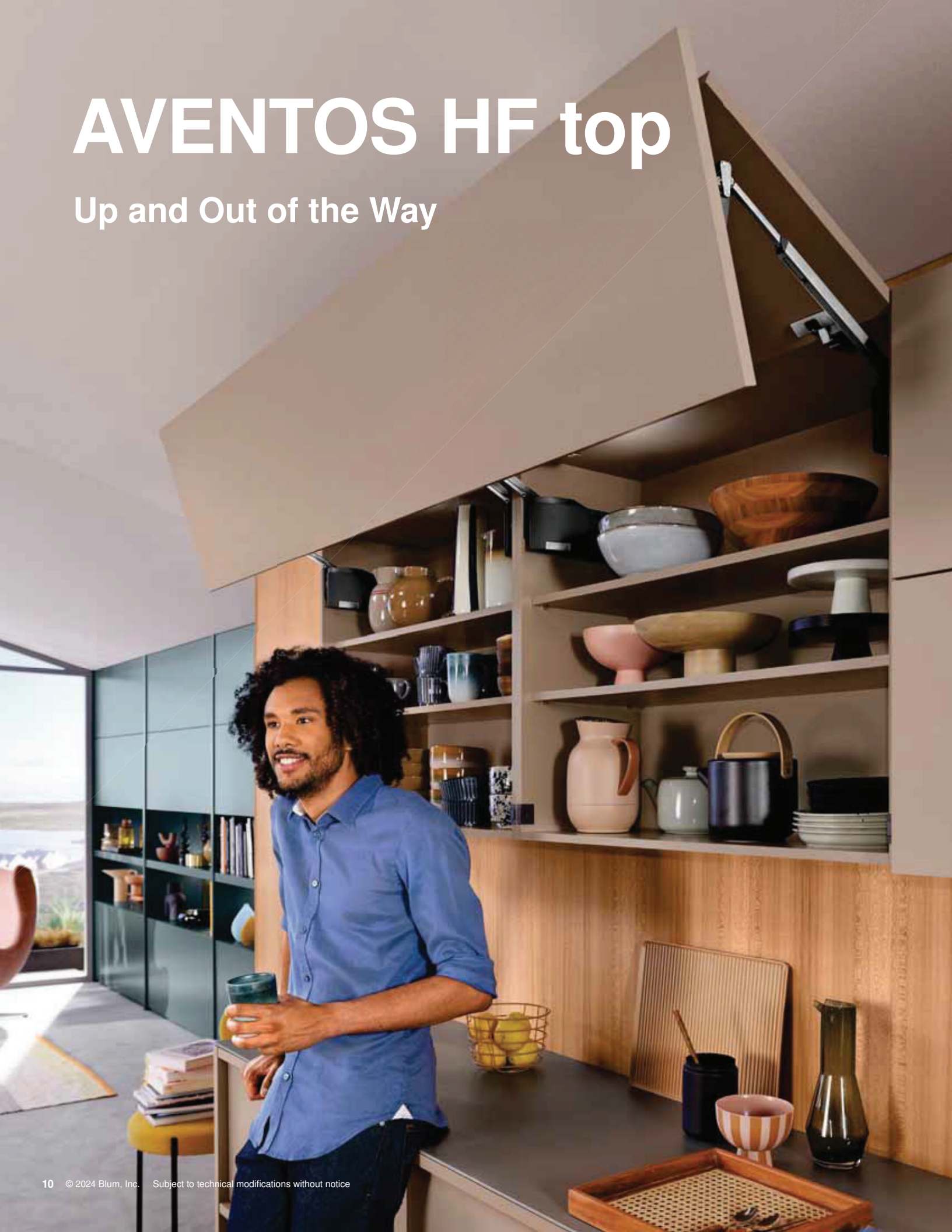
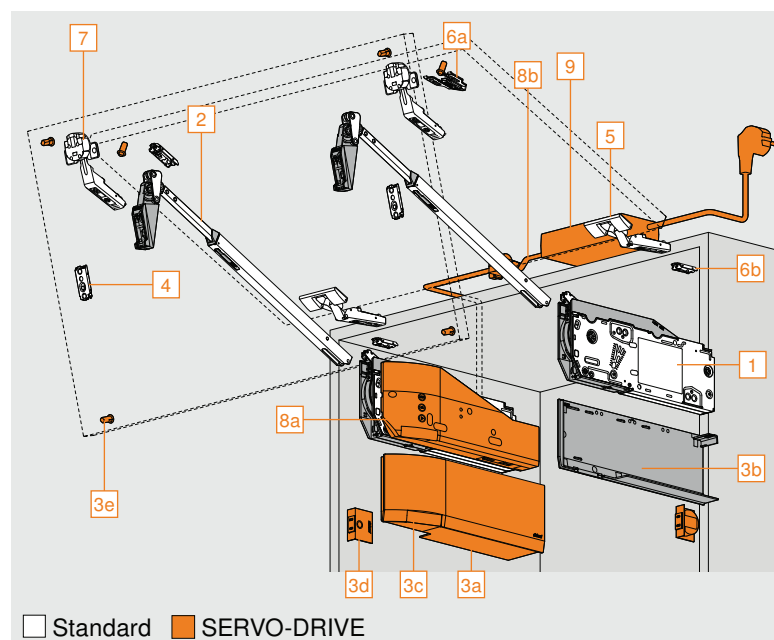


# AVENTOS HF top

Up and Out of the Way



## Ordering Information



- Ideal for taller wall cabinets with bi-fold doors
- Cabinet height **480** (18-7/8") to **1219** (48")
- Cabinet width up to **1828** (72")
- Inside depth of at least **264** (10-3/8")
- Integrated BLUMOTION for soft and effortless closing
- Light operating forces
- Variable stop
- Integrated opening angle stop
- Fixed position of the lift mechanism and mounting plate for lever
- Symmetrical levers
- Tool-free assembly
- Two lift mechanism fixing methods
- 3-dimensional adjustment of both doors
- Center hinge with finger safety feature

### Note

**Power factor = cabinet height\* [inch] x combined door weight including handle weight [lb]**

\*Calculate with theoretical cabinet height (TKH) for asymmetrical doors

For asymmetrical doors: **theoretical cabinet height (TKH)** = door height top (FHo) [inch] x 2 + gaps

The larger door must be at the top for asymmetrical doors.

We recommend the more powerful lift mechanism for applications in overlapping ranges. A trial application is recommended when you are in a borderline area of the individual lift mechanism's power factor range.

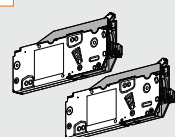
The power factor can be increased by 50% when using a third lift mechanism.

We recommend a third lift mechanism for wide cabinets. This will prevent the door from sagging when open.

### Lift mechanism set ☐ ☒

#### Fixing with wood screws and positioning system

1



#### Set includes:

- Symmetrical lift mechanism with positioning system (qty 2)
- Wood screws Ø4 x 35 (qty 8)

#### Power factor

238–1188

880–1698

Part no.

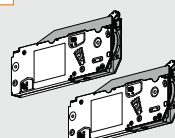
22F2500

22F2800

### Lift mechanism set ☐ ☒

#### Fixing with pre-attached system screws

1



#### Set includes:

- Symmetrical lift mechanism with pre-attached system screws (qty 2)

#### Power factor

238–1188

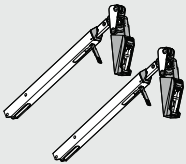
880–1698

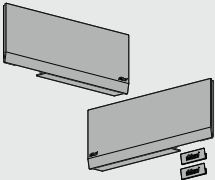
Part no.

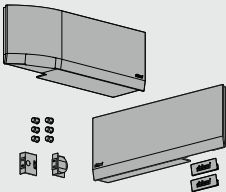
22F2510


22F2810

Ordering Information

Lever set <input type="checkbox"/> <input checked="" type="checkbox"/>		
<div>2</div> 	<b>Set includes:</b> — Symmetrical lever (qty 2)	*For asymmetrical doors: <b>theoretical cabinet height (TKH) = door height top (FHo) x 2 + gaps</b>
		<b>Cabinet height*</b> <div>Part no.</div>
		480 (18-7/8")–610 (24") <div>22F3200</div>
		600 (23-5/8")–910 (35-7/8") <div>22F3500</div>
		840 (33-1/8")–1219 (48") <div>22F3900</div>

Cover cap set <input type="checkbox"/>		
<div>3</div> 	<b>Set includes:</b> <div>-</div> Cover cap left <div>3b</div> Cover cap right <div>3c</div> Stainless steel branding element – Blum logo (qty 2)	Specify color when ordering: <div>Dark gray (TGR)</div> <div>Silk white (SW)</div> <div>Light gray (HGR)</div> <div>Part no.</div>
		<div>Cover cap set</div> <div>22.8000.NA</div>

Cover cap set for SERVO-DRIVE <input checked="" type="checkbox"/>		
<div>3</div> 	<b>Set includes:</b> <div>3a</div> SERVO-DRIVE cover cap left (qty 1) <div>3b</div> Cover cap right (qty 1) <div>3c</div> Stainless steel branding element – Blum logo (qty 2) <div>3d</div> SERVO-DRIVE switch (qty 2) <div>3e</div> Blum distance bumper Ø5 (qty 6)	Specify color when ordering: <div>Dark gray (TGR)</div> <div>Silk white (SW)</div> <div>Light gray (HGR)</div> <div>Part no.</div>
		<div>Cover cap set for SERVO-DRIVE</div> <div>23.8000.NA</div>

Branding element (optional) <input type="checkbox"/> <input checked="" type="checkbox"/>				
<div>3c</div> <div></div>	<div>Specify color when ordering dark gray (TGR) or silk white matte (SW-M)</div> <div><div><div></div>Dark gray (TGR)</div><div><div></div>Silk white matte (SW-M)</div><div><div></div>Stainless steel (IN-G)</div></div>			
		Printed* (qty 2)	SW-M, TGR	IN-G
		Embossed* (qty 2)	ABD.1000.BL	ABD.1009.BL
		Plain (qty 2)	ABD.1000.BT	ABD.1009.BT
			ABD.1000	ABD.1009
*Branding element is printed or embossed with Blum logo				
Customized branding element				
Printed: 1000 pc minimum				
Embossed: 5000 pc minimum				

Wood or wide aluminum door hardware set for frameless or partial overlay face frame		
<b>Set includes:</b>		
<div>4</div> Mounting plate for lever; in-line (qty 2)	Screw-on	175H3100
<div>5</div> CLIP top 120° free swing hinge (qty 2)	Press-in	70T5580.TL
<div>6a</div> CLIP mounting plate; face frame (qty 4)	Screw-on	175H6000
<div>7</div> CLIP top center hinge (qty 2)	Press-in	78Z5530T
Hardware set – frameless or partial overlay face frame		<div>Part no.</div> <div>78Z5530T28</div>

## Ordering Information

### Wood or wide aluminum door hardware set for large overlay face frame

#### Set includes:

4	Mounting plate for lever for large overlay 5-piece doors (qty 2)	Screw-on	175H3F00
5	COMPACT 33 free swing hinge (qty 2)	Press-in	32.4630
6a	CLIP mounting plate; face frame (qty 2)	Screw-on	175H6000
6b	COMPACT 33 mounting plate; 1-1/4" overlay (qty 2)	Screw-on	130.1130.02
7	CLIP top center hinge (qty 2)	Press-in	78Z5530T

Part no.

Hardware set – large overlay face frame

78Z5530TA9

### Narrow aluminum door hardware set

#### Set includes:

4	CLIP narrow al. mounting plate for lever (qty 2)	Screw-on	175H5B00
5	CLIP top free swing narrow al. top door hinge (qty 2)	Screw-on	72T550A.TL
6a	CLIP narrow al. center hinge mounting plate (qty 2)	Screw-on	175H5A00
6b	CLIP top door mounting plate; in-line (qty 2)	Screw-on	175H3100
7	CLIP top narrow al. center hinge (qty 2)	Screw-on	78Z550AT
-	Aluminum screw for center mounting plate, bottom hinge, top hinge, and mounting plate for lever (qty 18)		699.110

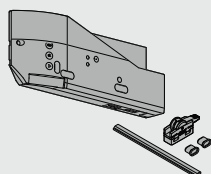
Part no.

Hardware set – narrow aluminum

78Z550ATA6

### SERVO-DRIVE set


8



#### Set includes:

8a	SERVO-DRIVE drive unit (qty 1)
8b	SERVO-DRIVE distribution cable, 1500 (qty 1)
-	Connecting node (qty 1)
-	Cable end protector (qty 2)

**NOTE:** For three lift mechanisms or more, we recommend two synchronized drive units

 Dust gray (R7037)

Part no.

SERVO-DRIVE set

23.A000

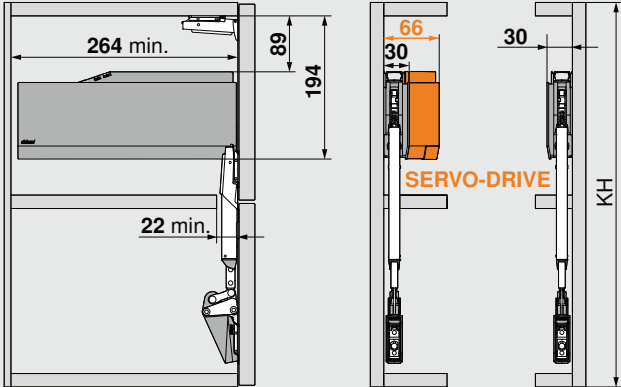
### SERVO-DRIVE power supply unit and accessories

9

See page 66 for complete ordering information

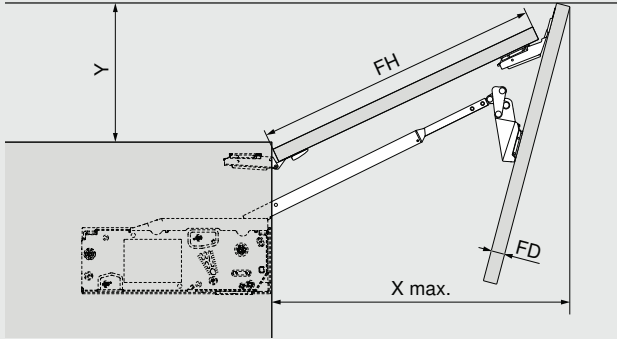
Planning

Space requirement



KH = Cabinet height

Space requirement upper



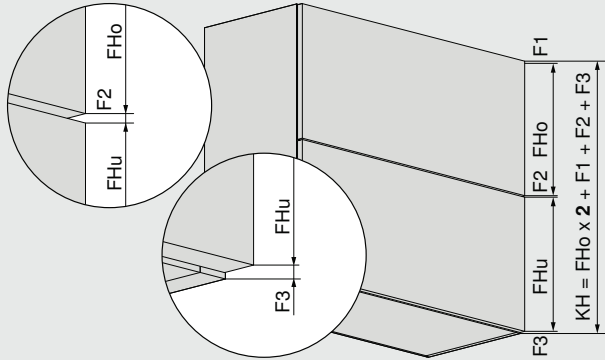
X maximum =  $FH \times 0.9 + 1.5 \times FD + 35$

FD = Door thickness

FH = Door height

Opening angle stop	Y
None	$FH \times 0.44 + 38$
107°	$FH \times 0.29 + 35$
97°	$FH \times 0.12 + 31$
88°	28
81°	0

Symmetrical door



F1 = Gap 1

F2 = Gap 2

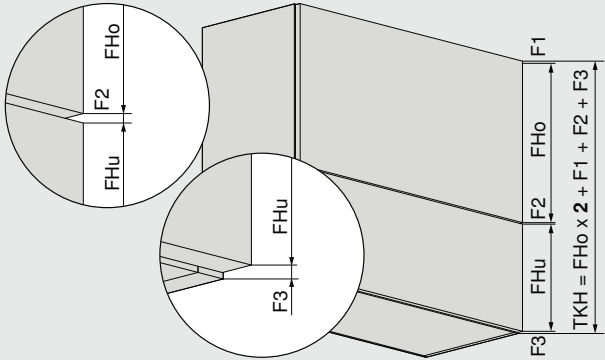
F3 = Gap 3

FH0 = Door height top

FHu = Lower door height

KH = Cabinet height

Asymmetrical door



F1 = Gap 1

F2 = Gap 2

F3 = Gap 3

FH0 = Door height top

FHu = Lower door height

TKH = Theoretical cabinet height

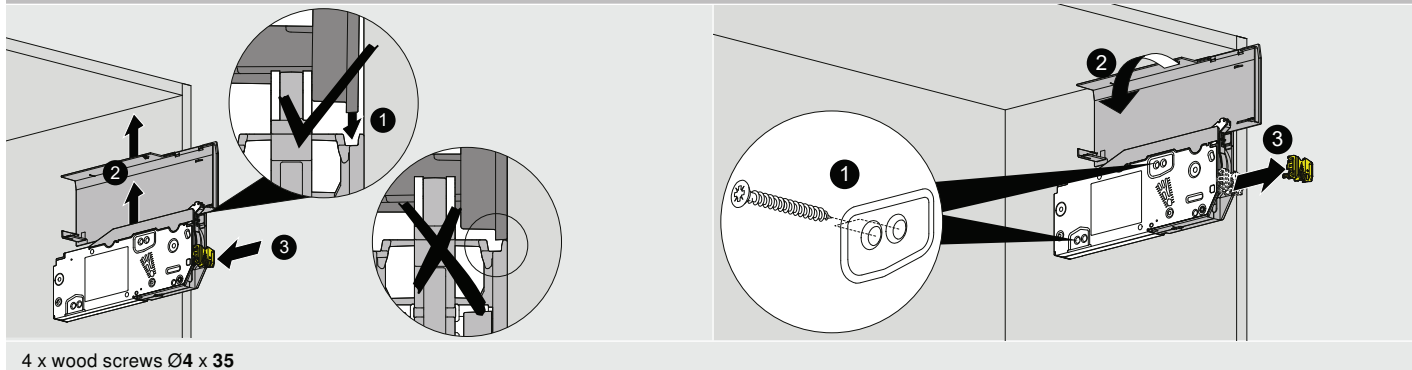


Blum's Product Configurator is recommended for planning asymmetrical door applications

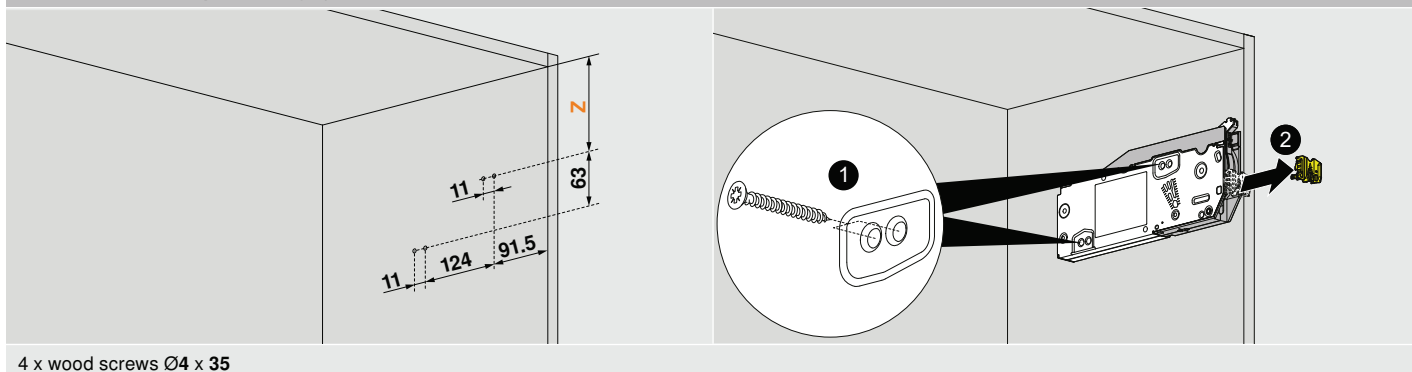
[www.blum.com/configurator](http://www.blum.com/configurator)

## Planning

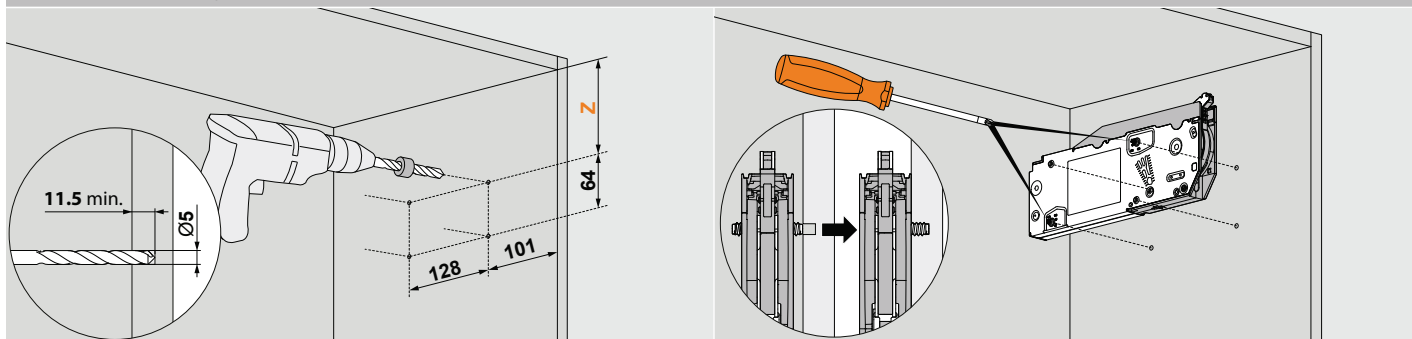
### Lift installation with positioning system (no pre-drilling required) - Frameless cabinet with CLIP top hinges



### Lift installation with positioning system



### Lift installation with system screws



Cabinet type	Hinge	Cabinet height range	Z
Frameless	CLIP top	520 (20-1/2")–1219 (48")	116
		480 (18-7/8")–519 (20-1/2")	93
Face frame with block-out	CLIP top	560 (22")–1219 (48")	119.5
		480 (18-7/8")–559 (22")	84.5
Face frame with block-out	COMPACT/COMPACT CLIP	560 (22")–1219 (48")	99.5
		480 (18-7/8")–559 (22")	77.5

### Face frame application

See page 62 for information on face frame mounting brackets.



Planning

Wooden Doors and Wide Aluminum Frames

Lever set mounting plate location for wood and wide aluminum frames

Cabinet type	Hinge	Cabinet height (KH)	Z
Frameless	CLIP top	480 (18-7/8")–519 (20-1/2")	170
		560 (22")–1219 (48")	189
Face frame	CLIP top	480 (18-7/8")–559 (22")	172
		560 (22")–1219 (48")	194
Face frame	COMPACT COMPACT CLIP	480 (18-7/8")–559 (22")	170
		560 (22")–1219 (48")	189

F1 = Gap 1

F2 = Gap 2

FAu = Bottom door overlay

FHo = Door height top

FHu = Lower door height

SFA = Side door overlay

Frameless Application

CLIP top hinge

Top door hinge

\*Bore at 3 then adjust 1

Overlay				
13*	14	15	16	17
3	3	4	5	6

B = Bore distance

Face Frame Application

CLIP top hinge

Top door hinge – small overlay

\*Bore at 3 then adjust 1

Overlay				
13*	14	15	16	17
3	3	4	5	6

B = Bore distance

Top door hinge – large overlay

Overlay
32 (1-1/4")
3 (1/8")

B = Bore distance

CLIP top hinge

Bottom door hinge

Reveal			
6	5	4	3
3	4	5	6

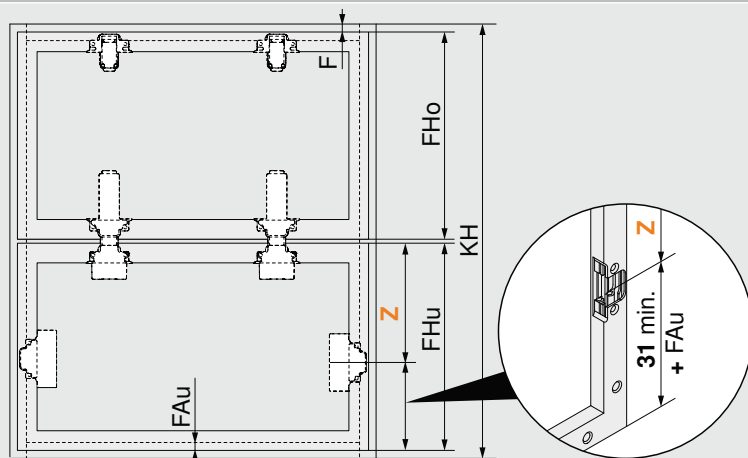
B = Bore distance

Hinge boring pattern

## Planning

### Narrow Aluminum Frames

Lever set mounting plate location for narrow aluminum frames



Cabinet height (KH)

480–519

188

520–1219

207

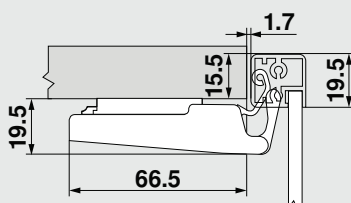
F = Gap

FAu = Bottom door overlay

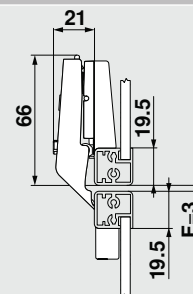
FHo = Door height top

FHu = Lower door height

CLIP top 120° aluminum frame door hinge



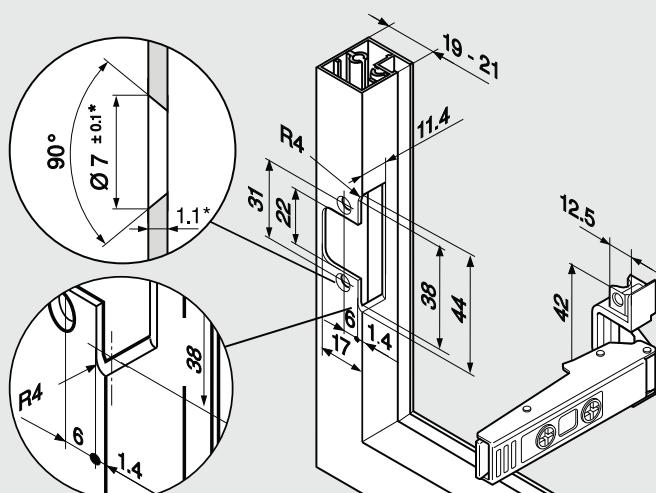
CLIP top aluminum center hinge



F = 1.5 minimum gap

The gap needs to be adjusted for frame thicknesses over 20.5

Screw-on assembly (hinge | adapter plate)



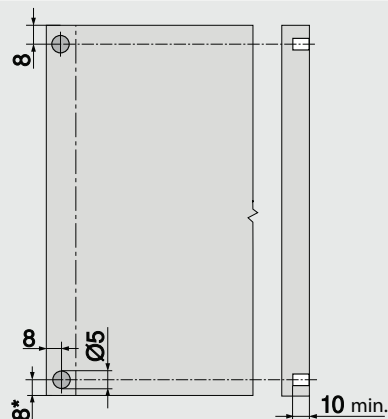
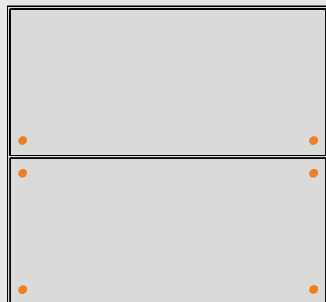
\*When changing material thickness, adjust the assembly dimensions accordingly



## Planning

### SERVO-DRIVE for AVENTOS HF top

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



**NOTE:** The distance bumper should not touch the SERVO-DRIVE switch

Insert Blum distance bumper (do not glue)

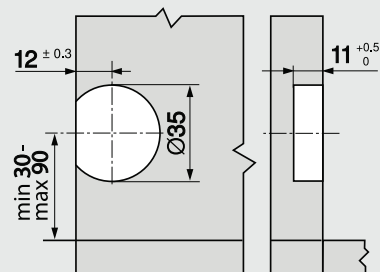
#### Recommendation for aluminum frames

Consider drilling the Blum distance bumper in the cabinet side

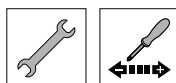
A trial application must be carried out when fixing to the door

\*From cabinet bottom edge for doors that protrude below

#### SERVO-DRIVE switch



## Installation and Adjustment Instructions



Use QR code or link below for AVENTOS HF top installation and adjustment instructions

[www.blum.com/hftopassembly](http://www.blum.com/hftopassembly)

