

AVENTOS

Lift Systems



www.blum.com

 **blum**[®]

The latest generation in our comprehensive repertoire

With a focus on efficiency and ease of use, the new AVENTOS top program sets a new standard in functionality and convenience. We have reduced the size of the mechanism to optimize space within the cabinet and streamlined the installation process. This takes the guesswork out of measuring and calculating positions for a seamless experience. Building upon years of innovation, our newest evolution improves both form and function.

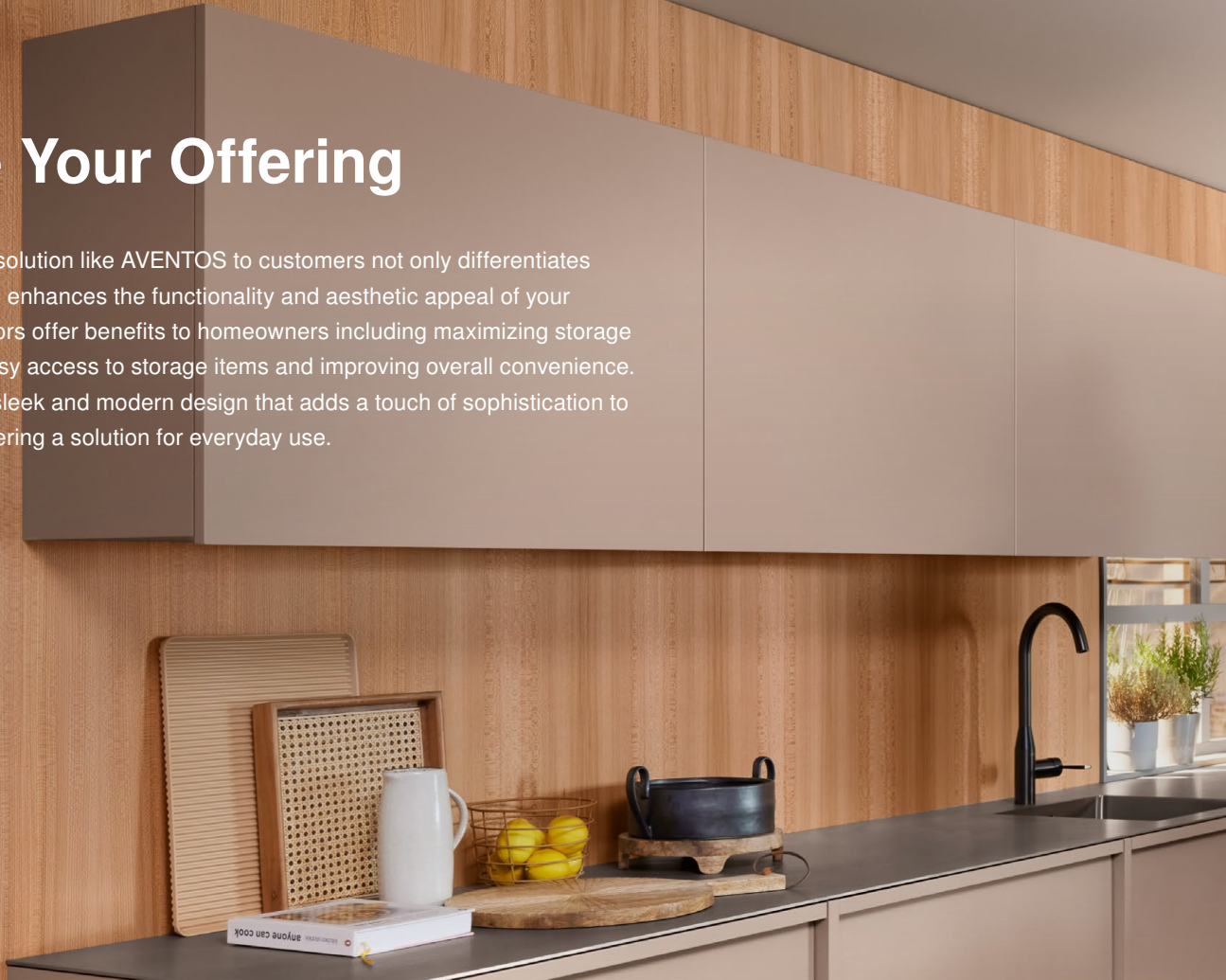


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Elevate Your Offering

Providing a unique solution like AVENTOS to customers not only differentiates your brand, but also enhances the functionality and aesthetic appeal of your cabinets. Lift-up doors offer benefits to homeowners including maximizing storage space, providing easy access to storage items and improving overall convenience. AVENTOS lends a sleek and modern design that adds a touch of sophistication to any space while offering a solution for everyday use.



Simplified Assembly and Installation with Positioning System

Thanks to the integrated positioning system, you can install the lift mechanism quickly, easily and correctly – and without any calculations.



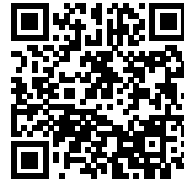
Effortless Opening and Closing with Integrated Motion Technology

The integrated BLUMOTION soft-close mechanism offers effortless closing every time. You can also incorporate the SERVO-DRIVE electrical opening support system or TIP-ON mechanical opening support system so handleless cabinet fronts open with a light touch.



Customized Solution with Wide Range of Applications

No matter the need, we have a lift system that can fulfill it. Whether the cabinet door should fold, swing up and over, pivot or lift straight up, cabinet interiors are fully visible once the door is completely out of the way.



More information
about AVENTOS:
www.blum.com/aventostop



Reliable Quality

For us, product quality is not just about design and function. Our hardware suits a wide range of applications and can be assembled and installed with utmost precision, so that you exceed your customers' expectations.



We're committed to creating a powerful product experience. We constantly test product durability through rigorous standards knowing a kitchen will last 20+ years. Because we are so confident in our quality, we offer a lifetime warranty on our products as long as the original owner has possession of the cabinet. A full 5-year warranty is offered when electrical components manufactured by Blum are used in combination with our other products.

Precision Testing

Each piece of hardware is tested extensively according to strict criteria. Testing is performed in our own labs, as well as in conjunction with international testing organizations. 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.



Moving Ideas for Sustainability

Blum has been a global leader in sustainability, energy efficiency and carbon reduction for decades. Our overarching policy is informed by the United Nations' 17 Sustainable Development Goals, with special focus on those most closely aligned with our operations and our ability to make a positive impact. Each year we establish new standards for reducing wasted material, water and energy to ensure our production facilities have as little impact on the environment as possible.

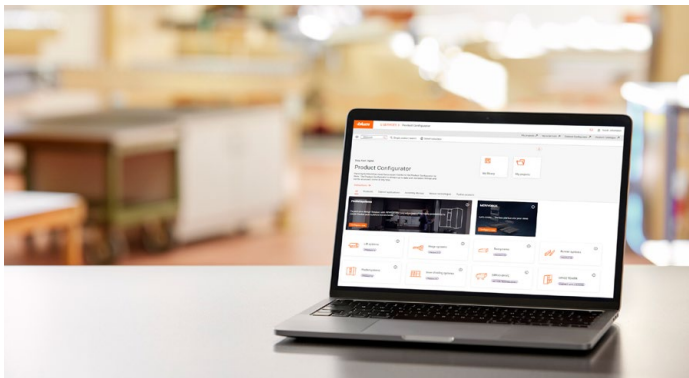
Solutions for All Applications



Accessibility Meets Design Freedom

Since the cabinet doors open upwards, AVENTOS provides an excellent view into the cabinet interior, enabling comfortable and ergonomic access to storage items.

The AVENTOS program opens up a whole new world of design possibilities for kitchen and office spaces. Even the widest and heaviest doors can be accommodated. Wide base cabinet designs can now be mirrored in the wall cabinets above to create a more uniform look.



Easy Planning for AVENTOS

Blum's online Product Configurator provides a parts list and planning information based on your specifications. Once complete, you can export your results to a shareable document.



Learn more about the
Product Configurator:
[www.blum.com/
configurator](http://www.blum.com/configurator)

AVENTOS HF top		Frameless and face frame cabinet		
	Bi-fold door Height range: 480 (18-7/8") to 1219 (48") Cabinet widths up to 1828 (72")	Wood or wide aluminum frame door	Narrow aluminum frame door	SERVO-DRIVE
	Ordering information	page 11	page 11	page 13, 66
	Cabinet preparation	page 14	page 14	page 18

AVENTOS HS top		Frameless and face frame cabinet		
	Up-and-over door Height range: 350 (13-3/4") to 800 (31-1/2") Cabinet widths up to 1828 (72")	Wood or wide aluminum frame door	Narrow aluminum frame door	SERVO-DRIVE
	Ordering information	page 21	page 21	page 23, 66
	Cabinet preparation	page 24	page 24	page 26

AVENTOS HL top		Frameless and face frame cabinet		
	Lift up door Height range: 300 (11-13/16") to 580 (22-13/16") Cabinet widths up to 1828 (72")	Wood or wide aluminum frame door	Narrow aluminum frame door	SERVO-DRIVE
	Ordering information	page 29	page 29	page 31, 66
	Cabinet preparation	page 32	page 32	page 35

AVENTOS HK top		Frameless and face frame cabinet		
	Stay lift door Height range: 205 (8") to 610 (24") Cabinet widths up to 1828 (72")	Wood or wide aluminum frame door	Narrow aluminum frame door	SERVO-DRIVE
	Ordering information	page 37	page 37	page 39, 66
	Cabinet preparation	page 43	page 43	page 45

AVENTOS HK-S		Frameless and face frame cabinet		
	Stay lift door Height range: 186 (7-3/8") to 610 (24") Cabinet widths up to 1828 (72")	Wood or wide aluminum frame door	Narrow aluminum frame door	TIP-ON for AVENTOS
	Ordering information	page 47	page 47	page 48
	Cabinet preparation	page 50	page 50	page 50

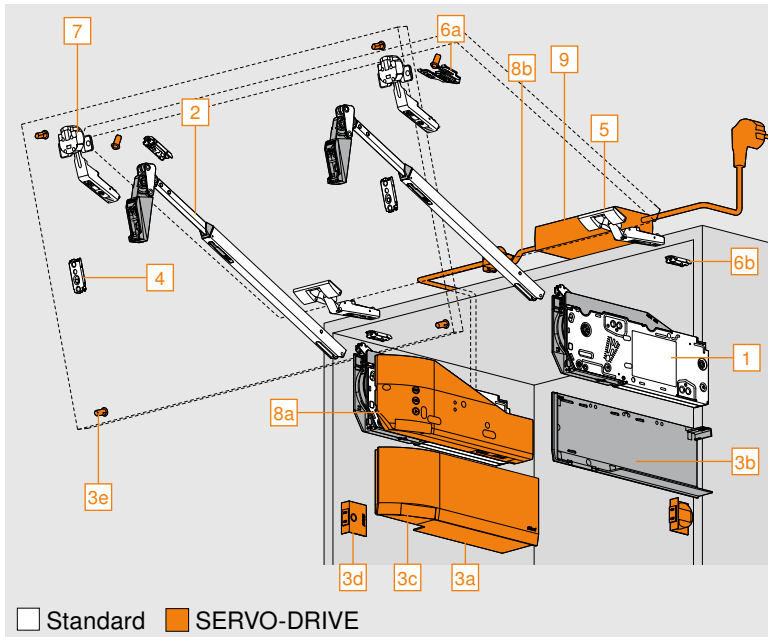
AVENTOS HK-XS		Frameless and face frame cabinet		
	Stay lift door Height range: 238 (9-3/8") to 610 (24") Cabinet widths up to 1828 (72")	Wood or wide aluminum frame door	Narrow aluminum frame door	TIP-ON for AVENTOS
	Ordering information	page 53	page 53	page 55
	Cabinet preparation	page 57	page 58	page 60

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.

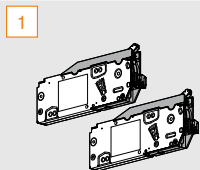
We recommend the more powerful lift mechanism for applications in overlapping ranges. A trial application is recommended when you are in a borderline area of the individual lift mechanism's power factor range.

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 Standard SERVO-DRIVE

Fixing with wood screws and positioning system



Set includes:

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

Power factor

238–1188

880–1698

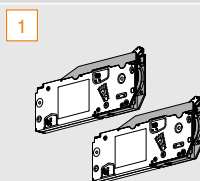
Part no.

22F2500

22F2800

Lift mechanism set Standard SERVO-DRIVE

Fixing with pre-attached system screws



Set includes:

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

Power factor

238–1188

880–1698

Part no.

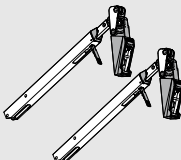
22F2510

22F2810

Ordering Information

Lever set

2



Set includes:

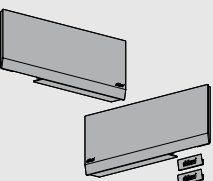
- Symmetrical lever (qty 2)

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

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

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:

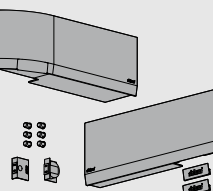
- Dark gray (TGR)
- Silk white (SW)
- Light gray (HGR)

Part no.

Cover cap set	22.8000.NA
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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 Ø5 (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.NA
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Branding element (optional)

3c



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

- Dark gray (TGR)
- Silk white matte (SW-M)
- Stainless steel (IN-G)

	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

Part no.

Hardware set – frameless or partial overlay face frame	78Z5530T28
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Ordering Information

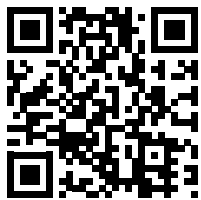
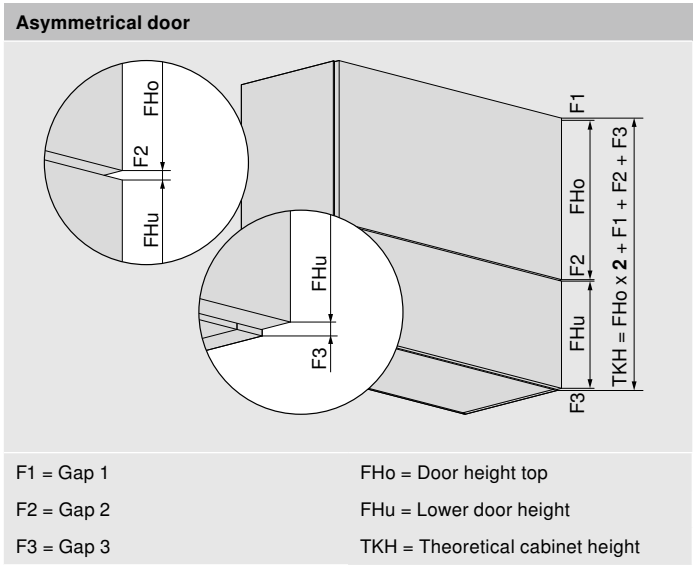
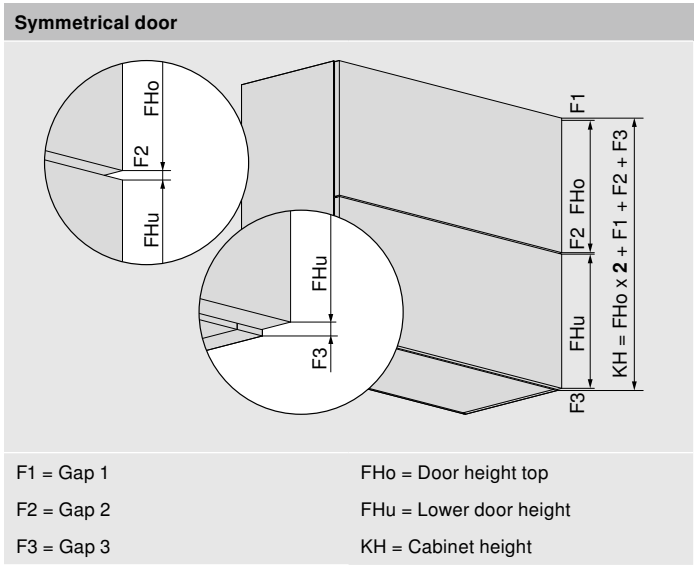
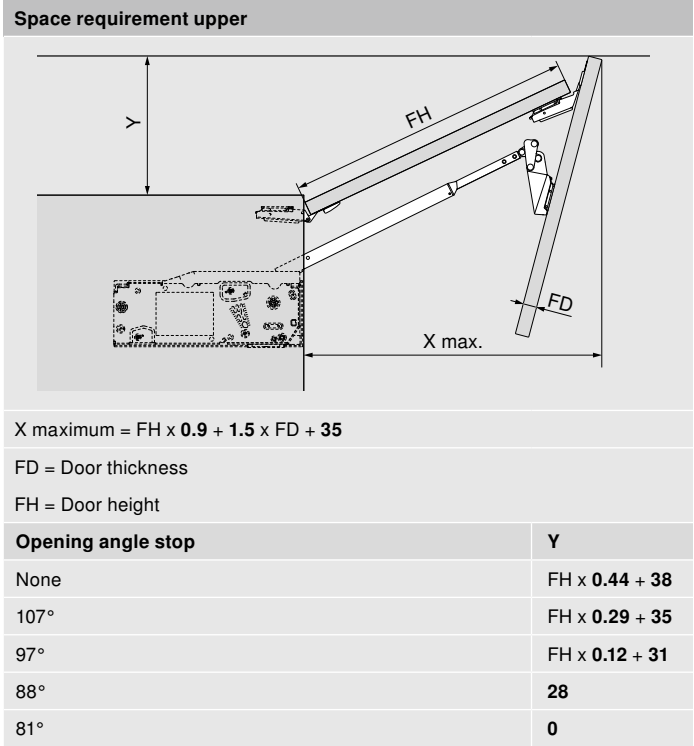
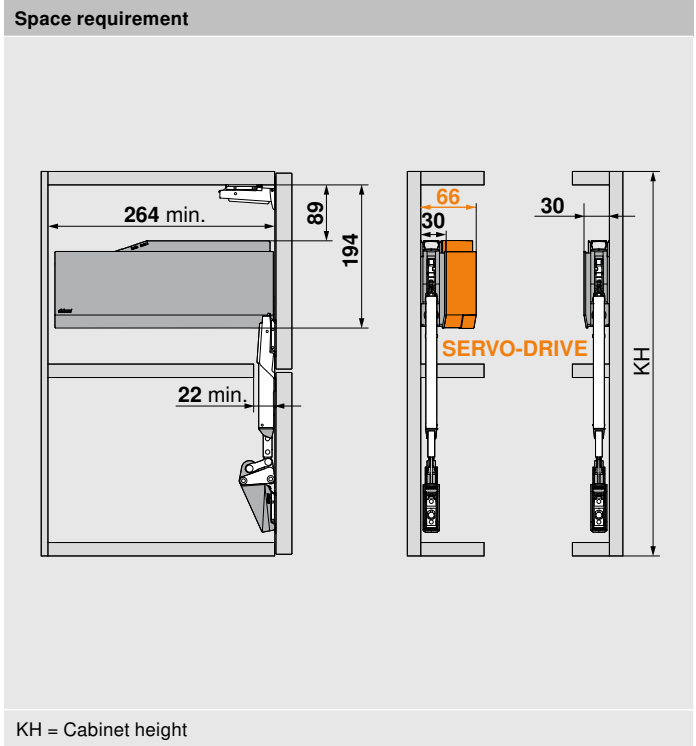
Wood or wide aluminum door hardware set for large overlay face frame			
Set includes:			
4	Mounting plate for lever for large overlay 5-piece doors (qty 2)	Screw-on	175H3F00
5	COMPACT 33 free swing hinge (qty 2)	Press-in	32.4630
6a	CLIP mounting plate; face frame (qty 2)	Screw-on	175H6000
6b	COMPACT 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
			Part no.
Hardware set – narrow aluminum			78Z550ATA6

SERVO-DRIVE set			
<div style="border: 1px solid gray; padding: 5px;"> <p>8</p> </div>	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)	
			Part no.
SERVO-DRIVE set			23.A000

SERVO-DRIVE power supply unit and accessories	
9	See page 66 for complete ordering information

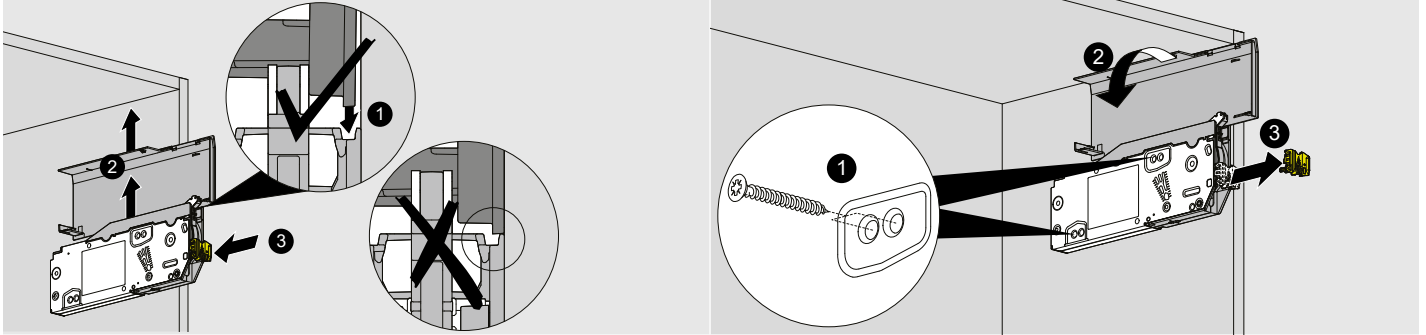
Planning



Blum's Product Configurator is recommended for planning asymmetrical door applications
www.blum.com/configurator

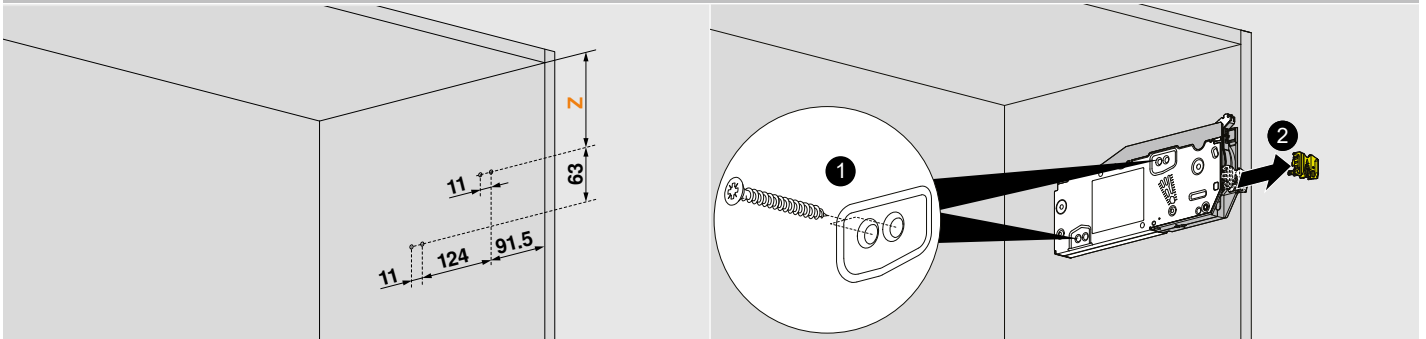
Planning

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



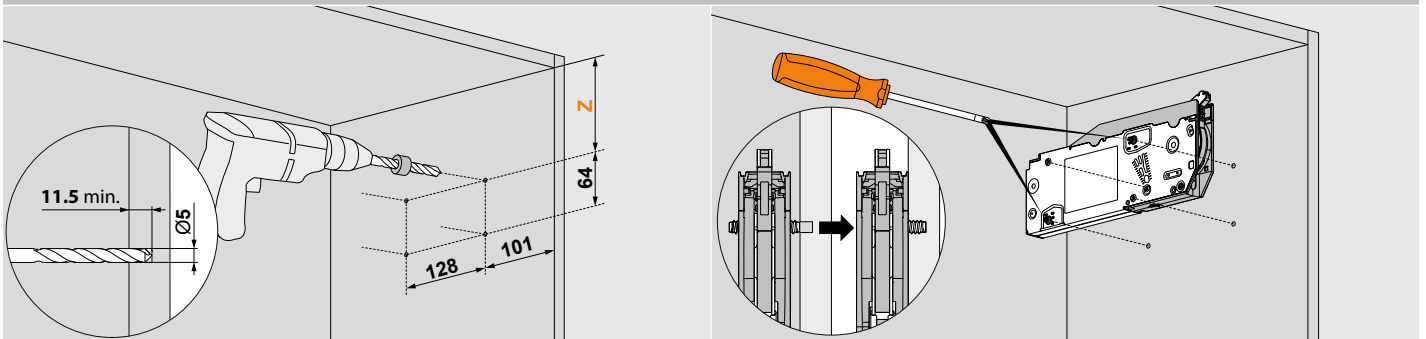
4 x wood screws Ø4 x 35

Lift installation with positioning system



4 x wood screws Ø4 x 35

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
		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

Top door hinge – large overlay

*Bore at 3 then adjust 1

Overlay					Overlay
13*	14	15	16	17	32 (1-1/4")
3	3	4	5	6	3 (1/8")

B = Bore distance

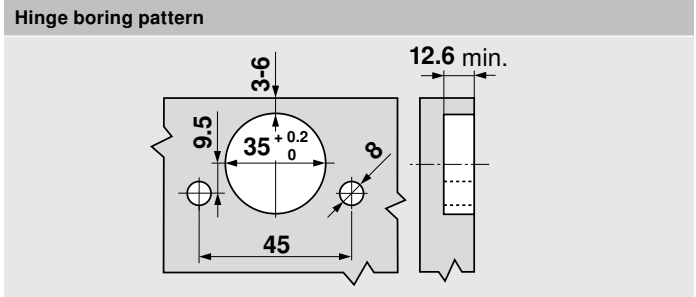
CLIP top hinge

Bottom door hinge

Reveal

Reveal			
6	5	4	3
3	4	5	6

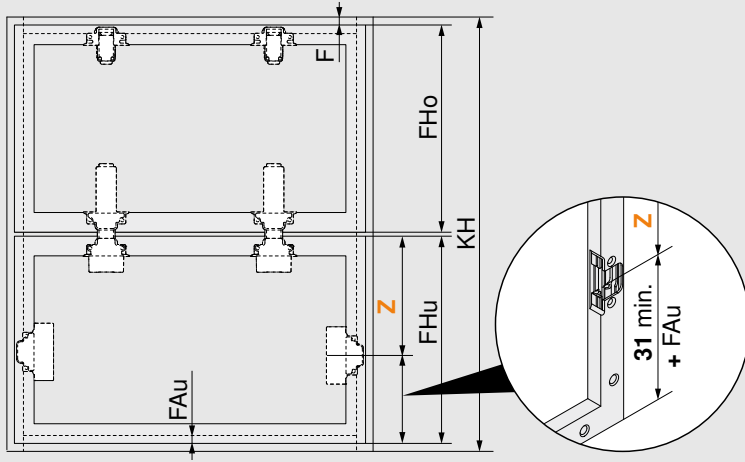
B = Bore distance



Planning

Narrow Aluminum Frames

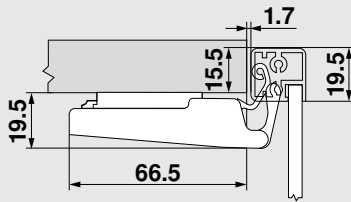
Lever set mounting plate location for narrow aluminum frames



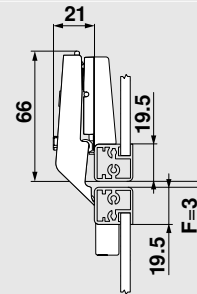
Cabinet height (KH)	Z
480-519	188
520-1219	207

F = Gap
 FAu = Bottom door overlay
 FHo = Door height top
 FHu = Lower door height

CLIP top 120° aluminum frame door hinge



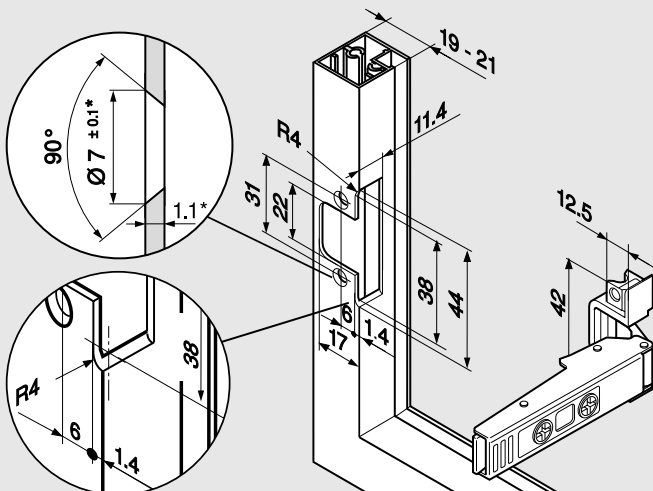
CLIP top aluminum center hinge



F = 1.5 minimum gap

The gap needs to be adjusted for frame thicknesses over 20.5

Screw-on assembly (hinge | adapter plate)

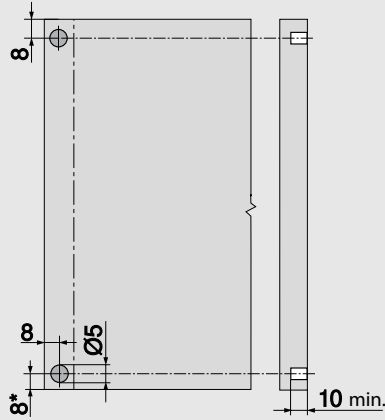
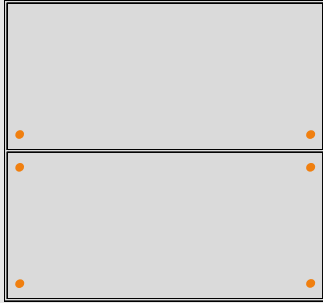


*When changing material thickness, adjust the assembly dimensions accordingly

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)

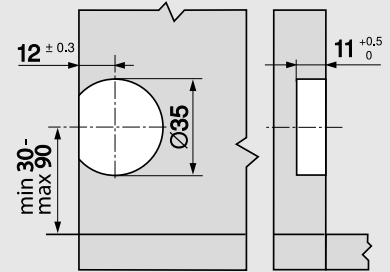
Recommendation for aluminum frames

Consider drilling the Blum distance bumper in the cabinet side

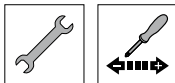
A trial application must be carried out when fixing to the door

*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

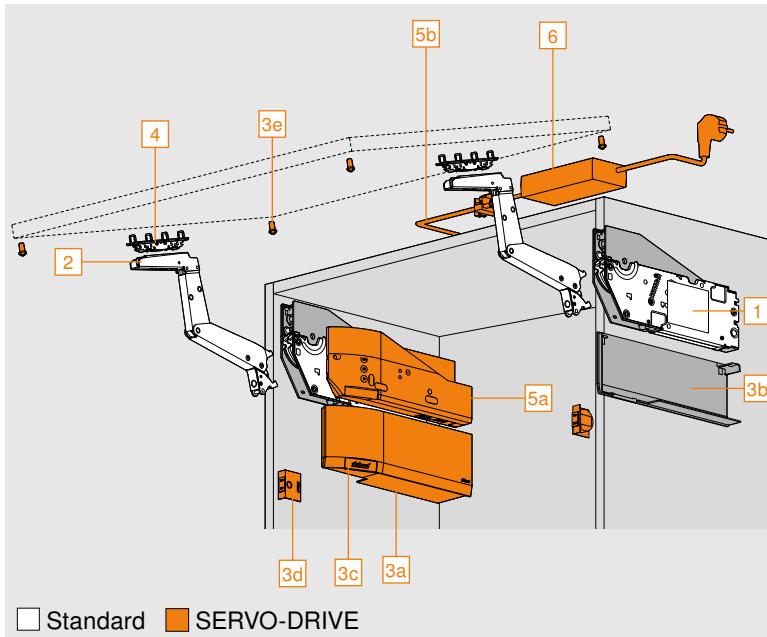


AVENTOS HS top

Up, Over and Out of the Way



Ordering Information



- Ideal for large, one-part doors
- Cabinet height **350** (13-3/4") to **800** (31-1/2")
- 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
- Fixed position of the lift mechanism and door mounting plate
- Symmetrical levers
- Tool-free assembly
- Two lift mechanism fixing methods
- 3-dimensional adjustment of the door

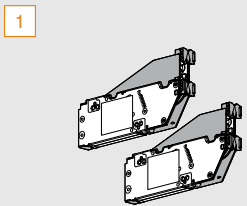
Note

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

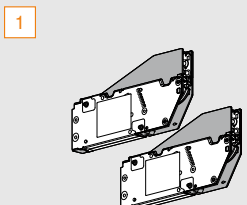


- Set includes:**
- Symmetrical lift mechanism with positioning system (qty 2)
 - Wood screws Ø4 x 35 (qty 8)

Cabinet height	Door weight (lb/oz)	Part no.
350 (13-3/4")– 450 (17-5/8")	4/6–25/5	22S2200
450 (17-5/8")– 540 (21-1/4")	5/8–27/9	22S2500
480 (18-7/8")– 660 (25-7/8")	6/1–33/10	22S2500
650 (25-1/2")– 800 (31-3/8")	7/11–40/13	22S2800

Lift mechanism set

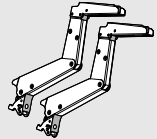
Fixing with pre-attached system screws

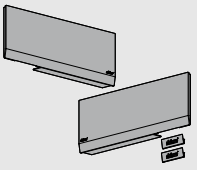


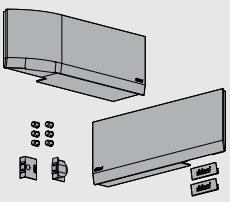
- Set includes:**
- Symmetrical lift mechanism with pre-attached system screws (qty 2)

Cabinet height	Door weight (lb/oz)	Part no.
350 (13-3/4")– 450 (17-5/8")	4/6–25/5	22S2210
450 (17-5/8")– 540 (21-1/4")	5/8–27/9	22S2510
480 (18-7/8")– 660 (25-7/8")	6/1–33/10	22S2510
650 (25-1/2")– 800 (31-3/8")	7/11–40/13	22S2810

Ordering Information

Lever set <input type="checkbox"/> <input checked="" type="checkbox"/>	
	Set includes: – Symmetrical levers (qty 2)
	Part no. Symmetrical lever set 22S3500

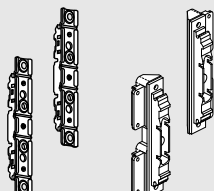
Cover cap set <input type="checkbox"/>	
	Set includes: <input type="checkbox"/> - Cover cap left <input checked="" type="checkbox"/> 3b Cover cap right <input checked="" type="checkbox"/> 3c Stainless steel branding element – Blum logo (qty 2)
	Specify color when ordering: <input checked="" type="checkbox"/>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


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

Branding element (optional) <input type="checkbox"/> <input checked="" type="checkbox"/>												
	Specify color when ordering dark gray (TGR) or silk white matte (SW-M) <input checked="" type="checkbox"/> Dark gray (TGR) <input type="checkbox"/> Silk white matte (SW-M) <input type="checkbox"/> Stainless steel (IN-G)											
	<table border="1"> <thead> <tr> <th></th> <th>SW-M, TGR</th> <th>IN-G</th> </tr> </thead> <tbody> <tr> <td>Printed* (qty 2)</td> <td>ABD.1000.BL</td> <td>ABD.1009.BL</td> </tr> <tr> <td>Embossed* (qty 2)</td> <td>ABD.1000.BT</td> <td>ABD.1009.BT</td> </tr> <tr> <td>Plain (qty 2)</td> <td>ABD.1000</td> <td>ABD.1009</td> </tr> </tbody> </table>		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
	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										

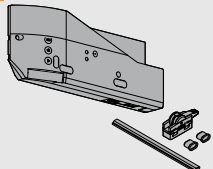

*Branding element is printed or embossed with Blum logo

Customized branding element
Printed: 1000 pc minimum
Embossed: 5000 pc minimum

Door hardware set <input type="checkbox"/> <input checked="" type="checkbox"/>	
	– Use 4 wood screws (606N or 606P) per side for wooden doors. – Use 4 (included) countersunk self-tapping screws (660.0950) per side for wide aluminum frames.
	Part no. Wooden doors and wide aluminum frames 20S4200 Narrow aluminum frames 20S4200A Large overlay 5-piece doors 20S4F01

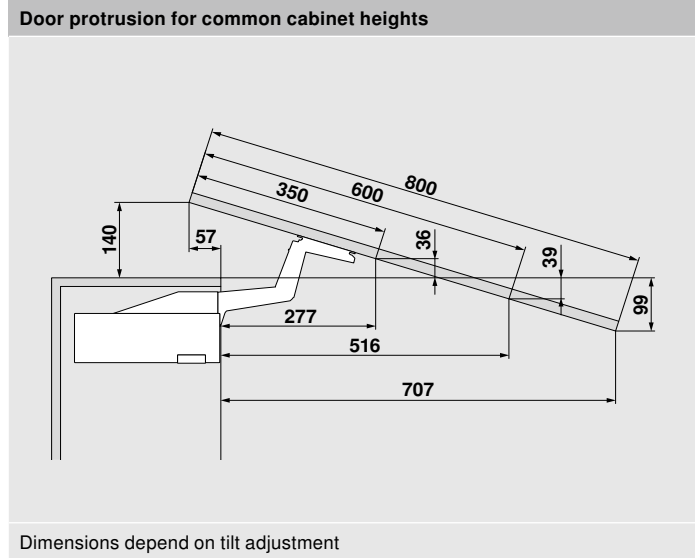
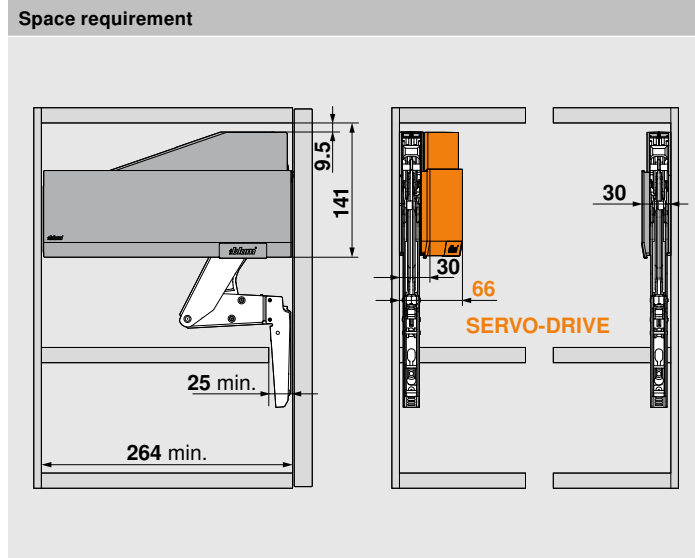
EXPANDO T door mounting plate	
	– EXPANDO T suitable for thin fronts – see page 63 – Thin fronts (qty 2)
	Part no. EXPANDO T door mounting plate 20S42T1

Ordering Information

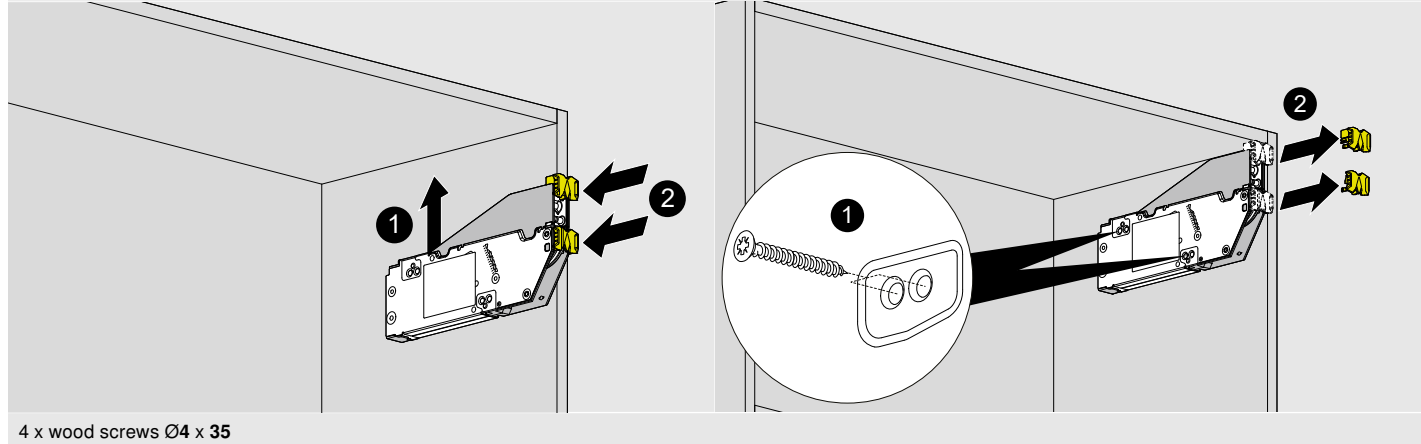
SERVO-DRIVE set			
<p>5</p> 	<p>Set includes:</p> <ul style="list-style-type: none"> 5a SERVO-DRIVE drive unit (qty 1) 5b SERVO-DRIVE distribution cable, 1500 (qty 1) - Connecting node (qty 1) - Cable end protector (qty 2) <p>NOTE: For three lift mechanisms or more, we recommend two synchronized drive units</p> <p> Dust gray (R7037)</p> <p style="text-align: right;">Part no.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">SERVO-DRIVE set</td> <td style="background-color: #f4a460; text-align: center;">23.A000</td> </tr> </table>	SERVO-DRIVE set	23.A000
SERVO-DRIVE set	23.A000		

SERVO-DRIVE power supply unit and accessories
<p>6 See page 66 for complete ordering information</p>

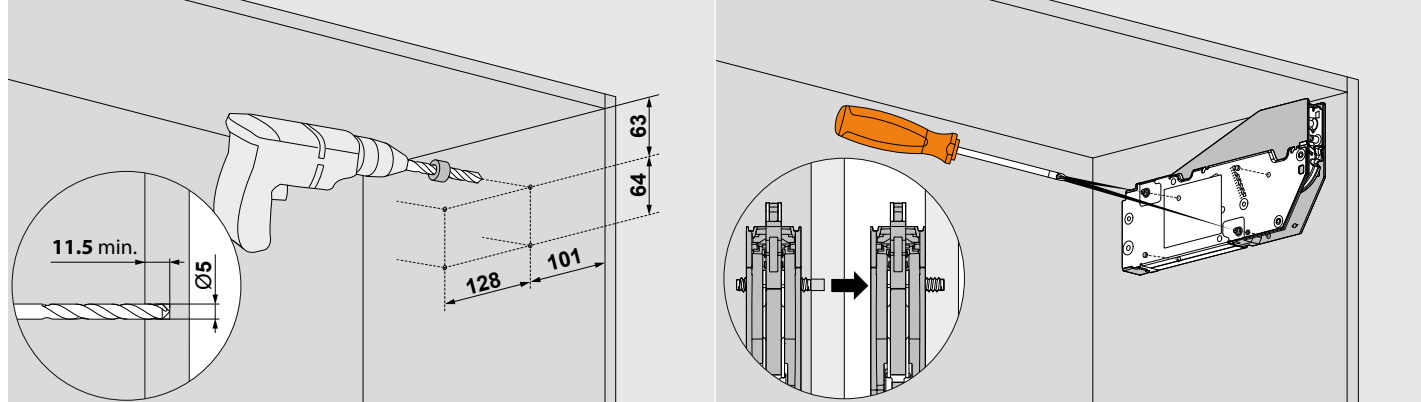
Planning



Lift installation with positioning system (no pre-drilling required)



Lift installation with system screws



Face frame application

See page 62 for information on face frame mounting brackets.

Planning

Door Assembly

Wooden doors and wide aluminum frames

FAo = Upper door overlay
 FAu = Bottom door overlay
 F = Gap
 Z = 195 + FAo

FH = Door height
 KH = Cabinet height
 SFA = Side door overlay

Narrow aluminum frames

FAo = Upper door overlay
 FAu = Bottom door overlay
 F = Gap

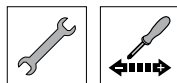
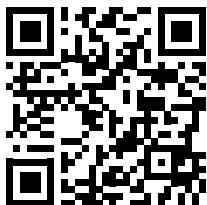
Z = 195.5 + FAo
 FH = Door height
 KH = Cabinet height

Space requirement – cornice | crown molding

F	3.0	2.0	1.5
X maximum	31	29	27
Y maximum	117	118	119

F = Gap

Installation and Adjustment Instructions



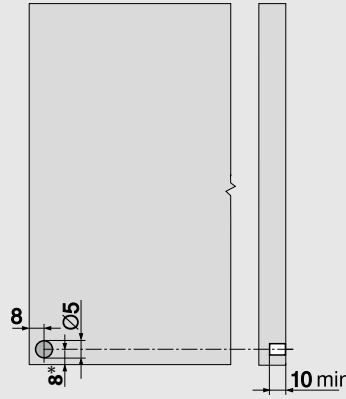
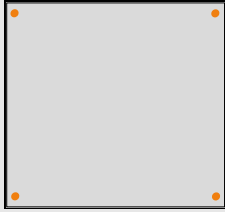
Use QR code or link below for AVENTOS HS top installation and adjustment instructions

www.blum.com/hstopassembly

Planning

SERVO-DRIVE for AVENTOS HS 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)

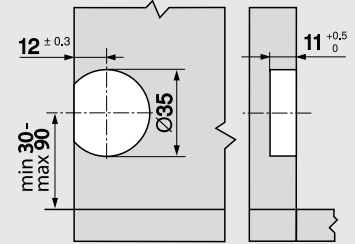
Recommendation for aluminum frames

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



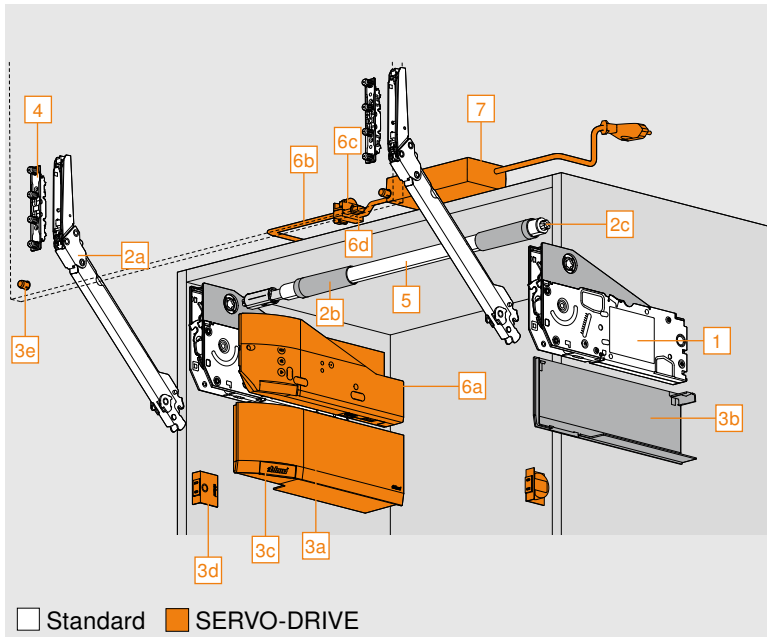


AVENTOS HL top

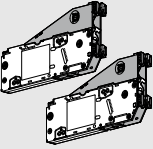
Up and Out of the Way

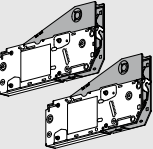


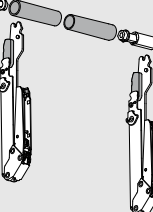
Ordering Information



- Ideal for small one-part doors
- Ideal for appliance garage applications
- Cabinet height **300** (11-13/16") to **580** (22-13/16")
- 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
- Fixed position of the lift mechanism and door mounting plate
- Symmetrical levers
- Tool-free assembly
- Two lift mechanism fixing methods
- 3-dimensional adjustment of the door

Lift mechanism set <input type="checkbox"/> Standard <input checked="" type="checkbox"/> SERVO-DRIVE	
Fixing with wood screws and positioning system	
1	 <p>Set includes:</p> <ul style="list-style-type: none"> - Symmetrical lift mechanism with positioning system (qty 2) - Wood screws Ø4 x 35 (qty 8)
Cabinet height	Part no.
300 (11-3/4")–389 (15-1/4")	22L2200
390 (15-1/4")–580 (22-3/4")	22L2500

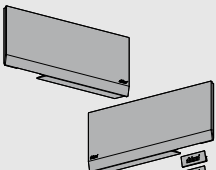
Lift mechanism set <input type="checkbox"/> Standard <input checked="" type="checkbox"/> SERVO-DRIVE	
Fixing with pre-attached system screws	
1	 <p>Set includes:</p> <ul style="list-style-type: none"> - Symmetrical lift mechanism with pre-attached system screws (qty 2)
Cabinet height	Part no.
300 (11-3/4")–389 (15-1/4")	22L2210
390 (15-1/4")–580 (22-3/4")	22L2510

Lever set <input type="checkbox"/> Standard <input checked="" type="checkbox"/> SERVO-DRIVE		
2	 <p>Set includes:</p> <ul style="list-style-type: none"> 2a Symmetrical lever (qty 2) 2b Cross stabilizer cover cap (qty 2) 2c Adapter for cross stabilizer rod (qty 1) - Length adapter for cross stabilizer (qty 1) 	
Nickel-plated with steel components		
Cabinet height	Door weight (lb/oz)	Part no.
300 (11-3/4")–339 (13-1/4")	3/5–19/13	22L3200
340 (13-3/8")–389 (15-1/4")	3/14–22/1	22L3500
390 (15-1/4")–540 (21-1/4")	4/6–27/0	22L3800
480 (18-7/8")–580 (22-3/4")	5/8–30/14	22L3900

Ordering Information

Cover cap set

3



Set includes:

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

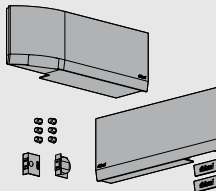
Specify color when ordering:

- Dark gray (TGR)
- Silk white (SW)
- Light gray (HGR)

Cover cap set	Part no.
22.8000.NA	

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 Ø5 (qty 6)

Specify color when ordering:

- Dark gray (TGR)
- Silk white (SW)
- Light gray (HGR)

Cover cap set for SERVO-DRIVE	Part no.
23.8000.NA	

Branding element (optional)

3c



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

- Dark gray (TGR)
- Silk white matte (SW-M)
- Stainless steel (IN-G)

	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

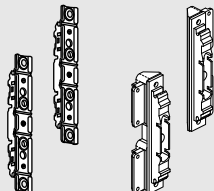
Customized branding element

Printed: 1000 pc minimum

Embossed: 5000 pc minimum

Door hardware set

4




- Use 4 wood screws (606N or 606P) per side for wooden doors.
- Use 4 (included) countersunk self-tapping screws (660.0950) per side for wide aluminum frames.

Part no.

Wooden doors and wide aluminum frames	20S4200
Narrow aluminum frames	20S4200A
Large overlay 5-piece doors	20S4F01

EXPANDO T door mounting plate


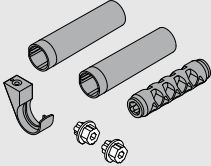
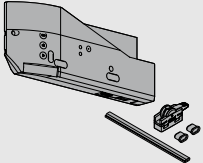



- EXPANDO T suitable for thin fronts – see page 63
- Thin fronts (qty 2)

Part no.

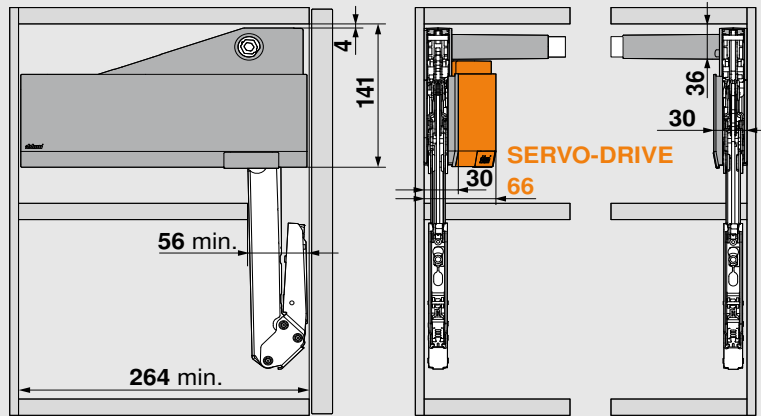
EXPANDO T door mounting plate	20S42T1
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Ordering Information

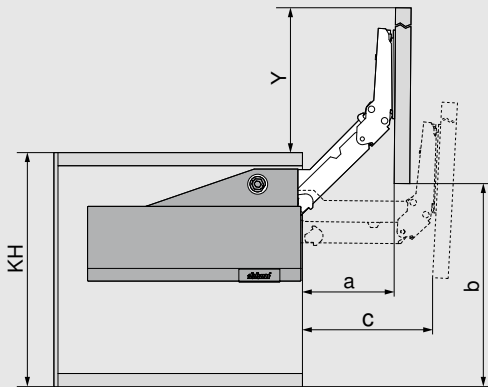
Cross stabilizer <input type="checkbox"/> <input checked="" type="checkbox"/>	
<p>5 </p>	<ul style="list-style-type: none"> Length: 1076 For cutting to size: Inside cabinet width LW - 113 <p style="text-align: right;">Part no.</p> <p>Cross stabilizer 22Q1076U</p>
Connecting piece set for cross stabilizer (optional) <input type="checkbox"/> <input checked="" type="checkbox"/>	
	<p>Set includes:</p> <ul style="list-style-type: none"> Cross stabilizer cover cap (qty 2) Adapter for cross stabilizer rod (qty 2) Connecting piece for cross stabilizer (qty 1) Cross stabilizer fixing (qty 1) <ul style="list-style-type: none"> Zinc Recommended from an inside cabinet width of 1190 or a cabinet width of 1228 Cutting for 5: Inside cabinet width LW/2 - 105 <p style="text-align: right;">Part no.</p> <p>Connecting piece set for cross stabilizer 22Q080Z</p>
SERVO-DRIVE set <input checked="" type="checkbox"/>	
<p>6 </p>	<p>Set includes:</p> <ul style="list-style-type: none"> 6a SERVO-DRIVE drive unit (qty 1) 6b SERVO-DRIVE distribution cable, 1500 (qty 1) 6c Connecting node (qty 1) 6d Cable end protector (qty 2) <p>NOTE: For three lift mechanisms or more, we recommend two synchronized drive units</p> <p> Dust gray (R7037)</p> <p style="text-align: right;">Part no.</p> <p>SERVO-DRIVE set 23.A000</p>
SERVO-DRIVE power supply unit and accessories	
<p>7 See page 66 for complete ordering information</p>	

Planning

Space requirement



Door setting



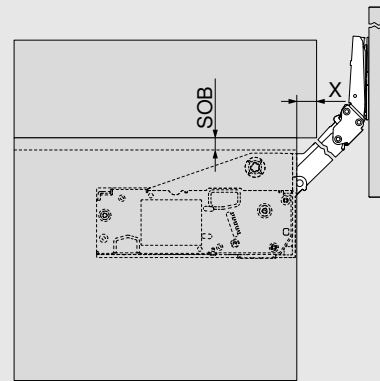
Lever set	a	b	c	Y
22L3200	112	272.5	155.5	272.5
22L3500	140.5	340	195	340
22L3800	176	425	245	425
22L3900	214.5	517	297.5	517

Dimension (b) based on bottom gap (= 0)

Dimension (Y) based on top gap (= 0)

KH = Cabinet height

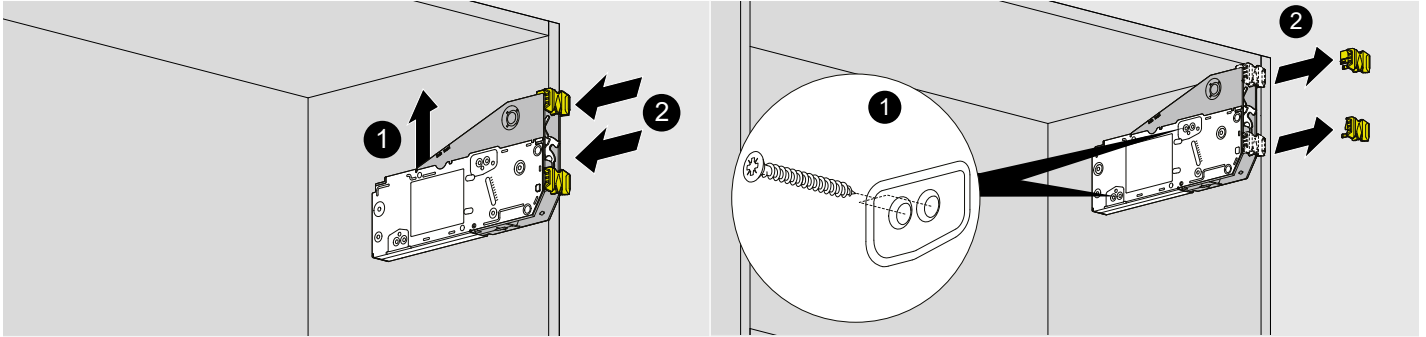
Space requirement – cornice | crown molding



Top panel thickness (SOB)	X
16	25
17	26
18	27
19	28
20	29

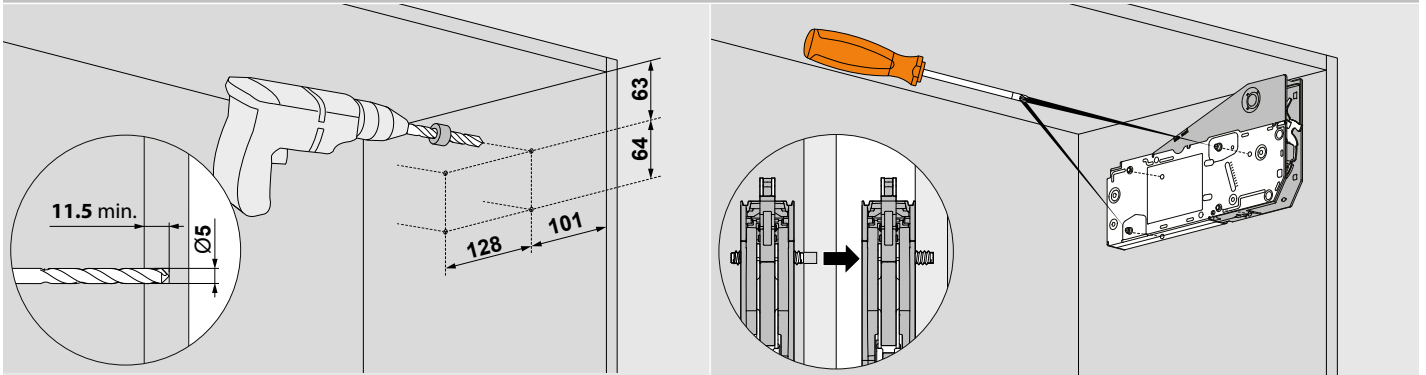
Planning

Lift installation with positioning system (no pre-drilling required)



4 x wood screws $\varnothing 4 \times 35$

Lift installation with system screws

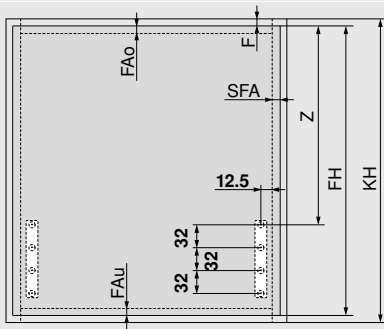


Face frame application

See page 62 for information on face frame mounting brackets.

Door Assembly

Wooden doors and wide aluminum frames

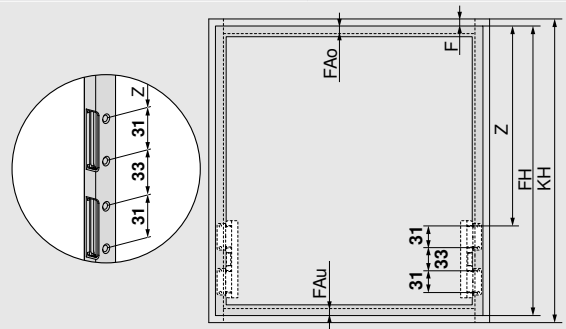


Lever set	Z
22L3200	113 + FAo
22L3500	153 + FAo
22L3800	203 + FAo
22L3900	256 + FAo

FAo = Upper door overlay
FAu = Bottom door overlay
F = Gap

FH = Door height
KH = Cabinet height
SFA = Side door overlay

Narrow aluminum frames

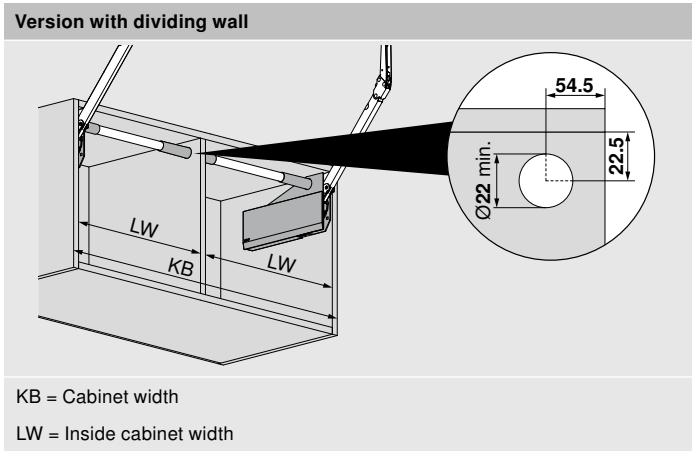
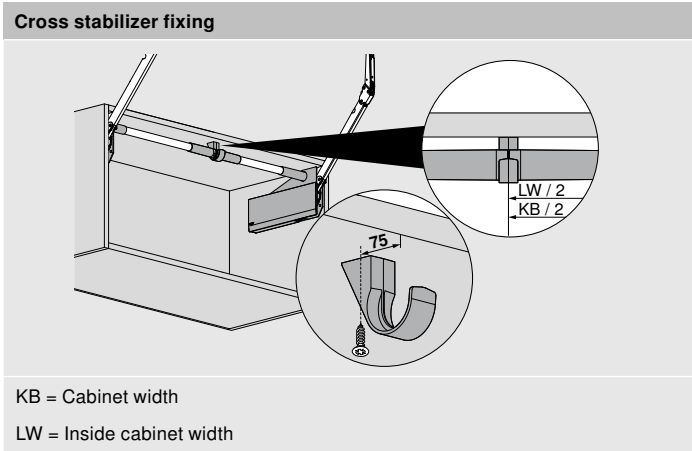
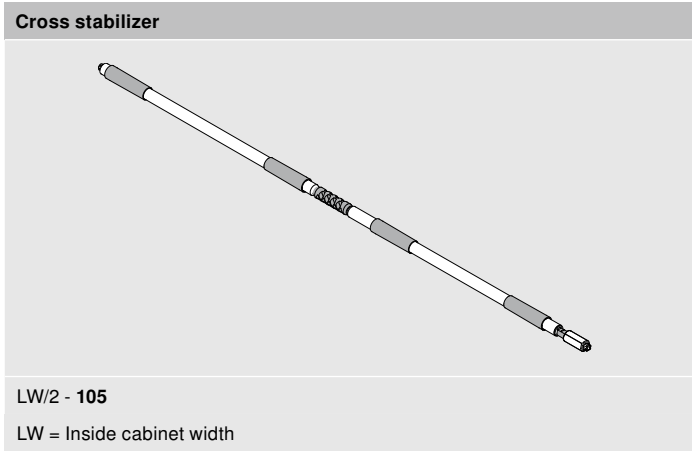


Lever set	Z
22L3200	113.5 + FAo
22L3500	153.5 + FAo
22L3800	203.5 + FAo
22L3900	256.5 + FAo

FAo = Upper door overlay
FAu = Bottom door overlay
F = Gap

Extra Wide Applications

Cross stabilizer for Inside Cabinet Width (LW) of 1190 or a Cabinet Width (KB) of 1228



Installation and Adjustment Instructions



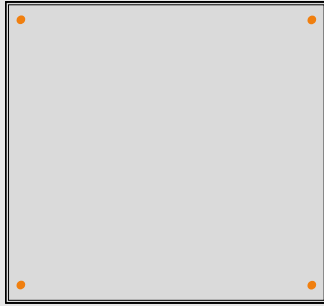
Use QR code or link below for AVENTOS HL top installation and adjustment instructions

www.blum.com/hltopassembly

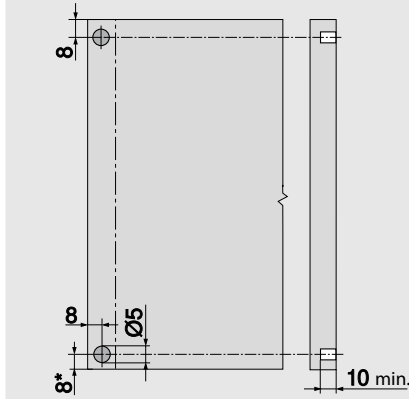
Planning

SERVO-DRIVE for AVENTOS HL 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

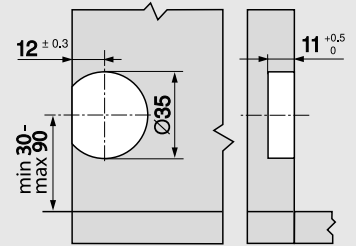
Recommendation for aluminum frames

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



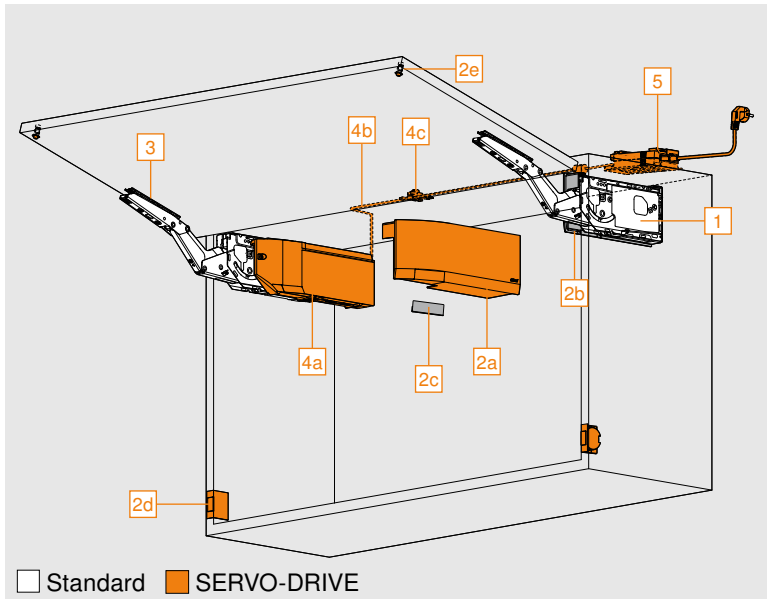
AVENTOS HK top

Stay Lift Door



Ordering Information

Standard and SERVO-DRIVE



- Ideal for small applications in wall cabinets, tall cabinets and over the refrigerator
- Cabinet height **205** (8") to **610** (24")
- Cabinet width up to **1828** (72")
- Soft and effortless closing thanks to BLUMOTION
- Light operating forces
- Harmonious quality of motion with a variable stop
- Tool-free assembly
- 3-dimensional door adjustment
- Simple, infinitely variable adjustment of the lift mechanism
- No hinges required
- Integrated safety mechanism
- Integrated infinitely variable opening angle stop

Note

Power factor = cabinet height [inch] x door weight including double handle weight [lb]

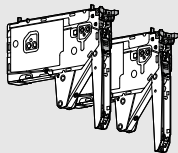
We recommend the more powerful lift mechanism for applications in overlapping ranges. A trial application is recommended when you are in a borderline area of the individual lift mechanism's power factor range.

The power factor can be increased by 50% if you use 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)

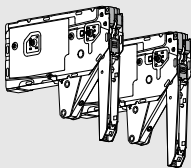
*infinitely variable adjustment

Power factor	Opening angle*	Part no.
36-139	107°	22K2300
80-240	107°	22K2500
150-450	107°	22K2700
270-781	107°	22K2900

Lift mechanism set

Fixing with pre-attached system screws

1



Set includes:

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

*infinitely variable adjustment

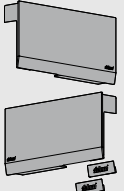
Power factor	Opening angle*	Part no.
36-139	107°	22K2310
80-240	107°	22K2510
150-450	107°	22K2710
270-781	107°	22K2910

Ordering Information

Standard and SERVO-DRIVE

Cover cap set

2



Set includes:

- Cover cap left
- 2b** Cover cap right
- 2c** Stainless steel branding element – Blum logo (qty 2)

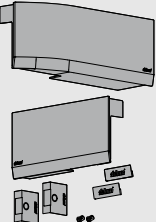
Specify color when ordering:

- Dark gray (TGR)
- Silk white (SW)
- Light gray (HGR)

	Part no.
Cover cap set	22K8000.NA

Cover cap set for SERVO-DRIVE

2



Set includes:

- 2a** SERVO-DRIVE cover cap left (qty 1)
- 2b** Cover cap right (qty 1)
- 2c** Branding element, embossed with Blum logo (qty 2)
- 2d** SERVO-DRIVE switch (qty 2)
- 2e** Blum distance bumper Ø5 (qty 2)


Specify color when ordering:

- Dark gray (TGR)
- Silk white (SW)
- Light gray (HGR)

	Part no.
Cover cap set for SERVO-DRIVE	23K8000.NA

Branding element (optional)

2c



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

- Dark gray (TGR)
- Silk white matte (SW-M)
- Stainless steel (IN-G)

	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

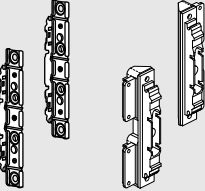
Customized branding element

Printed: 1000 pc minimum

Embossed: 5000 pc minimum

Door hardware set


3



- Use 4 wood screws (606N or 606P) per side for wooden doors.
- Use 4 (included) countersunk self-tapping screws (660.0950) per side for wide aluminum frames.

	Part no.
Wooden doors and wide aluminum frames	20S4200
Narrow aluminum frames	20S4200A
Large overlay 5-piece doors	20S4F01

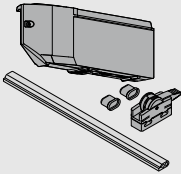
EXPANDO T door mounting plate



- EXPANDO T suitable for thin fronts – see page 63
- Thin fronts (qty 2)

	Part no.
EXPANDO T door mounting plate	20S42T1

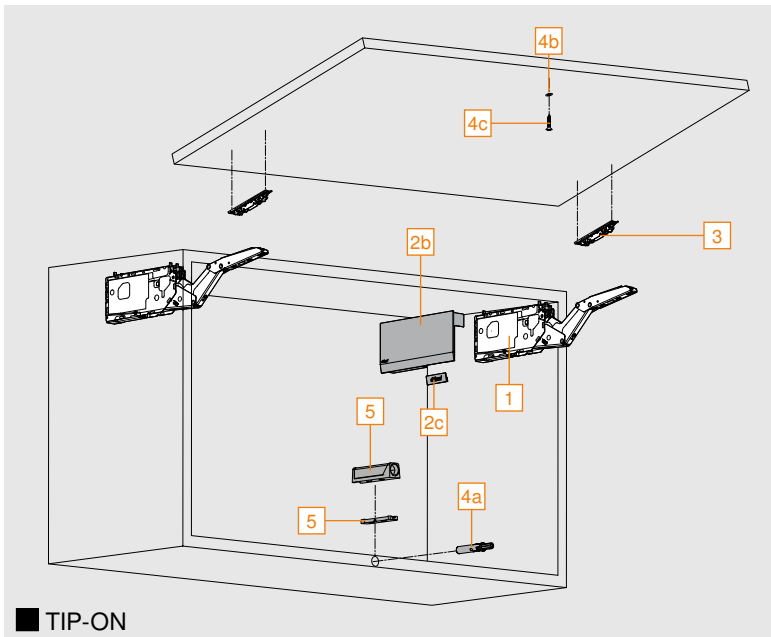
Ordering Information

SERVO-DRIVE set ■	
<div style="border: 1px solid orange; padding: 2px; display: inline-block; margin-bottom: 5px;">4</div> 	<p>Set includes:</p> <ul style="list-style-type: none"> <div style="border: 1px solid orange; padding: 2px; display: inline-block; margin-right: 5px;">4a</div> SERVO-DRIVE drive unit (qty 1) <div style="border: 1px solid orange; padding: 2px; display: inline-block; margin-right: 5px;">4b</div> SERVO-DRIVE distribution cable, 1500 (qty 1) <div style="border: 1px solid orange; padding: 2px; display: inline-block; margin-right: 5px;">4c</div> Connecting node (qty 1) <div style="border: 1px solid orange; padding: 2px; display: inline-block; margin-right: 5px;">-</div> Cable end protector (qty 2) <p>NOTE: For three lift mechanisms or more, we recommend two synchronized drive units</p> <p> Dust gray (R7037)</p>
Part no.	
SERVO-DRIVE set	
23KA000	

SERVO-DRIVE power supply unit and accessories	
<div style="border: 1px solid orange; padding: 2px; display: inline-block; margin-bottom: 5px;">5</div>	See page 66 for complete ordering information

Ordering Information

TIP-ON



- TIP-ON for handleless stay lifts
- Cabinet height **205** (8") to **610** (24")
- Cabinet width up to **1828** (72")
- For drilling or in combination with adapter plates

■ TIP-ON

Note

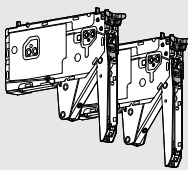
Power factor = cabinet height [inch] x door weight including double handle weight [lb]

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

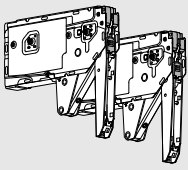
Lift mechanism set for TIP-ON ■

Fixing with wood screws and positioning system

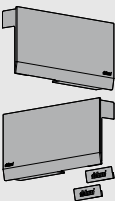
<div style="border: 1px solid black; padding: 2px; width: 20px; text-align: center; margin-bottom: 5px;">1</div> 	<p>Set includes:</p> <ul style="list-style-type: none"> – Symmetrical lift mechanism with positioning system (qty 2) – Wood screws Ø4 x 35 (qty 8) <p>*infinitely variable adjustment</p>	Power factor	Opening angle*	Part no.
		36–139	107°	22K2300T
		80–240	107°	22K2500T
		150–450	100°	22K2700T
		270–781	100°	22K2900T

Lift mechanism set for TIP-ON ■

Fixing with pre-attached system screws

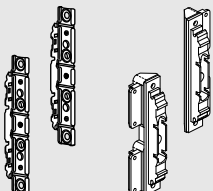
<div style="border: 1px solid black; padding: 2px; width: 20px; text-align: center; margin-bottom: 5px;">1</div> 	<p>Set includes:</p> <ul style="list-style-type: none"> – Symmetrical lift mechanism with pre-attached system screws (qty 2) <p>*infinitely variable adjustment</p>	Power factor	Opening angle*	Part no.
		36–139	107°	22K2310T
		80–240	107°	22K2510T
		150–450	100°	22K2710T
		270–781	100°	22K2910T


Ordering Information

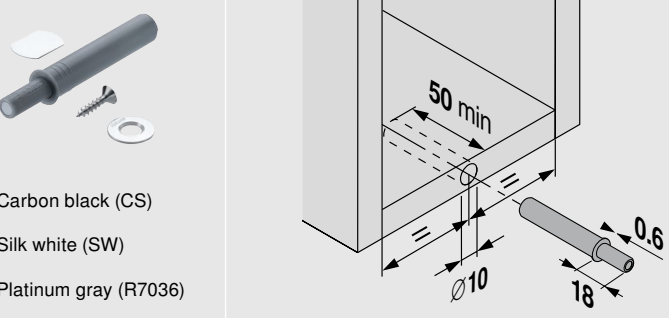
Cover cap set	
2	 <p>Set includes:</p> <ul style="list-style-type: none"> - Cover cap left 2b Cover cap right 2c Stainless steel branding element – Blum logo (qty 2)
Specify color when ordering:	
<input type="checkbox"/>	Dark gray (TGR)
<input type="checkbox"/>	Silk white (SW)
<input type="checkbox"/>	Light gray (HGR)
Part no.	
Cover cap set	22K8000.NA

Branding element (optional)													
2c	 <p>Specify color when ordering dark gray (TGR) or silk white matte (SW-M)</p> <ul style="list-style-type: none"> <input type="checkbox"/> Dark gray (TGR) <input type="checkbox"/> Silk white matte (SW-M) <input type="checkbox"/> Stainless steel (IN-G) 												
Part no.													
	<table border="1"> <thead> <tr> <th></th> <th>SW-M, TGR</th> <th>IN-G</th> </tr> </thead> <tbody> <tr> <td>Printed* (qty 2)</td> <td>ABD.1000.BL</td> <td>ABD.1009.BL</td> </tr> <tr> <td>Embossed* (qty 2)</td> <td>ABD.1000.BT</td> <td>ABD.1009.BT</td> </tr> <tr> <td>Plain (qty 2)</td> <td>ABD.1000</td> <td>ABD.1009</td> </tr> </tbody> </table>		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
	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													


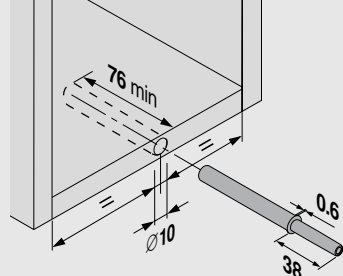
Customized branding element	
Printed: 1000 pc minimum	
Embossed: 5000 pc minimum	

Door hardware set	
3	 <ul style="list-style-type: none"> – Use 4 wood screws (606N or 606P) per side for wooden doors. – Use 4 (included) countersunk self-tapping screws (660.0950) per side for wide aluminum frames.
Part no.	
Wooden doors and wide aluminum frames	20S4200
Narrow aluminum frames	20S4200A
Large overlay 5-piece doors	20S4F01

EXPANDO T door mounting plate	
	<ul style="list-style-type: none"> – EXPANDO T suitable for thin fronts – see page 63 – Thin fronts (qty 2)
Part no.	
EXPANDO T door mounting plate	20S42T1

TIP-ON set for standard doors	
4	 <ul style="list-style-type: none"> – Nylon gray unit with magnet tip – Adjustment range +4 to -1 – For door heights up to 400 (15-3/4") – Works for overlay and inset applications – Can be bored into the panel or used with an adapter plate <p>Set includes:</p> <ul style="list-style-type: none"> 4a TIP-ON (qty 1) 4b Screw-on catch plate (qty 1) 4c Wood screw 609.1500 (qty 1) - Glue-on catch plate (qty 1)
<ul style="list-style-type: none"> <input type="checkbox"/> Carbon black (CS) <input type="checkbox"/> Silk white (SW) <input type="checkbox"/> Platinum gray (R7036) 	
Part no.	
Standard door set	956.1004
NOTE: Due to various door weights and sizes, trial application recommended	

Ordering Information

TIP-ON set for large doors		
<p>4</p>  <ul style="list-style-type: none"> Carbon black (CS) Silk white (SW) Platinum gray (R7036) 		<ul style="list-style-type: none"> - Nylon gray unit with magnet tip - Adjustment range +4 to -1 - For door heights greater than 400 (15-3/4") - Works for overlay and inset applications - Can be bored into the panel or used with an adapter plate <p>Set includes:</p> <ul style="list-style-type: none"> 4a TIP-ON (qty 1) 4b Screw-on catch plate (qty 1) 4c Wood screw 609.1500 (qty 1) - Glue-on catch plate (qty 1) <p style="text-align: right;">Part no.</p>
<p>NOTE: Due to various door weights and sizes, trial application recommended</p>		<p>Large door set 956A1004</p>

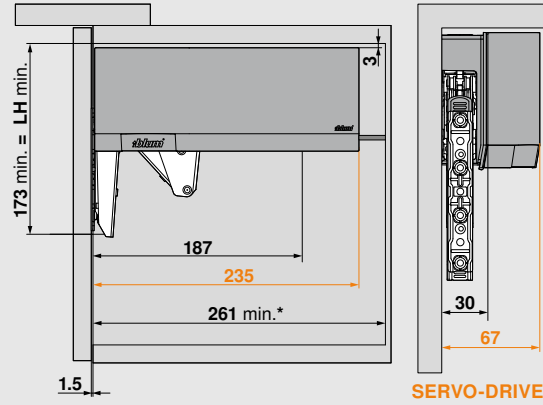
Accessories

Adapter plate		
<p>5</p> 	<p>Straight adapter plate – short version</p>	<p>Specify color when ordering:</p> <ul style="list-style-type: none"> <li style="width: 50%;"> Carbon black (CS) <li style="width: 50%;"> Platinum gray (R7036) <li style="width: 50%;"> Silk white (SW) <li style="width: 50%;"> Nickel lacquered (NI-L) <p style="text-align: right;">Part no.</p>
		<p>Straight adapter plate 956.1201</p>
	<p>Cruciform adapter plate – long version</p>	<ul style="list-style-type: none"> Platinum gray (R7036) <p style="text-align: right;">Part no.</p>
		<p>Cruciform adapter plate 956A1501</p>

Planning

Standard, SERVO-DRIVE and TIP-ON

Space requirement

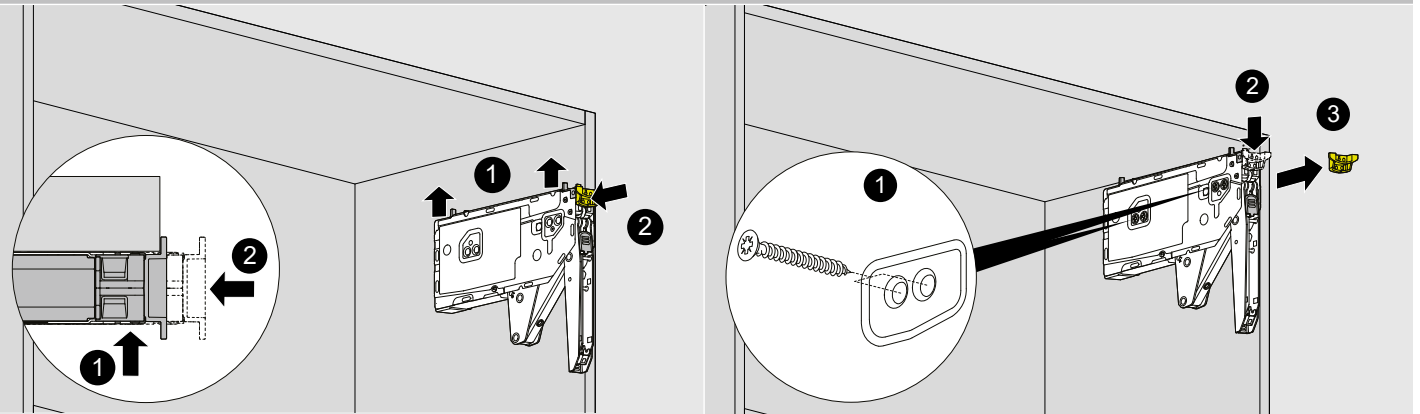


*261 minimum with visible wall hanging bracket

NOTE: Maximum cabinet height of 610 (24")

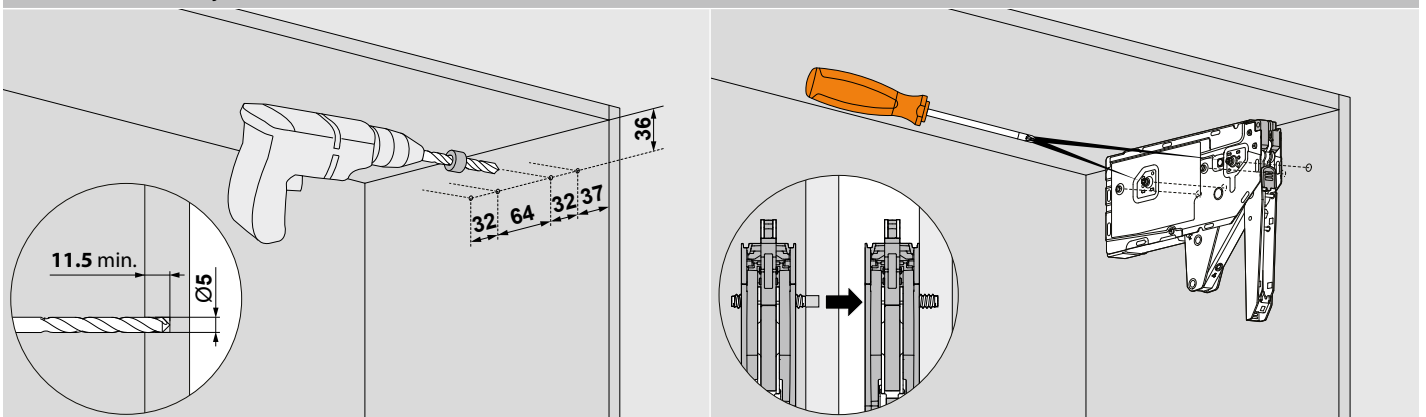
LH = Inside cabinet height

Lift installation with positioning system (no pre-drilling required)



4 x wood screws Ø4 x 35

Lift installation with system screws



Face frame application

See page 62 for information on face frame mounting brackets.

Planning

Standard, SERVO-DRIVE and TIP-ON – Door Assembly

Wooden doors and wide aluminum frames

FAo = 25.4 maximum SFA = Side door overlay
 FAo = Upper door overlay F = Gap
 SOB = Top panel thickness

Narrow aluminum frames

FAo = 25.4 maximum SFA = Side door overlay
 FAo = Upper door overlay F = Gap
 SOB = Top panel thickness

Space requirement – cornice | crown molding

Space requirement
 At maximum opening angle
 $Y = FH \times 0.29 + FD - SOB$

FD	16	19	22	26	28
X	68	57	47	33	27

SOB = Top panel thickness FH = Door height
 FD = Door thickness

Narrow aluminum frames

For frame width 19, an SFA of 11–18 is possible.
 *When changing material thickness, adjust the assembly dimensions accordingly
 SFA = Side door overlay

Minimum gap

Minimum gap (MF) is 2

Further planning information for TIP-ON – see page 60

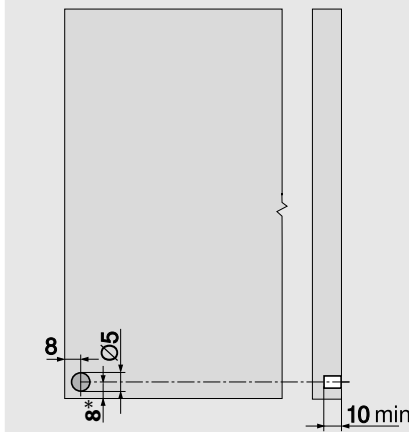
Planning

SERVO-DRIVE for AVENTOS HK top

Blum distance bumper (SERVO-DRIVE application only)



Insert Blum distance bumper (do not glue)
Do not insert bumper in upper third



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

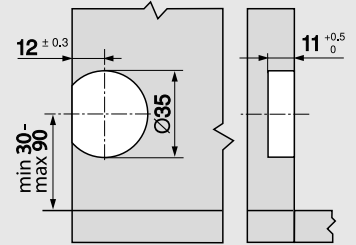
Recommendation for aluminum frames

Consider drilling the Blum distance bumper in the cabinet side

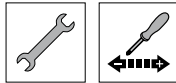
A trial application must be carried out when fixing to the door

*From cabinet bottom edge for doors that protrude below

SERVO-DRIVE switch



Installation and Adjustment Instructions



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

www.blum.com/hktopassembly

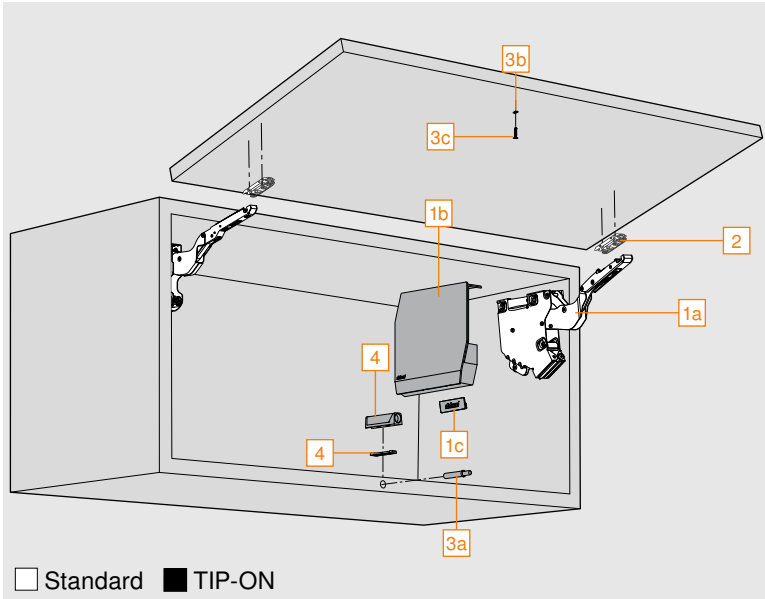
AVENTOS HK-S

Stay Lift for the Smallest of Cabinets



Ordering Information

Standard and TIP-ON



- Ideal for small applications in wall cabinets, tall cabinets and over the refrigerator
- Cabinet height maximum of **610** (24")
- Soft and effortless closing thanks to BLUMOTION
- Light operating forces
- Harmonious quality of motion with a variable stop
- Tool-free assembly
- 3-dimensional door adjustment
- Simple, infinitely variable adjustment of the lift mechanism
- No hinges required
- TIP-ON for handleless stay lifts

Note

Power factor = cabinet height [inch] x door weight including double handle weight [lb]

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% if you use a third lift mechanism.

Lift mechanism set

1

Set includes:

- 1a** Symmetrical lift mechanism (qty 2)
- 1b** Cover cap left/right (qty 2)
- 1c** Branding element, embossed with Blum logo (qty 2)
- Wood screw Ø4 x 35 (qty 6)

Specify color when ordering:

Light gray (HGR) Silk white (SW) Dark gray (TGR)

Power factor	Opening angle	Part no.
19–44	107°	20K2B00.N6
35–88	107°	20K2C00.N6
84–195	107°	20K2E00.N6

NOTE: 20K2B00.N1 unit contains 1x 20K2A00.N1 (unsprung – no tension adjustment) and 1x 20K2C00.N1

Lift mechanism set for TIP-ON

1

Set includes:

- 1a** Symmetrical lift mechanism (qty 2)
- 1b** Cover cap left/right (qty 2)
- 1c** Branding element, embossed with Blum logo (qty 2)
- Wood screw Ø4 x 35 (qty 6)

Specify color when ordering:


Light gray (HGR) Silk white (SW) Dark gray (TGR)

Power factor	Opening angle	Part no.
19–44	107°	20K2B00TN6
35–88	107°	20K2C00TN6
84–195	107°	20K2E00TN6

NOTE: 20K2B00.N1 unit contains 1x 20K2A00.N1 (unsprung – no tension adjustment) and 1x 20K2C00.N1

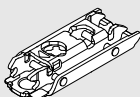
Ordering Information

Standard and TIP-ON

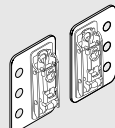
Branding element (optional) <input type="checkbox"/> <input checked="" type="checkbox"/>			
<div style="border: 1px solid black; padding: 5px; display: inline-block;">  </div>	Specify color when ordering dark gray (TGR) or silk white matte (SW-M)		
	<input checked="" type="checkbox"/> Dark gray (TGR)		SW-M, TGR
	<input type="checkbox"/> Silk white matte (SW-M)		IN-G
	<input type="checkbox"/> Stainless steel (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


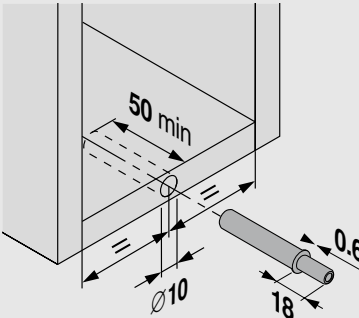
*Branding element is printed or embossed with Blum logo

Customized branding element	
Printed: 1000 pc minimum	
Embossed: 5000 pc minimum	

Door mounting plate <input type="checkbox"/> <input checked="" type="checkbox"/>				
<div style="border: 1px solid black; padding: 5px; display: inline-block;">  </div>	<ul style="list-style-type: none"> – Wooden doors and wide aluminum frames (qty 2) – All horizontal steel mounting plates with 0 spacing possible 	*Use 2 wood screws (606N or 606P) per side for wooden doors. Use 2 countersunk self-tapping screws (660.0950) per side for wide aluminum frames.		
		Fixing method	Spacing	Part no.
		Screw-on*	0	175H3100
		EXPANDO	0	177H3100E
		Knock-in	0 177H3100	


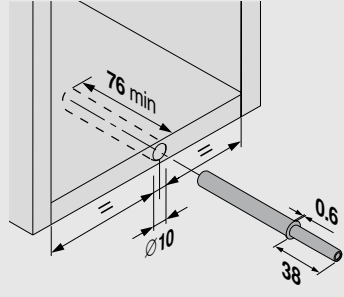
Door mounting plate set <input type="checkbox"/> <input checked="" type="checkbox"/>			
<div style="border: 1px solid black; padding: 5px; display: inline-block;">  </div>	Set includes: <ul style="list-style-type: none"> – Left and right mounting plates – Attachment screws 	For use with narrow aluminum doors	
			Part no.
		Door mounting plate set	20K4A00A02


Mounting plate with bracket set <input type="checkbox"/> <input checked="" type="checkbox"/>			
<div style="border: 1px solid black; padding: 5px; display: inline-block;">  </div>	Set includes: <ul style="list-style-type: none"> – Right and left mounting plate with bracket 	For use with large overlay five-piece doors	
			Part no.
		Mounting plate with bracket set	175H3F00

TIP-ON set for standard doors <input checked="" type="checkbox"/>					
<div style="border: 1px solid black; padding: 5px; display: inline-block;">  </div>		<ul style="list-style-type: none"> – Nylon gray unit with magnet tip – Adjustment range +4 to -1 – For door heights up to 400 (15-3/4") – Works for overlay and inset applications – Can be bored into the panel or used with an adapter plate 			
		Set includes:			
		<input checked="" type="checkbox"/> 3a	TIP-ON (qty 1)		
		<input checked="" type="checkbox"/> 3b	Screw-on catch plate (qty 1)		
<input checked="" type="checkbox"/> 3c	Wood screw 609.1500 (qty 1)				
<input type="checkbox"/> -	Glue-on catch plate (qty 1)				
			Part no.		
NOTE: Due to various door weights and sizes, trial application recommended		Standard door set	956.1004		

Ordering Information

Standard and TIP-ON

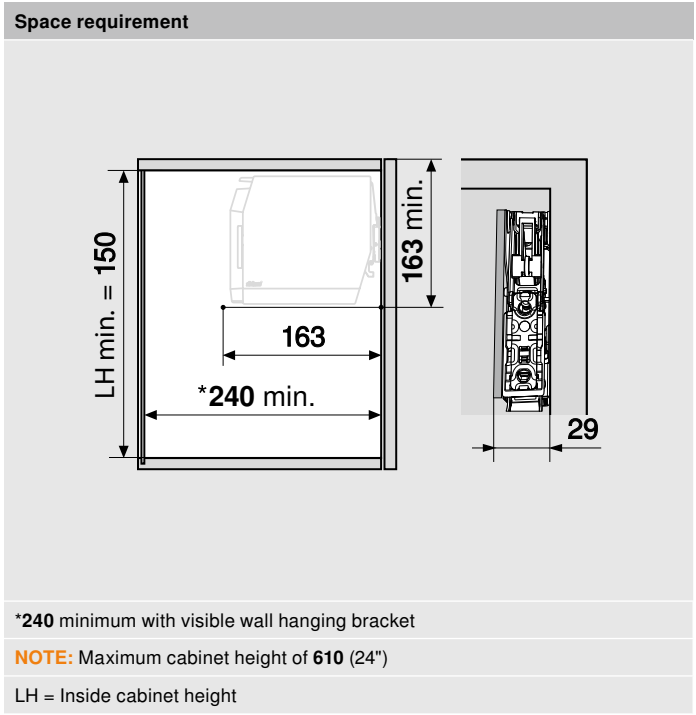
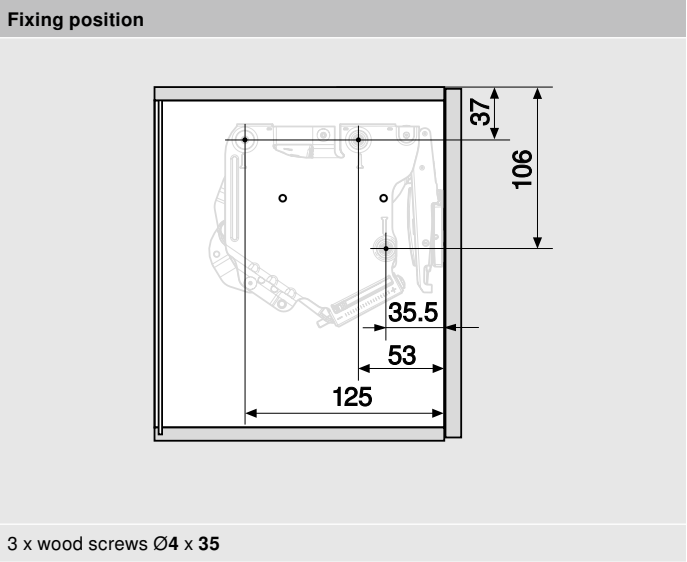
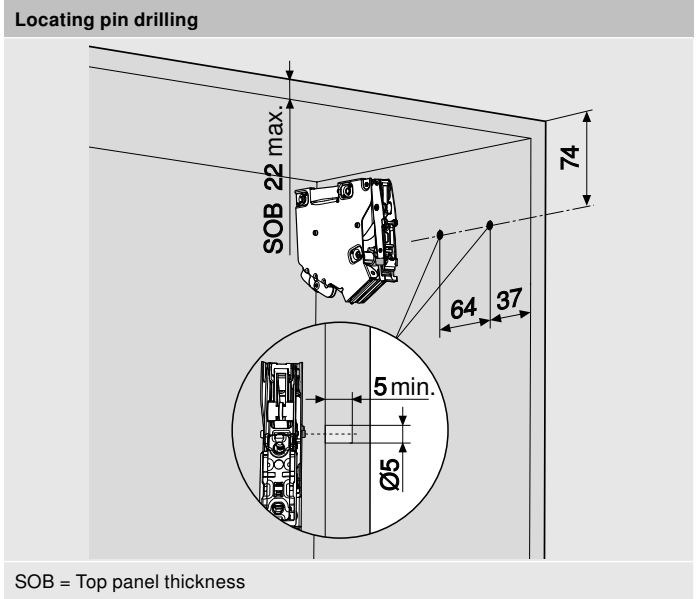
TIP-ON set for large doors ■	
<div style="border: 1px solid black; padding: 5px; width: 40px; display: inline-block; text-align: center;">3</div>  <ul style="list-style-type: none"> Carbon black (CS) Silk white (SW) Platinum gray (R7036) 	 <ul style="list-style-type: none"> - Nylon gray unit with magnet tip - Adjustment range +4 to -1 - For door heights greater than 400 (15-3/4") - Works for overlay and inset applications - Can be bored into the panel or used with an adapter plate <p>Set includes:</p> <ul style="list-style-type: none"> <div style="border: 1px solid black; padding: 2px; width: 20px; display: inline-block; text-align: center;">3a</div> TIP-ON (qty 1) <div style="border: 1px solid black; padding: 2px; width: 20px; display: inline-block; text-align: center;">3b</div> Screw-on catch plate (qty 1) <div style="border: 1px solid black; padding: 2px; width: 20px; display: inline-block; text-align: center;">3c</div> Wood screw 609.1500 (qty 1) <div style="border: 1px solid black; padding: 2px; width: 20px; display: inline-block; text-align: center;">-</div> Glue-on catch plate (qty 1)
<p>NOTE: Due to various door weights and sizes, trial application recommended</p>	
Large door set	956A1004

Adapter plate ■	
<div style="border: 1px solid black; padding: 5px; width: 40px; display: inline-block; text-align: center;">4</div> 	<p>Straight adapter plate – short version</p> <p>Specify color when ordering:</p> <ul style="list-style-type: none"> Carbon black (CS) Platinum gray (R7036) Silk white (SW) Nickel lacquered (NI-L)
Straight adapter plate	956.1201
	<p>Cruciform adapter plate – long version</p> <ul style="list-style-type: none"> Platinum gray (R7036)
Cruciform adapter plate	956A1501

Opening angle stop □ ■										
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Opening angle</th> <th style="width: 40%;">Color</th> <th style="width: 30%;">Part no.</th> </tr> </thead> <tbody> <tr> <td>100°</td> <td>Dark gray (TGR)</td> <td style="background-color: #f4a460;">20K7A41</td> </tr> <tr> <td>75°</td> <td>Dust gray (R7037)</td> <td style="background-color: #f4a460;">20K7A11</td> </tr> </tbody> </table>	Opening angle	Color	Part no.	100°	Dark gray (TGR)	20K7A41	75°	Dust gray (R7037)	20K7A11
Opening angle	Color	Part no.								
100°	Dark gray (TGR)	20K7A41								
75°	Dust gray (R7037)	20K7A11								

Planning

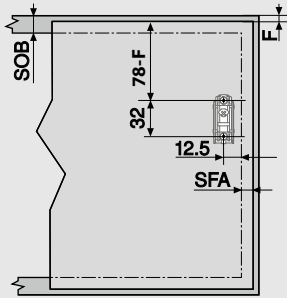
Standard and TIP-ON



Planning

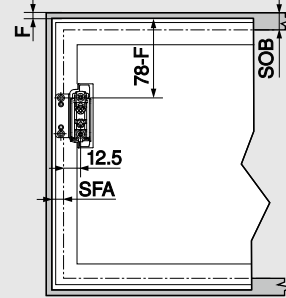
Standard and TIP-ON – Door Assembly

Wooden doors and wide aluminum frames



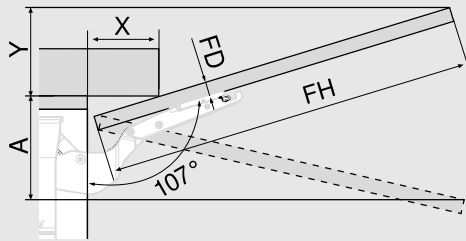
SOB = Top panel thickness
 SFA = Side door overlay
 F = Gap

Narrow aluminum frames



SOB = Top panel thickness
 SFA = Side door overlay
 F = Gap

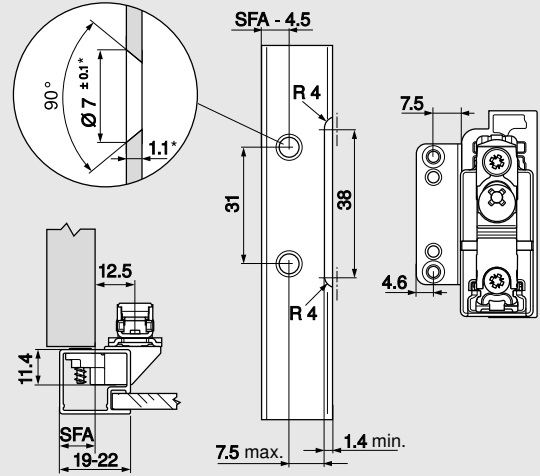
Space requirement – cornice | crown molding



Opening angle stop		Space requirement			
Unsprung		$Y = FH \times 0.29 - 15 + FD$			
100°		$Y = FH \times 0.17 - 15 + FD$			
75°		$A = FH \times 0.26 + 15 - FD$			
FD	16 19	22	26	-	
X	70	59	49	35	

FD = Door thickness
 FH = Door height

Narrow aluminum frames

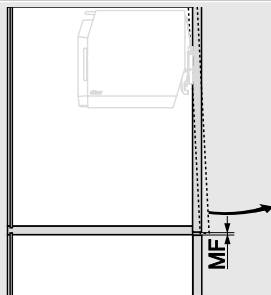


For frame width 19, an SFA of 11–18 is possible.

*When changing material thickness, adjust the assembly dimensions accordingly

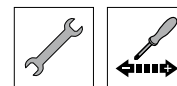
SFA = Side door overlay

Minimum gap



Minimum gap (MF) is 2

Installation and Adjustment Instructions



Use QR code or link below for AVENTOS HK-S installation and adjustment instructions
www.blum.com/aventos-hks-assembly

Further planning information for TIP-ON – see page 60

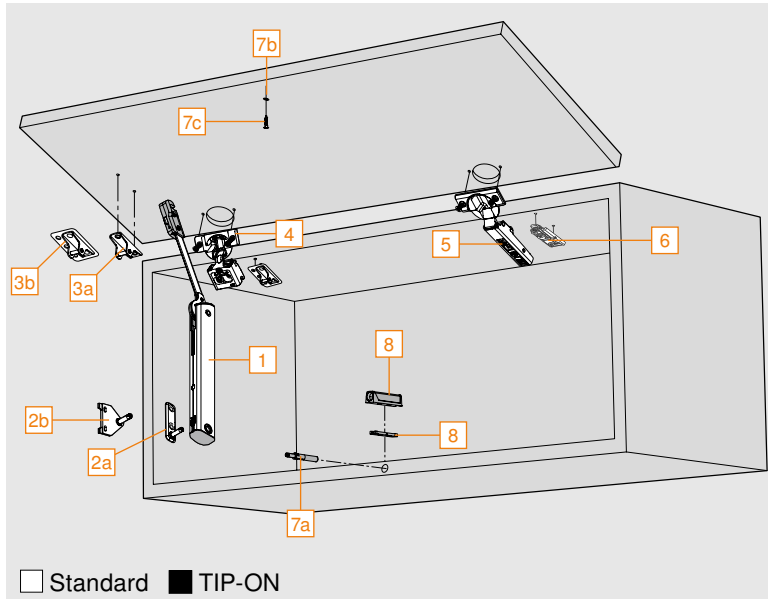
AVENTOS HK-XS

Smaller, Cost-Effective Lift System



Ordering Information

Standard and TIP-ON



- Ideal for small applications in wall cabinets, tall cabinets and over the refrigerator
- Cabinet height **238** (9-3/8") to **610** (24")
- Inside cabinet depth minimum of **125** (4-7/8")
- An inside cabinet depth of **100** (3-7/8") 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 handleless stay lifts with CLIP top free swing hinges
- Light operating forces
- Harmonious quality of motion with a variable stop
- Simple, infinitely variable adjustment of the lift mechanism


Note

Power factor = cabinet height [inch] x door weight including double handle weight [lb]

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.

Lift mechanism

<div style="border: 1px solid black; padding: 2px; width: 20px; margin: 0 auto;">1</div> 	<p>*For hinges with smaller opening angles, the opening angle will depend on the hinge used</p>
--	---

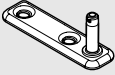
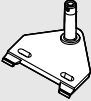


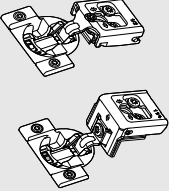
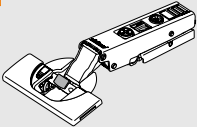
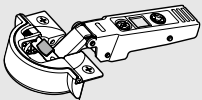
Power factor range	Opening angle	Part no.
18-88	105°*	20K1101
44-132	105°*	20K1301
70-158	105°*	20K1501

Lift mechanism for TIP-ON

<div style="border: 1px solid black; padding: 2px; width: 20px; margin: 0 auto;">1</div> 	<p>*For hinges with smaller opening angles, the opening angle will depend on the hinge used</p>
--	---

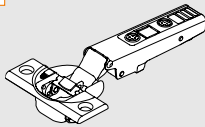
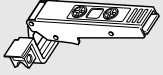
Power factor range	Opening angle	Part no.
16-70	105°*	20K1101T
44-106	105°*	20K1301T
70-141	105°*	20K1501T

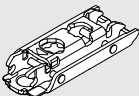
Ordering Information
Standard and TIP-ON


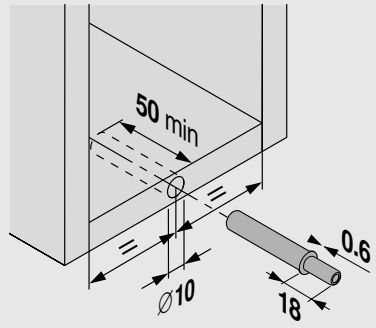
Cabinet mounting plate <input type="checkbox"/>			
2a		Frameless	Part no.
		Screw-on	20K5101
		EXPANDO	20K51E1
2b		Face frame	Part no.
		Screw-on	20K5501
Door mounting plate <input type="checkbox"/>			
3a		Wooden doors and wide aluminum frames	Part no.
		Screw-on	20K4101
		EXPANDO	20K41E1
3b		Narrow aluminum frames	Part no.
		Screw-on	20K4101A
		NOTE: For use with large overlay five-piece doors	Part no.
Screw-on	20K4501		
COMPACT CLIP hinge <input type="checkbox"/>			
4		NOTE: For more overlay options and application information, see Concealed Hinges brochure	
		COMPACT CLIP 31C3	Part no.
		32 (1-1/4") Overlay, Press-in	31C358B.20
		COMPACT CLIP 30C2	Part no.
13 (1/2") Overlay, Press-in	30C258B.08		
Hinge recommendations <input type="checkbox"/>			
5		3 hinges starting at cabinet width 900 and/or power factor 158 4 hinges with cabinet width 1200 and/or starting at power factor 238	
		CLIP top BLUMOTION 110° hinge, self close	Part no.
		INSERTA	71B3590
Screw-on	71B3550		
Narrow aluminum			
	CLIP top BLUMOTION 95°, self close	Part no.	
	Screw-on	71B950A	
Alternative hinges			
<ul style="list-style-type: none"> – CLIP top BLUMOTION hinges: 107°, profile/thick door – CLIP top hinges: 107°, profile/thick door, 95° aluminum frame door hinge in combination with BLUMOTION 973A – for clip on and/or CLIP hinges: 100° 			

Ordering Information


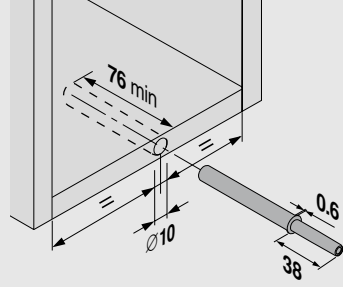
Standard and TIP-ON


Hinge recommendations	
<div style="border: 1px solid black; padding: 2px; display: inline-block;">5</div> 	3 hinges starting at cabinet width 900 and/or power factor 158 4 hinges with cabinet width 1200 and/or starting at power factor 238
	CLIP top 110° hinge, free swing Part no.
	INSERTA 70T3590.TL
	Screw-on 70T3550.TL
Narrow aluminum	
	CLIP top 120°, free swing Part no.
	Screw-on 72T550A.TL
Alternative hinges, free swing	
<ul style="list-style-type: none"> - CLIP top hinges: 107°, profile/thick door, 95° aluminum frame door hinge - CLIP 100° 	

Hinge mounting plate													
<div style="border: 1px solid black; padding: 2px; display: inline-block;">6</div> 	<ul style="list-style-type: none"> - Wooden doors and wide aluminum frames (qty 2) - All horizontal steel mounting plates with 0 spacing possible 												
	Use 2 wood screws (606N or 606P) per side for wooden doors. Use 2 countersunk self-tapping screws (660.0950) per side for wide aluminum frames.												
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Fixing method</th> <th>Spacing</th> <th>Part no.</th> </tr> </thead> <tbody> <tr> <td>Screw-on*</td> <td>0</td> <td>175H3100</td> </tr> <tr> <td>EXPANDO</td> <td>0</td> <td>177H3100E</td> </tr> <tr> <td>Knock-in</td> <td>0</td> <td>177H3100</td> </tr> </tbody> </table>	Fixing method	Spacing	Part no.	Screw-on*	0	175H3100	EXPANDO	0	177H3100E	Knock-in	0	177H3100
	Fixing method	Spacing	Part no.										
Screw-on*	0	175H3100											
EXPANDO	0	177H3100E											
Knock-in	0	177H3100											

TIP-ON set for standard doors			
<div style="border: 1px solid black; padding: 2px; display: inline-block;">7</div> 	<ul style="list-style-type: none"> - Nylon gray unit with magnet tip - Adjustment range +4 to -1 - For door heights up to 400 (15-3/4") - Works for overlay and inset applications - Can be bored into the panel or used with an adapter plate 		
	<p>Set includes:</p> <ul style="list-style-type: none"> 7a TIP-ON (qty 1) 7b Screw-on catch plate (qty 1) 7c Wood screw 609.1500 (qty 1) - Glue-on catch plate (qty 1) 		
<ul style="list-style-type: none"> Carbon black (CS) Silk white (SW) Platinum gray (R7036) 	 <p>Diagram showing installation dimensions: 50 min (height), Ø10 (hole diameter), 18 (unit length), 0.6 (unit diameter).</p>		
<p>NOTE: Due to various door weights and sizes, trial application recommended</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td>Standard door set</td> <td style="text-align: right;">956.1004</td> </tr> </tbody> </table>	Standard door set	956.1004
Standard door set	956.1004		

Ordering Information

TIP-ON set for large doors ■		
<p>7</p>  <ul style="list-style-type: none"> ■ Carbon black (CS) □ Silk white (SW) ■ Platinum gray (R7036) 		<ul style="list-style-type: none"> - Nylon gray unit with magnet tip - Adjustment range +4 to -1 - For door heights greater than 400 (15-3/4") - Works for overlay and inset applications - Can be bored into the panel or used with an adapter plate <p>Set includes:</p> <ul style="list-style-type: none"> 7a TIP-ON (qty 1) 7b Screw-on catch plate (qty 1) 7c Wood screw 609.1500 (qty 1) - Glue-on catch plate (qty 1) <p style="text-align: right;">Part no.</p>
<p>NOTE: Due to various door weights and sizes, trial application recommended</p>		<p>Large door set 956A1004</p>

Adapter plate ■		
<p>8</p> 	<p>Straight adapter plate – short version</p>	<p>Specify color when ordering:</p> <ul style="list-style-type: none"> <li style="margin-right: 10px;">■ Carbon black (CS) <li style="margin-right: 10px;">■ Platinum gray (R7036) <li style="margin-right: 10px;">□ Silk white (SW) ■ Nickel lacquered (NI-L) <p style="text-align: right;">Part no.</p>
	<p>Cruciform adapter plate – long version</p>	<ul style="list-style-type: none"> ■ Platinum gray (R7036) <p style="text-align: right;">Part no.</p>
		<p>Straight adapter plate 956.1201</p> <p>Cruciform adapter plate 956A1501</p>

Planning

CLIP top Frameless Application

Lift mechanism

$Y = 137 + D + K$

CLIP top Face Frame Application

Lift mechanism

$Y = 169 + D + K$

COMPACT Face Frame Application

Lift mechanism

*Location when using COMPACT 31C3
**Location when using COMPACT 30C2

Door mounting plate

Attach using #6 x 5/8" (606N/P) wood screw

Door mounting plate

When using large overlay mounting plate (20K4501) hole location is offset by 19 (15.5 + OL - 19)

Attach using #6 x 5/8" (606N/P) wood screw

Door mounting plate

When using large overlay mounting plate (20K4501) hole location is offset by 19 (15.5 + OL - 19)

Attach using #6 x 5/8" (606N/P) wood screw

Space requirements

*Minimum top reveal based on hinge used. Please see minimum reveal specs in Concealed Hinges brochure

Cornice and crown molding clearance

Door thickness	16	19	22	24
X	45	34	23	15

K = Hinge arm crank	
Straight arm crank	= 0
Half-cranked arm	= 9.5
Full-cranked arm	= 18

Abbreviations

D	= Mounting plate height
K	= Hinge arm crank
OL	= Overlay

**Minimal internal height: 216 for 110° with 20K5501

***Minimal internal height: 225 for COMPACT with 20K5501

NOTE: Designed to be used in a lift-up application only

Planning

Narrow Aluminum Frameless Applications

Lift mechanism

Y = 137 + D + K

Arm assembly mounting plate

For frame width 19, an SFA of 11–18 is possible.

*When changing material thickness, adjust the assembly dimensions accordingly

SFA = Side door overlay

Door mounting plate

Attach using #6 x 11 (699.110) aluminum screw

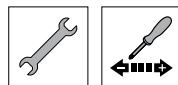
Hinge boring pattern

K = Hinge arm crank	
Straight arm crank	= 0
Half-cranked arm	= 9.5
Full-cranked arm	= 18

Abbreviations

D	= Mounting plate height
K	= Hinge arm crank
OL	= Overlay

Installation and Adjustment Instructions



Use QR code or link below for AVENTOS HK-XS installation and adjustment instructions

www.blum.com/aventos-hkxs-assembly

Planning

Standard and TIP-ON

Minimum gap

MFo = Minimum gap at the top depending on the hinge used
MFu = Minimum gap at the bottom 1.5

Overlay application

FA = Door overlay TB = Drilling distance F = Gap

Drilling distance (TB)

MD	Door overlay (FA)													
	5	6	7	8	9	10	11	12	13	14	15	16	17	18
0										3	4	5	6	7
3							3	4	5	6	7			
6				3	4	5	6	7						
9	3	4	5	6	7									

MD = Mounting plate spacing

See Concealed Hinge Brochure for COMPACT CLIP specs

Minimum gap (F) for doors with a door edge radius (R = 1) based on the factory setting

Drilling distance (TB)	Door thickness (FD)											
	16	18	19	20	21	22	23	24	25	26	28	30
3	0.5	0.8	1.0	1.2	1.5	1.8	2.2	2.7	3.5	4.3	-	-
4	0.5	0.8	1.0	1.2	1.4	1.7	2.0	2.5	3.1	3.8	-	-
5	0.5	0.8	0.9	1.2	1.4	1.7	2.0	2.4	2.9	3.4	-	-
6	0.5	0.8	0.9	1.2	1.3	1.6	1.9	2.3	2.7	3.2	-	-
7	0.5	0.8	0.9	1.1	1.3	1.6	1.9	2.2	2.6	3.0	-	-
A trial application is recommended												
For +2 height adjustment, add:												
	+0.2	+0.4	+0.4	+0.5	+0.5	+0.5	+0.5	+0.5	+0.5	+0.5	-	-

Screw-on assembly

INSERTA | knock-in assembly

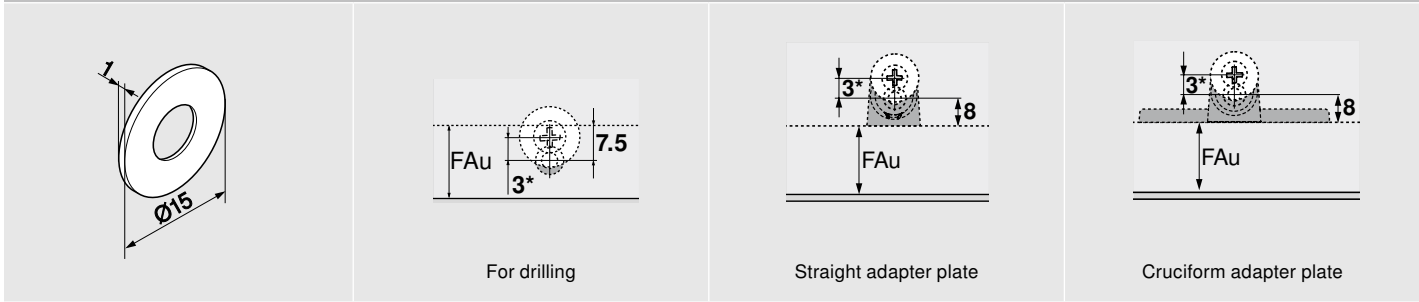
Hinge cup dimensions

Further planning information for TIP-ON – see page 60

Planning

TIP-ON

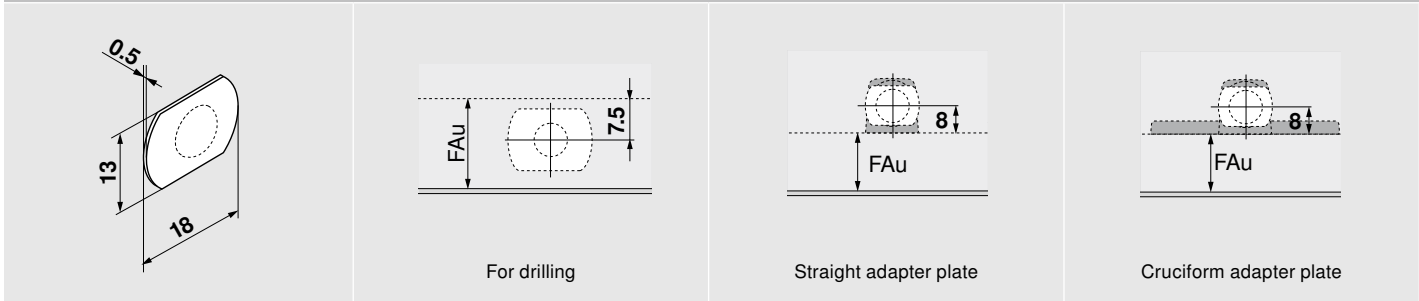
Screw-on catch plate planning



*For the screw-on catch plate we recommend positioning the catch plate 3 away from TIP-ON.

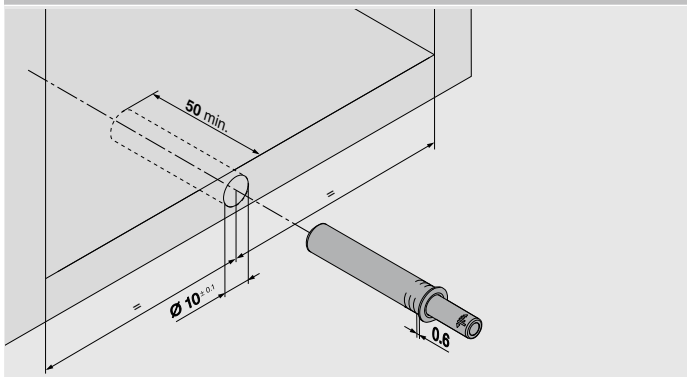
FAu = Bottom door overlay

Glue-on catch plate planning



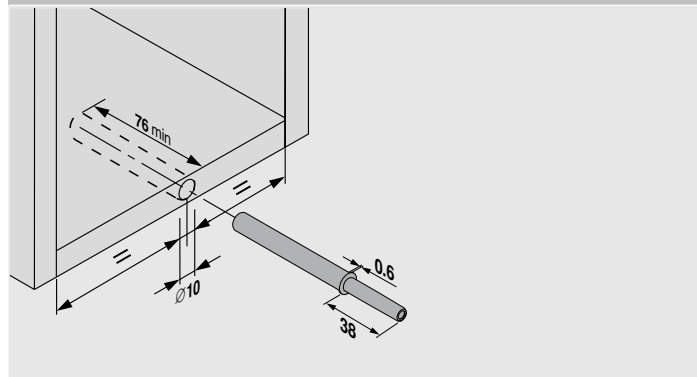
FAu = Bottom door overlay

TIP-ON for drilling fixing position – standard doors



For stay lifts up to and including a height of 400

TIP-ON for drilling fixing position – large doors

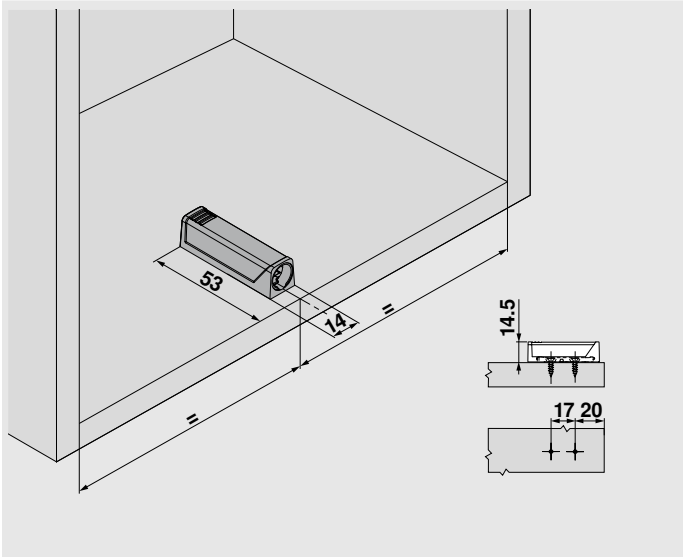


For stay lifts with a height greater than 400

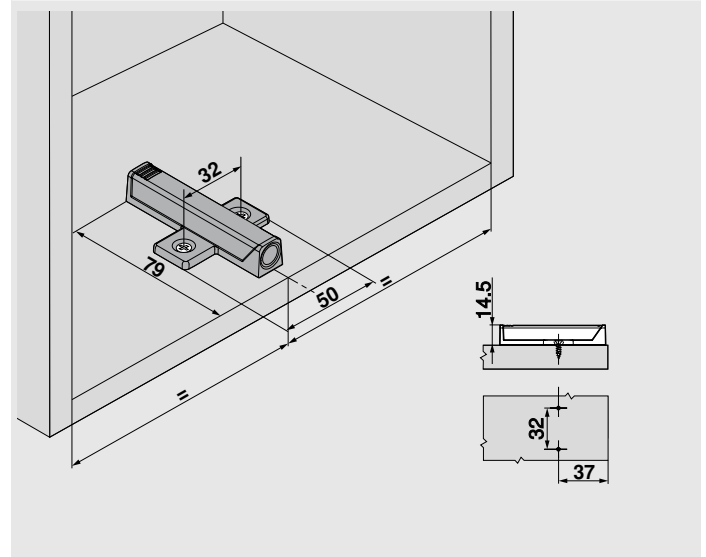
Planning

TIP-ON Adapter Plate Fixing Position

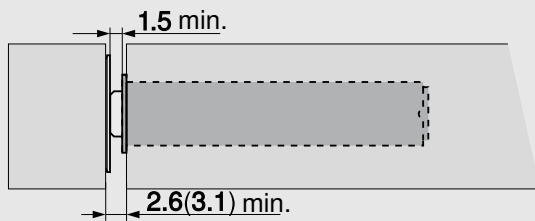
Straight adapter plate – short version



Cruciform adapter plate – long version



Installation dimensions for door gap



2.6 minimum with glue-on catch plate

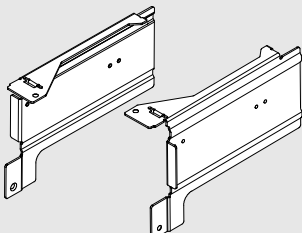
() = 3.1 minimum with screw-on catch plate

AVENTOS face frame mounting brackets provide a fast and easy way to install AVENTOS in face frame cabinets without the need to block out. The brackets provide an accurate mounting location in the cabinet for the lift mechanism to simply mount to the bracket with the supplied mounting screws.



AVENTOS HK top face frame mounting bracket set

- Brackets for mounting AVENTOS HK top in face frame cabinet
- Minimum recess of **12.5** (1/2")
- Provides accurate mounting position for lift mechanism



Set includes:

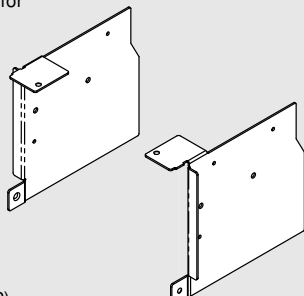
- Right and left brackets
- M4 x **30** lift mounting screws (qty 12)

Part no.

HK top frame mounting bracket set **22K6001**

AVENTOS HK-S face frame mounting bracket set

- Brackets for mounting AVENTOS HK-S in face frame cabinet
- Minimum recess of **12.5** (1/2")
- Provides accurate mounting position for lift mechanism



Set includes:

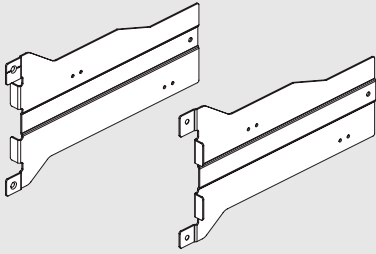
- Right and left brackets
- M4 X **30** lift mounting screws (qty 12)

Part no.

HK-S frame mounting bracket set **20K6A01**

AVENTOS HF top face frame mounting bracket set

- Brackets for mounting AVENTOS HF top in face frame cabinet
- Minimum recess of **12.5** (1/2")
- Provides accurate mounting position for lift mechanism



Set includes:

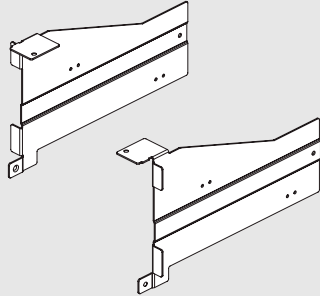
- Right and left brackets
- M4 x **30** lift mounting screws

Part no.

HF top frame mounting bracket set **22F6001**

AVENTOS HL top face frame mounting bracket set

- Brackets for mounting AVENTOS HL top in face frame cabinet
- Minimum recess of **12.5** (1/2")
- Provides accurate mounting position for lift mechanism



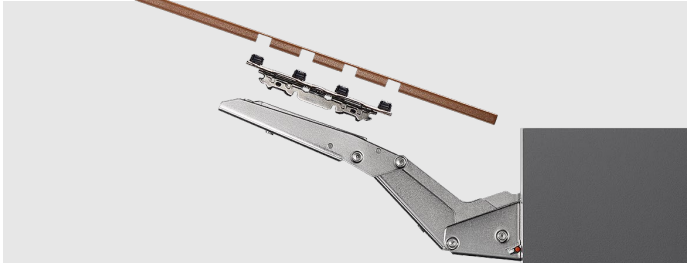
Set includes:

- Right and left brackets
- M4 x **30** lift mounting screws

Part no.

HL top frame mounting bracket set **22L6001**

EXPANDO T



- EXPANDO T – pre-assembled fixing system
- Thin fronts of **8** or more
- Different front materials
- 3 different applications: lift systems, hinge systems and box systems

Door mounting plate for AVENTOS HS top | HL top | HK top



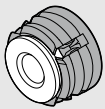
- Steel symmetrical door mounting plate
- Fixing positions as per the details in the respective planning information
- Thin fronts (qty 2)

EXPANDO T door mounting plate

Part no.

20S42T1

EXPANDO T – single



- Nylon/steel
- Dark gray

Dowel

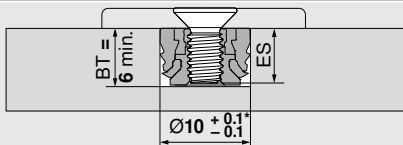
Part no.

70T4532T

Installation screw

M4x8MM

Drilling depth | Screw selection – EXPANDO T



*Stone and ceramic **+0.2/-0.1**

Screws with M4 thread have to be used for EXPANDO T single

The lowest possible drilling depth should be selected for the single dowel depending on the screw length

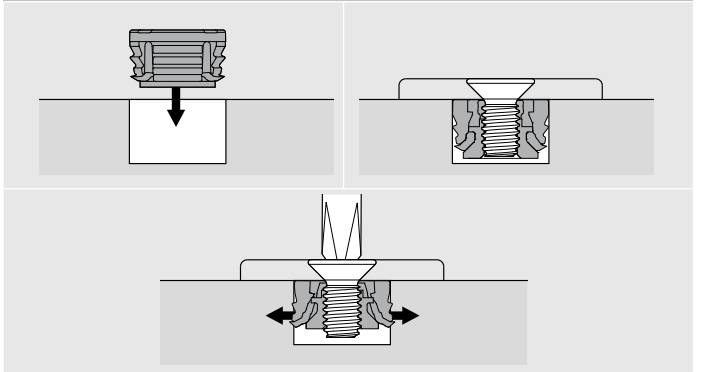
BT = Drilling depth

ES = 4 minimum

ES = Screw penetration depth

ES = 0.5 maximum drilling depth –

Assembly – EXPANDO T



Area of application and assembly recommendation

EXPANDO T is suitable for attaching Blum hardware to thin cabinet fronts of all types of materials. Front materials can be just **8** thick or more, provided they are sufficiently stable and strong.

Nm = Minimum tightening torque

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

Limitation of liability

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



Use QR code or link below for EXPANDO T installation and adjustment instructions

<https://www.blum.com/us/en/products/innovations/thin-doors/assembly/>

Door Assembly

Universal drilling template

Part no.
ZML.0040.02

Mounting plate template

Part no.
65.5300

Marking template for AVENTOS HK top door mounting plate

Part no.
ZML.2200

Cabinet Assembly

Universal individual template

Part no.
65.1051.02

Universal boring template

Part no.
65.1000.01

Hinge Systems Assembly

Mounting plate template

Part no.
65.5300

ECOJIG

Part no.
65.5070

INSERTA boring template

Part no.
Ø8 | 2.5
65.059A

ECODRILL

Part no.
M31.1000

QUICKFIX

Part no.
65.7500.03

Knock-in tool

Part no.
ZME.0710

Insertion tool for mounting plates

Part no.
65.6100

Mounting plate
ZME.0730

Steel horizontal mounting plate
ZME.0730

SERVO-DRIVE Assembly

Assembly – SERVO-DRIVE

Part no.

Drilling template for the SERVO-DRIVE switch	M31.2000
--	-----------------

Assembly – TIP-ON

Part no.

Drilling template for BLUMOTION TIP-ON	65.5010
--	----------------

Face frame adapter plate assembly

adjustable
M4 x 25 mm spacer screws included

- Boring template for all Blum face frame adapter plates
- Clamps to the frame with cam lever
- Adjustment knob accommodates face frame thickness of 5/8" to 1"
- Spacer screws allow quick use without measuring

Set includes:

- 1** PLATEMATE template
- 2** Ø.35 pilot bit and extension
- 3** Ø5 stop collar

Also includes:

- Reversible bushing insert for **32** hole spacing for 175L6xxx
- Reversible bushing insert for **40** hole spacing for 175H6

Part no.

PLATEMATE	65.5030.01
Ø2.5 drill bit	DB-2.5mm R

TORX DRIVER

For AVENTOS HKI and AVENTOS top adjustments

Part no.

T20 TORX DRIVER	TORX DRIVER
T8 TORX DRIVER	SR-DREH TX8
T20 x 2" TORX bit insert	TORX BIT T20X2

POZI DRIVER

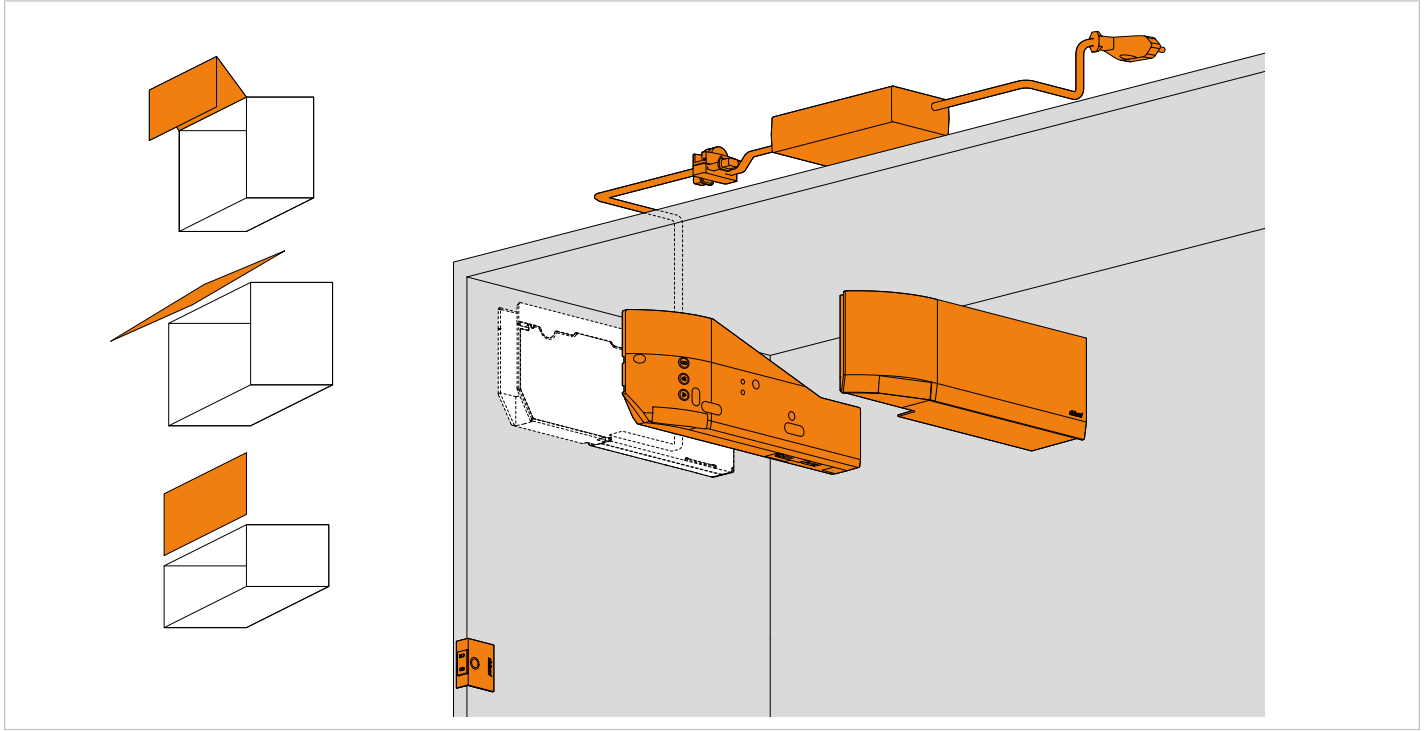
A POZI screwdriver (different from Phillips) is the most crucial tool you can use to assure that full torque is applied to all Blum mounting screws. POZI screws can be identified by the distinctive "tick" marks located in the center of the screwhead recess.

Part no.

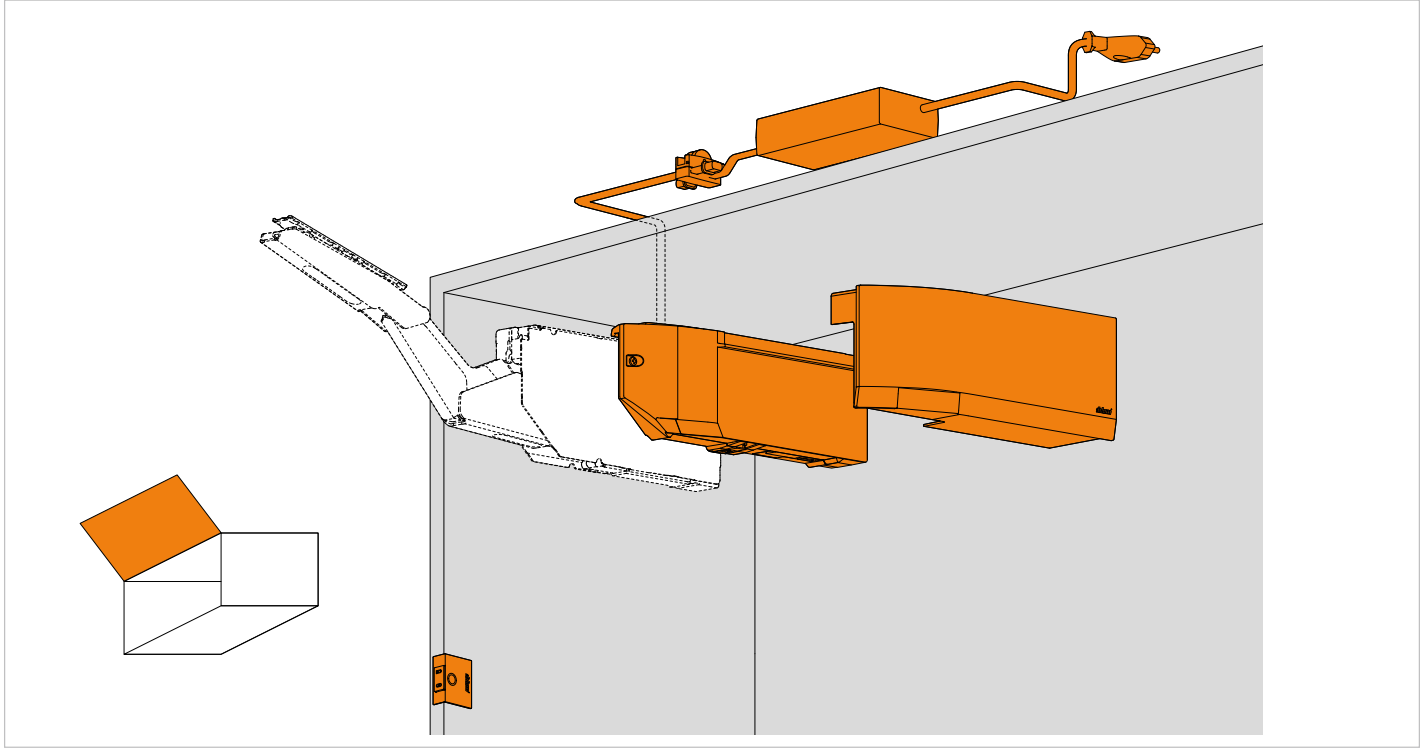
#2 POZI DRIVER	POZI DRIVER
1/4" Magnetic bit holder	BIT HOLDER
#2 x 1" POZI bit insert	POZI BIT #2X1
#2 x 2" POZI bit insert	POZI BIT #2X2

SERVO-DRIVE for AVENTOS HF top, HS top, HL top

SERVO-DRIVE Power Supply Unit and Accessories



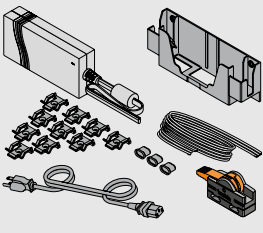
SERVO-DRIVE for AVENTOS HK top



Ordering Information

SERVO-DRIVE Power Supply Unit and Accessories

Option 1: Power supply set



Set includes:

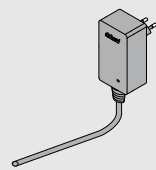
- Power supply
- Wall mount bracket
- Three-prong power cord
- Cable connector
- Cable end protector (qty 3)
- Cable clips (qty 10)
- 19 feet universal cable

Part no.

Power supply set **Z10NE03UG10**

Option 2: SERVO-DRIVE uno plug-in power supply unit

Only suitable for one drive unit



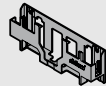
Set includes:

- SERVO-DRIVE plug-in power supply unit
- 1120 cable (with SERVO-DRIVE distribution cable extendable to maximum of 2000)

Part no.

Power supply unit **Z10NA30UGF**

Power supply unit housing




– Nylon panel fixing
– For SERVO-DRIVE power supply unit

White gray (WGR)

Part no.

Power supply unit housing **Z10NG120**

SERVO-DRIVE switch



For adding additional activation switches to a SERVO-DRIVE for AVENTOS application.

- Up to six switches can be added per drive unit


Silk white Dark gray
Light gray

Part no.

SERVO-DRIVE switch (set of 2) **23P5020**

NOTE: A switch can only be synchronized to one drive unit

SERVO-DRIVE switch adapter



– Used for face frame and frameless applications
– Doesn't require boring into side of cabinet

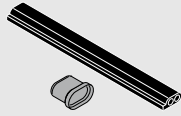
Silk white Dark gray
Light gray

Part no.

SERVO-DRIVE switch adapter **23P5216**

Accessories

SERVO-DRIVE distribution cable and cable end protector



For cutting to size – 8 m

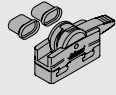
Set includes:

- SERVO-DRIVE distribution cable
- Cable end protector (qty 5)

Part no.

Distribution cable and cable end protector **Z10K800AE**

Connecting node and cable end protector



Nylon connecting node and cable end protector

Set includes:

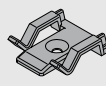
- Connecting node
- Cable end protector (qty 2)

Black (S)

Part no.

Connecting node and cable end protector **Z10V100E.01**

Cable holder



For attaching the SERVO-DRIVE distribution cable

White (W)

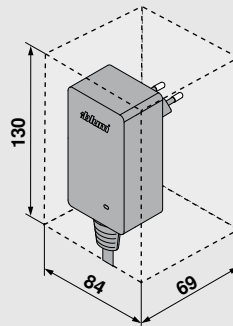
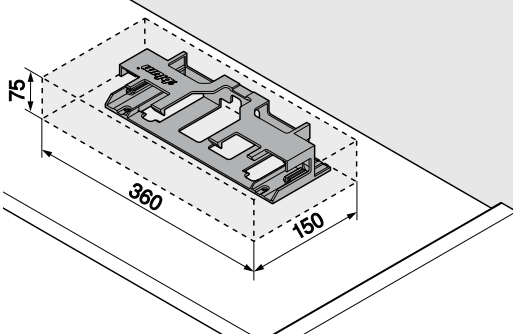
Part no.

Cable holder **Z10K0009**

SERVO-DRIVE for AVENTOS HF top, HS top, HL top

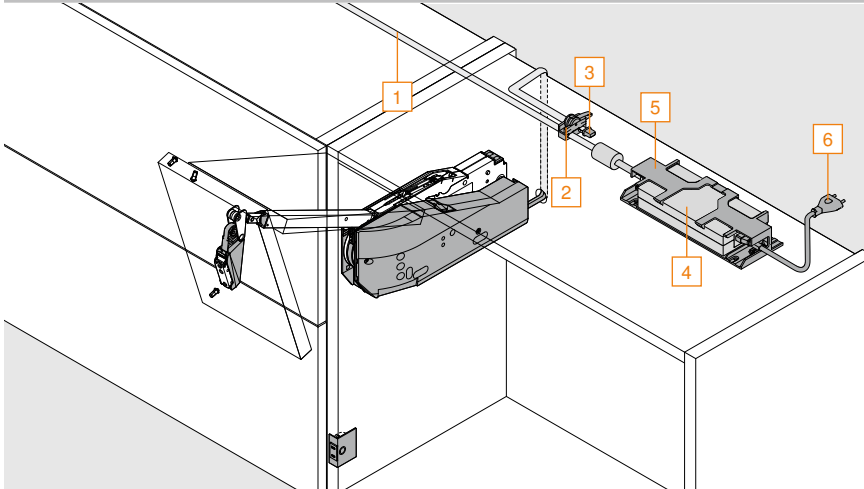
SERVO-DRIVE Power Supply Unit and Accessories

Space requirement and safety distance



i A safety distance of 30 mm must be maintained for air circulation (see graphic); otherwise, there is a risk that the SERVO-DRIVE power supply unit or SERVO-DRIVE plug-in power supply unit could overheat.

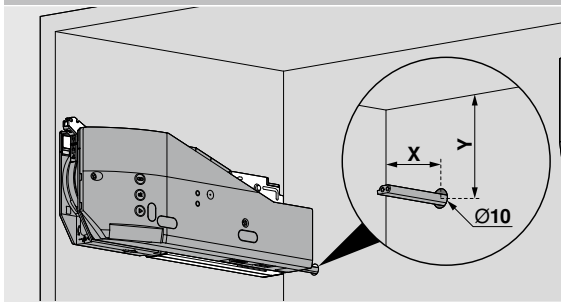
Assembly on the cabinet top panel



- 1 SERVO-DRIVE distribution cable
- 2 Connecting node
- 3 Cable end protector
- 4 SERVO-DRIVE power supply unit
- 5 Power supply unit housing
- 6 Three-prong power cord

i Only one SERVO-DRIVE power supply unit can be connected to each SERVO-DRIVE distribution cable!

Back cabling

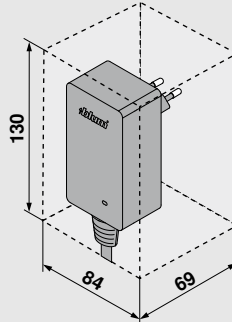
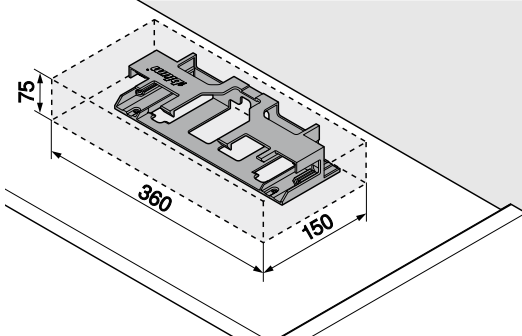


		X	Y
AVENTOS HF top	Cabinet height	480–519	102
		520–1219	124
AVENTOS HS top		38.5	45
AVENTOS HL top		38.5	71

SERVO-DRIVE for AVENTOS HK top

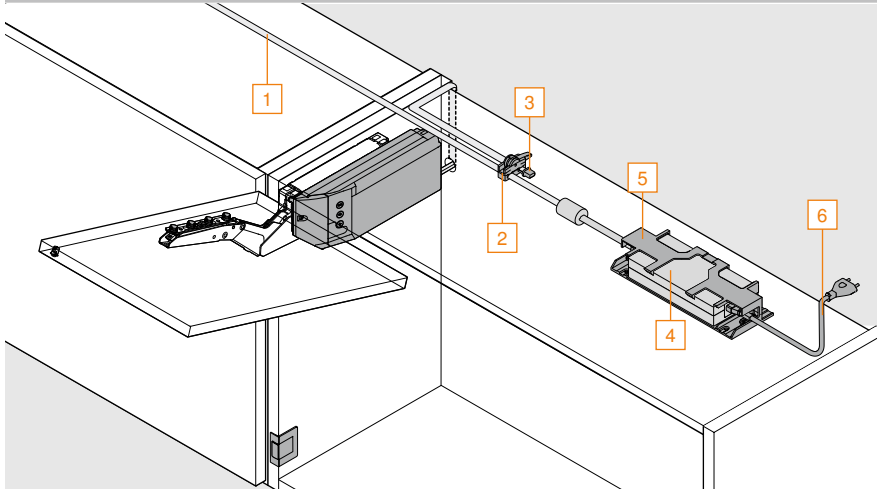
SERVO-DRIVE Power Supply Unit and Accessories

Space requirement and safety distance



i A safety distance of 30 mm must be maintained for air circulation (see graphic); otherwise, there is a risk that the SERVO-DRIVE power supply unit or SERVO-DRIVE plug-in power supply unit could overheat.

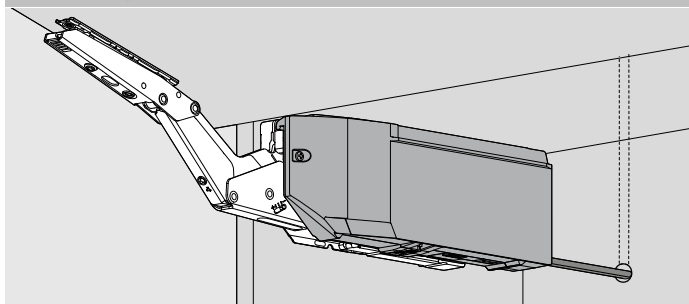
Assembly on the cabinet top panel



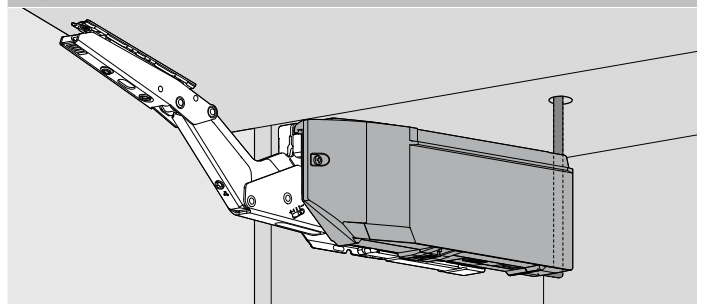
- 1 SERVO-DRIVE distribution cable
- 2 Connecting node
- 3 Cable end protector
- 4 SERVO-DRIVE power supply unit
- 5 Power supply unit housing
- 6 Three-prong power cord

i Only one SERVO-DRIVE power supply unit can be connected to each SERVO-DRIVE distribution cable!

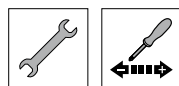
Back cabling



Top cabling



Installation and Adjustment Instructions



Use QR code or link below for AVENTOS top SERVO-DRIVE installation and adjustment instructions

www.blum.com/servodrive-aventos-assembly

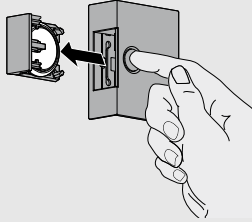
SERVO-DRIVE for AVENTOS top

Replacing the SERVO-DRIVE switch battery

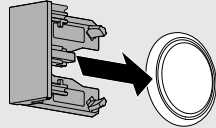
When the battery power begins to weaken, the battery display (LED) begins to flash red.
If the battery is inserted incorrectly, the SERVO-DRIVE switch battery display will flash red.

- Open the SERVO-DRIVE switch and remove the battery
- Insert the new battery (type CR2032) and close the SERVO-DRIVE switch – note correct polarity +/-

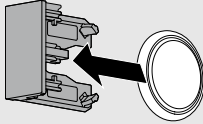
- 1 Press release button on switch and remove battery tray.



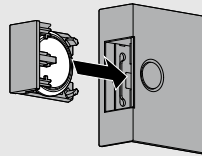
- 2 Remove old battery.



- 3 Replace with new battery.



- 4 Insert battery tray back into switch.



NOTE: The SERVO-DRIVE switch battery must not be recharged or discarded into fire.

Our Services at a Glance

Our services support you throughout your entire process – from planning and design, all the way through to manufacturing. Take advantage of our tried-and-tested and user-friendly services for your projects with AVENTOS.



Planning, design, quoting

Product Database offers specific product details, photos and CAD data. Our Product Configurator provides you with checked and complete parts lists specifically for your application.



Ordering

To make it easy to order your AVENTOS configuration, you can manage your different projects and order lists with ease under “My Projects” and “My Order Lists.”



Manufacturing

CAM data can be downloaded from the Product Configurator to assist you during the cabinet manufacturing process. Have a Blum EASYSTICK? Transfer BXF files from the Product Configurator directly to your machine.



Assembly, installation

Download our EASY ASSEMBLY app for quick access to assembly and installation instruction sheets and videos. The easy-to-use interface allows you to filter by product type. Save your most used products to your favorites to find the information again quickly.



Marketing

Using our free Marketing Media Library, you can find photos, videos and logos to assist you in your own marketing efforts.



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moving ideas

At Blum, we pay attention to those small, but valuable, details. We're attentive in everything we do. With our carefully engineered hardware, innovative motion technologies and customized services, we help move your ideas forward. Let's move the world together.



Quality of living

We engineer our products with your lifetime in mind. As your mobility needs change, Blum hardware keeps your cabinets accessible.



Product range

Everything from a single source: Our wide range of products allows you to keep up with the trends of today and tomorrow.



Inspiration

We monitor global trends and strive to create the solutions of tomorrow. We like to share our insights with you.



Innovation

We stay in motion. Our curiosity and pioneering spirit drive us to develop new products and services for you.



Services

We support your daily operations with customized services tailored to your processes.



Quality

We continuously strive to improve our products, services and ourselves.



Trust

It's our goal to build lasting relationships with our customers, employees and in our community.

Julius Blum started our journey in 1952 with horseshoe studs. Today we supply innovative hardware to customers in over 120 countries.

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