AVENTOS HK top

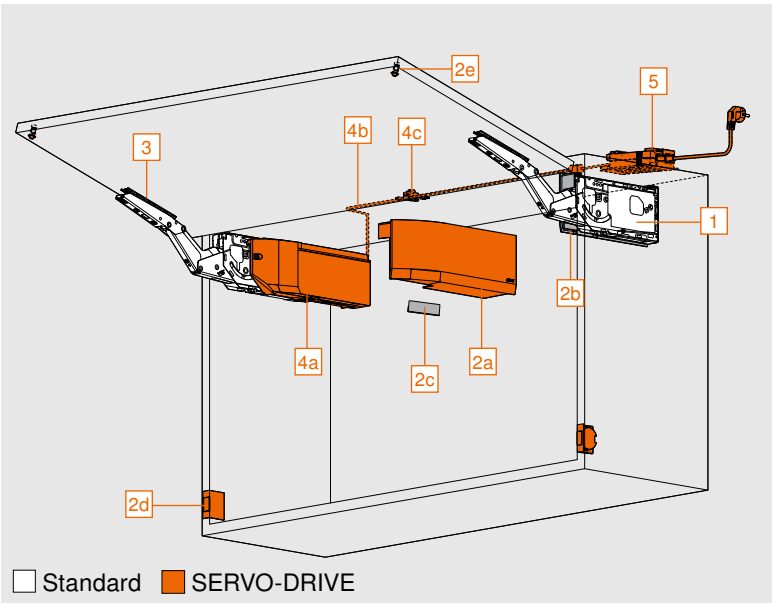
Stay lift door



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Ordering information

Standard and SERVO-DRIVE



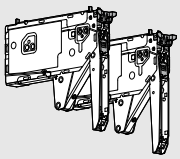
- Ideal for small applications in wall cabinets, tall cabinets and over the refrigerator
- Cabinet height **205** (8") to **610** (24")
- Cabinet width up to **1828** (72")
- Soft and effortless closing thanks to BLUMOTION
- Light operating forces
- Harmonious quality of motion with a variable stop
- 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 Ø**4** x **35** (qty 8)

*infinitely variable adjustment

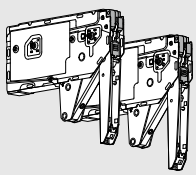
Specify finish when ordering:
Nickel (NI) Eclipse black (ECS)

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

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

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

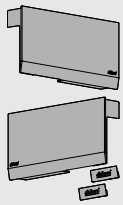
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Ordering information

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)

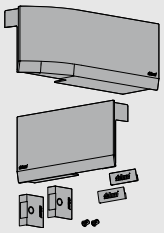
Specify color when ordering:

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

	Part no.
Cover cap set	22K8000

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 Ø**5** (qty 2)

Specify color when ordering:

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

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

Branding element (optional)

2c



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

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

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

*Branding element is printed or embossed with Blum logo

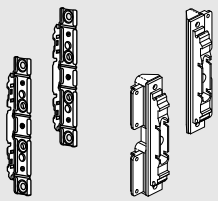
Customized branding element

Printed: 1000 pc minimum

Embossed: 5000 pc minimum

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 narrow aluminum frames.

Specify finish when ordering 20S4200 or 20S4200A:

- Nickel (NI)
- Onyx black (ONS)

	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 65
- Thin fronts (qty 2)

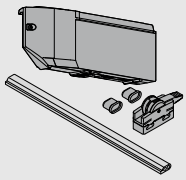
	Part no.
EXPANDO T door mounting plate	20S42T1

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Ordering information

SERVO-DRIVE set

4



Set includes:

- 4a SERVO-DRIVE drive unit (qty 1)
- 4b SERVO-DRIVE distribution cable, **1500** (qty 1)
- 4c Connecting node (qty 1)
- - Cable end protector (qty 2)

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

Dust gray (R7037)

	Part no.
SERVO-DRIVE set	**23KA000**

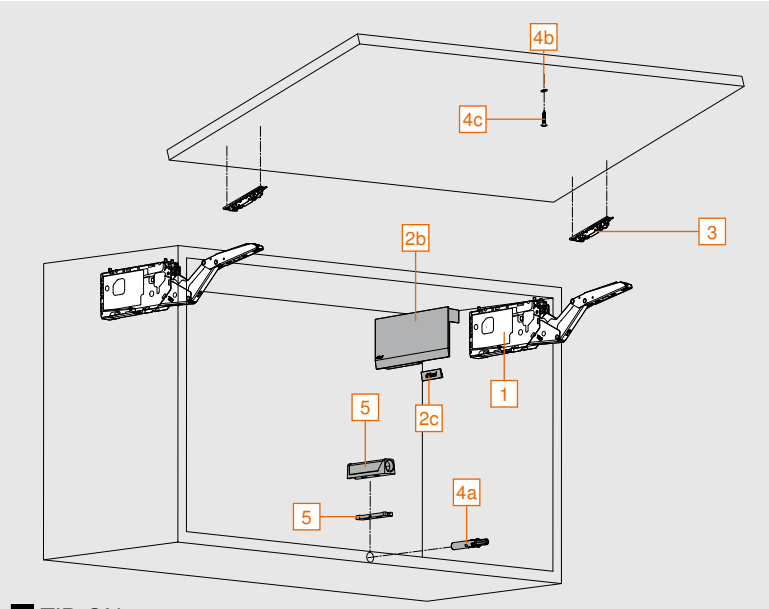
SERVO-DRIVE power supply unit and accessories

5 See page 70 for complete ordering information

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Ordering information

TIP-ON



■ TIP-ON

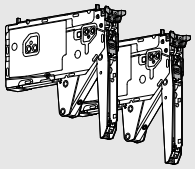
- TIP-ON for handleless stay lifts
- Cabinet height **205** (8") to **610** (24")
- Cabinet width up to **1828** (72")
- For drilling or in combination with adapter plates

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

1



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

*infinitely variable adjustment

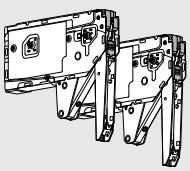
Specify finish when ordering:
Nickel (NI) ■ Eclipse black (ECS)

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

1



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

*infinitely variable adjustment

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

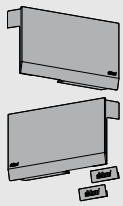
Power factor	Opening angle*	Part no.
36–139	107°	**22K2310T**
80–240	107°	**22K2510T**
150–450	100°	**22K2710T**
270–781	100°	**22K2910T**

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Ordering information

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

Branding element (optional)

2c



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

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

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

*Branding element is printed or embossed with Blum logo

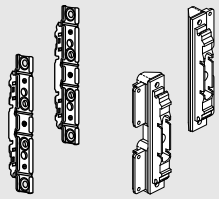
Customized branding element

Printed: 1000 pc minimum

Embossed: 5000 pc minimum

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 narrow aluminum frames.

Specify finish when ordering 20S4200 or 20S4200A:

- Nickel (NI)
- Onyx black (ONS)

	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 65
- Thin fronts (qty 2)

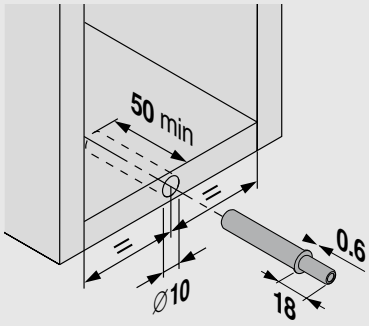
	Part no.
EXPANDO T door mounting plate	20S42T1

TIP-ON set

4



- Carbon black (CS)
- Silk white (SW)
- Platinum gray (R7036)



- Nylon gray unit with magnet tip
- Adjustment range +**4** to -**1**
- Works for overlay and inset applications
- Can be bored into the panel or used with an adapter plate

Set includes:

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)

NOTE: Due to various door weights and sizes, trial application recommended

	Part no.
Standard door set	956.1004

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Ordering information

Accessories

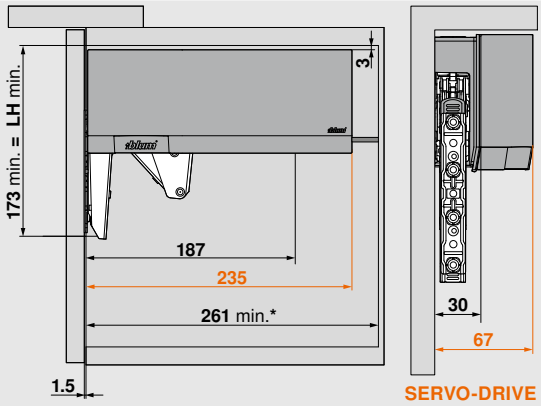
Adapter plate ■			
5 	Straight adapter plate – short version	Specify color when ordering: ■ Carbon black (CS) ■ Platinum gray (R7036) □ Silk white (SW) ■ Nickel lacquered (NI-L)	Part no.
		Straight adapter plate	**956.1201**

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Planning

Standard, SERVO-DRIVE and TIP-ON

Space requirement

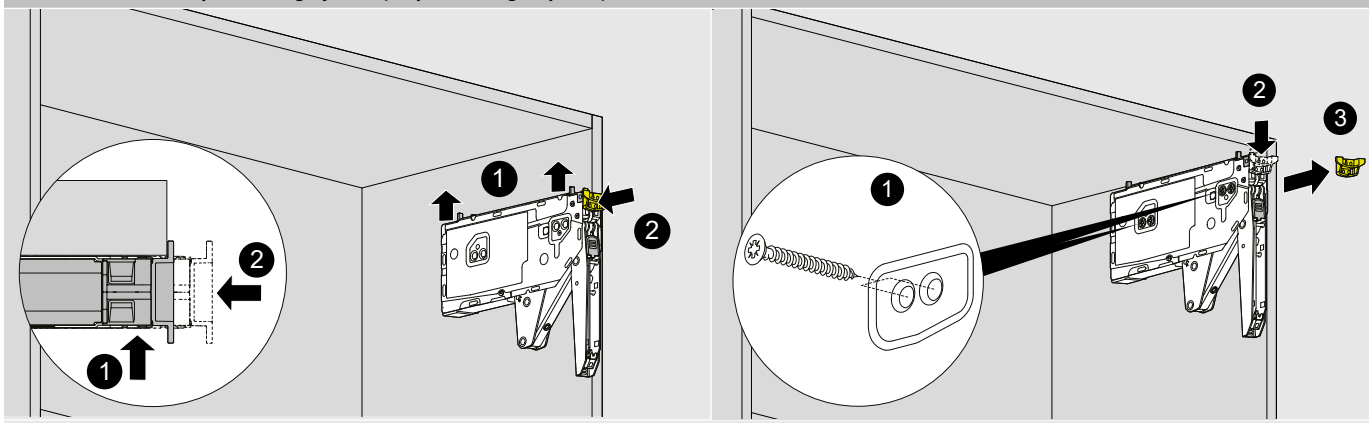


*261 minimum with visible wall hanging bracket

NOTE: Maximum cabinet height of 610 (24")

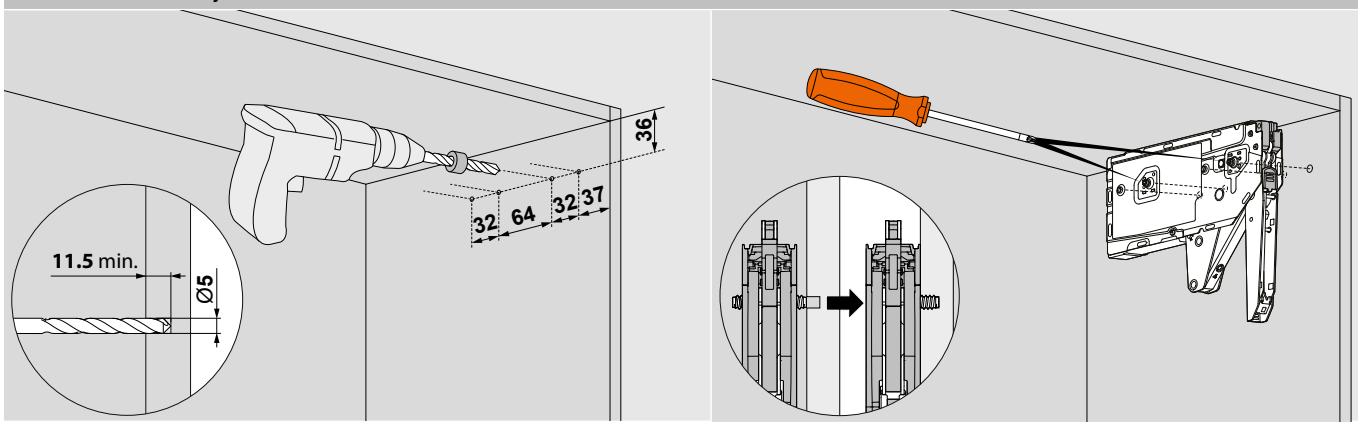
LH = Inside cabinet height

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



4 x wood screws Ø4 x 35

Lift installation with system screws



Face frame application

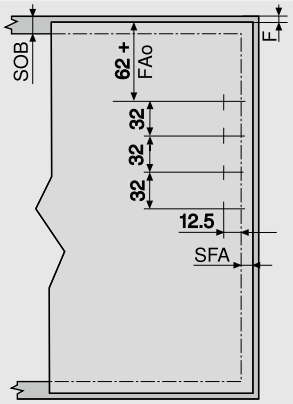
See page 64 for information on face frame mounting brackets.

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Planning

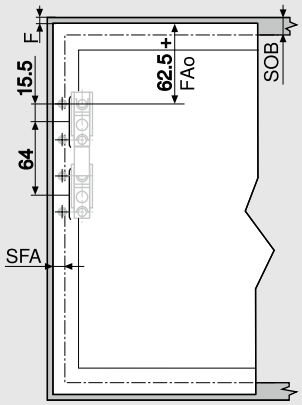
Standard, SERVO-DRIVE and TIP-ON – Door assembly

Wooden doors and wide aluminum frames



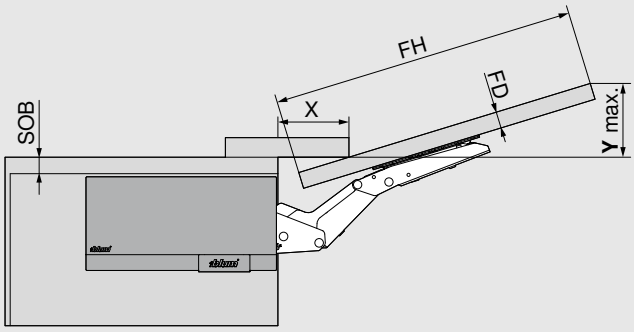
FAo = **25.4** maximum
SFA = Side door overlay
FAo = Upper door overlay
F = Gap
SOB = Top panel thickness

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

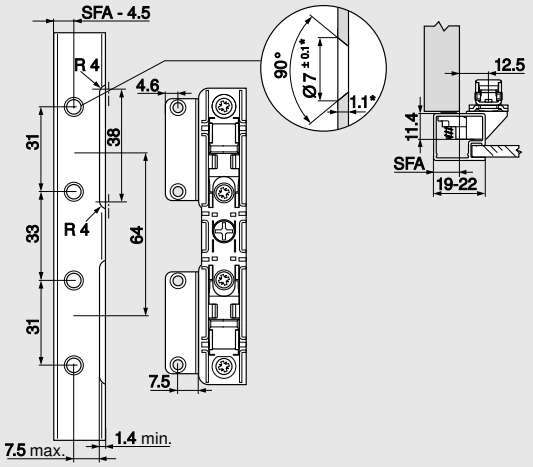
At maximum opening angle

Y = FH x **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

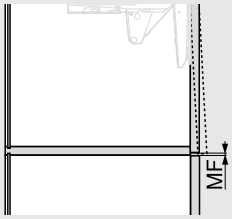


For frame width **19**, an SFA of **11**–**18** is possible.

*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

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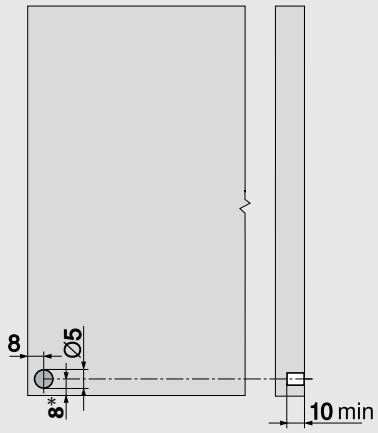
Planning

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

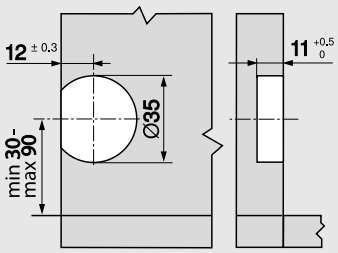
Recommendation for aluminum frames

Consider drilling the Blum distance bumper in the cabinet side

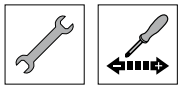
A trial application must be carried out when fixing to the door

*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

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