	Fixing method	Spacing (mm)			
	Screw-on <sup>2</sup>	0	175H3100		
	EXPANDO	0	177H3100E		
	Knock-in	0	177H3100		
Standard mounti	Standard mounting plates, spacing depends on the upper front overlay				

5		SERVO-DRIVE set				
		Colour	Material			
		R7037	Nylon	21FA000		
Consis	Consisting of:					
5a	1 x	Drive unit				
5b	1 x	Distribution cable, 1500 mm				
5c	1 x	Connecting node				
5d	2 x	Cable end protector				
We recommend using two synchronised drive units for three lift mechanisms or more						

5a	1 x	Drive unit					
5b	1 x	Distribution cable, 1500 mm					
5c	1 x	Connecting node					
5d	2 x	Cable end protector					
	We recommend using two synchronised drive units for three lift mechanisms or more						
6	6 CLIP top 120° hinge						
		Boss	Spring				

6	CLIP top 120° hinge			
	Boss	Spring		
	INSERTA	Unsprung	70T5590BTL	
	Screw-on <sup>2</sup>	Unsprung	70T5550.TL	
Boss overlay TO (fixed dimension) 11 mm				
boss overlay 10	(lixed dimension)		11 mm	
•	at cabinet width KB 120	0 mm and/or 12 kg		

8	CLIP top centre hinge				
4	Boss	Spring			
	EXPANDO	Unsprung	78Z553ET		
	Screw-on 2	Unsprung	78Z5500T		
3 hinges starting at cabinet width KB 1200 mm and/or 12 kg front weight					
4 hinges for cabinet width KB 1800 mm and/or starting at 20 kg front weight					
o 🗆	Mounting plate for Cl	ID ton centre hin	no.		

	31	•	•	
Spiral)	Fixing method	Spacing (mm)		
	Screw-on <sup>2</sup>	0	175H3100	
	EXPANDO	0	177H3100E	
	Knock-in	0	177H3100	
Standard mounti	ng plates with 0 mm spa	cing		
Only use cruciform mounting plates for wide alu frames under a 57 mm frame width				
10	Diam turn of a man and			

10	Blum transformer and accessories
	See page 70

### Alternative

6	CLIP top 120° special hinge for larger front overlay						
40	Boss	Spring					
	INSERTA	Unsprung	72T5590BTL				
	Screw-on 2	Unsprung	72T5550.TL				
Boss overlay TO	Boss overlay TO (fixed dimension) 13 mm						
3 hinges starting at cabinet width KB 1200 mm and/or 12 kg front weight							
4 hinges for cabinet width KB 1800 mm and/or starting at 20 kg front weight							

 $<sup>^{\</sup>rm 2}$  Use 2 chipboard screws (609.1x00) per side for wooden fronts. Use 2 counter sunk self tapping screws (660.0950) per side for wide alu frames.

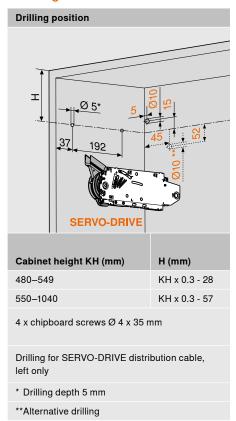
# Accessories

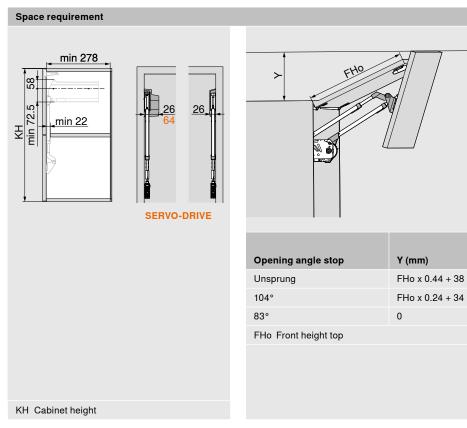
-	Opening angle stop				
	Opening angle	Colour			
	104°	TGR	20F7051		
	83°	R7037	20F7011		

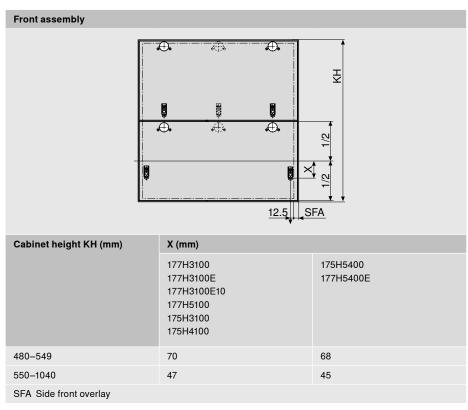
Colour	Colour				
HGR	Light grey				
SW	Silk white				
TGR	Dark grey				
R7037	RAL 7037 dust grey				
IN-G	In-mould brushed stainless steel				



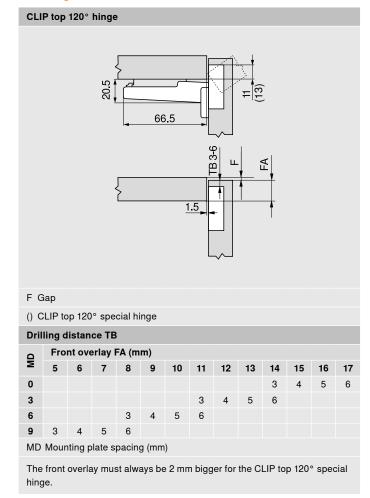
# **Planning**

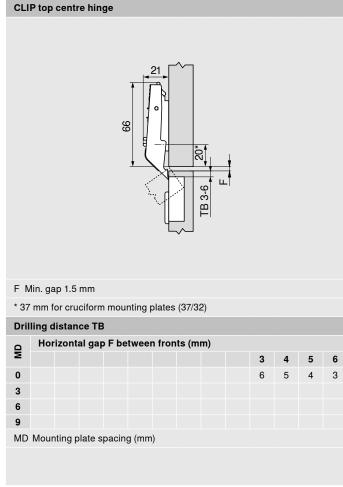


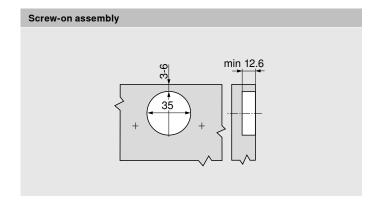


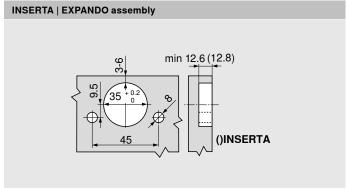


# **Planning**



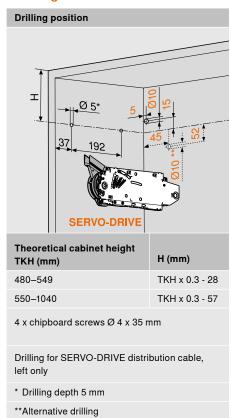


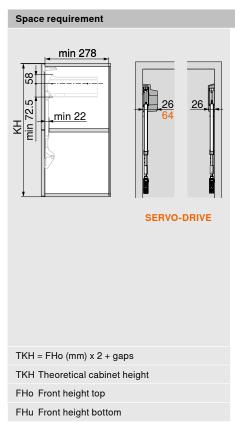


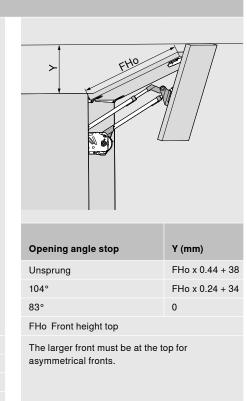


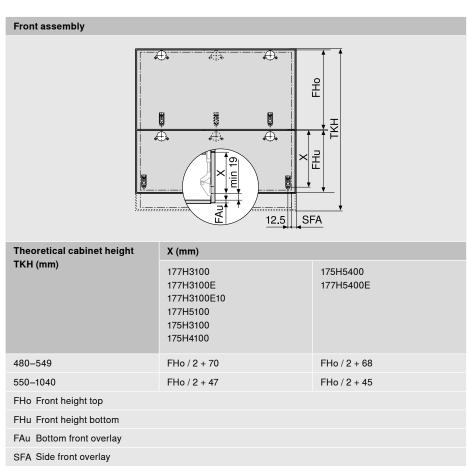


# **Planning**

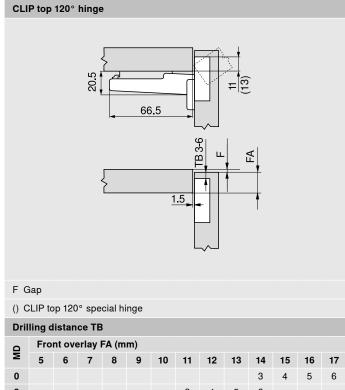








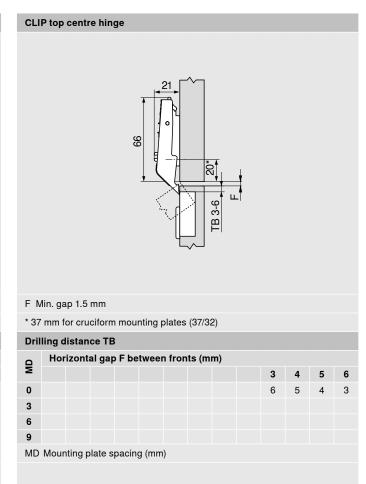
# **Planning**

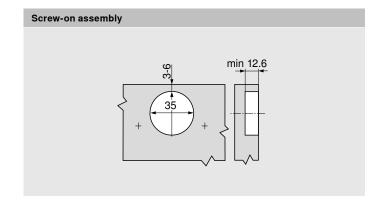


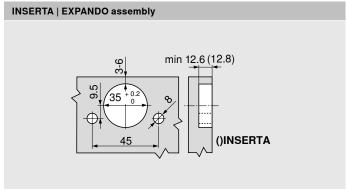
Dill	Drining distance 1D												
MD	Front overlay FA (mm)												
Σ	5	6	7	8	9	10	11	12	13	14	15	16	17
0										3	4	5	6
3							3	4	5	6			
6				3	4	5	6						
9	3	4	5	6									

MD Mounting plate spacing (mm)

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

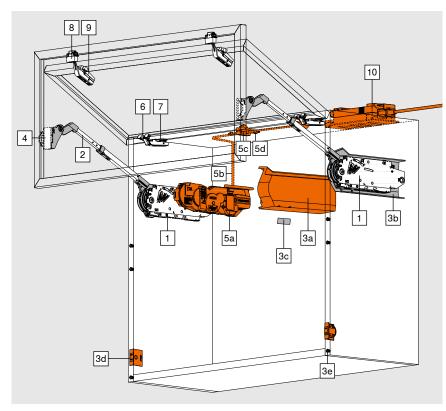








## Narrow alu frames



- Ideal for high wall cabinets with two-part fronts
- Cabinet height 480-1040 mm
- Cabinet width up to 1800 mm
- Soft and effortless closing thanks to BLUMOTION
- Light operating forces
- Variable stop
- Tool-free assembly
- 3-dimensional adjustment of both fronts
- Simple, infinitely variable lift mechanism adjustment
- Centre hinge with finger safety feature

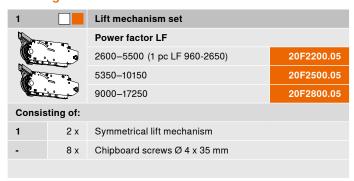
The larger front must be at the top for asymmetrical fronts.



☐ Standard
■ SERVO-DRIVE

We recommend the more powerful lift mechanism for applications in overlapping ranges.

## **Ordering information**



3		Cover cap set					
7	_	Colour	Material				
		HGR, SW, TGR	Nylon	20F8020			
Consis	ting of:						
-	1 x	Cover cap left					
3b	1 x	Cover cap right					
3c	2 x	Branding element, embossed with Blum logo					
		IN-G					

2		Telescopic arm set					
		Cabinet height KH (mm) <sup>1</sup>					
6		480-570	20F3200.01				
هنست	4	560–710	20F3500.01				
		700–900	20F3800.01				
		760–1040	20F3900.01				
Consis	sting of:						
2	2 x	Symmetrical telescopic arm					
<sup>1</sup> For asymmetrical fronts, <b>theoretical cabinet height TKH</b> = front height top FHo (mm) x 2 + gaps							

3		Cover cap set for SERVO-DRIVE					
		Colour	olour Material				
		HGR, SW, TGR Nylon		21F8020			
Consis	ting of:						
3a	1 x	SERVO-DRIVE cover	SERVO-DRIVE cover cap left				
3b	1 x	Cover cap right	Cover cap right				
3c	2 x Branding element, embossed with Blum logo						
		IN-G					
3d	2 x	SERVO-DRIVE switch					
3e	6 x	Blum distance bumper Ø 5 mm					



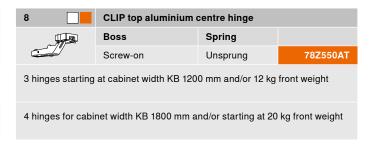
#### Narrow alu frames

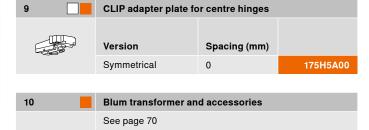
## **Ordering information**



6	CLIP top 120° aluminium frame door hinge					
	Boss	Spring				
	Screw-on	Unsprung	72T550A.TL			
3 hinges starting at cabinet width KB 1200 mm and/or 12 kg front weight						
4 hinges for cabinet width KB 1800 mm and/or starting at 20 kg front weight						

7	Mounting plate for CLIP top 120° hinge				
specific	Fixing method	Spacing (mm)			
	Screw-on	0	175H3100		
	EXPANDO	0	177H3100E		
	Knock-in	0	177H3100		
Standard mounting plates, spacing depends on the top gap					





#### Accessories

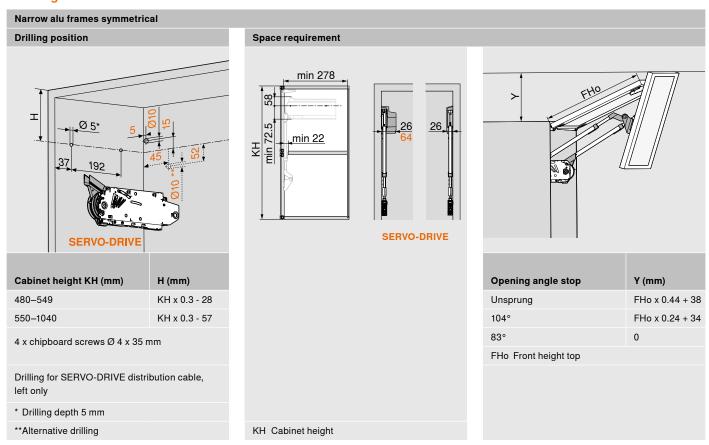
-	Opening angle stop			
	Opening angle	Colour		
	104°	TGR	20F7051	
	83°	R7037	20F7011	

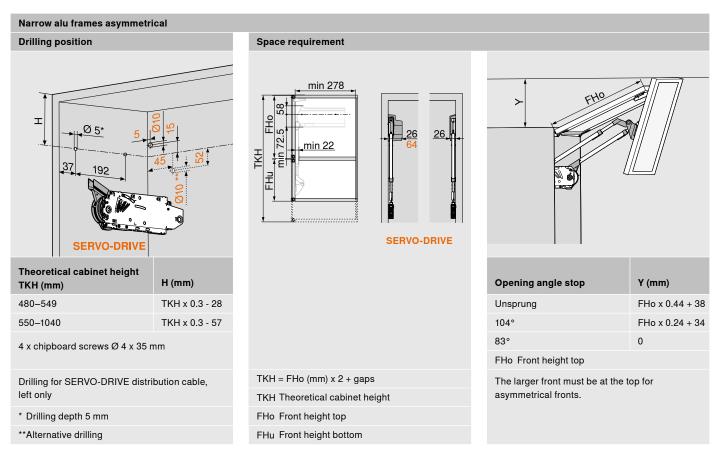
Colour	
HGR	Light grey
SW	Silk white
TGR	Dark grey
R7037	RAL 7037 dust grey
IN-G	In-mould brushed stainless steel



#### Narrow alu frames symmetrical/asymmetrical

#### **Planning**

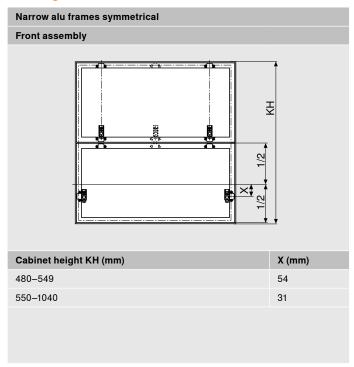


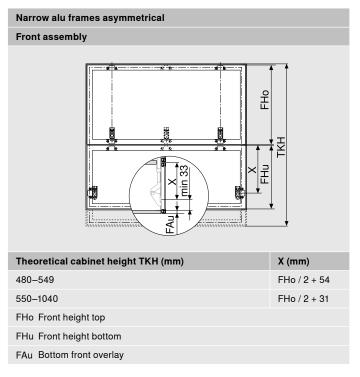


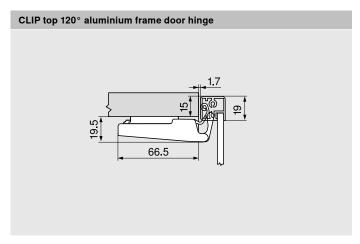


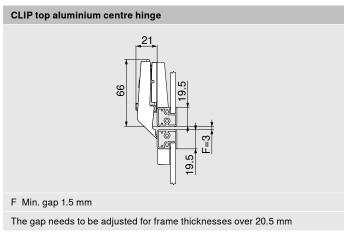
#### Narrow alu frames symmetrical/asymmetrical

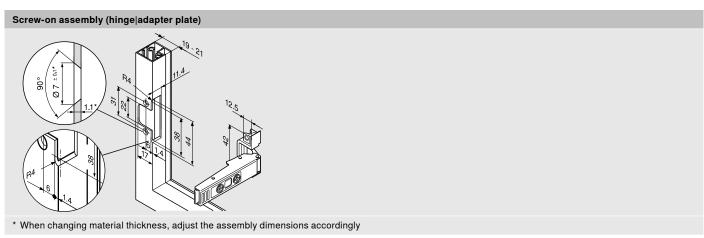
#### **Planning**



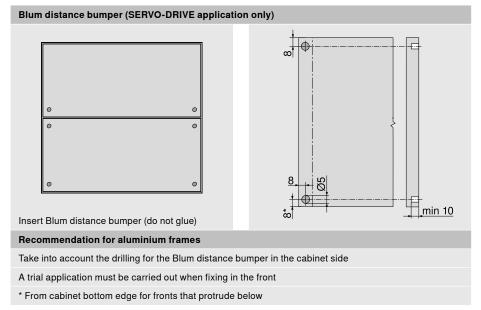


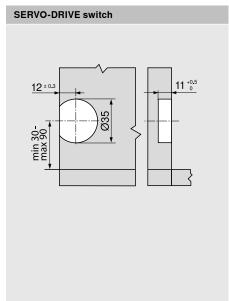












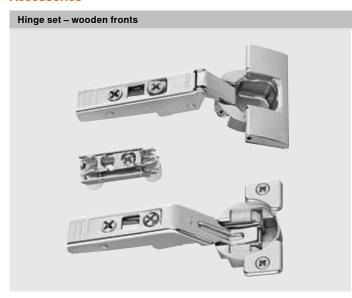
## **Assembly and adjustment**



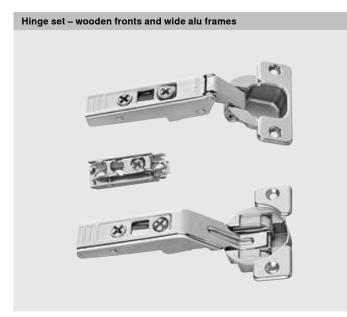
Information on assembly and adjustment

www.blum.com/aventos-hf-assembly

## Accessories



Orderin	ng information	
Fixing	method	
INSERT	A   Knock-in   EXPANDO	ক 78Z5530T11
Consis	ting of:	
2x	CLIP top 120° hinge unsprung	
	70T5590BTL	
2 x	CLIP top centre hinge unsprung	
	78Z5530T	
6 x	Horizontal cam mounting plate	
	177H3100	

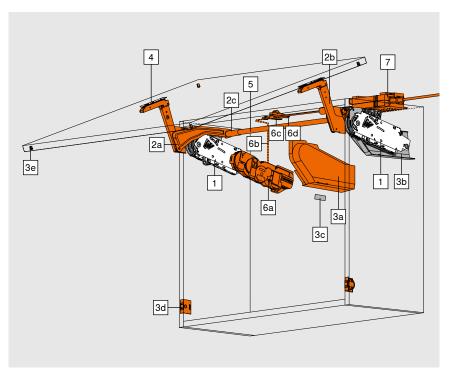


Orderii	ng information
Fixing	method
Screw-	on <sup>1</sup> 78Z5500T12
Consis	sting of:
2x	CLIP top 120° hinge unsprung
	70T5550.TL
2 x	CLIP top centre hinge unsprung
	78Z5500T
6 x	Horizontal cam mounting plate
	175H3100
	hipboard screws (609.1x00) for wooden fronts. Use counter sunk selfing screws (660.0950) for wide alu frames.
	le alu frames, an additional cruciform mounting plate is required for the op centre hinge



Orderi	ng information			
Fixing method				
Screw-	on 278Z550AT11			
Consis	sting of:			
2x	CLIP top 120° aluminium frame door hinge unsprung			
	72T550A.TL			
2 x	CLIP top aluminium centre hinge unsprung			
	78Z550AT			
2 x	Horizontal cam mounting plate			
	175H5400			
2 x	CLIP adapter plate symmetric			
	175H5A00			
2 x	CLIP adapter plate left/right			
	175H5B00			





- Ideal for large, one-part fronts
- Cabinet height 350-800 mm
- Cabinet width up to 1800 mm
- Soft and effortless closing thanks to BLUMOTION
- Light operating forces
- Balanced, top quality motion with a variable stop
- Tool-free assembly
- 3-dimensional front adjustment
- Simple, infinitely variable lift mechanism adjustment

☐ Standard

SERVO-DRIVE

# **Ordering information**

1		Lift mechanis	sm set								
	Cabinet	height KH 350-	-525 mm		Cabinet	height KH 526	-675 mm		Cabinet height KH 676-800		800 mm
KH nm)	20S2A00.05	20S2B00.05	20S2C00.05	KH (mm)	20S2D00.05	20S2E00.05	20S2F00.05	KH (mm)	20S2G00.05	20S2H00.05	20\$2100.0
,	Weight o	of front incl. ha	ndle (kg)	(,	Weight	of front incl. ha	ndle (kg)	(,	Weight	of front incl. hai	ndle (kg)
350	2.00-5.00	4.50-9.50	9.25-10.50	526	3.00-6.75	6.25-13.00	12.00-16.50	676	3.50-8.00	7.00-13.50	13.00-21.50
355	2.00-4.75	4.50-9.50	9.25-10.50	530	3.00-6.75	6.25-12.75	11.75-16.75	680	3.50-8.00	7.00-13.50	13.00-21.50
60	2.00-4.75	4.50-9.50	9.25-10.75	535	3.00-6.75	6.25–12.75	11.75–16.75	685	3.50-8.00	7.00-13.25	12.75-21.50
365	2.00-4.75	4.50-9.25	9.00-11.00	540	3.00-6.50	6.00-12.75	11.75–17.00	690	3.50-7.75	6.75–13.25	12.75-21.50
370	2.00-4.75	4.50-9.25	9.00-11.00	545	3.00-6.50	6.00-12.50	11.50–17.25	695	3.50-7.75	6.75–13.25	12.50-21.50
375	2.00-4.75	4.50-9.25	9.00-11.25	550	3.00-6.50	6.00-12.50	11.50-17.25	700	3.50-7.75	6.75–13.25	12.50-21.50
380	2.00-4.75	4.50-9.25	9.00-11.25	555	3.00-6.50	6.00-12.50	11.50-17.50	705	3.50-7.75	6.75–13.25	12.25-21.50
385	2.00-4.75	4.50-9.25	9.00-11.50	560	3.00-6.50	6.00-12.25	11.25–17.50	710	3.50-7.75	6.75–13.25	12.25-21.25
390	2.00-4.75	4.50-9.00	8.75–11.50	565	3.00-6.25	5.75-12.25	11.25–17.75	715	3.50-7.50	6.75–13.00	12.00-21.25
395	2.00-4.75	4.50-9.00	8.75–11.75	570	3.00-6.25	5.75–12.25	11.25–17.75	720	3.50-7.50	6.75–13.00	12.00-21.25
100	2.00-4.75	4.25-9.00	8.75–12.00	575	3.00-6.25	5.75–12.00	11.00-18.00	725	3.50-7.50	6.75–13.00	12.00-21.00
105	2.25-4.50	4.25-9.00	8.75–12.00	580	3.00-6.25	5.75–12.00	11.00-18.00	730	3.50-7.50	6.75–13.00	11.75-21.00
410	2.25-4.50	4.25-9.00	8.75–12.25	585	3.00-6.25	5.75–12.00	10.75–18.25	735	3.50-7.50	6.50-13.00	11.75–20.75
415	2.25-4.50	4.25-8.75	8.50-12.50	590	3.00-6.00	5.50-12.00	10.75–18.25	740	3.50-7.25	6.50-12.75	11.75–20.75
120	2.25-4.50	4.25-8.75	8.50-12.50	595	3.00-6.00	5.50-11.75	10.50-18.50	745	3.50-7.25	6.50-12.75	11.50-20.50
125	2.25-4.50	4.25-8.75	8.50-12.75	600	3.00-6.00	5.50-11.75	10.50-18.50	750	3.50-7.25	6.50-12.75	11.50-20.50
130	2.25-4.50	4.25-8.75	8.50–12.75	605	3.00-6.00	5.50-11.75	10.50-18.50	755	3.75–7.25	6.50-12.75	11.25-20.50
135	2.25-4.50	4.25-8.75	8.50-13.00	610	3.00-6.00	5.50-11.75	10.50-18.50	760	3.75–7.25	6.50-12.75	11.25-20.30
140	2.25-4.50	4.25-8.50	8.25-13.00	615	3.00-5.75	5.50-11.50	10.35-18.35	765	3.75–7.25	6.50-12.50	11.25-20.25
145	2.25-4.50	4.25-8.50	8.25–13.25	620	3.00-5.75	5.50-11.50	10.25-18.75	770	3.75–7.25	6.25–12.50	11.00-20.25
				625							
450 455	2.25-4.25	4.00-8.50	8.25-13.50		3.00-5.75	5.50-11.50	10.25-18.75	775	3.75-7.00	6.25–12.50	11.00-20.25
455	2.25-4.25	4.00-8.50	8.25-13.50	630	3.00-5.75	5.50-11.50	10.25-18.75	780	4.00-7.00	6.25–12.50	10.75-20.25
160	2.25-4.25	4.00-8.25	8.00–13.75	635	3.00-5.50	5.25-11.50	10.25-18.75	785	4.00-7.00	6.25-12.50	10.75-20.00
465	2.25-4.25	4.00-8.25	8.00-13.75	640	3.00-5.50	5.25-11.25	10.00-18.75	790	4.00-7.00	6.00-12.25	10.75-20.00
470	2.50-4.25	4.00-8.25	8.00–14.00	645	3.00-5.50	5.25-11.25	10.00-18.75	795	4.00-7.00	6.00-12.25	10.50-20.00
175	2.50-4.25	3.75-8.00	7.75–14.00	650	3.00-5.50	5.25-11.25	10.00-19.00	800	4.00-7.00	6.00-12.25	10.50-20.00
480	2.50-4.25	3.75-8.00	7.75–14.25	655	3.00-5.50	5.25-11.25	10.00-19.00	Exam	nla		
485	2.50-4.25	3.75-8.00	7.75–14.25	660	3.00-5.50	5.25-11.25	10.00-19.00		et height KH = 600	) mm	
190	2.50-4.25	3.75-8.00	7.75–14.50	665	3.00-5.25	5.00-11.00	09.75–19.00		t of front = 10 kg	7 111111	
495	2.50-4.25	3.75–7.75	7.50–14.50	670	3.00-5.25	5.00-11.00	09.75–19.00		echanism selection	n = 2082E00.05	
500	2.50-4.25	3.50-7.75	7.50–14.75	675	3.00-5.25	5.00-11.00	09.75–19.00		et height KH = 602		
505	2.50-4.00	3.50-7.75	7.50–14.75						et height KH = 602		
510	2.50-4.00	3.50-7.75	7.50–14.75					Cabill	crinoight Kir = 603	7 IIIII -> 003 IIIIII	
515	2.50-4.00	3.50-7.50	7.25–14.75					Wo ro	nommand the mar	e powerful lift mech	aniem
520	2.50-4.00	3.50-7.50	7.25–15.00						commend the mor olications in overla	•	iai ii SIII
525	2.50-4.00	3.25–7.50	7.25–15.00					ioi api	DIICALIONS IN OVENA	apping ranges.	
Cons	sisting of:										
1	2 x	Symmetrical I	ift mechanism								
	10 x	Chipboard so	rews Ø 4 x 35 m	m							

# **Ordering information**



2		Lever arm set for SERVO-DRIVE					
Rose		Colour	Material				
		Nickel plated	Steel	21S3500.01			
Consis	Consisting of:						
2a	1 x	SERVO-DRIVE lever arm left					
2b	1 x	SERVO-DRIVE lever arm right					
2c	2 x	Cross stabiliser cover cap					

3		Cover cap set				
	1	Colour	Material			
		HGR, SW, TGR	Nylon	20\$8020		
Consis	Consisting of:					
-	1 x	Cover cap left				
3b	1 x	Cover cap right				
3c	2 x	Branding element, embossed with Blum logo				
		IN-G				

3		Cover cap set for SERVO-DRIVE				
		Colour	Material			
	<b>-</b> :•	HGR, SW, TGR	Nylon	21S8020		
Consis	sting of:					
3a	1 x	SERVO-DRIVE cover cap left				
3b	1 x	Cover cap right				
3с	2 x	Branding element, embossed with Blum logo				
		IN-G				
3d	2 x	SERVO-DRIVE switch				
3e	4 x	Blum distance bumper Ø 5 mm				



-	Front fixing bracket	
ā	Version	
	Thin fronts	20S42T1
4		
EXPANDO T s	uitable for thin fronts – see page 68	

5	Round cross stabiliser rod					
	Diameter (mm)	Length (mm)				
	Ø 16	1061	20Q1061UN			
For cutting to siz	For cutting to size					
Cutting	Internal cabinet width LW - 129 mm					

-		Connecting piece set for cross stabiliser			
_		From internal cabinet width LW 1190 mm			
Out &		Diameter (mm)	Material		
		Ø 16	Aluminium	20Q153ZN	
Consis	Consisting of:				
-	1 x	Connecting piece			
-	1 x	Fixing			
-	2 x	Cross stabiliser cover cap			
Cutting		Internal cabinet width LW / 2 - 147 mm			
for 5		Internal cabinet wid	th LW / 2 - 165 mm		

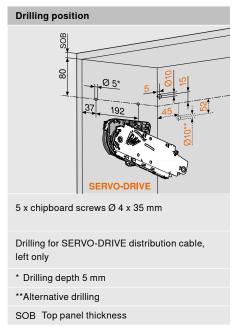
		Colour	Material		
		R7037	Nylon	21FA000	
Consis	ting of:				
6a	1 x	Drive unit			
6b	1 x	Distribution cable, 1500 mm			
6c	1 x	Connecting node			
6d	2 x	Cable end protector			
We recommend one SERVO-DRIVE drive unit per set for connected fronts.					

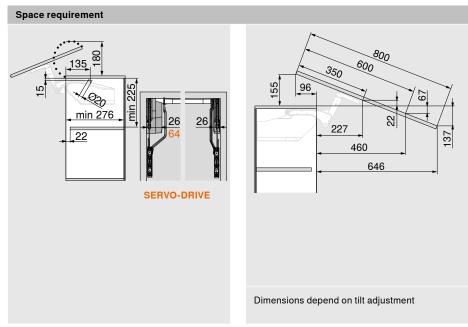
SERVO-DRIVE set

7	Blum transformer and accessories
	See page 70

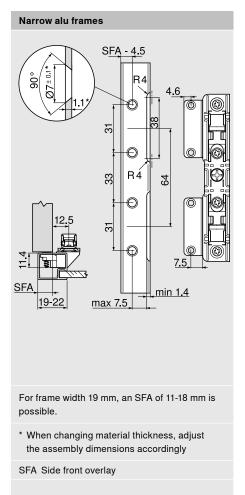
Colour	
HGR	Light grey
SW	Silk white
TGR	Dark grey
R7037	RAL 7037 dust grey
IN-G	In-mould brushed stainless steel

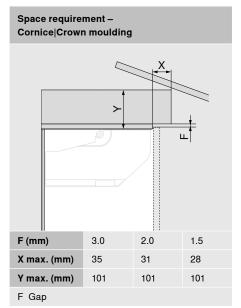


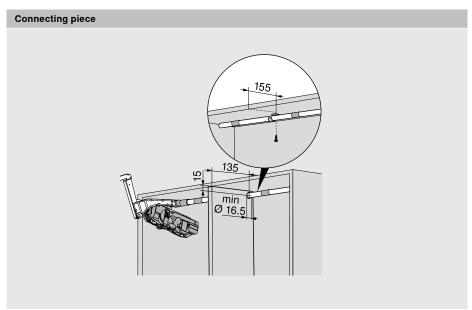


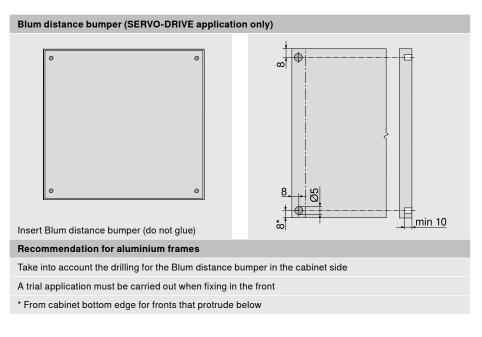


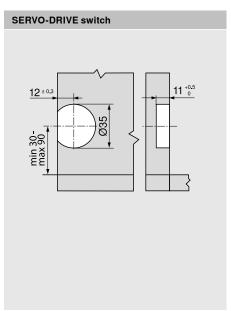
# Wooden fronts and wide alu frames Narrow alu frames SFA SFA SPA Application adjacent to wall: requires 5 mm minimum gap FAo Upper front overlay SFA Side front overlay







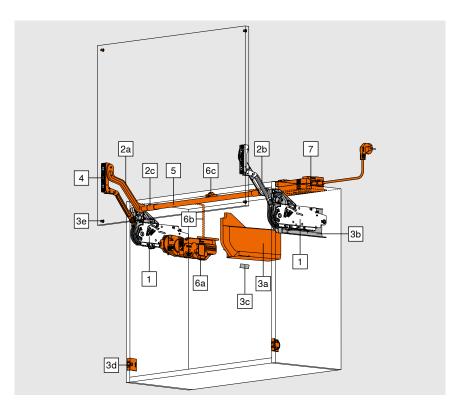




## **Assembly and adjustment**







- Ideal for small, one-part fronts
- Cabinet height 300-580 mm
- Cabinet width up to 1800 mm
- Soft and effortless closing thanks to BLUMOTION
- Light operating forces
- Balanced, top quality motion with a variable stop
- Tool-free assembly
- 3-dimensional front adjustment
- Simple, infinitely variable lift mechanism adjustment

Standard

SERVO-DRIVE

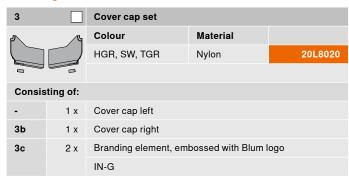
## **Ordering information**

1		Lift mechanism set					
		Cabinet height KH (mm)					
	فري	300–349	350–399	400-550	450–580		
Lever arm set							
		20L3200.06	20L3500.06	20L3800.06	20L3900.06		
		21L3200.01	21L3500.01	21L3800.01	21L3900.01		
¥	: <del>(</del> 6	1.25-4.25	1.25-2.50			20L2100.05	
<u>f</u>	Weight of front ncl. handle (kg)	3.50-7.25	1.75-5.00	1.75–3.50		20L2300.05	
Ħ of	handle (kg)	6.50-12.00	4.25-9.00	2.75-6.75	2.00-5.25	20L2500.05	
/eig	incl. h	11.00-20.00	8.00-14.75	5.75-11.75	4.25-9.25	20L2700.05	
>	.≘		13.50-20.00	10.50-20.00	8.25-16.50	20L2900.05	
We rec	commend	the more powerful lift mechanism	m for applications in overlapping	ranges.			
Consis	sting of:						
1	2 x	Symmetrical lift mechanism					
-	10 x	Chipboard screws Ø 4 x 35 mm					

2		Lever arm set		
<u> </u>		Cabinet height KH (mm)		
		300–349	20L3200.06	
		350–399	20L3500.06	
		400–550	20L3800.06	
		450–580	20L3900.06	
Consis	ting of:			
-	1 x	Lever arm left		
2b	1 x	Lever arm right		
2c	2 x	Oval cross stabiliser cover cap		

2		Lever arm set for SERVO-DRIVE		
		Cabinet height KH (mm)		
		300–349	21L3200.01	
		350–399	21L3500.01	
		400–550	21L3800.01	
ت س	(pī	450–580	21L3900.01	
Consis	ting of:			
2a	1 x	SERVO-DRIVE lever arm left		
2b	1 x	Lever arm right		
2c	2 x	Oval cross stabiliser cover cap		

# **Ordering information**



3		Cover cap set for SERVO-DRIVE		
- 490		Colour	Material	
		HGR, SW, TGR	Nylon	21L8020
Consis	sting of:			
3a	1 x	SERVO-DRIVE cover cap left		
<b>3b</b> 1 x Cover		Cover cap right	Pover cap right	
3c	2 x	Branding element, embossed with Blum logo		
		IN-G		
3d	2 x	SERVO-DRIVE switch		
3e	4 x	Blum distance bumper Ø 5 mm		

3 🔲	Front fixing bracket set		
	Version		
	Wooden fronts and wide alu frames	20\$4200	
100 (10)			
	Narrow alu frames	20S4200A	
<sup>1</sup> Use 4 chipboard screws (609.1x00) per side for wooden fronts. Use 4 counter sunk self tapping screws (660.0950) per side for wide alu frames.			

-	Front fixing bracket		
4	Version		
	Thin fronts	20S42T1	
4			
EXPANDO T suitable for thin fronts – see page 68			

5	Oval cross stabiliser rod					
	Version	Length (mm)				
>	Oval	1061	20Q1061UA			
For cutting to siz	For cutting to size					
Cutting	Internal cabinet width LW - 129 mm					
	Internal cabinet width LW - 164 mm					

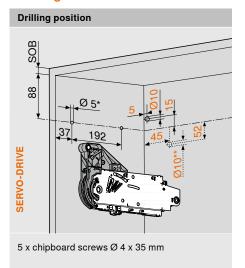
-		Connecting piece set for cross stabiliser				
		From internal cabine	oinet width LW 1190 mm			
Orac .		Diameter (mm)	Material			
	•	Ø 16	Aluminium	20Q153ZA		
Consis	ting of:					
-	1 x	Connecting piece				
-	1 x	Fixing	Fixing			
-	2 x	Cross stabiliser cover cap				
Cutting for 5		Internal cabinet width LW / 2 - 147 mm				
		Internal cabinet width LW / 2 - 165 mm				

6		SERVO-DRIVE set			
		Colour	Material		
	**************************************	R7037	Nylon	21FA000	
Consis	ting of:				
6a	1 x	Drive unit			
6b	1 x	Distribution cable, 150	0 mm		
6c	1 x	Connecting node			
-	- 2 x Cable end protector				
We recommend one SERVO-DRIVE drive unit per set for connected fronts.					

7	Blum transformer and accessories
	See page 70

Colour	
HGR	Light grey
SW	Silk white
TGR	Dark grey
R7037	RAL 7037 dust grey
IN-G	In-mould brushed stainless steel

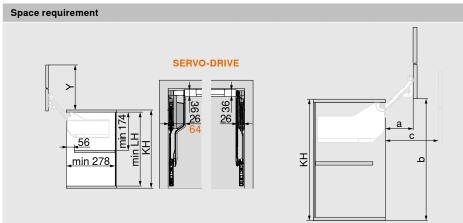




Drilling for SERVO-DRIVE distribution cable, left only

- \* Drilling depth 5 mm
- \*\*Alternative drilling

SOB Top panel thickness

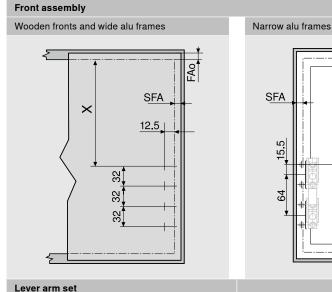


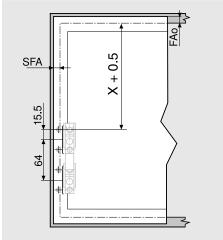
Lever arm set		LH min.	Υ	а	b	c max.
Standard	SERVO-DRIVE	(mm) <sup>1</sup>	(mm) <sup>1</sup>	(mm)	(mm) <sup>1</sup>	(mm)
20L3200.06	21L3200.01	262.0	264.0	114.0	257.0	159.0
20L3500.06	21L3500.01	312.0	352.0	146.0	345.0	209.0
20L3800.06	21L3800.01	362.0	440.0	178.0	433.0	259.0
20L3900.06	21L3900.01	412.0	529.0	210.0	522.0	309.5

<sup>1</sup> Dimensions based on bottom gap = 0 mm

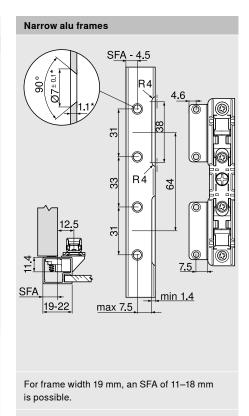
KH Cabinet height

LH Internal cabinet height



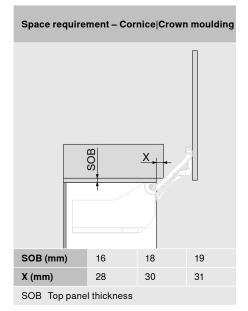


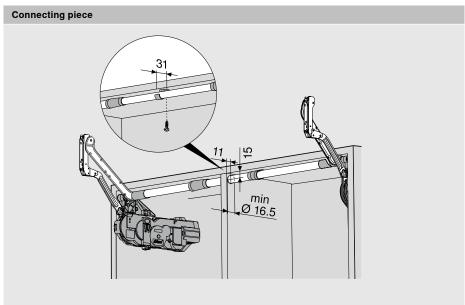
Lever arm set		
Standard	SERVO-DRIVE	X (mm)
20L3200.06	21L3200.01	153
20L3500.06	21L3500.01	203
20L3800.06	21L3800.01	253
20L3900.06	21L3900.01	303
Application adjacent to wa	all: requires 5 mm minimun	n gap
FAo Upper front overlay		
SFA Side front overlay		

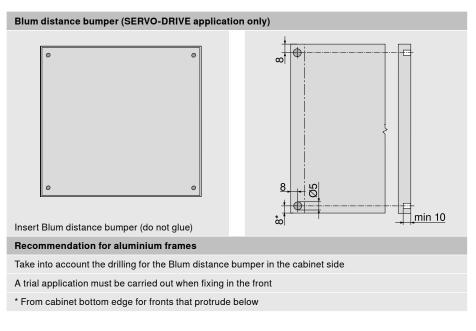


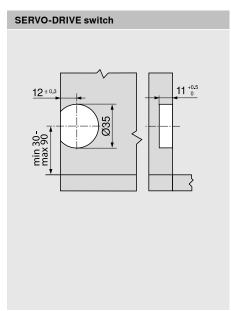
\* When changing material thickness, adjust the assembly dimensions accordingly

SFA Side front overlay





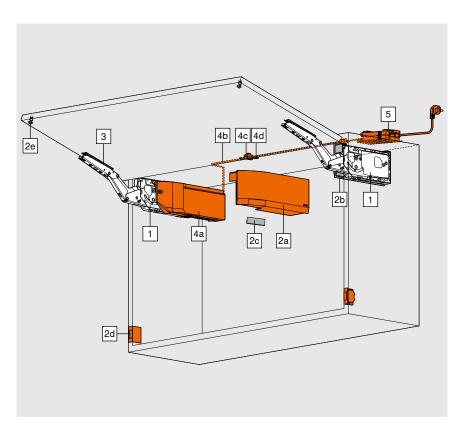




# **Assembly and adjustment**







- Ideal for low cabinet heights in wall cabinets, in tall units and over the refrigerator
- Cabinet height 205-600 mm
- Cabinet width up to 1800 mm
- Soft and effortless closing thanks to BLUMOTION
- Light operating forces
- Balanced, top quality motion with a variable stop
- Tool-free assembly
- 3-dimensional front adjustment
- Simple, infinitely variable lift mechanism adjustment
- No hinges required
- Integrated safety mechanism
- Integrated infinitely variable opening angle stop

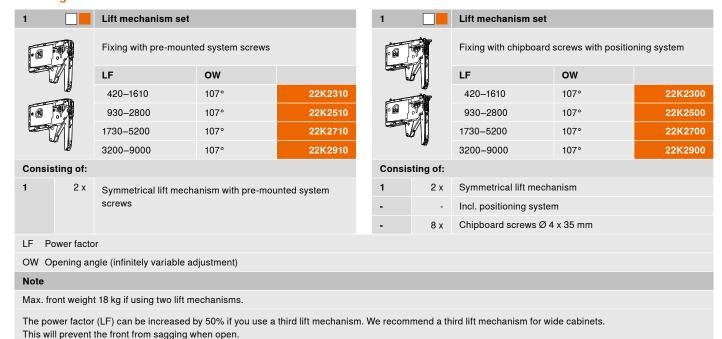


Standard

SERVO-DRIVE

We recommend the more powerful lift mechanism for applications in overlapping ranges.

#### **Ordering information**



# **Ordering information**



Colour Material HGR, SW, TGR Nylon 23K8000  Consisting of:  2a 1 x SERVO-DRIVE cover cap left 2b 1 x Cover cap right 2c 2 x Branding element, embossed with Blum logo IN-G  2d 2 x SERVO-DRIVE switch 2e 2 x Blum distance bumper Ø 5 mm							
HGR, SW, TGR Nylon 23K8000  Consisting of:  2a	2		Cover cap set for SERVO-DRIVE				
Consisting of:  2a			Colour	Material			
2a 1 x SERVO-DRIVE cover cap left 2b 1 x Cover cap right 2c 2 x Branding element, embossed with Blum logo IN-G 2d 2 x SERVO-DRIVE switch			HGR, SW, TGR	Nylon	23K8000		
2a 1 x SERVO-DRIVE cover cap left  2b 1 x Cover cap right  2c 2 x Branding element, embossed with Blum logo IN-G  2d 2 x SERVO-DRIVE switch							
2b 1 x Cover cap right  2c 2 x Branding element, embossed with Blum logo IN-G  2d 2 x SERVO-DRIVE switch	Consis	sting of:					
2c 2 x Branding element, embossed with Blum logo IN-G 2d 2 x SERVO-DRIVE switch	2a	1 x	SERVO-DRIVE cover	cap left			
IN-G  2d 2 x SERVO-DRIVE switch	2b	1 x	Cover cap right				
2d 2 x SERVO-DRIVE switch	2c	2 x	Branding element, embossed with Blum logo				
<u></u>		IN-G					
2e 2 x Blum distance bumper Ø 5 mm	2d	2 x	SERVO-DRIVE switch				
	2e	2 x	Blum distance bumper Ø 5 mm				



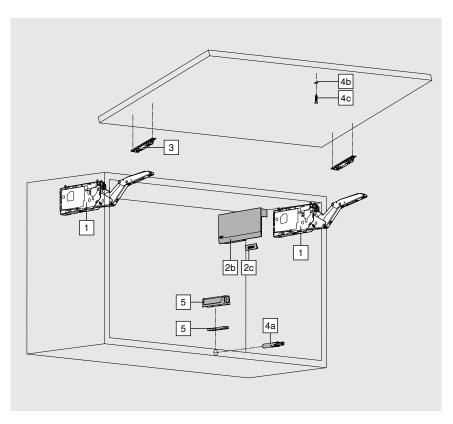
-	Front fixing bracket			
<b>f</b>	Version			
	Thin fronts	20S42T1		
42				
EXPANDO T suitable for thin fronts – see page 68				

4		SERVO-DRIVE set		
		Colour	Material	
		R7037	Nylon	23KA000
	~			
Consis	ting of:			
4a	1 x	Drive unit		
4b	1 x	Distribution cable, 150	0 mm	
4c	1 x	Connecting node		
4d	2 x	Cable end protector		
We recommend using two synchronised drive units for three lift mechanisms or more				

5	Blum transformer and accessories
	See page 70

Colour	Colour				
HGR	Light grey				
SW	Silk white				
TGR	Dark grey				
R7037	RAL 7037 dust grey				
IN-G	In-mould brushed stainless steel				





- TIP-ON for handle-less stay lifts
- Cabinet height 205-600 mm
- Cabinet width up to 1800 mm
- For drilling or in combination with adapter plates

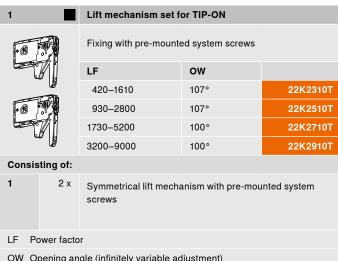


Power factor (LF) = cabinet height (KH) [mm] x front weight incl. double handle

TIP-ON

We recommend the more powerful lift mechanism for applications in overlapping ranges.

#### **Ordering information**



1		Lift mechanism set for TIP-ON			
· @		Fixing with chipboard screws with positioning system			
		LF	ow		
-		420–1610	107°	22K2300T	
0 🚳	9	930-2800	107°	22K2500T	
		1730-5200	100°	22K2700T	
	WB	3200-9000	100°	22K2900T	
Consis	sting of:				
1	2 x	Symmetrical lift mech	nanism		
-	-	Incl. positioning system			
-	8 x	Chipboard screws Ø 4 x 35 mm			

OW Opening angle (infinitely variable adjustment)

#### Note

Max. front weight 18 kg if using two lift mechanisms.

The power factor (LF) can be increased by 50% if you use a third lift mechanism. We recommend a third lift mechanism for wide cabinets. This will prevent the front from sagging when open.

# **Ordering information**

2		Cover cap set		
		Colour	Material	
		HGR, SW, TGR	Nylon	22K8000
Consis	ting of:			
-	1 x	Cover cap left		
2b	1 x	Cover cap right		
2c 2 x Branding element, embossed w IN-G		Branding element, em	bossed with Blum I	ogo

3	Front fixing bracket set			
	Version			
	Wooden fronts and wide alu frames	20S4200		
<b>19</b> (18)				
	Narrow alu frames	20S4200A		
<sup>1</sup> Use 4 chipboard screws (609.1x00) per side for wooden fronts. Use 4 counter sunk self tapping screws (660.0950) per side for wide alu frames.				

-	Front fixing bracket	
43	Version	
	Thin fronts	20S42T1
<b>1</b>		
EXPANDO T suitable for thin fronts – see page 68		

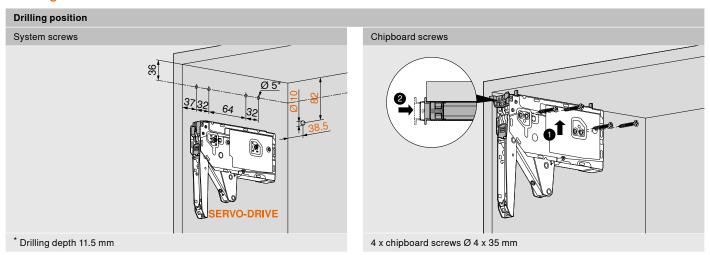
4		TIP-ON set		
		Version	Cabinet height KH (mm)	
100	٨	Short version	Up to 600	956.1004
		Colour		
		SW, TS, R7036		
Consis	ting of:			
4a	1 x	TIP-ON		
4b	1 x	Screw-on catch plate		
4c	1 x	Chipboard screw 609.1500		
-	1 x	Glue-on catch plate		

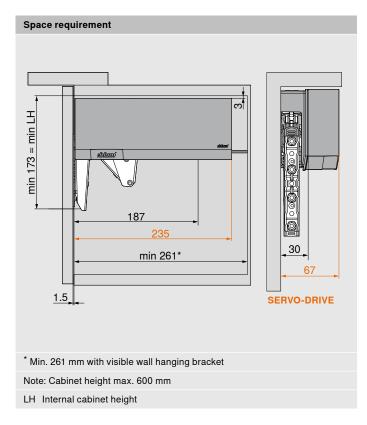
#### Accessories

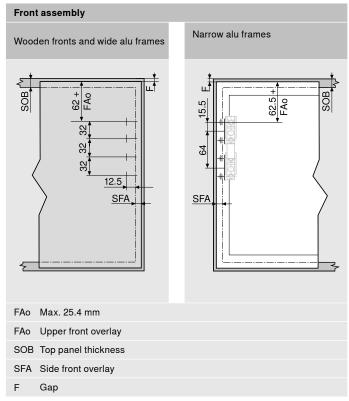
5	Adapter plate		
<i>a</i> .	Version	Colour	
	Straight adapter plate	SW, TS,	956.1201
	Short version	R7036, NI-L	
200	Cruciform adapter	D7026	956A1501
•	plate Long version	R7036	

Colour	
HGR	Light grey
SW	Silk white
TGR	Dark grey
TS	Terra black
R7036	RAL 7036 platinum grey
NI-L	Nickel-lacquered
IN-G	In-mould brushed stainless steel



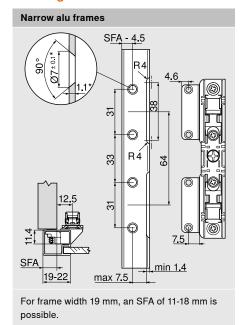






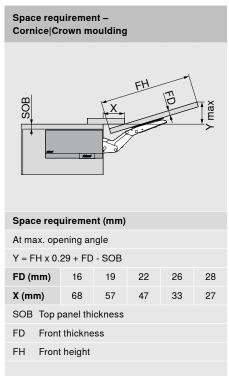
Further planning information for TIP-ON – see page 66

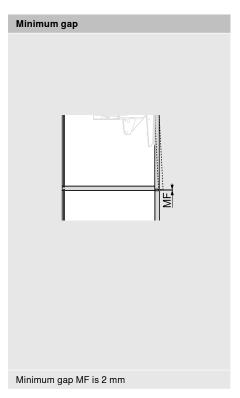


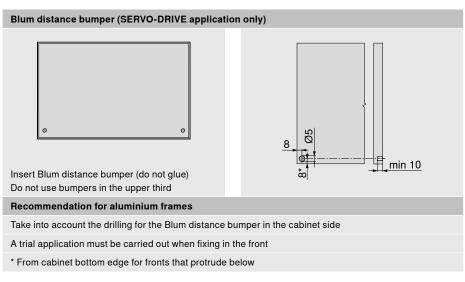


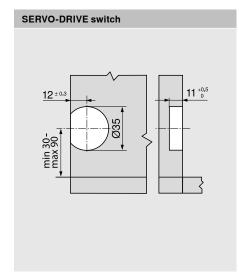
When changing material thickness, adjust the assembly dimensions accordingly

SFA Side front overlay





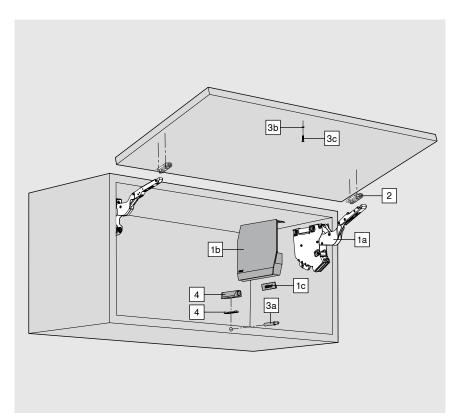




## **Assembly and adjustment**







- Ideal for low cabinet heights in wall cabinets, in tall units and over the refrigerator
- Cabinet height max. 600 mm
- Soft and effortless closing thanks to BLUMOTION
- Light operating forces
- Balanced, top quality motion with a variable stop
- Tool-free assembly
- 3-dimensional front adjustment
- Simple, infinitely variable lift mechanism adjustment

20K2B00T06

20K2C00T06

20K2E00T06

- No hinges required
- TIP-ON for handle-less stay lifts



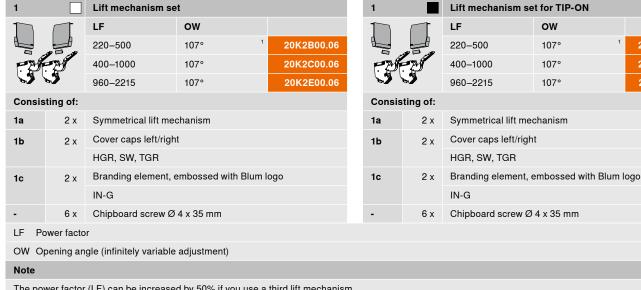
Power factor (LF) = cabinet height (KH) [mm] x front weight incl. double handle



TIP-ON

We recommend the more powerful lift mechanism for applications in overlapping ranges.

#### **Ordering information**



The power factor (LF) can be increased by 50% if you use a third lift mechanism.

<sup>1</sup> One lift mechanism is unsprung

# **Ordering information**

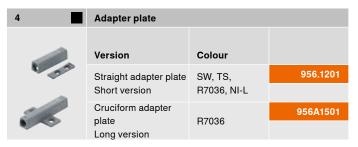
2		Front fixing bracket		
27.5	with C	Fixing method	Spacing (mm)	
		Screw-on <sup>2</sup>	0	175H3100
		EXPANDO	0	177H3100E
		Knock-in	0	177H3100
Wood	Wooden fronts and wide alu frames 2 x			2 x
All horizontal steel mounting plates with 0 mm spacing possible				
<sup>2</sup> Use 2 chipboard screws (609.1x00) for wooden fronts. Use 2 countersunk self tapping screws (660.0950) for wide alu frames.				

-	Front fixing bracket set	
- T	Version	
	Narrow alu frames	20K4A00A02

3		TIP-ON set		
		Version	Cabinet height KH (mm)	
100	A	Short version	Up to 600	956.1004
		Colour		
		SW, TS, R7036		
Consis	ting of:			
3a	1 x	TIP-ON		
3b	3b 1 x Screw-on catch plate			
3c	1 x	Chipboard screw 609.1500		
-	1 x	Glue-on catch plate		

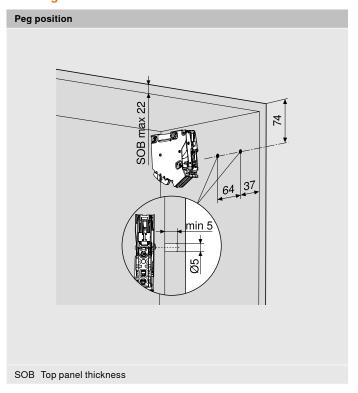
#### Accessories

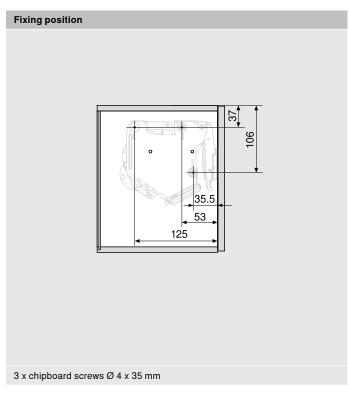


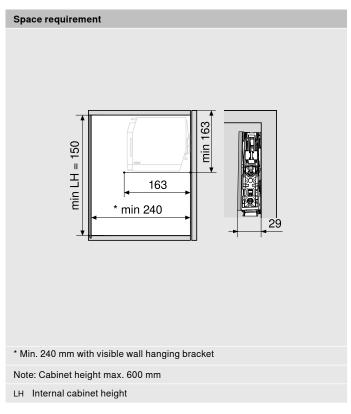


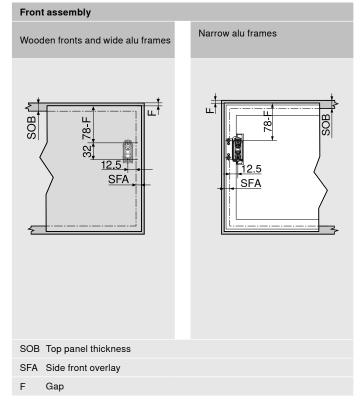
Colour	
HGR	Light grey
SW	Silk white
TGR	Dark grey
TS	Terra black
R7036	RAL 7036 platinum grey
R7037	RAL 7037 dust grey
NI-L	Nickel-lacquered
IN-G	In-mould brushed stainless steel



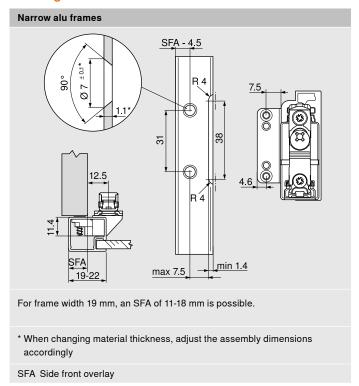


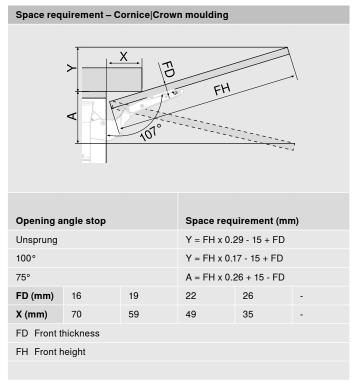


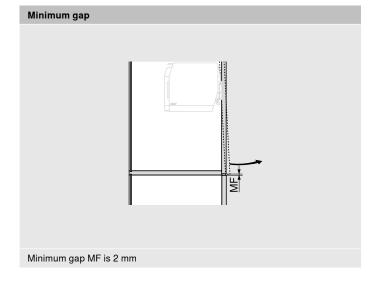




Further planning information for TIP-ON – see page 66

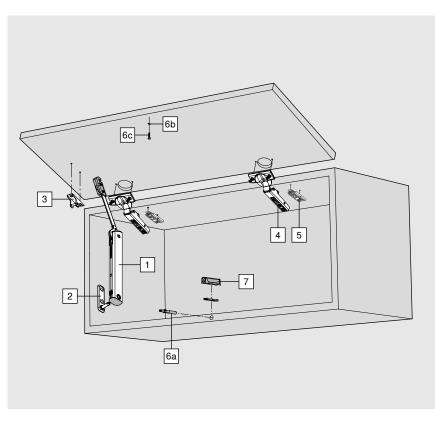






# **Assembly and adjustment**



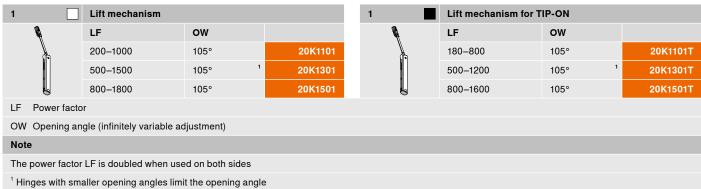


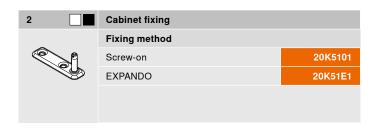
- Ideal for low cabinet heights in wall cabinets, in tall cabinets and over the refrigerator
- Cabinet height 240-600 mm
- Internal cabinet depth min. 125 mm
- An internal cabinet depth of 100 mm or more is possible if you use a special drilling position.
- Closes softly and effortlessly in conjunction with CLIP top BLUMOTION hinges
- TIP-ON for handle-less stay lifts with CLIP top unsprung hinges
- Light operating forces
- Balanced, top quality motion with a variable stop
- Simple, infinitely variable lift mechanism adjustment



A trial application is recommended where power factor ranges overlap.

# **Ordering information**





3	Front fixing bracket		
	Version	Fixing method	
	Wooden fronts and wide alu frames	Screw-on	20K4101
	Wooden fronts	EXPANDO <sup>2</sup>	20K41E1
	Narrow alu frames	Screw-on	20K4101A

## **Ordering information**

Ordering information			
4	CLIP top BLUMOTION 110° hinge		
	Boss	Spring	
	INSERTA	With spring	71B3590
	Screw-on <sup>2</sup>	With spring	71B3550
3 hinges starting	at cabinet width KB 900	mm and/or power	factor LF 1800
4 hinges with cabinet width KB 1200 mm and/or starting at power factor LF 2700			
Alternative			
CLIP top BLUMOTION hinges: 107°, profile/thick door, 95°-aluminium frame door hinge or CLIP top hinges: 107°, profile/thick door, 95°-aluminium frame door hinge in combination with BLUMOTION 973A – to clip on or CLIP hinges:			

4	CLIP top 110° hinge		
	Boss	Spring	
material and a	INSERTA	Unsprung	70T3590.TL
·	Screw-on <sup>2</sup>	Unsprung	70T3550.TL
3 hinges starting at cabinet width KB 900 mm and/or power factor LF 1800			
4 hinges with cabinet width KB 1200 mm and/or starting at power factor LF 2700			
Alternative			
CLIP top hinges: 107°, profile/thick door, 95°-aluminium frame door hinge and/or CLIP 100° (each with unsprung hinge)			

5 □■	Mounting plate		
200	Fixing method	Spacing (mm)	
	Screw-on <sup>2</sup>	0	175H3100
	EXPANDO	0	177H3100E
Standard mounti	ng plates, spacing deper	nds on the top gap	

 $<sup>^2</sup>$  Use 2 chipboard screws (609.1x00) per side for wooden fronts. Use 2 counter sunk self tapping screws (660.0950) per side for wide alu frames.

6		TIP-ON set		
		Version	Cabinet height KH (mm)	
19/4	A	Short version	Up to 600	956.1004
		Colour		
		SW, TS, R7036		
Consis	ting of:			
6a	1 x	TIP-ON		
6b	1 x	Screw-on catch plate		
6c	1 x	Chipboard screw 609.1500		
-	1 x	Glue-on catch plate		

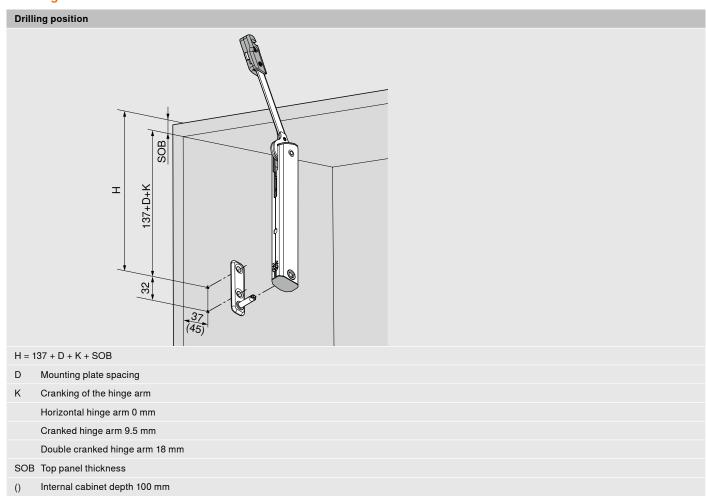
#### Accessories

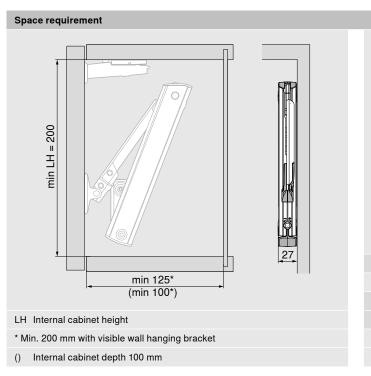
7	Adapter plate		
	Version	Colour	
1	Straight adapter plate	SW, TS,	956.1201
	Short version	R7036, NI-L	
	Cruciform adapter	D7000	956A1501
	plate Long version	R7036	

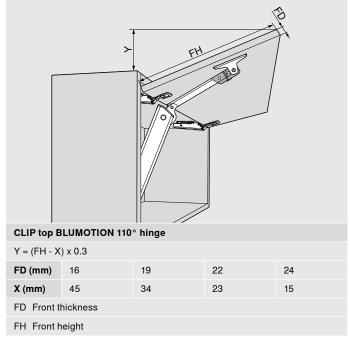
-	Opening angle stop		
	Opening angle	Colour	
	86°	TGR	70T3553
	For CLIP top BLUMOTION 110°   CLIP top 110° hinge		

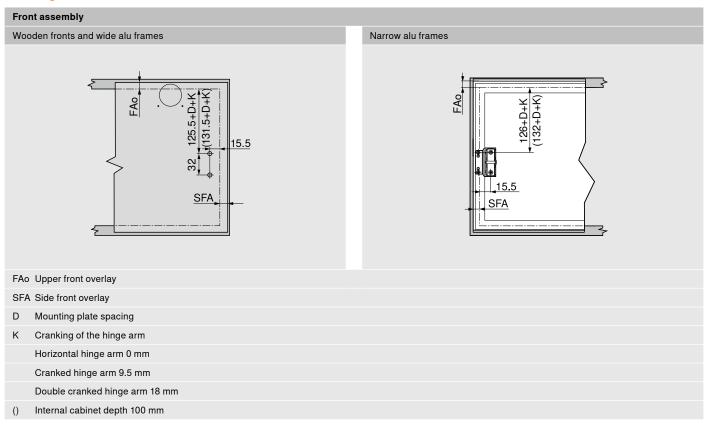
Colour	
HGR	Light grey
SW	Silk white
TGR	Dark grey
TS	Terra black
R7036	RAL 7036 platinum grey
NI-L	Nickel-lacquered

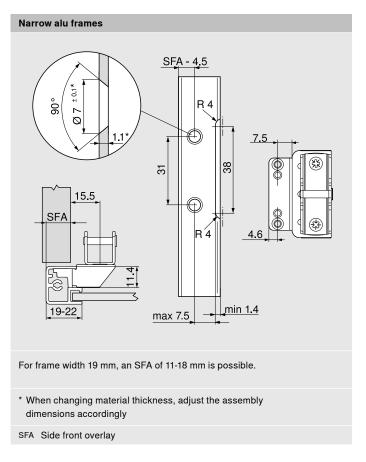


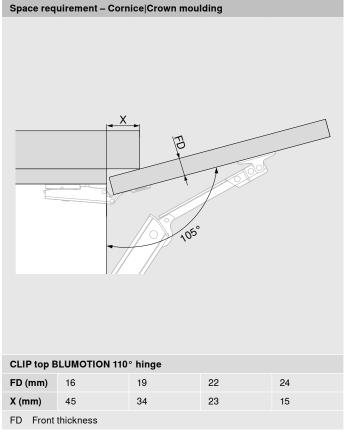




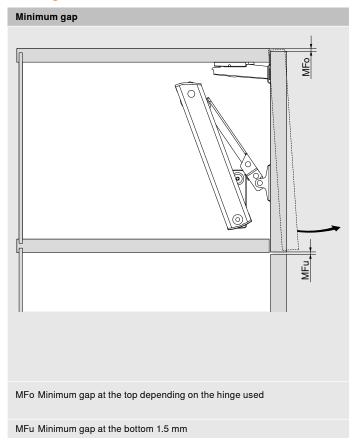


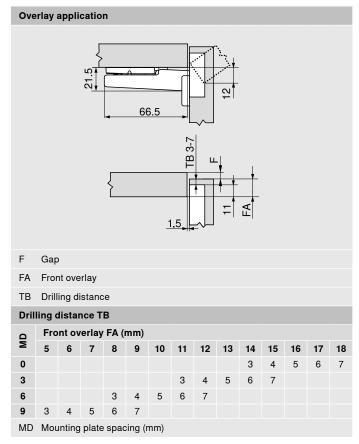




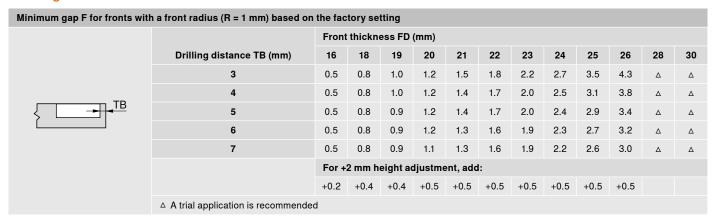


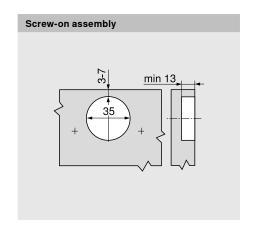


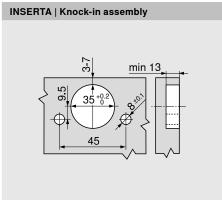


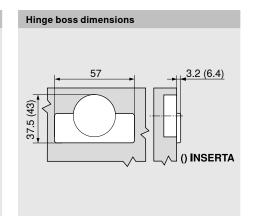


Further planning information for TIP-ON – see page 66





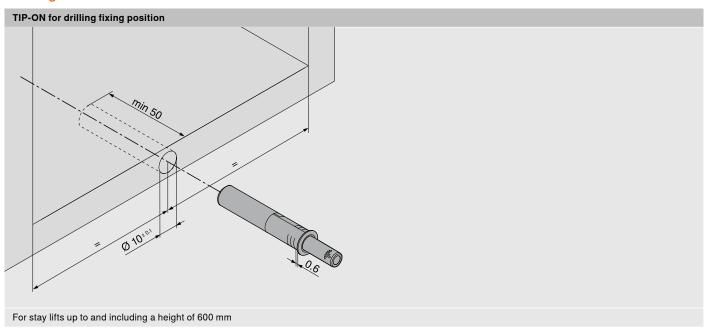


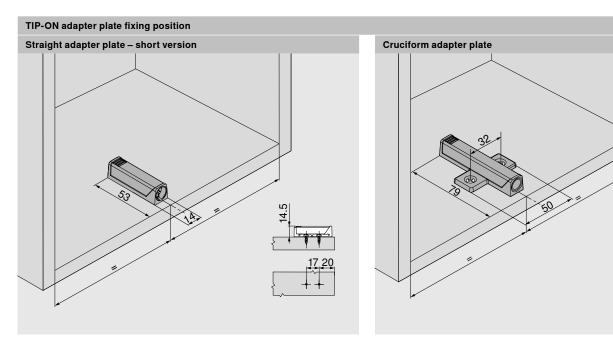


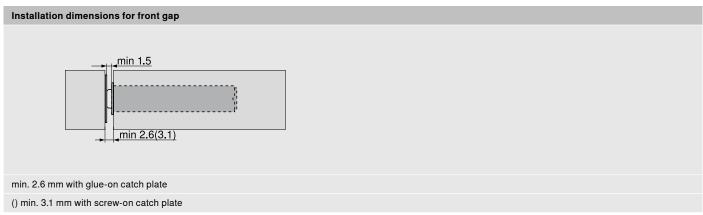
## **Assembly and adjustment**

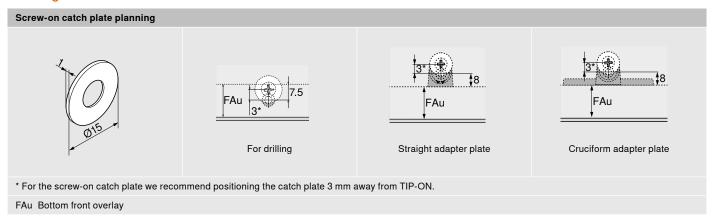


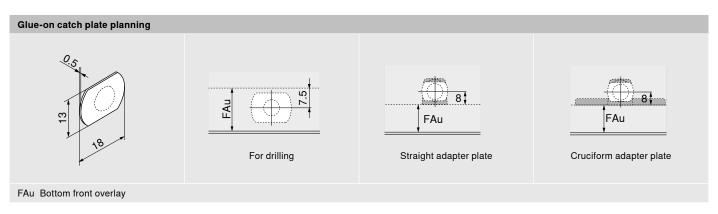














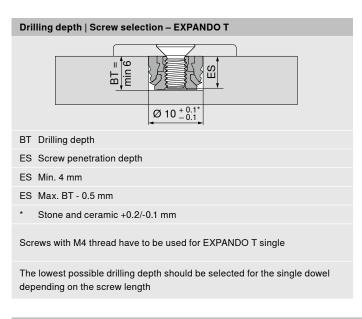


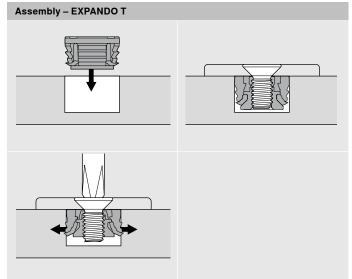
- EXPANDO T pre-assembled fixing system
- Thin fronts measuring 8 mm or more
- Different front materials
- 3 different applications –lift systems | hinge systems | box systems

Front fixin	g bracket for AVENTO	OS HS   HL   HK top	
1	Version	Material	
4	Symmetrical	Steel	20S42T1

Fixing positions as per the details in the respective planning information







#### Area of application and assembly recommendation

EXPANDO T is suitable for fixing Blum fittings to thin cabinet fronts of all types of materials. Materials can be just 8 mm thick or more, provided they are sufficiently stable and strong.

Materials tested by Blum	Nm
Chipboard (transverse tensile strength > 0.4 N/mm²)	1.5
MDF (transverse tensile strength > 0.6 N/mm²)	1.5
HDF	2
HPL	2
Mineral composites	2
Granite stone – Nero Assoluto	3
Artificial stone – quartz composite	3
Ceramic panels	3

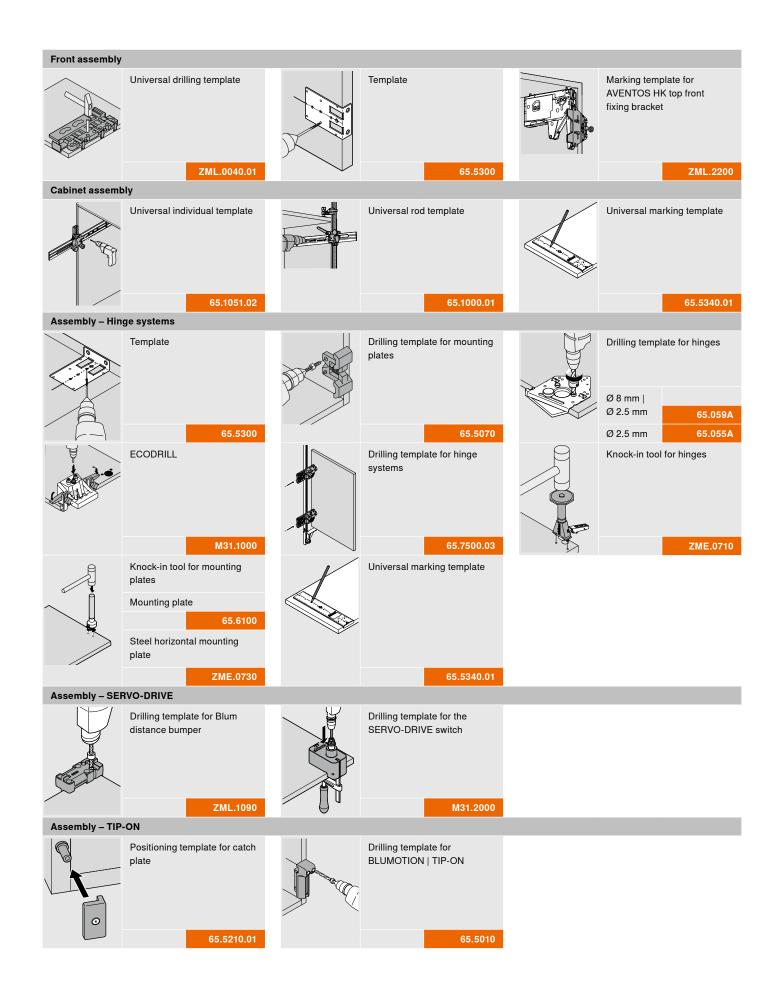
Nm Minimum tightening torque

#### Liability disclaimer

Blum accepts no liability for the use of EXPANDO T in combination with materials not listed or fittings from other manufacturers. It is recommended that the assembly be carried out by an experienced furniture manufacturer.

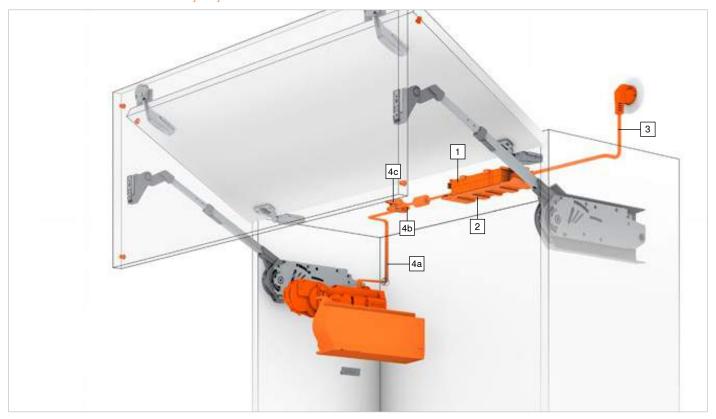


Information on assembly and adjustment www.blum.com/expando-t-9





# SERVO-DRIVE for AVENTOS HF, HS, HL



# **SERVO-DRIVE for AVENTOS HK top**



# **Ordering information**

1	24-watt Blum transformer					
		Language package			Language package	
		Α	Z10N	IE030A	F	Z10NE030F
		В	Z10N	IE030B	G	Z10NE030G
		С	Z10N	IE030C	Н	Z10NE030H
		D	Z10N	IE030D	J	Z10NE030J
		E	Z10N	1E030E		
Includes	operatir	ng and instal	lation inst	tructions		
Without	Without flex					
Langua	Language package					
A	DE, EN	I, FR, IT, NL		F	BG, ET, L	T, LV, RO, RU
В	DA, EN, FI, NO, SV		'	G	EN, ES, F	R
С	EL, EN, HR, SL, SR, TR		Н	EN, ZH		
D	EN, ES	ES, FR, IT, PT		J	JA	
E	CS, HU, PL, SK					
Language descriptions as per ISO-639						

2	Transformer unit housing		
	Colour	Material	
	WGR	Nylon	Z10NG120
For 24-watt Blun	n transformer		

3	Flex			
	Market		Market	
	AR	Z10M200A	JP	Z10M200J
	UK	Z10M200B	AU	Z10M200K
	CH	Z10M200C	CL	Z10M200L
	DK	Z10M200D	CN	Z10M200N
	Europe	Z10M200E	BR	Z10M200S.01
	Europe <sup>1</sup>	Z10M200E.OS	TW	Z10M200T
	IN	Z10M200H	US, CA	Z10M200U
	IL	Z10M200I	ZA	Z10M200Z
<sup>1</sup> Without plug				

Colour	
WGR	White grey
S	Black
W	White

Alternative to 1, 2 and 3						
12-watt Blum plug-in transformer						
Only suitable for one drive unit						
	Power adapter (x)					
	E B K U					
	See the Information chapter of the Blum catalogue for a detailed market list.					
	Language packages (y)					
	A	DE, EN, FR, IT, NL	Е	CS, HU, SK, PL		
	В	DA, EN, FI, NO, SV	F	BG, ET, LT, LV, RO, RU		
	С	EL, EN, HR, SL, SR, TR	G	EN, ES, FR		
	D	EN, ES, FR, IT, PT				
	Z10NA30xyF					
Consisting of:	Consisting of:					
- 1 x	12-watt Blum plug-in transformer					
	Incl. cable, 1120 mm (with distribution cable extendible to max. 2000 mm)					
Other combinations available upon request						

#### Accessories

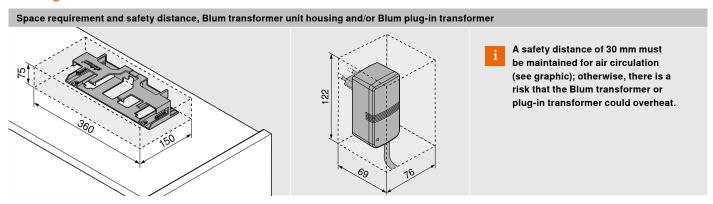
4		Distribution cable and cable end protector				
		Colour	Length (m)			
		S	8	Z10K800AE		
0						
Consis	Consisting of:					
4a	1 x	Distribution cable				
4b	5 x	Cable end protector				
Can be used as a distribution cable						
For cutting to size						

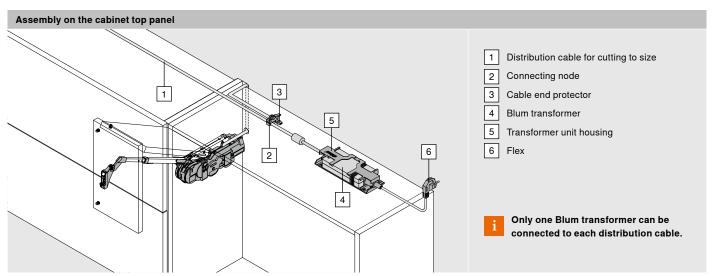
4		Connecting nodes and cable end protector				
		Colour	Material			
	3	S	Nylon	Z10V100E.01		
Consisting of:						
4c	1 x	Connecting node				
4b	2 x	Cable end protector	r			

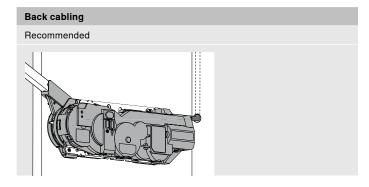
	Cable holder			
	Colour	Material		
	W	Nylon	Z10K0009	
E.g. for fixing the distribution cable				

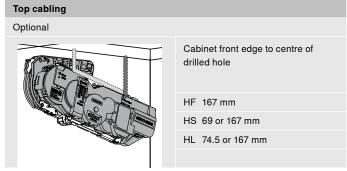


## **Planning**

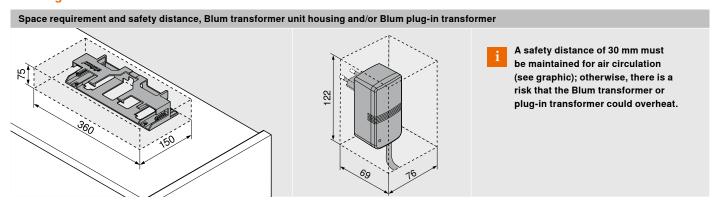


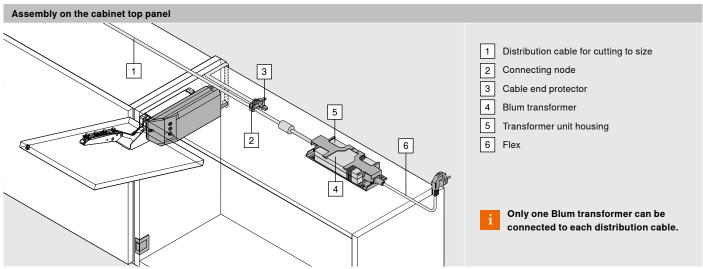


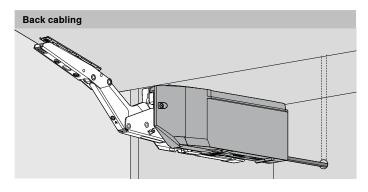


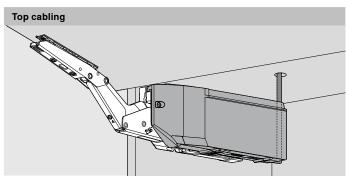


## **Planning**









# **Assembly and adjustment**



Information on assembly and adjustment

www.blum.com/servodrive-aventos-assembly

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www.blum.com

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Our site in Brazil is certified to ISO 9001 and ISO 14001.







