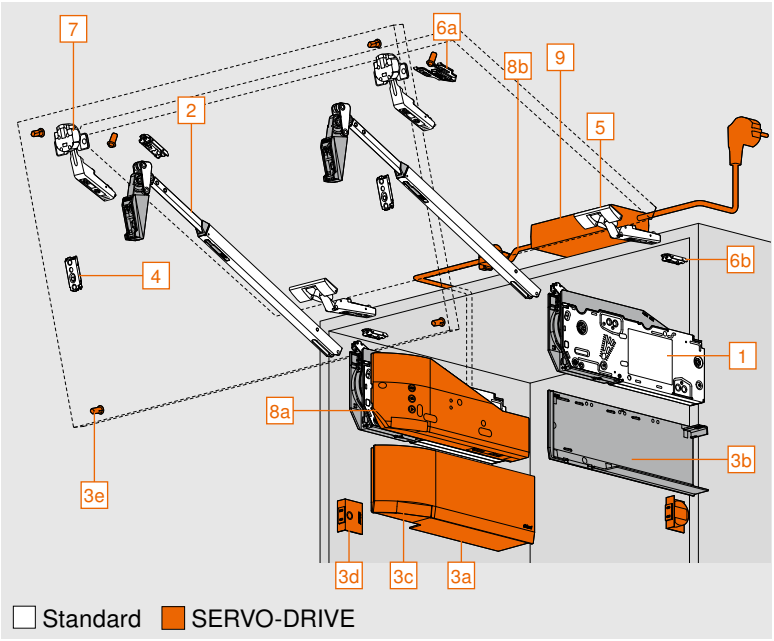
AVENTOS HF top

Up and out of the way



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Ordering information



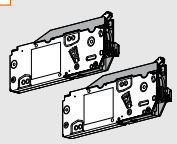
- Ideal for taller wall cabinets with bi-fold doors
- Cabinet height **480** (18-7/8") to **1219** (48")
- Cabinet width up to **1828** (72")
- Inside depth of at least **264** (10-3/8")
- Integrated BLUMOTION for soft and effortless closing
- Light operating forces
- Variable stop
- Integrated opening 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



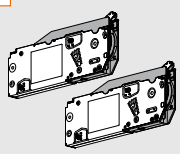
Set includes:
- Symmetrical lift mechanism with positioning system (qty 2)
- Wood screws Ø**4** x **35** (qty 8)

Power factor	Part no.
238–1188	**22F2500**
880–1698	**22F2800**

Lift mechanism set ☐ ■

Fixing with pre-attached system screws

1



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

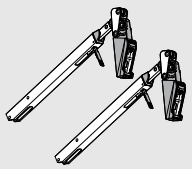
Power factor	Part no.
238–1188	**22F2510**
880–1698	**22F2810**

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Ordering information

Lever set

2



Set includes:
– Symmetrical lever (qty 2)

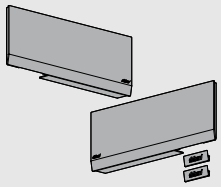
Specify finish when ordering:
Nickel (NI) Eclipse black (ECS)

Cabinet height*	Part no.
480 (18-7/8")–**610** (24")	22F3200
600 (23-5/8")–**910** (35-7/8")	22F3500
840 (33-1/8")–**1219** (48")	22F3900

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

Cover cap set

3



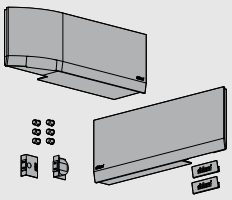
Set includes:
- Cover cap left
3b Cover cap right
3c Stainless steel branding element – Blum logo (qty 2)

Specify color when ordering:
Dark gray (TGR)
Silk white (SW)
Light gray (HGR)

	Part no.
Cover cap set	22.8000

Cover cap set for SERVO-DRIVE

3



Set includes:
3a SERVO-DRIVE cover cap left (qty 1)
3b Cover cap right (qty 1)
3c Stainless steel branding element – Blum logo (qty 2)
3d SERVO-DRIVE switch (qty 2)
3e Blum distance bumper Ø**5** (qty 6)

Specify color when ordering:
Dark gray (TGR)
Silk white (SW)
Light gray (HGR)

	Part no.
Cover cap set for SERVO-DRIVE	23.8000

Branding element (optional)

3c



Specify color when ordering dark gray (TGR) or silk white matte (SW-M)
Dark gray (TGR)
Silk white (SW)
Light gray (HGR)

	SW-M, TGR	IN-G
Printed* (qty 2)	ABD.1000.BL	ABD.1009.BL
Embossed* (qty 2)	ABD.1000.BT	ABD.1009.BT
Plain (qty 2)	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

Set includes:

4	Mounting plate for lever; in-line (qty 2)	Screw-on	175H3100
5	CLIP top 120° free swing hinge (qty 2)	Press-in	70T5580.TL
6a	CLIP mounting plate; face frame (qty 4)	Screw-on	175H6000
7	CLIP top center hinge (qty 2)	Press-in	78Z5530T

Specify finish when ordering:
Nickel (NI) Onyx black (ONS)

	Part no.
Hardware set – frameless or partial overlay face frame	78Z5530T28

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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

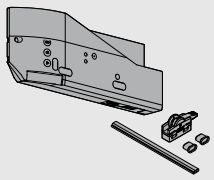
Specify finish when ordering:

Nickel (NI) Onyx black (ONS)

	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**

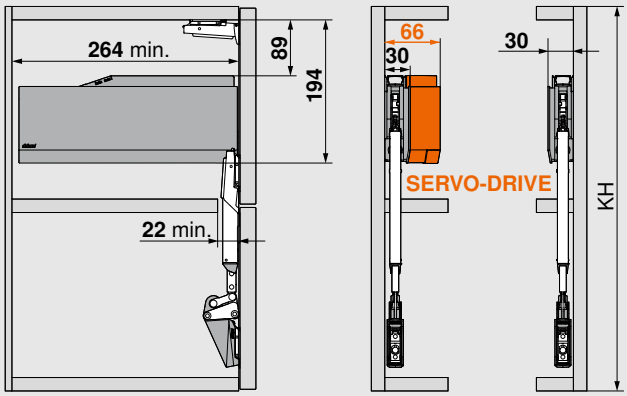
SERVO-DRIVE power supply unit and accessories

9 See page 70 for complete ordering information

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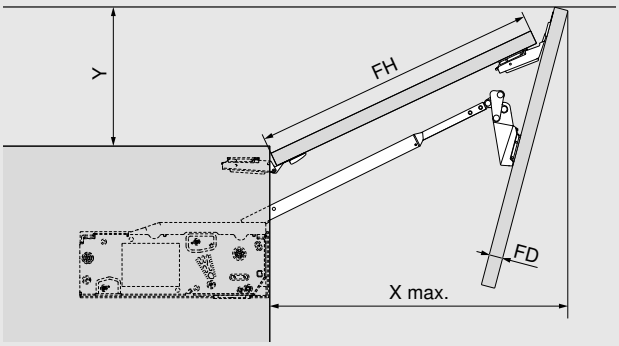
Planning

Space requirement



KH = Cabinet height

Space requirement upper



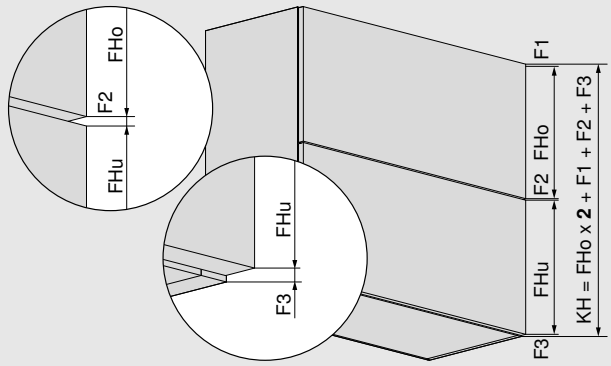
X maximum = FH x **0.9** + **1.5** x FD + **35**

FD = Door thickness

FH = Door height

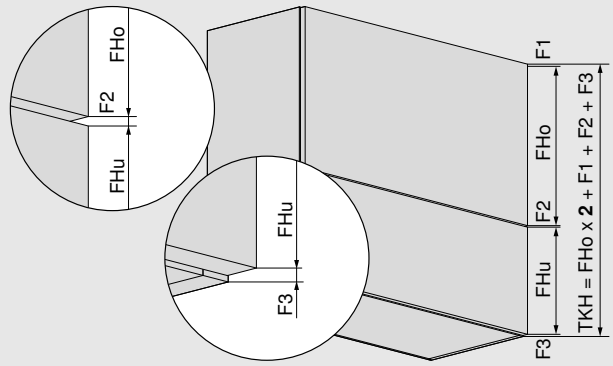
Opening angle stop	Y
None	FH x **0.44** + **38**
107°	FH x **0.29** + **35**
97°	FH x **0.12** + **31**
88°	**28**
81°	**0**

Symmetrical door



F1 = Gap 1
F2 = Gap 2
F3 = Gap 3
FHo = Door height top
FHu = Lower door height
KH = Cabinet height

Asymmetrical door



F1 = Gap 1
F2 = Gap 2
F3 = Gap 3
FHo = Door height top
FHu = Lower door height
TKH = Theoretical cabinet height

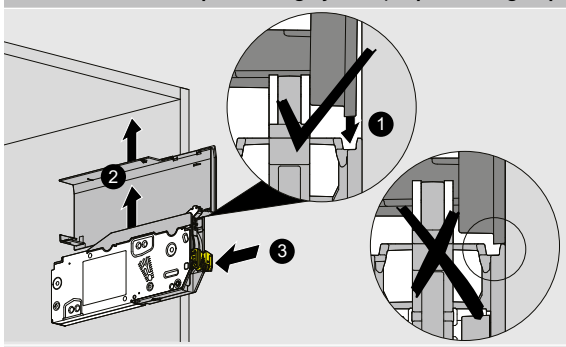
Blum's product configurator is recommended for planning asymmetrical door applications

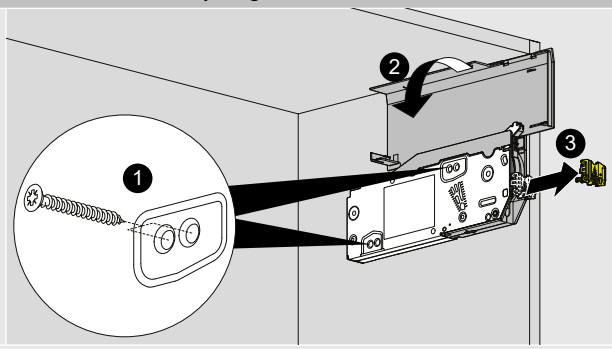
www.blum.com/configurator

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Planning

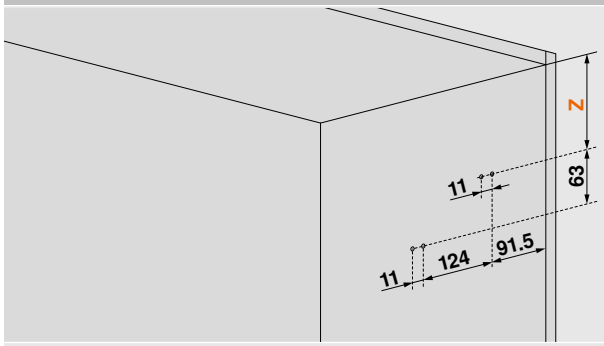
Lift installation with positioning system (no pre-drilling required) - Frameless cabinet with CLIP top hinges

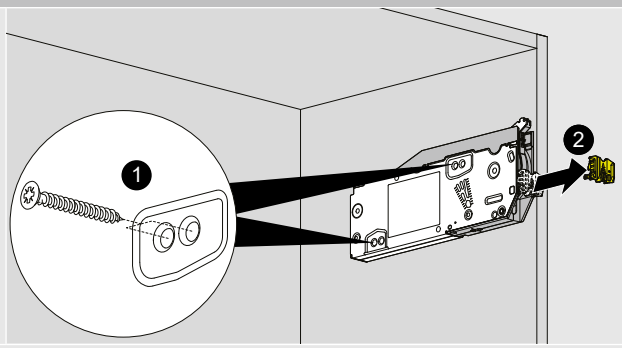




4 x wood screws Ø**4** x **35**

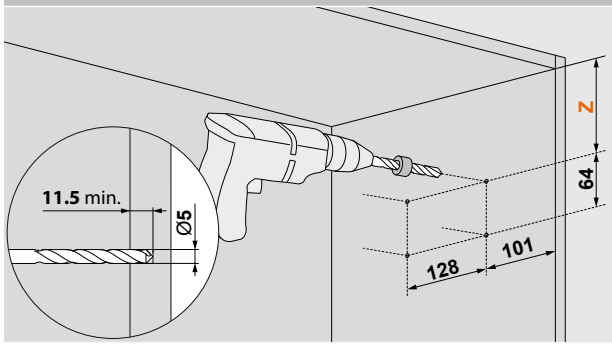
Lift installation with positioning system

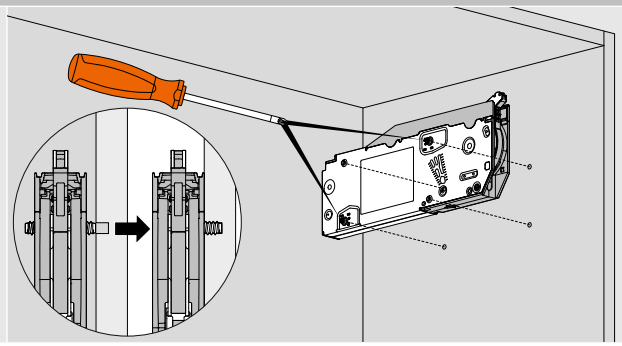




4 x wood screws Ø**4** x **35**

Lift installation with system screws





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

Face frame application

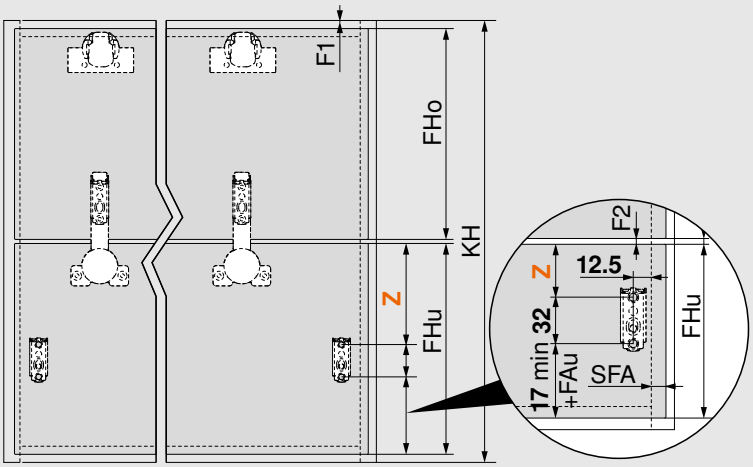
See page 64 for information on face frame mounting brackets.

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Planning

Wooden doors and wide aluminum frames

Lever set mounting plate location for wood and wide aluminum frames



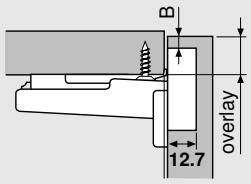
Cabinet type	Hinge	Cabinet height (KH)	Z
Frameless	CLIP top	**480** (18-7/8")–**519** (20-1/2")	**170**
		520 (20-1/2")–**1219** (48")	**189**
Face frame	CLIP top	**480** (18-7/8")–**559** (22")	**172**
		560 (22")–**1219** (48")	**194**
Face frame	COMPACT COMPACT CLIP	**480** (18-7/8")–**559** (22")	**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**

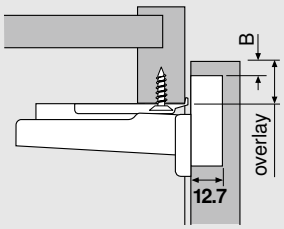
Overlay				
13*	14	15	16	17
3	3	4	5	6

B = Bore distance

Face frame application

CLIP top hinge

Top door hinge – small overlay

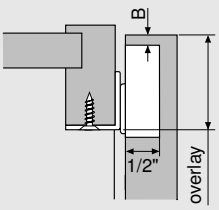


*Bore at **3** then adjust **1**

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

B = Bore distance

Top door hinge – large overlay

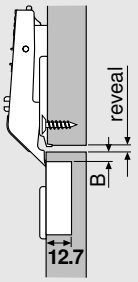


Overlay
32 (1-1/4")
3 (1/8")

B = Bore distance

CLIP top hinge

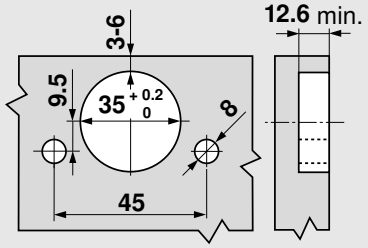
Bottom door hinge



Reveal			
6	5	4	3
3	4	5	6

B = Bore distance

Hinge boring pattern

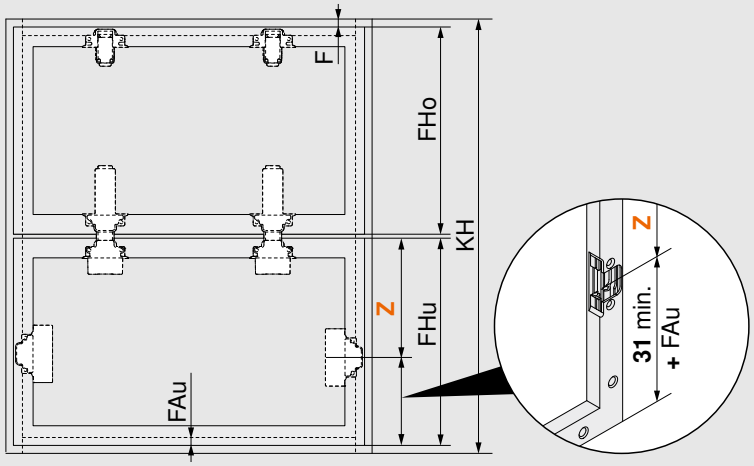


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Planning

Narrow aluminum frames

Lever set mounting plate location for narrow aluminum frames



Cabinet height (KH)	Z
480–519	188
520–1219	207

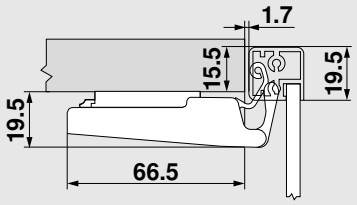
F = Gap

FAu = Bottom door overlay

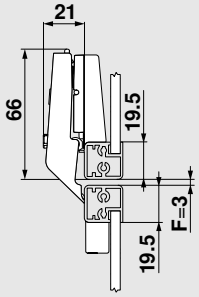
FHo = Door height top

FHu = Lower door height

CLIP top 120° aluminum frame door hinge



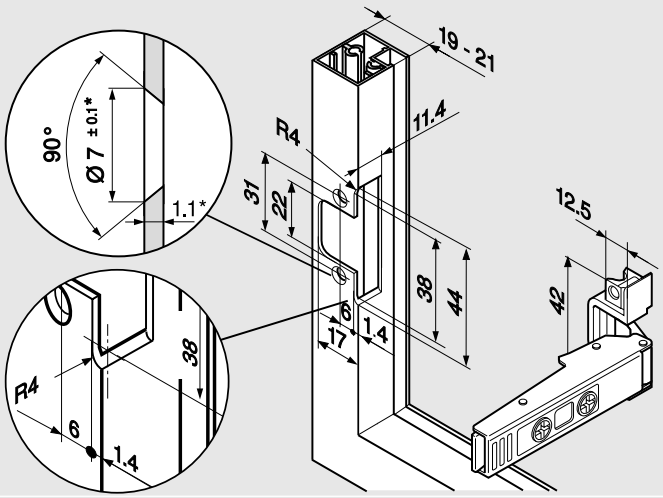
CLIP top aluminum center hinge



F = **1.5** minimum gap

The gap needs to be adjusted for frame thicknesses over **20.5**

Screw-on assembly (hinge | adapter plate)



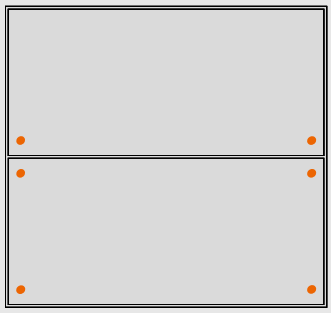
*When changing material thickness, adjust the assembly dimensions accordingly

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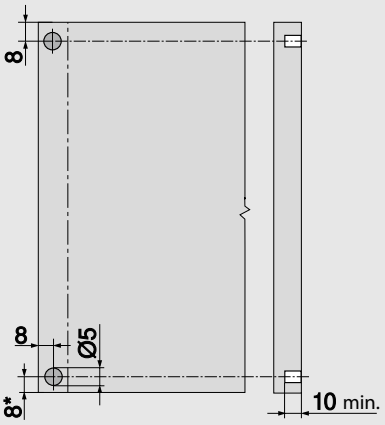
Planning

SERVO-DRIVE for AVENTOS HF top

Blum distance bumper (SERVO-DRIVE application only)



Insert Blum distance bumper (do not glue)



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

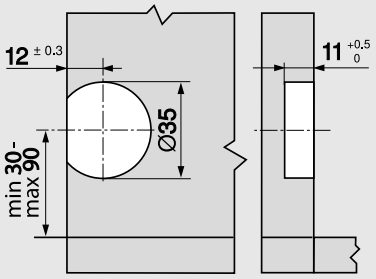
Recommendation for aluminum frames

Consider drilling the Blum distance bumper in the cabinet side

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

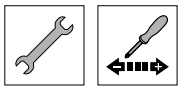
*From cabinet bottom edge for doors that protrude below

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

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