



# AVENTOS

The new lift system fitting for perfect motion

Perfecting motion  **blum**<sup>®</sup>

**A bi-fold lift system  
has never been so smooth**



## Now perfect motion is also available for AVENTOS HF – the bi-fold lift system

This new AVENTOS HF provides total satisfaction with;

- a perfect movement,
- a modern design,
- easy assembly and adjustment,
- a uniform program.

With its easy opening feature and integrated BLUMOTION, AVENTOS HF transforms the mundane act of opening and closing into a truly emotional experience.



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Perfect movement, silent and effortless



## Opening action – lighter than everything that has come before

**Up until now, bi-fold lift systems have mainly been used as a design element. That perception is sure to change with the introduction of AVENTOS HF.**

The exceptionally balanced movement of Blum's bi-fold lift system ensures that the simple act of opening becomes an experience in its own right. Even heavy fronts are made to feel weightless and can be easily opened or left to hang at the desired height.

In addition, the variable stop ensures that the fronts always remain in the desired position.



## Silent and effortless closing – thanks to the integrated BLUMOTION

**You will instantly appreciate our latest innovation for a quiet and effortless bi-fold lift system.**



AVENTOS HF is supplied with BLUMOTION integrated into the mechanism – the result is a something that will both surprise and inspire your customers.

Whether you are using aluminium frames or wooden fronts – all close silently and effortlessly.

With BLUMOTION, just closing your bi-fold lift system becomes an experience:

- ▶▶ Flaps that are closed with force ...
- ▶ ... are brought to a gentle halt and ...
- ◻ ... close softly and quietly.



Give your furniture a lift – using a modern design





## **Technology can be beautiful**

**The AVENTOS HF offers new levels of function and captivates with its modern design.**

Its elegant yet simple design makes it easy to integrate AVENTOS HF into the carcass. High-quality cover caps look sleek, modern and harmonious inside the cabinet.

# Assembly and adjustment: Simple, quick and easy



## Kitchen fitters have specific needs and wants

Providing global customer advantages has become a tradition at Blum: Our products are designed to benefit all of our customers, throughout the supply chain, in some way: whether during manufacturing, the sales process, assembly or during daily furniture use.

We can provide our customers these advantages when we have a better idea of their needs and requirements. That's why the best sources of ideas and information come from those who work with furniture fittings on a daily basis. For example, installation:

An international survey of kitchen installers has backed up the ideas behind the AVENTOS HF design:

- 96.5% of those surveyed said that bi-fold lift system fronts should be easy to install and remove.
- 30% desired improved handle assembly options
- 70% desired a system with easier gap adjustment and an easier fine adjustment for the opening and closing power.

## AVENTOS HF and CLIP top cover all the bases

- CLIP functions support installation: Bi-fold lift system fronts can be removed and then later re-attached easily without the need for tools.
- Handles are much easier to install when the fronts have been removed.
- The adjustment options for; gap alignment, frontals and opening/closing power are all much simpler.

## Assembly and removal in just seconds

An experienced kitchen fitter will always remove the wall cabinet fronts. This protects valuable surfaces and makes the cabinet lighter. This, in turn, makes cabinet installation easier and quicker but most importantly; safer.

AVENTOS HF and CLIP top both support these assembly steps. Bi-fold lift system fronts can be removed quickly and then later re-attached.



The telescopic arms are attached to the lift mechanism using CLIP technology.

The upper front is placed on the telescopic arm and CLIP top hinges are attached.

CLIP top centre hinges are connected to both fronts.

The telescopic arm and lower front are connected to each other via the CLIP mechanism.

## Fast and precise adjustment

Both bi-fold lift system fronts can be adjusted in all 3 dimensions. The proven CLIP top technology makes this quick and easy. The gap image can be set precisely with just a few turns.

The power storage feature of AVENTOS HF is used to make fine adjustments to the opening and closing power. The settings vary dependant upon the weights of the frontals being used. The adjustment is calibrated which make it simple to achieve the correct setting for each application.



Precise gap adjustment (including the centre hinge) – CLIP top makes it possible.

The telescopic arms adjust themselves to the carcass height and only need to be attached. Front tensions are self-adjusting.

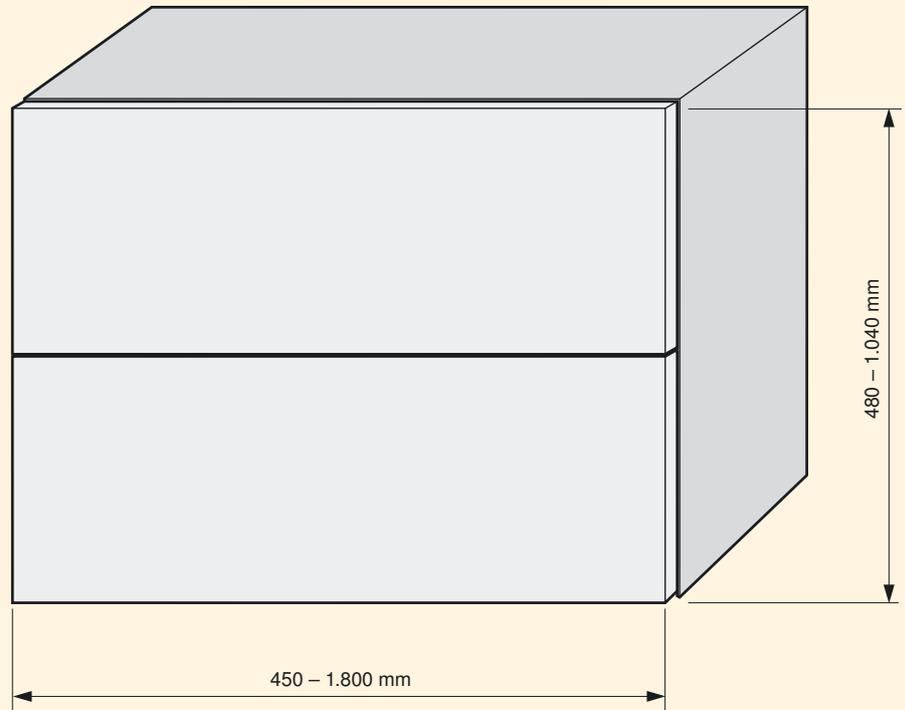
Adjusting the proper setting for the opening and closing power – Quick and precise.

# One programme that sets new benchmarks

## Minimum number of parts – maximum number of applications

The AVENTOS HF covers all common flap frontal widths and heights with just one small programme. The programme consists of just 3 lift mechanisms and 4 telescopic arms, which can be combined to suit each application. Because of the symmetrical design of the fittings, these can be used both on the left and the right.

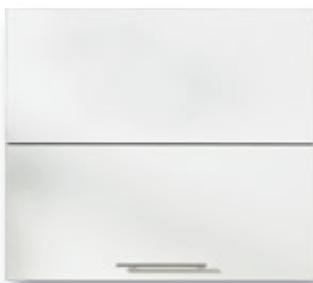
The simplified programme range doesn't just make ordering easier. It also simplifies commissioning and storage.



Complete programme coverage  
with just 3 lift mechanisms  
and 4 telescopic arms

The AVENTOS HF is suitable for carcass widths from 450 to 1.800 mm and for carcass heights from 480 to 1.040 mm.

One, two or three lift mechanisms and their associated telescopic arms are required depending on the width of the carcass.



Different wooden fronts ...



Narrow alu frames ...



Wide alu frames ...



... and combinations

With integrated BLUMOTION, the perfect motion is achieved when opening and closing.



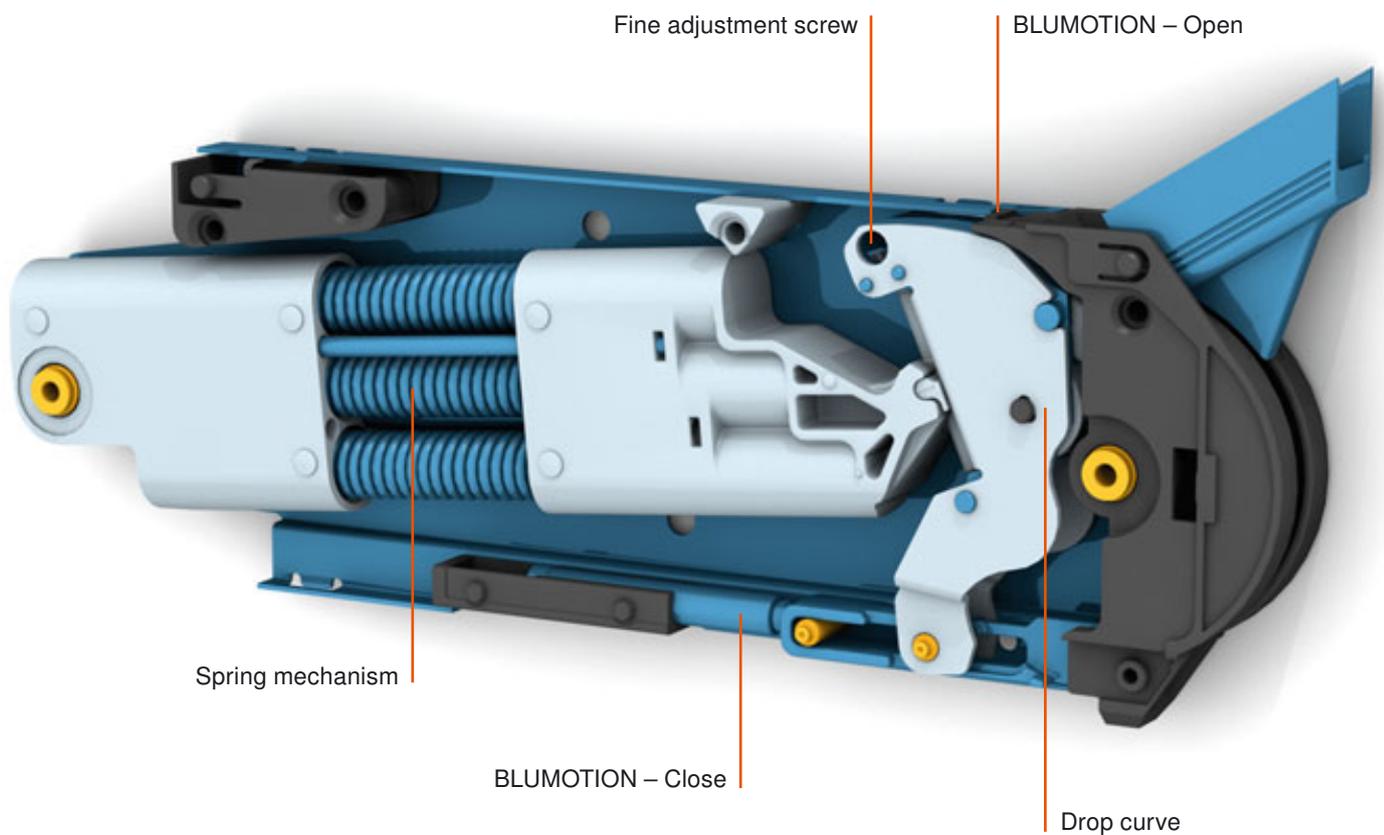
Whether its different wooden fronts, narrow or wide alu frames – AVENTOS HF lends itself to many design options.

# Other advantages that will inspire both you and your customers

## Excellent durability

**Our gauge of success is a satisfied customer.** Like all Blum products AVENTOS HF has quality and durability built in. In short; peace of mind for the life of the furniture.

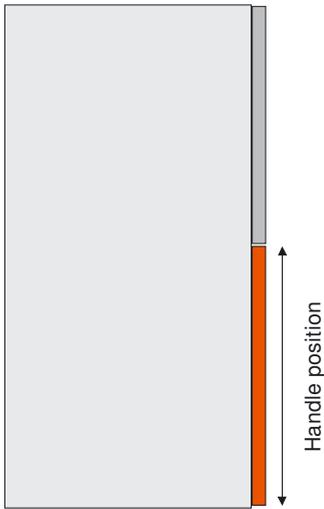
**The core element of the lift mechanism is a robust spring packet. The result: excellent durability.**



## No protruding parts

Because of the removable telescopic arm, there are no protruding parts that can interfere with the internal transport for furniture manufacturing. This is also an advantage during kitchen assembly.





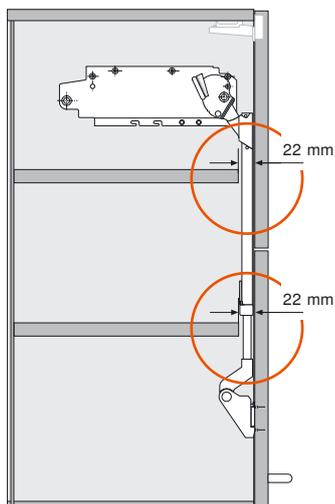
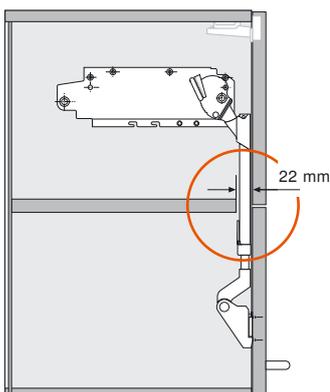
### Free positioning of handles

Handles of all kinds can be attached anywhere on the lower front. The optimal position is near the lower edge so that the handle can be easily reached when open.

AVENTOS HF can also be used with handle-less applications which utilise over-extending fronts.

### Includes a finger safety feature

The new CLIP top centre hinge proves itself not only through its attractive design, but also through its innovated finger safety feature.

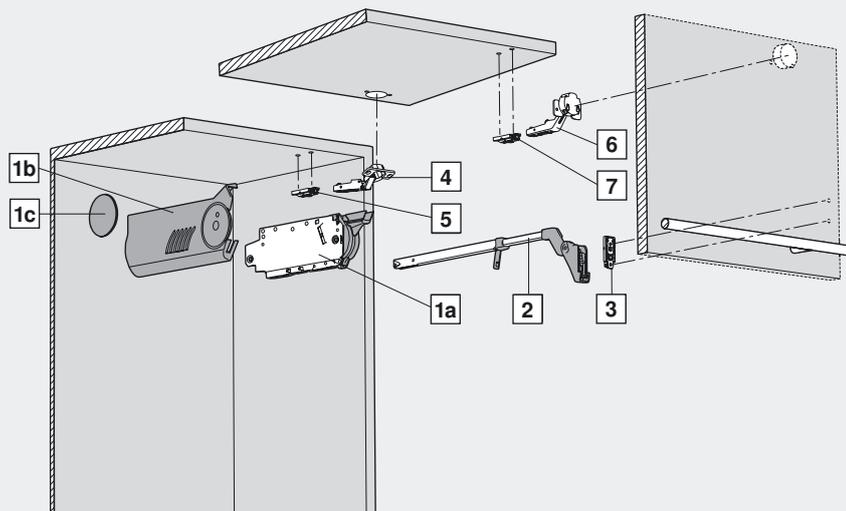


### Similar shelves possible

With AVENTOS HF, storage space is optimised in upper cabinets. Depending on the height of the carcass, two similar shelves can be used starting at a back cut of only 22 mm. This makes the storage area of all shelves identical.

# Ordering information

## Wooden fronts and wide alu frames

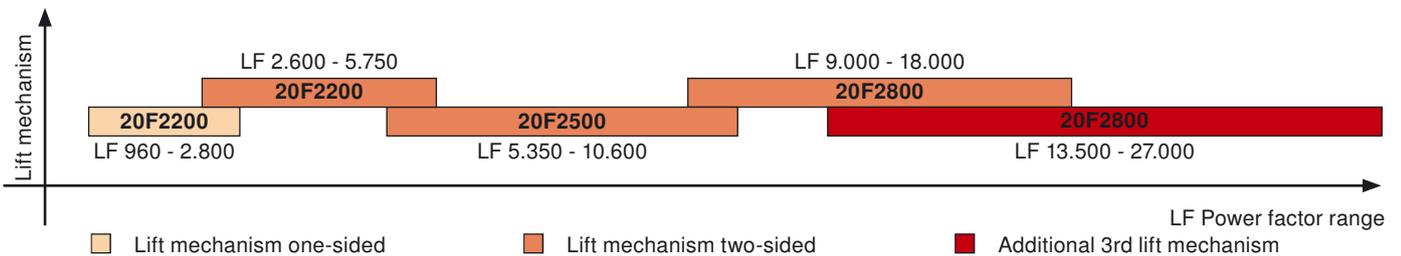


### 3 lift mechanisms are sufficient to cover nearly every application

By using the power factor you can ascertain the type and quantity of lift mechanisms required.

The power factor required depends on the combined weights of the lower and upper front (incl. handle) and carcass height.

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



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

### This is how it's done:

**Power factor = carcass height [mm] x front weight including handle [kg]**

1	Lift mechanism set	LF power factor	Part No.
		2.600 – 5.750	<b>20F2200</b>
		5.350 – 10.600	<b>20F2500</b>
		9.000 – 18.000	<b>20F2800</b>

#### comprising of:

<b>1a</b>	2 x Lift mechanism (symmetrical)
<b>1b</b>	1 x Cover cap large left
<b>1b</b>	1 x Cover cap large right
<b>1c</b>	2 x Cover cap round
	8 x Chipboard screws Ø 4 x 35 mm

2	telescopic arm set	Carcass height	Part No.
	Nickel plated steel	480 – 570 mm	<b>20F3200</b>
		560 – 710 mm	<b>20F3500</b>
		700 – 900 mm	<b>20F3800</b>
		760 – 1.040 mm	<b>20F3900</b>

#### comprising of:

	2 x Telescopic arm (symmetrical)
--	----------------------------------

3	Mounting plate for telescopic arm	Recommendation	Part No.
	All straight mounting plates with 0 mm distance	Screw-on Distance 0 mm	<b>175H5100.05</b>
		Knock-in Distance 0 mm	<b>177H5100</b>

4	CLIP top 120° hinge	Boss:	Screw-on	Part No.
		Steel boss	unsprung	<b>70T5550.TL</b>
		Steel boss	INSERTA	
		Steel boss	unsprung	<b>70T5590BTL</b>

5	Mounting plate for CLIP top 120° hinge	Recommendation	Part No.
	All mounting plates, distance depends on the gap	Screw-on Distance 0 mm	<b>175H5100.05</b>

6	CLIP top connecting hinge	Boss:	Screw-on	Part No.
		Zinc boss	unsprung	<b>78Z5500T</b>
		Zinc boss	EXPANDO	
		Zinc boss	unsprung	<b>78Z553ET</b>

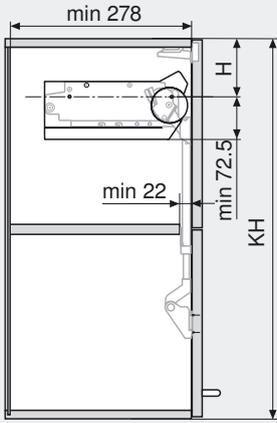
7	Mounting plate for CLIP top connecting hinge	Recommendation	Part No.
	All mounting plates with 0 mm distance	Screw-on Distance 0 mm	<b>175H5100.05</b>

#### Note for wide alu frames

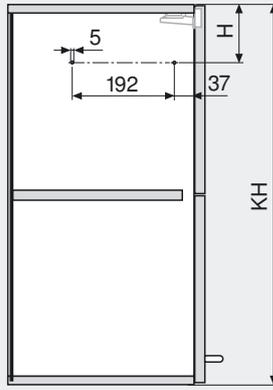
Only cruciform mounting plates can be used where side frame widths are below 55 mm.

# Planning

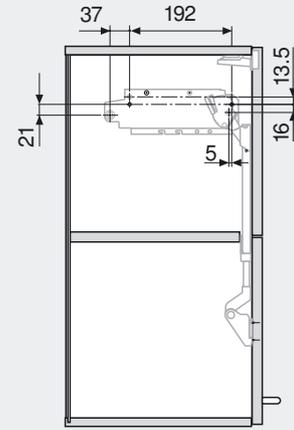
## Height position



## Peg positions



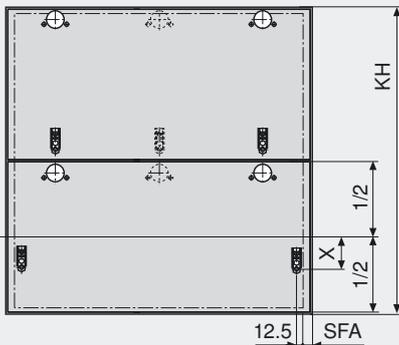
## Fixing



Carcase height KH	H
480 - 549 mm	KH x 0.3 - 28 mm
550 - 1.040 mm	KH x 0.3 - 57 mm

4 x chipboard screws Ø 4 x 35 mm

## Front assembly

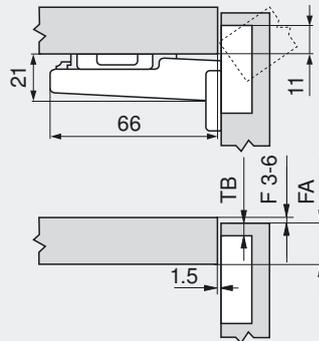


### SFA Front overlay

3 hinges starting at carcase width 1200 mm and/or 12 kg front weight  
4 hinges starting at carcase width 1800 mm and/or 20 kg front weight

Carcase height KH	X
480 - 549 mm	70 mm
550 - 1.040 mm	47 mm

## CLIP top 120° hinge without spring

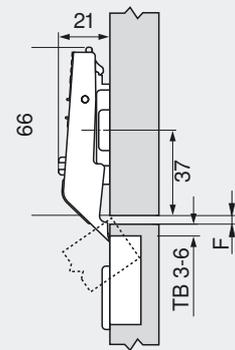


### Drilling distance TB

Front overlay FA	
	5 6 7 8 9 10 11 12 13 14 15 16 17
0	
3	
6	
9	

↑ mounting plate

## CLIP top connecting hinge

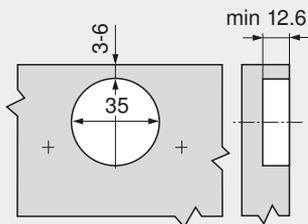


### Drilling distance TB

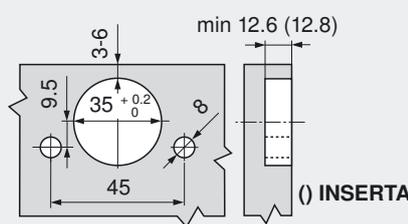
Centre gap F	
	3 4 5 6
0	
3	
6	
9	

↑ mounting plate

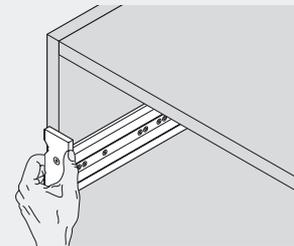
## Screw-on assembly



## INSERTA/knock-in/EXPANDO assembly



## Carcase assembly



Drilling jig

Part No.  
**65.5020**

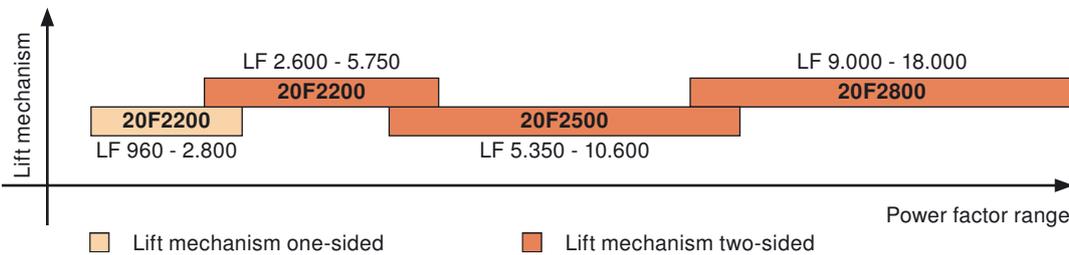
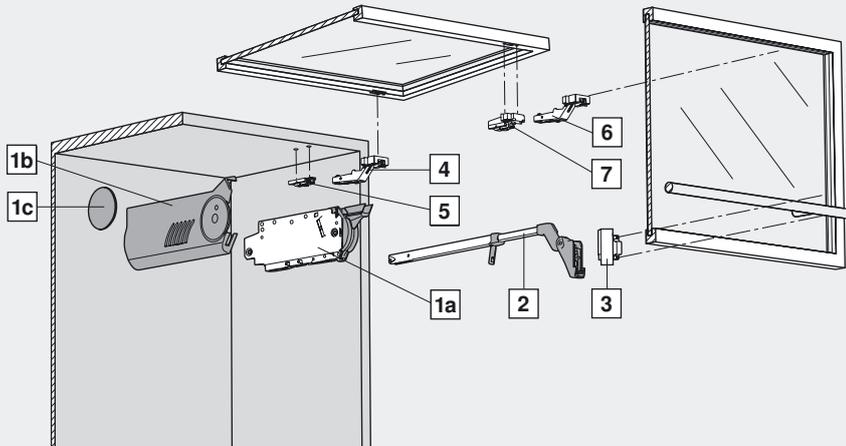
# Ordering information

## Narrow alu frames

### 3 lift mechanisms are sufficient to cover nearly every application

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

### This is how it's done:

Power factor =

Carcass height [mm] x front weight including handle [kg]

1	Lift mechanism set	LF power factor	Part No.
		2.600 – 5.750	20F2200
		5.350 – 10.600	20F2500
		9.000 – 18.000	20F2800

#### comprising of:

1a	2 x Lift mechanism (symmetrical)
1b	1 x Cover cap large left
1b	1 x Cover cap large right
1c	2 x Cover cap round
	8 x Chipboard screws Ø 4 x 35 mm

2	Telescopic arm set	Carcass height	Part No.
	Nickel plated steel	480 – 570 mm	20F3200
		560 – 710 mm	20F3500
		700 – 900 mm	20F3800
		760 – 1.040 mm	20F3900

#### comprising of:

2 x Telescopic arm (symmetrical)

3	CLIP adapter plate	Distance	Part No.
		0 mm	175H5B00
		left/right	

4	CLIP top 120° alu frame hinge	Boss:	Screw-on	Part No.
		Zinc boss	unsprung	72T550A

5	Mounting plate for CLIP top 120° hinge	All mounting plates, distance depends on the gap	Part No.
			175H5100.05
	<b>Recommendation</b>	Screw-on Distance 0 mm	

6	CLIP top alu frame connecting hinge	Boss:	Screw-on	Part No.
		Zinc boss	unsprung	78Z550AT

7	CLIP adapter plate	Part No.
	symmetrical	175H5A00

# Planning

**Height position**

min 278  
H  
min 22  
min 72.5  
KH

**Peg positions**

5  
192  
37  
H  
KH

Carcase height KH	H
480 - 549 mm	KH x 0.3 - 28 mm
550 - 1.040 mm	KH x 0.3 - 57 mm

**Fixing**

37  
192  
21  
13.5  
16  
5  
KH

4 x chipboard screws  $\varnothing$  4 x 35 mm

**Front assembly**

KH  
1/2  
1/2  
X

3 hinges starting at carcase width 1200 mm and/or 12 kg front weight

Carcase height KH	X
480 - 549 mm	54 mm
550 - 1.040 mm	31 mm

**CLIP top 120° – alu frame hinge without spring**

21  
15  
1.7  
19  
66

**CLIP top alu frame connecting hinge**

21  
66  
3

**Screw-on assembly**

90°  
 $\varnothing$  7  $\pm$ 0.1  
R4  
31  
22  
19  
22  
11.4  
17  
1.4  
38  
44  
12.5  
42  
1.4

When changing material thickness, adjust the assembly dimensions accordingly.

**Carcase assembly**

Drilling jig

Part No. **65.5020**

# AVENTOS – the Blum product range for lift system applications

## A sneak preview

In order to provide you with more variety, we are currently developing additional lift system fittings for wall cabinets.

We are focusing on

- perfect movement,
- modern design,
- easy assembly and adjustment,
- uniform program.

### AVENTOS HK for flap stays

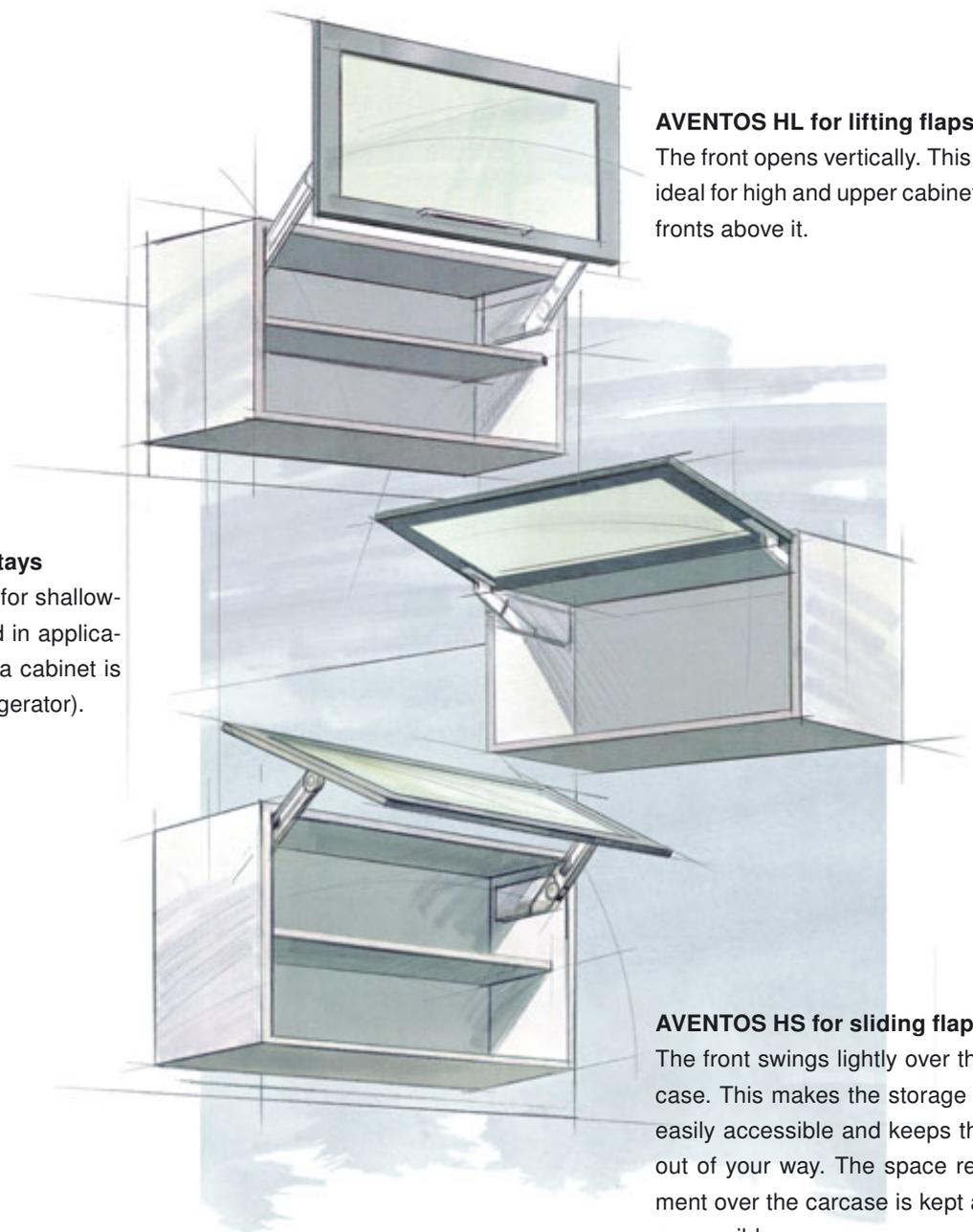
Designed predominantly for shallower carcass heights (Used in applications where for example a cabinet is positioned above a refrigerator).

### AVENTOS HL for lifting flaps

The front opens vertically. This flap is ideal for high and upper cabinets with fronts above it.

### AVENTOS HS for sliding flaps

The front swings lightly over the carcass. This makes the storage space easily accessible and keeps the flap out of your way. The space requirement over the carcass is kept as low as possible.



# Perfecting motion

## Reliable, safe, competent

Blum the reliable and competent partner for you: With the right products, useful services and knowledgeable people.

The desires and needs of our customers are the paramount driving force for our business.

**By engaging in dialogue together we discover new opportunities to perfect motion.**

In this way, we can optimise and upgrade our products and services for our customers around the globe – thus benefiting everyone: Furniture manufacturers, furniture sellers, furniture installers and furniture buyers.

Our decades-old philosophy is to supply real advantages to each of our customers (throughout the supply chain).



Blum innovations have become milestones in furniture hardware manufacturing. Helping you to provide high quality furniture and inspiration to furniture users: through the successful integration of beauty and function.



Our goal is to make opening and closing furniture an emotional experience.

“Perfecting motion” is our motto. It incorporates everything that is the best about the Blum brand.

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by Blum

