



AVENTOS

An inspiring range
of lift systems

www.blum.com

 **blum**[®]

Freedom of movement – multitude of options

AVENTOS lift systems deliver top quality motion and ease of use to wall cabinets, thus enhancing the quality of living. Even large and heavy fronts glide up and out of the user's way, providing full freedom of movement. We are never satisfied with the status quo and that is why we are continually optimising AVENTOS for you and your customers.



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Award-winning design – mesmerising elegance

The AVENTOS range not only excels in terms of functionality. It also boasts a sleek and elegant design. Numerous international prizes bear testimony to its award-winning design.

Minimalist cover cap
Impresses with a sleek look

Silk white, light grey, dark grey
Select the right colour cover cap to
blend stylishly with the furniture

Branding element
Can be customised



Detailed information on awards
at: www.blum.com/award



How can you make tall units and wall cabinets even more ergonomic?

With lift systems for easy access to contents. Especially in the kitchen. This is how you can design fine furniture with enhanced convenience for your customers and increase the quality of living at the same time. We carry out kitchen surveys worldwide and are continuously expanding our fittings range and improving user convenience to meet customers' needs.

Since **2005**

Ongoing continuous development: AVENTOS is continually being improved to bring more quality to furniture.

AVENTOS | Ease of use



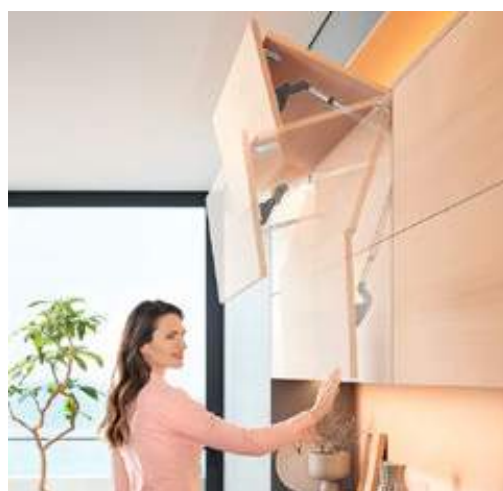
Freedom of movement

The front lifts up and out of the way. It holds in any position so it can be left open while the kitchen is in use. This makes it easy to access contents at all times.



Ample storage space

Tall units and wall cabinets with lift systems come in all heights and widths to suit storage space requirements. This also enables customers to align wall cabinet gaps with those of base units.



Enhanced ease of use

Fronts open with a feather-light glide and can be equipped with a mechanical or electrical opening support system to suit customers' wishes. They close softly and effortlessly with BLUMOTION and SERVO-DRIVE with integrated soft close.



Find out more about
the four motion technologies
by Blum at:
www.blum.com/4formore



Delivering enhanced convenience to tall and wall cabinets

Enhance functionality by equipping wall cabinets with motion technologies.
Whether with or without handles, the right motion technology will make it even
easier for your customers to open and close tall units and overhead cupboards.

**SERVO-DRIVE**

by Blum

Electrical opening and soft close

Thanks to SERVO-DRIVE, fronts open at a single touch. And they close automatically at the press of a switch. With integrated soft close.

**BLUMOTION**

by Blum

Soft close


BLUMOTION always provides soft and effortless closing for wall cabinet fronts regardless of the weight or closing speed.

**TIP-ON**

by Blum

Mechanical opening

Wall cabinets open at a single touch, giving users easy access to the opening edge of fronts. To close, simply press shut.



Easy assembly in just a few steps

Virtually tool-free

AVENTOS boasts easy, virtually tool-free assembly thanks to tried and tested CLIP technology. The only tool required is a cordless screwdriver for adjusting the lift mechanism precisely to the front weight. 3-dimensional front adjustment guarantees perfect gap alignment.

SERVO-DRIVE

Easy start-up: SERVO-DRIVE for AVENTOS has few components that can be assembled with ease and adjusted with precision. The SERVO-DRIVE drive unit can be clipped onto the lift mechanism and cabled, the wireless switch installed and the system put into operation in next to no time.



Find out more about SERVO-DRIVE
for AVENTOS assembly:
www.blum.com/sdaventosasassembly



Reliable quality

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

80,000 x



Precision testing

Each fitting is tested extensively according to strict criteria. Testing is carried out at our own test labs as well as in conjunction with international testing organisations. 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.



Long warranty

Everyone who uses Blum products and services should benefit from them. From furniture manufacturers to end users who enjoy Blum fittings year in, year out. We are fully committed to this philosophy and offer a full 5-year warranty on all electrical components used in combination with Blum products.

Lift systems for more freedom of movement

AVENTOS lift systems deliver top quality motion and enhanced convenience to any wall cabinet. Whether wall cabinets in kitchens or living areas, with large or small fronts, all AVENTOS lift systems open with utmost ease and close again softly and effortlessly with integrated BLUMOTION. Fronts glide up and out of the way, providing full freedom of movement .





| | |
|-----------|-------------|
| BLUMOTION | SERVO-DRIVE |
| by Blum | by Blum |

AVENTOS HF – For bi-fold lift systems

The solution for high wall cabinets with bi-fold fronts and little space needed above the cabinet.



| | |
|-----------|-------------|
| BLUMOTION | SERVO-DRIVE |
| by Blum | by Blum |

AVENTOS HS – For up & over lift systems

The ideal fitting for large, one-part fronts. There is enough space above the cabinet for cornice or crown mouldings.



| | |
|-----------|-------------|
| BLUMOTION | SERVO-DRIVE |
| by Blum | by Blum |

AVENTOS HL – For lift ups

Suitable for tall units or wall cabinets with cabinets positioned above them. AVENTOS HL can also solve tricky installation situations, e.g. integration of electrical appliances.



| | | |
|-----------|-------------|---------|
| BLUMOTION | SERVO-DRIVE | TIP-ON |
| by Blum | by Blum | by Blum |

AVENTOS HK top – For stay lifts

Compact, minimalist and highly functional. Small but strong, it is suitable for both small and large wall cabinets. Opening angle stop and safety mechanism are integrated.



| | |
|-----------|---------|
| BLUMOTION | TIP-ON |
| by Blum | by Blum |

AVENTOS HK-S – For small stay lifts

The right solution for small wall cabinets with one-part fronts, e.g. above larder units or refrigerators. The compact lift system fits snugly into small cabinets.



| | |
|-----------|---------|
| BLUMOTION | TIP-ON |
| by Blum | by Blum |

AVENTOS HK-XS – For small stay lifts

Suitable for many applications (for both tall units and wall cabinets) and needs very little space. The lift system can even be used for cabinets with a shallow internal depth.



More information
on AVENTOS HF
can be found at
www.blum.com/aventoshf

AVENTOS HF

The AVENTOS HF bi-fold lift system is the ideal solution for high and mid height wall cabinets. Even large wall cabinets can be implemented thanks to the bi-fold front. AVENTOS HF offers a vast variety of planning and design options. Be it wooden fronts, narrow or wide aluminium frames, combinations of different materials or even fronts of different heights, you will always be able to meet your customers' individual requirements.

BLUMOTION

by Blum

SERVO-DRIVE

by Blum

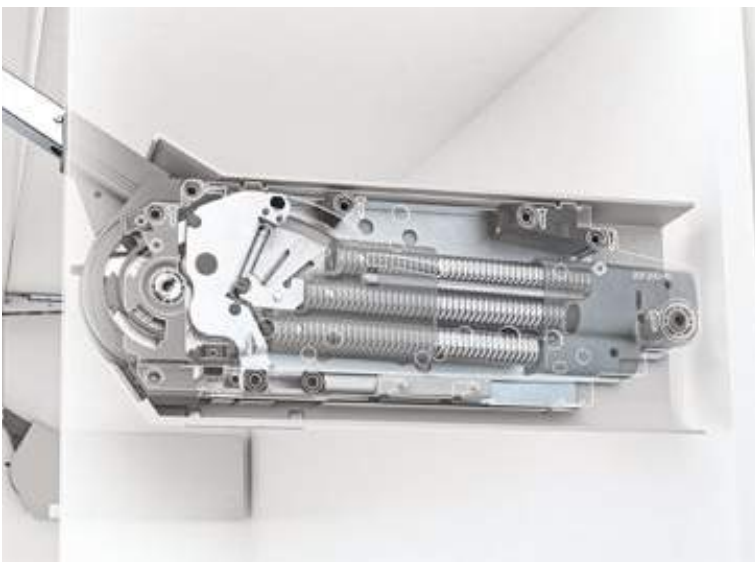


More design freedom

AVENTOS HF allows you to use a combination of materials for wall cabinet fronts.



Innovative technology with integrated safety features The CLIP top centre hinge prevents fingers getting caught.



At the heart of this fittings solution is the lift mechanism with BLUMOTION and a durable spring package.



More information
on AVENTOS HS
can be found at
www.blum.com/aventoshs

AVENTOS HS

Even large, one-part fronts swing up and over with gravity-defying ease with AVENTOS HS. There is still enough space above the cabinet for a host of design possibilities such as beautiful cornice or crown mouldings. Like all other AVENTOS systems, the assembly of the up and over system is easy and virtually tool-free.

BLUMOTION

by Blum

SERVO-DRIVE

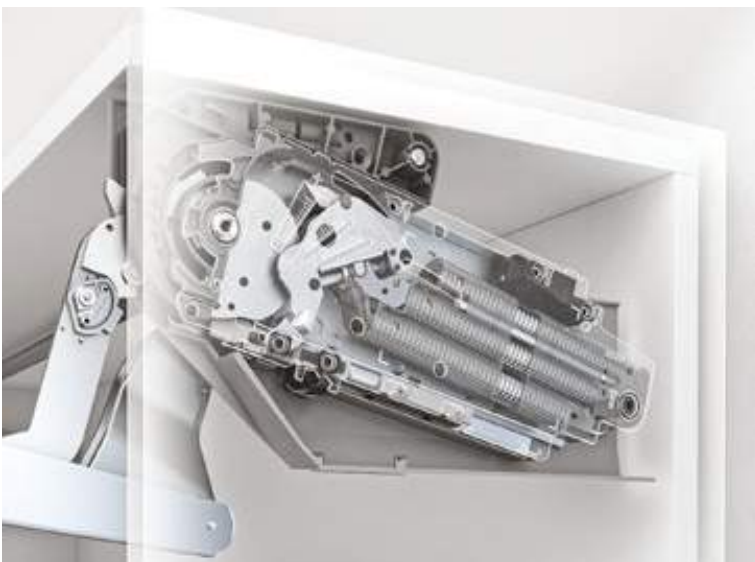
by Blum



The up & over lift system can also be implemented with EXPANDO T, the fixing system for thin fronts, and no changes need be made to the fixing position.



Tailored to your taste
AVENTOS HS also allows wall cabinets to be decorated with cornice or crown mouldings.



At the heart of this fittings solution is the lift mechanism with BLUMOTION and a durable spring package.



More information
on AVENTOS HL
can be found at
www.blum.com/aventoshl

AVENTOS HL

The perfect marriage of design and function: Wall cabinet fronts equipped with AVENTOS HL lift right up so that items are always within easy reach. The lift up system is also ideal for special installation situations such as integrating electrical appliances into tall cabinets.

BLUMOTION

by Blum

SERVO-DRIVE

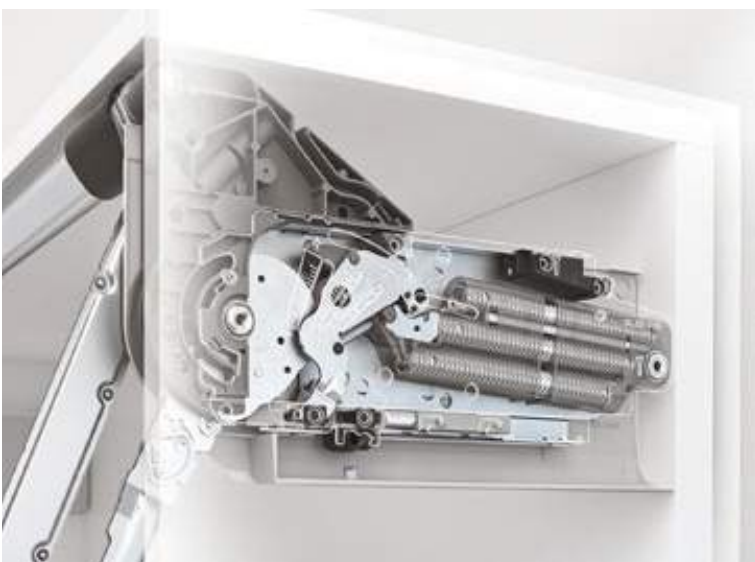
by Blum



Even large fronts can be opened and closed with ease with the SERVO-DRIVE electrical motion support system.



Simply beautiful
AVENTOS HL allows you to conceal electrical appliances behind continuous cabinet fronts.



At the heart of this fittings solution is the lift mechanism with BLUMOTION and a durable spring package.



More information
on AVENTOS HK top
can be found at
www.blum.com/aventoshktop

AVENTOS HK top

The convenient stay lift needs little space above the cabinet. AVENTOS HK top boasts a sleek design and has a host of integrated features which make assembly and installation quick, safe and error-free. Handle-less fronts can be opened using SERVO-DRIVE or TIP-ON technology.

BLUMOTION

by Blum

SERVO-DRIVE

by Blum

TIP-ON

by Blum



Lift mechanism with positioning system or pre-mounted system screws? Choose between two types of assembly. The drillings are the same regardless of application and cabinet height.



Colour signals assist you with the SERVO-DRIVE start-up.



The lift system has an integrated opening angle stop. The opening angle is infinitely variable and can be set exactly as required.



At the heart of this fittings solution is the lift mechanism with BLUMOTION and a durable spring package.



More information
on AVENTOS HK-S
can be found at
www.blum.com/aventoshks

AVENTOS HK-S

AVENTOS HK-S is the right choice for small lift systems in tall cabinets, e.g. above refrigerators. Thanks to its balanced and compact design, the fitting fits perfectly into small pieces of furniture. It allows you to make full use of the storage space available.

BLUMOTION

by Blum

TIP-ON

by Blum



Adjust the lift mechanism precisely to the front weight and the small stay lift will stay exactly where you want it to.



Handle-less fronts open with a single touch using TIP-ON for AVENTOS HK-S. To close, simply press shut.



At the heart of this fittings solution is the lift mechanism with BLUMOTION and a durable spring package.



More information
on AVENTOS HK-XS
can be found at
www.blum.com/aventoshkxs

AVENTOS HK-XS

AVENTOS HK-XS is the compact fitting for small stay lifts in tall units and wall cabinets. AVENTOS HK-XS provides enormous scope for design thanks to its slim construction. Cabinets close softly and effortlessly in combination with CLIP top BLUMOTION hinges.

BLUMOTION

by Blum

TIP-ON

by Blum



Be it thick wooden fronts, fronts with wide or narrow alu frames, the fixing positions remain the same. This makes it easy to use different materials and front thicknesses.
















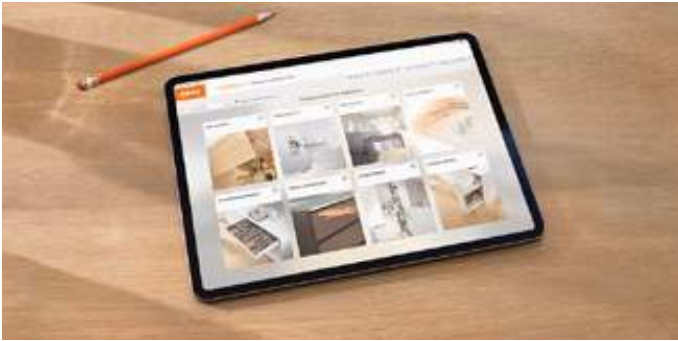
Thanks to the variable stop, fronts hold in any desired position and are always within easy reach for closing.



The lift mechanism with a durable spring package is the core element of the compact fitting. AVENTOS HK-XS excels in terms of high stability and long service life. Quality for the lifetime of the furniture.

The right lift system for any application

| | Motion | Typical applications | Front weight* | Possible fronts | Possible cabinet dimensions in mm |
|---------------|---|--|--|---|-------------------------------------|
| HF |  | Wall cabinet, high, bi-fold fronts |  | Wooden, wide/narrow alu frame fronts, wood-glass combinations, asymmetrical fronts, mitred and rebated applications | Height 480–1040 Width up to 1800 |
| HS |  | Wall cabinet (if space), large, one-part fronts, with cornice and crown mouldings |  | Thin fronts, wooden, wide/narrow alu frame fronts, mitred and rebated applications | Height 350–800 Width up to 1800 |
| HL |  | Wall cabinet, tall cabinet (if space) within reaching height, used to conceal appliances, cabinets can be positioned above |  | Thin fronts, wooden, wide/narrow alu frame fronts, mitred and rebated applications | Height 300–580 Width up to 1800 |
| HK top |  | Wall cabinet, tall cabinet, above fridge, larder unit, oven |  | Thin fronts, wooden, wide/narrow alu frame fronts, mitred and rebated applications | Height 205–600 Width up to 1800 |
| HK-S |  | Wall cabinet, tall cabinet, above fridge, larder unit, oven |  | Wooden, wide/narrow alu frame fronts | Height 180–600 Width up to 1800 |
| HK-XS |  | Wall cabinet, tall cabinet, above fridge, larder unit, oven, extractor, bath |   On both sides | Wooden, wide/narrow alu frame fronts | Height 240–600 Width up to 1800 |



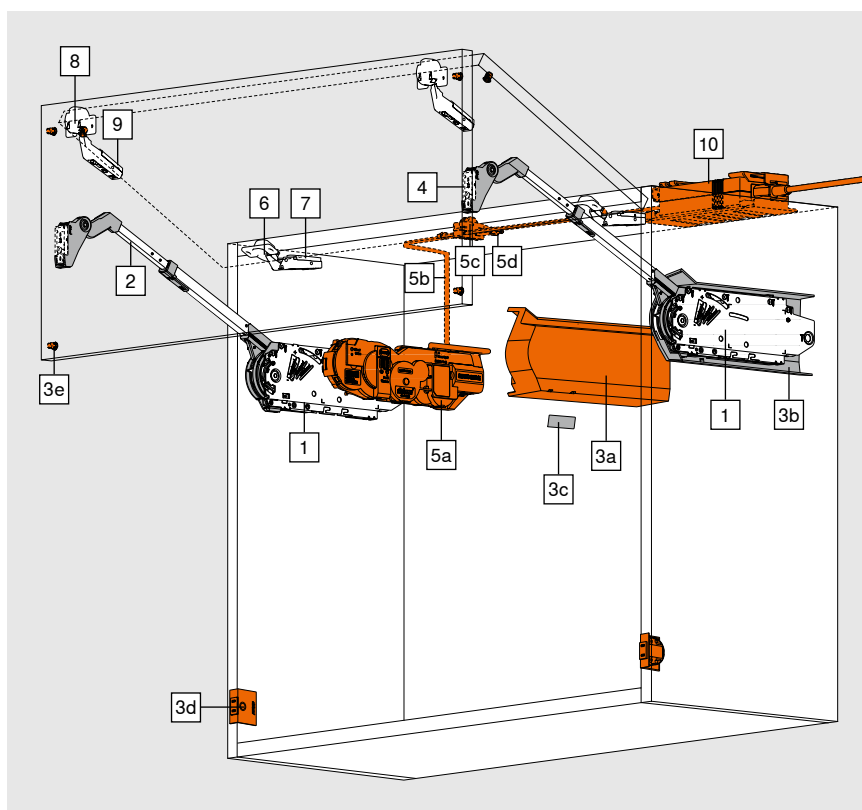
* You use the front weight and cabinet height to calculate the power factor of the lift mechanism. We would be happy to assist you with your product selection at www.blum.com/configurator



Mitred and rebated applications for AVENTOS HF, HS, HL, HK top www.blum.com/1H6LFu

| | Internal minimum depth in mm | Complete fitting or with hinges | Special installation or assembly | Available motion technology | Cover cap |
|--|--|---|---|--|--|
| | 278 | Hinges on cabinet top panel required + connection of fronts | CLIP assembly Cabinet top panel assembly 3 lift mechanism types (symmetrical) 4 telescopic arms (symmetrical) | <div>BLUMOTION</div> <div>by Blum</div> <div>SERVO-DRIVE</div> <div>by Blum</div> | <input type="radio"/> Silk white <input type="radio"/> Light grey <input checked="" type="radio"/> Dark grey |
| | 276 | No hinges required | CLIP assembly Cross stabilisation 9 lift mechanism types (symmetrical) 1 lever arm set | <div>BLUMOTION</div> <div>by Blum</div> <div>SERVO-DRIVE</div> <div>by Blum</div> | <input type="radio"/> Silk white <input type="radio"/> Light grey <input checked="" type="radio"/> Dark grey |
| | 278 | No hinges required | CLIP assembly Cross stabilisation 5 lift mechanism types (symmetrical) 4 lever arm sets | <div>BLUMOTION</div> <div>by Blum</div> <div>SERVO-DRIVE</div> <div>by Blum</div> | <input type="radio"/> Silk white <input type="radio"/> Light grey <input checked="" type="radio"/> Dark grey |
| | 187 | No hinges required | CLIP assembly 4 lift mechanism types (symmetrical) Lift mechanism adjustment from the front Integrated safety mechanism and opening angle stop | <div>BLUMOTION</div> <div>by Blum</div> <div>SERVO-DRIVE</div> <div>by Blum</div> <div>TIP-ON</div> <div>by Blum</div> | <input type="radio"/> Silk white <input type="radio"/> Light grey <input checked="" type="radio"/> Dark grey |
| | 163 | No hinges required | CLIP assembly 3 lift mechanism types (symmetrical) | <div>BLUMOTION</div> <div>by Blum</div> <div>TIP-ON</div> <div>by Blum</div> | <input type="radio"/> Silk white <input type="radio"/> Light grey <input checked="" type="radio"/> Dark grey |
| | 125 (Special solution with 100 mm possible) | Hinges on cabinet top panel required | CLIP assembly Cabinet top panel assembly 3 lift mechanism types (symmetrical) | <div>BLUMOTION</div> <div>by Blum</div> <div>TIP-ON</div> <div>by Blum</div> | |

Wooden fronts and wide alu frames symmetrical



- Ideal for high wall cabinets with two-part fronts
- Cabinet height 480–1040 mm
- Cabinet width up to 1800 mm
- Soft and effortless closing thanks to BLUMOTION
- Light operating forces
- Variable stop
- Tool-free assembly
- 3-dimensional adjustment of both fronts
- Simple, infinitely variable lift mechanism adjustment
- Centre hinge with finger safety feature

The larger front must be at the top for asymmetrical fronts.



Power factor (LF) = cabinet height (KH) [mm] x front weight bottom and top incl. handle [kg]

- ☐ Standard
☒ SERVO-DRIVE

We recommend the more powerful lift mechanism for applications in overlapping ranges.

Ordering information

| 1 <input type="checkbox"/> <input checked="" type="checkbox"/> | | Lift mechanism set | |
|--|-----|-----------------------------------|------------|
| | | Power factor LF | |
| | | 2600–5500 (1 pc LF 960-2650) | 20F2200.05 |
| | | 5350–10150 | 20F2500.05 |
| | | 9000–17250 (3 pcs LF 13500-25900) | 20F2800.05 |
| Consisting of: | | | |
| 1 | 2 x | Symmetrical lift mechanism | |
| - | 8 x | Chipboard screws Ø 4 x 35 mm | |



| 2 <input type="checkbox"/> <input checked="" type="checkbox"/> | | Telescopic arm set | |
|--|-----|---|------------|
| | | Cabinet height KH (mm)¹ | |
| | | 480–570 | 20F3200.01 |
| | | 560–710 | 20F3500.01 |
| | | 700–900 | 20F3800.01 |
| | | 760–1040 | 20F3900.01 |
| Consisting of: | | | |
| 2 | 2 x | Symmetrical telescopic arm | |
| ¹ For asymmetrical fronts, theoretical cabinet height TKH = front height top FHo (mm) x 2 + gaps | | | |



| 3 <input type="checkbox"/> <input type="checkbox"/> | | Cover cap set | | |
|---|-----|---|-----------------|---------|
| | | Colour | Material | |
| | | HGR, SW, TGR | Nylon | 20F8020 |
| Consisting of: | | | | |
| - | 1 x | Cover cap left | | |
| 3b | 1 x | Cover cap right | | |
| 3c | 2 x | Branding element, embossed with Blum logo | | |
| | | IN-G | | |

| 3 <input checked="" type="checkbox"/> <input type="checkbox"/> | | Cover cap set for SERVO-DRIVE | | |
|--|-----|---|-----------------|---------|
| | | Colour | Material | |
| | | HGR, SW, TGR | Nylon | 21F8020 |
| Consisting of: | | | | |
| 3a | 1 x | SERVO-DRIVE cover cap left | | |
| 3b | 1 x | Cover cap right | | |
| 3c | 2 x | Branding element, embossed with Blum logo | | |
| | | IN-G | | |
| 3d | 2 x | SERVO-DRIVE switch | | |
| 3e | 6 x | Blum distance bumper Ø 5 mm | | |

Wooden fronts and wide alu frames symmetrical

Ordering information

| | | | | |
|---|---|-----------------------------------|-----------|--|
| 4 |  | Mounting plate for telescopic arm | | |
|  | Fixing method | Spacing (mm) | | |
| | Screw-on ² | 0 | 175H3100 | |
| | EXPANDO | 0 | 177H3100E | |
| | Knock-in | 0 | 177H3100 | |
| All horizontal steel mounting plates with 0 mm spacing possible | | | | |



| | | | | |
|---|---|-----------------------------|----------|---------|
| 5 |  | SERVO-DRIVE set | | |
|  | | Colour | Material | |
| | | R7037 | Nylon | 21FA000 |
| | | | | |
| Consisting of: | | | | |
| 5a | 1 x | Drive unit | | |
| 5b | 1 x | Distribution cable, 1500 mm | | |
| 5c | 1 x | Connecting node | | |
| 5d | 2 x | Cable end protector | | |
| We recommend using two synchronised drive units for three lift mechanisms or more | | | | |



| | | | | |
|---|---|---------------------|------------|--|
| 6 |  | CLIP top 120° hinge | | |
|  | Boss | Spring | | |
| | INSERTA | Unsprung | 70T5590BTL | |
| | Screw-on ² | Unsprung | 70T5550.TL | |
| Boss overlay TO (fixed dimension) | | | 11 mm | |
| 3 hinges starting at cabinet width KB 1200 mm and/or 12 kg front weight | | | | |
| 4 hinges for cabinet width KB 1800 mm and/or starting at 20 kg front weight | | | | |



Alternative


| | | | | |
|---|---|--|------------|--|
| 6 |  | CLIP top 120° special hinge for larger front overlay | | |
|  | Boss | Spring | | |
| | INSERTA | Unsprung | 72T5590BTL | |
| | Screw-on ² | Unsprung | 72T5550.TL | |
| Boss overlay TO (fixed dimension) | | | 13 mm | |
| 3 hinges starting at cabinet width KB 1200 mm and/or 12 kg front weight | | | | |
| 4 hinges for cabinet width KB 1800 mm and/or starting at 20 kg front weight | | | | |

² Use 2 chipboard screws (609.1x00) per side for wooden fronts.
Use 2 counter sunk self tapping screws (660.0950) per side for wide alu frames.


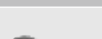
| | | | | |
|---|---|--|--------------|-----------|
| 7 |  | Mounting plate for CLIP top 120° hinge | | |
|  | Fixing method | | Spacing (mm) | |
| | Screw-on ² | | 0 | 175H3100 |
| | EXPANDO | | 0 | 177H3100E |
| | Knock-in | | 0 | 177H3100 |
| Standard mounting plates, spacing depends on the upper front overlay | | | | |

| | | | | |
|---|---|-----------------------|----------|--|
| 8 |  | CLIP top centre hinge | | |
|  | Boss | Spring | | |
| | EXPANDO | Unsprung | 78Z553ET | |
| | Screw-on ² | Unsprung | 78Z5500T | |
| 3 hinges starting at cabinet width KB 1200 mm and/or 12 kg front weight | | | | |
| 4 hinges for cabinet width KB 1800 mm and/or starting at 20 kg front weight | | | | |

| | | | | |
|---|---|--|-----------|--|
| 9 |  | Mounting plate for CLIP top centre hinge | | |
|  | Fixing method | Spacing (mm) | | |
| | Screw-on ² | 0 | 175H3100 | |
| | EXPANDO | 0 | 177H3100E | |
| | Knock-in | 0 | 177H3100 | |
| Standard mounting plates with 0 mm spacing | | | | |
| Only use cruciform mounting plates for wide alu frames under a 57 mm frame width | | | | |

| | | |
|----|---|---|
| 10 |  | Blum transformer and accessories |
| | | See page 70 |

Accessories

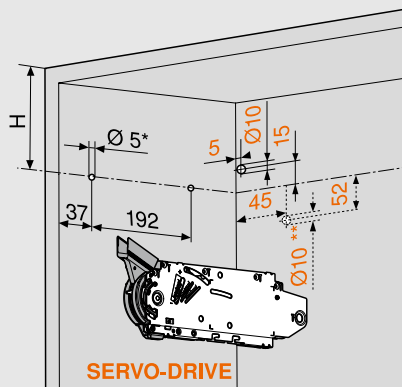
| | | | | |
|---|---|--------------------|---------|--|
| - |  | Opening angle stop | | |
|  | | | | |
| | Opening angle | Colour | | |
| | 104° | TGR | 20F7051 | |
| | 83° | R7037 | 20F7011 | |

| Colour | |
|--------|----------------------------------|
| HGR | Light grey |
| SW | Silk white |
| TGR | Dark grey |
| R7037 | RAL 7037 dust grey |
| IN-G | In-mould brushed stainless steel |

Wooden fronts and wide alu frames symmetrical

Planning

Drilling position



| Cabinet height KH (mm) | H (mm) |
|------------------------|---------------|
| 480–549 | KH x 0.3 - 28 |
| 550–1040 | KH x 0.3 - 57 |

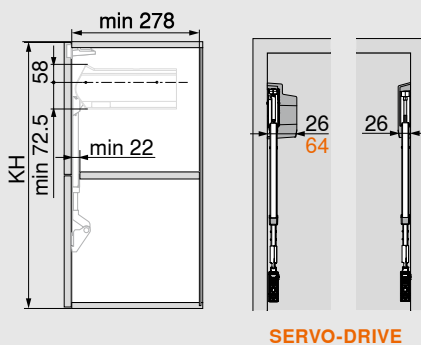
4 x chipboard screws Ø 4 x 35 mm

Drilling for SERVO-DRIVE distribution cable,
left only

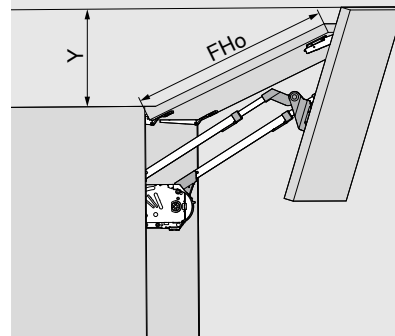
* Drilling depth 5 mm

****Alternative drilling**

Space requirement



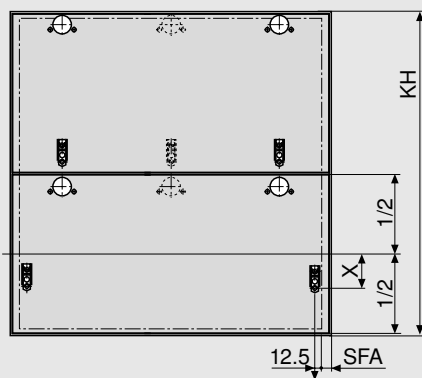
KH Cabinet height



| Opening angle stop | Y (mm) |
|----------------------|-----------------|
| Unsprung | FHo x 0.44 + 38 |
| 104° | FHo x 0.24 + 34 |
| 83° | 0 |
| FHo Front height top | |

FHo Front height top

Front assembly



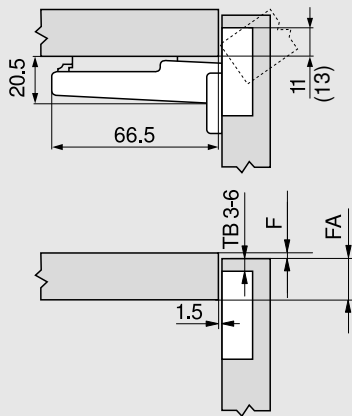
| Cabinet height KH (mm) | X (mm) | |
|------------------------|-------------|-----------|
| | 177H3100 | 175H5400 |
| | 177H3100E | 177H5400E |
| | 177H3100E10 | |
| | 177H5100 | |
| | 175H3100 | |
| | 175H4100 | |
| 480–549 | 70 | 68 |
| 550–1040 | 47 | 45 |

SFA Side front overlay

Wooden fronts and wide alu frames symmetrical

Planning

CLIP top 120° hinge



F Gap

() CLIP top 120° special hinge

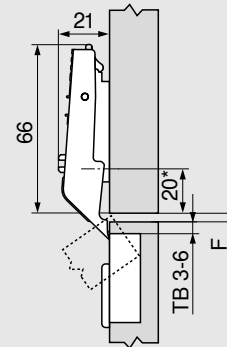
Drilling distance TB

| MD | Front overlay FA (mm) | | | | | | | | | | | | | | | | |
|----|-----------------------|---|---|---|---|----|----|----|----|----|----|----|----|--|--|--|--|
| | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | | | | |
| 0 | | | | | | | | | | 3 | 4 | 5 | 6 | | | | |
| 3 | | | | | | | 3 | 4 | 5 | 6 | | | | | | | |
| 6 | | | | 3 | 4 | 5 | 6 | | | | | | | | | | |
| 9 | 3 | 4 | 5 | 6 | | | | | | | | | | | | | |

MD Mounting plate spacing (mm)

The front overlay must always be 2 mm bigger for the CLIP top 120° special hinge.

CLIP top centre hinge



F Min. gap 1.5 mm

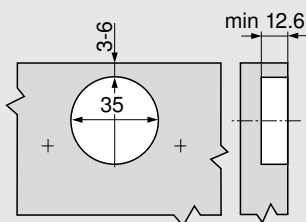
* 37 mm for cruciform mounting plates (37/32)

Drilling distance TB

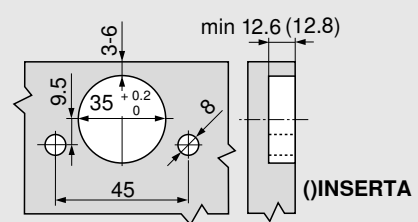
| MD | Horizontal gap F between fronts (mm) | | | | | | | | | | | | | | | | |
|----|--------------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|---|---|---|---|
| | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | 3 | 4 | 5 | 6 |
| 3 | | | | | | | | | | | | | | 6 | 5 | 4 | 3 |
| 6 | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | |

MD Mounting plate spacing (mm)

Screw-on assembly



INSERTA | EXPANDO assembly



Wooden fronts and wide alu frames asymmetrical

Planning

Drilling position

SERVO-DRIVE

| Theoretical cabinet height TKH (mm) | H (mm) |
|-------------------------------------|----------------|
| 480–549 | TKH x 0.3 - 28 |
| 550–1040 | TKH x 0.3 - 57 |

4 x chipboard screws Ø 4 x 35 mm

Drilling for SERVO-DRIVE distribution cable, left only

* Drilling depth 5 mm

**Alternative drilling

Space requirement

SERVO-DRIVE

TKH = FHo (mm) x 2 + gaps

TKH Theoretical cabinet height

FHo Front height top

FHu Front height bottom

| Opening angle stop | Y (mm) |
|--------------------|-----------------|
| Unsprung | FHo x 0.44 + 38 |
| 104° | FHo x 0.24 + 34 |
| 83° | 0 |

FHo Front height top

The larger front must be at the top for asymmetrical fronts.

Front assembly

| Theoretical cabinet height TKH (mm) | X (mm) |
|-------------------------------------|-----------|
| 177H3100 | 175H5400 |
| 177H3100E | 177H5400E |
| 177H3100E10 | |
| 177H5100 | |
| 175H3100 | |
| 175H4100 | |

480–549 FHo / 2 + 70 FHo / 2 + 68

550–1040 FHo / 2 + 47 FHo / 2 + 45

FHo Front height top

FHu Front height bottom

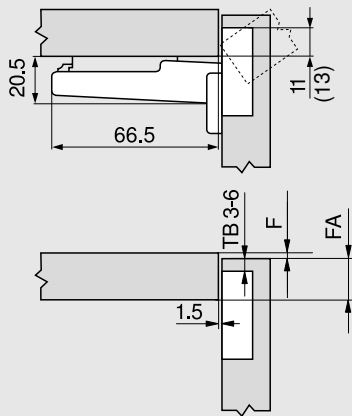
FAu Bottom front overlay

SFA Side front overlay

Wooden fronts and wide alu frames asymmetrical

Planning

CLIP top 120° hinge



F Gap

() CLIP top 120° special hinge

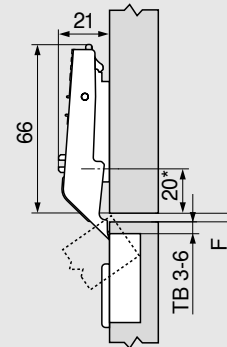
Drilling distance TB

| MD | Front overlay FA (mm) | | | | | | | | | | | | | | | | |
|----|-----------------------|---|---|---|---|----|----|----|----|----|----|----|----|--|--|--|--|
| | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | | | | |
| 0 | | | | | | | | | | 3 | 4 | 5 | 6 | | | | |
| 3 | | | | | | | 3 | 4 | 5 | 6 | | | | | | | |
| 6 | | | | 3 | 4 | 5 | 6 | | | | | | | | | | |
| 9 | 3 | 4 | 5 | 6 | | | | | | | | | | | | | |

MD Mounting plate spacing (mm)

The front overlay must always be 2 mm bigger for the CLIP top 120° special hinge.

CLIP top centre hinge



F Min. gap 1.5 mm

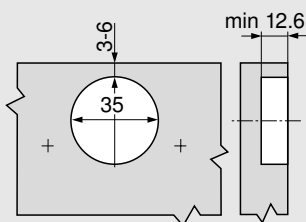
* 37 mm for cruciform mounting plates (37/32)

Drilling distance TB

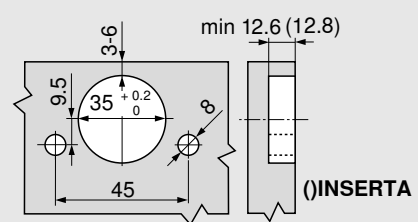
| MD | Horizontal gap F between fronts (mm) | | | | | | | | | | | | | | | | |
|----|--------------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|---|---|---|---|
| | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | 3 | 4 | 5 | 6 |
| 3 | | | | | | | | | | | | | | 6 | 5 | 4 | 3 |
| 6 | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | |

MD Mounting plate spacing (mm)

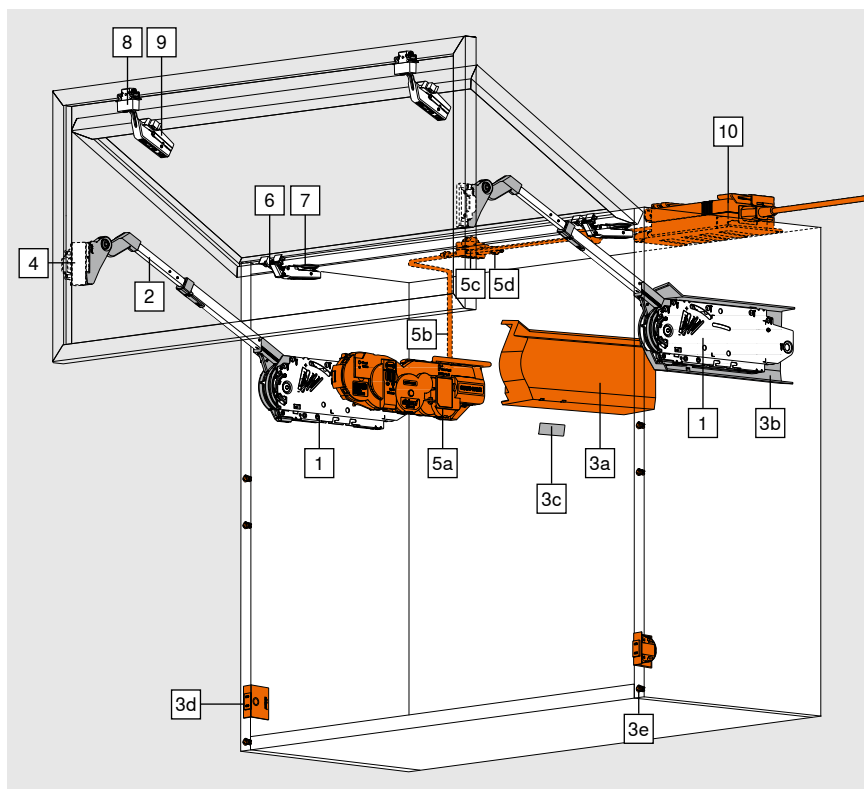
Screw-on assembly



INSERTA | EXPANDO assembly



Narrow alu frames



- Ideal for high wall cabinets with two-part fronts
- Cabinet height 480–1040 mm
- Cabinet width up to 1800 mm
- Soft and effortless closing thanks to BLUMOTION
- Light operating forces
- Variable stop
- Tool-free assembly
- 3-dimensional adjustment of both fronts
- Simple, infinitely variable lift mechanism adjustment
- Centre hinge with finger safety feature

The larger front must be at the top for asymmetrical fronts.



Power factor (LF) = cabinet height (KH) [mm] x front weight bottom and top incl. handle [kg]


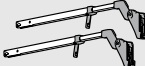
- ☐ Standard
☒ SERVO-DRIVE

We recommend the more powerful lift mechanism for applications in overlapping ranges.

Ordering information

| 1 <input type="checkbox"/> <input checked="" type="checkbox"/> | | Lift mechanism set | |
|--|-----|------------------------------|------------|
| | | Power factor LF | |
| | | 2600–5500 (1 pc LF 960-2650) | 20F2200.05 |
| | | 5350–10150 | 20F2500.05 |
| | | 9000–17250 | 20F2800.05 |
| Consisting of: | | | |
| 1 | 2 x | Symmetrical lift mechanism | |
| - | 8 x | Chipboard screws Ø 4 x 35 mm | |

| 3 <input type="checkbox"/> | | Cover cap set | | |
|----------------------------|-----|---|----------|---------|
| | | Colour | Material | |
| | | HGR, SW, TGR | Nylon | 20F8020 |
| Consisting of: | | | | |
| - | 1 x | Cover cap left | | |
| 3b | 1 x | Cover cap right | | |
| 3c | 2 x | Branding element, embossed with Blum logo | | |
| | | IN-G | | |



| | | | |
|---|---|-------------------------------------|------------|
| 2 |  | Telescopic arm set | |
|  | | Cabinet height KH (mm) ¹ | |
| | | 480–570 | 20F3200.01 |
| | | 560–710 | 20F3500.01 |
| | | 700–900 | 20F3800.01 |
| | | 760–1040 | 20F3900.01 |
| Consisting of: | | | |
| 2 | 2 x | Symmetrical telescopic arm | |

¹ For asymmetrical fronts, **theoretical cabinet height TKH** = front height top FHo (mm) x 2 + gaps



| 3 <input checked="" type="checkbox"/> | | Cover cap set for SERVO-DRIVE | | |
|---------------------------------------|-----|---|----------|---------|
| | | Colour | Material | |
| | | HGR, SW, TGR | Nylon | 21F8020 |
| Consisting of: | | | | |
| 3a | 1 x | SERVO-DRIVE cover cap left | | |
| 3b | 1 x | Cover cap right | | |
| 3c | 2 x | Branding element, embossed with Blum logo | | |
| | | IN-G | | |
| 3d | 2 x | SERVO-DRIVE switch | | |
| 3e | 6 x | Blum distance bumper Ø 5 mm | | |



Narrow alu frames



Ordering information



| 4 |  | CLIP adapter plate set for telescopic arms | | |
|---|---|--|---------------------|-----------------|
|  | Version | | Spacing (mm) | |
| | Left/right | | 0 | 175H5B00 |


| 5 |  | SERVO-DRIVE set | | |
|---|---|-----------------------------|--|----------------|
|  | Colour | Material | | |
| | R7037 | Nylon | | 21FA000 |
| | Consisting of: | | | |
| 5a | 1 x | Drive unit | | |
| 5b | 1 x | Distribution cable, 1500 mm | | |
| 5c | 1 x | Connecting node | | |
| 5d | 2 x | Cable end protector | | |

| | | | | |
|---|---|--|------------|--|
| 6 |  | CLIP top 120° aluminium frame door hinge | | |
|  | Boss | Spring | | |
| | Screw-on | Unsprung | 72T550A.TL | |
| 3 hinges starting at cabinet width KB 1200 mm and/or 12 kg front weight | | | | |
| 4 hinges for cabinet width KB 1800 mm and/or starting at 20 kg front weight | | | | |



| 7 |  | Mounting plate for CLIP top 120° hinge | | |
|---|---|--|--|------------------|
|  | Fixing method | Spacing (mm) | | |
| | Screw-on | 0 | | 175H3100 |
| | EXPANDO | 0 | | 177H3100E |
| | Knock-in | 0 | | 177H3100 |
| Standard mounting plates, spacing depends on the top gap | | | | |

| | | | | |
|---|---|---------------------------------|----------|--|
| 8 |  | CLIP top aluminium centre hinge | | |
|  | Boss | Spring | | |
| | Screw-on | Unsprung | 78Z550AT | |
| 3 hinges starting at cabinet width KB 1200 mm and/or 12 kg front weight | | | | |
| 4 hinges for cabinet width KB 1800 mm and/or starting at 20 kg front weight | | | | |

| 9 |  | CLIP adapter plate for centre hinges | | |
|---|---|--------------------------------------|--|-----------------|
|  | Version | Spacing (mm) | | |
| | Symmetrical | 0 | | 175H5A00 |

| | | |
|----|---|----------------------------------|
| 10 |  | Blum transformer and accessories |
| | | See page 70 |

Accessories

| - |  | Opening angle stop | | |
|---|---|--------------------|--|----------------|
|  | Opening angle | Colour | | |
| | 104° | TGR | | 20F7051 |
| | 83° | R7037 | | 20F7011 |

| Colour | |
|--------|----------------------------------|
| HGR | Light grey |
| SW | Silk white |
| TGR | Dark grey |
| R7037 | RAL 7037 dust grey |
| IN-G | In-mould brushed stainless steel |

Narrow alu frames symmetrical/asymmetrical

Planning

| Narrow alu frames symmetrical | | Space requirement | |
|--|---------------|---------------------------|-----------------|
| Drilling position | | Space requirement | |
| | | | |
| Cabinet height KH (mm) | H (mm) | | |
| 480–549 | KH x 0.3 - 28 | Opening angle stop | Y (mm) |
| 550–1040 | KH x 0.3 - 57 | Unsprung | FHo x 0.44 + 38 |
| 4 x chipboard screws Ø 4 x 35 mm | | 104° | FHo x 0.24 + 34 |
| Drilling for SERVO-DRIVE distribution cable, left only | | 83° | 0 |
| * Drilling depth 5 mm | | FHo Front height top | |
| **Alternative drilling | | | |
| | | KH Cabinet height | |

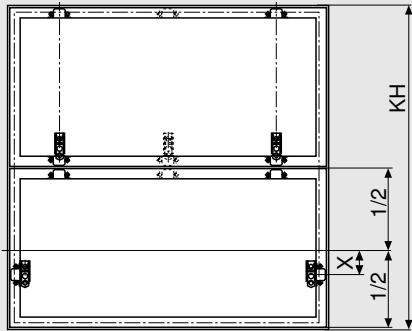
| Narrow alu frames asymmetrical | | Space requirement | |
|--|----------------|--|-----------------|
| Drilling position | | Space requirement | |
| | | | |
| Theoretical cabinet height TKH (mm) | H (mm) | | |
| 480–549 | TKH x 0.3 - 28 | Opening angle stop | Y (mm) |
| 550–1040 | TKH x 0.3 - 57 | Unsprung | FHo x 0.44 + 38 |
| 4 x chipboard screws Ø 4 x 35 mm | | 104° | FHo x 0.24 + 34 |
| Drilling for SERVO-DRIVE distribution cable, left only | | 83° | 0 |
| * Drilling depth 5 mm | | FHo Front height top | |
| **Alternative drilling | | The larger front must be at the top for asymmetrical fronts. | |
| | | TKH = FHo (mm) x 2 + gaps | |
| | | TKH Theoretical cabinet height | |
| | | FHo Front height top | |
| | | FHu Front height bottom | |

Narrow alu frames symmetrical/asymmetrical

Planning

Narrow alu frames symmetrical

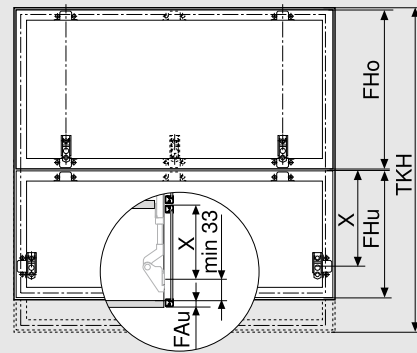
Front assembly



| Cabinet height KH (mm) | X (mm) |
|------------------------|--------|
| 480–549 | 54 |
| 550–1040 | 31 |

Narrow alu frames asymmetrical

Front assembly



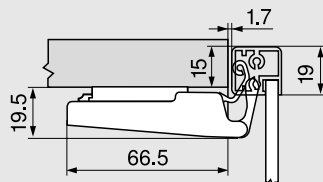
| Theoretical cabinet height TKH (mm) | X (mm) |
|-------------------------------------|----------------|
| 480–549 | $FHo / 2 + 54$ |
| 550–1040 | $FHo / 2 + 31$ |

FHo Front height top

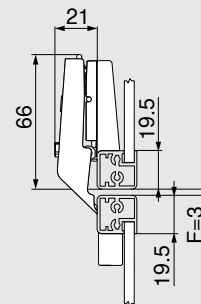
FHu Front height bottom

FAu Bottom front overlay

CLIP top 120° aluminium frame door hinge



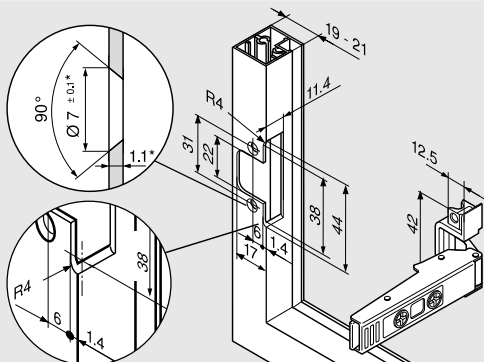
CLIP top aluminium centre hinge



F Min. gap 1.5 mm

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

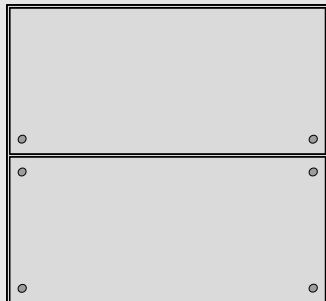
Screw-on assembly (hinge/adaptor plate)



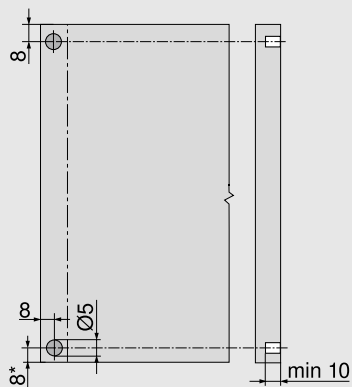
* When changing material thickness, adjust the assembly dimensions accordingly

Planning

Blum distance bumper (SERVO-DRIVE application only)



Insert Blum distance bumper (do not glue)



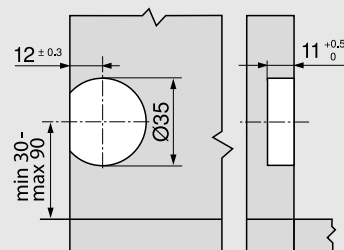
Recommendation for aluminium frames

Take into account the drilling for the Blum distance bumper in the cabinet side

A trial application must be carried out when fixing in the front

* From cabinet bottom edge for fronts that protrude below

SERVO-DRIVE switch



Assembly and adjustment

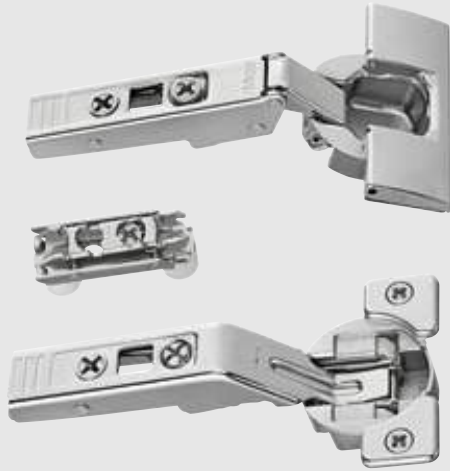


Information on
assembly and
adjustment

www.blum.com/aventos-hf-assembly

Accessories

Hinge set – wooden fronts



Ordering information

Fixing method

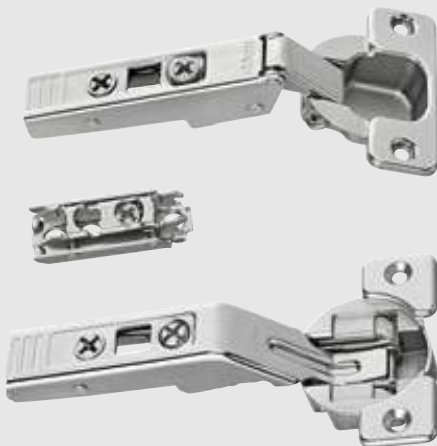
INSERTA | Knock-in | EXPANDO

☎ 78Z5530T11

Consisting of:

| | |
|-----|--|
| 2x | CLIP top 120° hinge unsprung 70T5590BTL |
| 2 x | CLIP top centre hinge unsprung 78Z5530T |
| 6 x | Horizontal cam mounting plate 177H3100 |

Hinge set – wooden fronts and wide alu frames



Ordering information

Fixing method

Screw-on¹

☎ 78Z5500T12

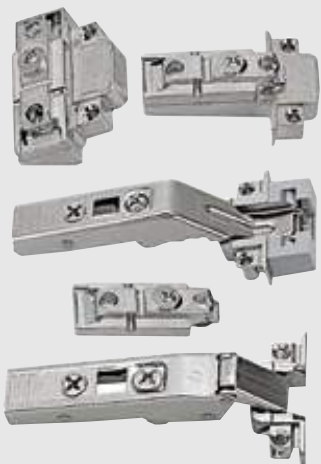
Consisting of:

| | |
|-----|--|
| 2x | CLIP top 120° hinge unsprung 70T5550.TL |
| 2 x | CLIP top centre hinge unsprung 78Z5500T |
| 6 x | Horizontal cam mounting plate 175H3100 |

¹ Use chipboard screws (609.1x00) for wooden fronts. Use counter sunk self tapping screws (660.0950) for wide alu frames.

For wide alu frames, an additional cruciform mounting plate is required for the CLIP top centre hinge

Hinge set – narrow alu frames



Ordering information

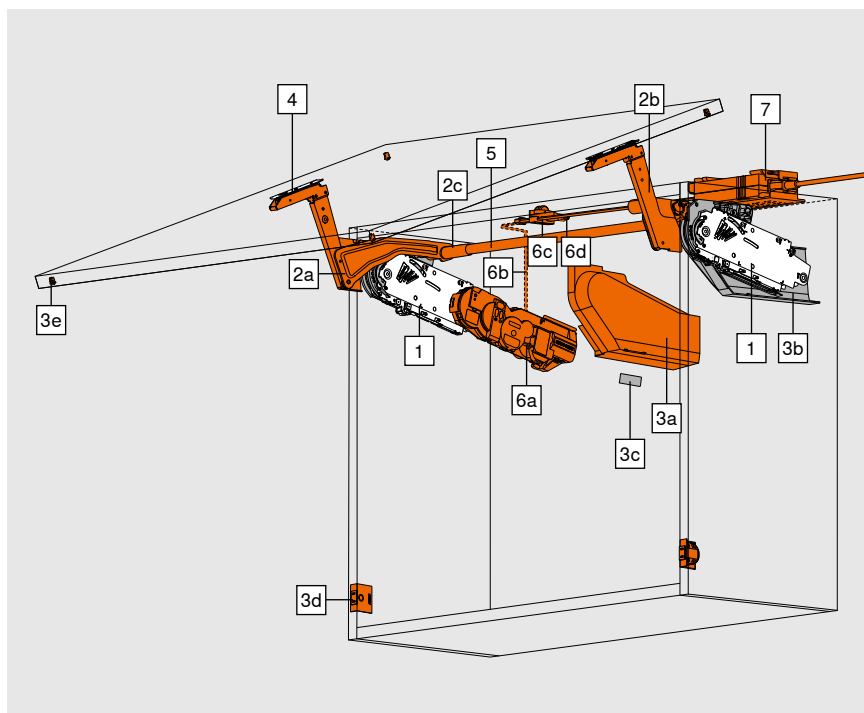
Fixing method

Screw-on

☎ 78Z550AT11

Consisting of:


| | |
|-----|---|
| 2x | CLIP top 120° aluminium frame door hinge unsprung 72T550A.TL |
| 2 x | CLIP top aluminium centre hinge unsprung 78Z550AT |
| 2 x | Horizontal cam mounting plate 175H5400 |
| 2 x | CLIP adapter plate symmetric 175H5A00 |
| 2 x | CLIP adapter plate left/right 175H5B00 |



- Ideal for large, one-part fronts
- Cabinet height 350–800 mm
- Cabinet width up to 1800 mm
- Soft and effortless closing thanks to BLUMOTION
- Light operating forces
- Balanced, top quality motion with a variable stop
- Tool-free assembly
- 3-dimensional front adjustment
- Simple, infinitely variable lift mechanism adjustment

☐ Standard
☒ SERVO-DRIVE

Ordering information

| 1 |  | Lift mechanism set | | | | | | | | | |
|----------------|---|------------------------------|------------|------------|-----------------------------------|------------|-------------|--|-----------------------------------|------------|-------------|
| KH (mm) | Cabinet height KH 350-525 mm | | | KH (mm) | Cabinet height KH 526-675 mm | | | KH (mm) | Cabinet height KH 676-800 mm | | |
| | 20S2A00.05 | 20S2B00.05 | 20S2C00.05 | | 20S2D00.05 | 20S2E00.05 | 20S2F00.05 | | 20S2G00.05 | 20S2H00.05 | 20S2I00.05 |
| | Weight of front incl. handle (kg) | | | | Weight of front incl. handle (kg) | | | | Weight of front incl. handle (kg) | | |
| 350 | 2.00–5.00 | 4.50–9.50 | 9.25–10.50 | 526 | 3.00–6.75 | 6.25–13.00 | 12.00–16.50 | 676 | 3.50–8.00 | 7.00–13.50 | 13.00–21.50 |
| 355 | 2.00–4.75 | 4.50–9.50 | 9.25–10.50 | 530 | 3.00–6.75 | 6.25–12.75 | 11.75–16.75 | 680 | 3.50–8.00 | 7.00–13.50 | 13.00–21.50 |
| 360 | 2.00–4.75 | 4.50–9.50 | 9.25–10.75 | 535 | 3.00–6.75 | 6.25–12.75 | 11.75–16.75 | 685 | 3.50–8.00 | 7.00–13.25 | 12.75–21.50 |
| 365 | 2.00–4.75 | 4.50–9.25 | 9.00–11.00 | 540 | 3.00–6.50 | 6.00–12.75 | 11.75–17.00 | 690 | 3.50–7.75 | 6.75–13.25 | 12.75–21.50 |
| 370 | 2.00–4.75 | 4.50–9.25 | 9.00–11.00 | 545 | 3.00–6.50 | 6.00–12.50 | 11.50–17.25 | 695 | 3.50–7.75 | 6.75–13.25 | 12.50–21.50 |
| 375 | 2.00–4.75 | 4.50–9.25 | 9.00–11.25 | 550 | 3.00–6.50 | 6.00–12.50 | 11.50–17.25 | 700 | 3.50–7.75 | 6.75–13.25 | 12.50–21.50 |
| 380 | 2.00–4.75 | 4.50–9.25 | 9.00–11.25 | 555 | 3.00–6.50 | 6.00–12.50 | 11.50–17.50 | 705 | 3.50–7.75 | 6.75–13.25 | 12.25–21.50 |
| 385 | 2.00–4.75 | 4.50–9.25 | 9.00–11.50 | 560 | 3.00–6.50 | 6.00–12.25 | 11.25–17.50 | 710 | 3.50–7.75 | 6.75–13.25 | 12.25–21.25 |
| 390 | 2.00–4.75 | 4.50–9.00 | 8.75–11.50 | 565 | 3.00–6.25 | 5.75–12.25 | 11.25–17.75 | 715 | 3.50–7.50 | 6.75–13.00 | 12.00–21.25 |
| 395 | 2.00–4.75 | 4.50–9.00 | 8.75–11.75 | 570 | 3.00–6.25 | 5.75–12.25 | 11.25–17.75 | 720 | 3.50–7.50 | 6.75–13.00 | 12.00–21.25 |
| 400 | 2.00–4.75 | 4.25–9.00 | 8.75–12.00 | 575 | 3.00–6.25 | 5.75–12.00 | 11.00–18.00 | 725 | 3.50–7.50 | 6.75–13.00 | 12.00–21.00 |
| 405 | 2.25–4.50 | 4.25–9.00 | 8.75–12.00 | 580 | 3.00–6.25 | 5.75–12.00 | 11.00–18.00 | 730 | 3.50–7.50 | 6.75–13.00 | 11.75–21.00 |
| 410 | 2.25–4.50 | 4.25–9.00 | 8.75–12.25 | 585 | 3.00–6.25 | 5.75–12.00 | 10.75–18.25 | 735 | 3.50–7.50 | 6.50–13.00 | 11.75–20.75 |
| 415 | 2.25–4.50 | 4.25–8.75 | 8.50–12.50 | 590 | 3.00–6.00 | 5.50–12.00 | 10.75–18.25 | 740 | 3.50–7.25 | 6.50–12.75 | 11.75–20.75 |
| 420 | 2.25–4.50 | 4.25–8.75 | 8.50–12.50 | 595 | 3.00–6.00 | 5.50–11.75 | 10.50–18.50 | 745 | 3.50–7.25 | 6.50–12.75 | 11.50–20.50 |
| 425 | 2.25–4.50 | 4.25–8.75 | 8.50–12.75 | 600 | 3.00–6.00 | 5.50–11.75 | 10.50–18.50 | 750 | 3.50–7.25 | 6.50–12.75 | 11.50–20.50 |
| 430 | 2.25–4.50 | 4.25–8.75 | 8.50–12.75 | 605 | 3.00–6.00 | 5.50–11.75 | 10.50–18.50 | 755 | 3.75–7.25 | 6.50–12.75 | 11.25–20.50 |
| 435 | 2.25–4.50 | 4.25–8.75 | 8.50–13.00 | 610 | 3.00–6.00 | 5.50–11.75 | 10.50–18.50 | 760 | 3.75–7.25 | 6.50–12.75 | 11.25–20.25 |
| 440 | 2.25–4.50 | 4.25–8.50 | 8.25–13.00 | 615 | 3.00–5.75 | 5.50–11.50 | 10.25–18.75 | 765 | 3.75–7.25 | 6.50–12.50 | 11.00–20.25 |
| 445 | 2.25–4.50 | 4.25–8.50 | 8.25–13.25 | 620 | 3.00–5.75 | 5.50–11.50 | 10.25–18.75 | 770 | 3.75–7.00 | 6.25–12.50 | 11.00–20.25 |
| 450 | 2.25–4.25 | 4.00–8.50 | 8.25–13.50 | 625 | 3.00–5.75 | 5.50–11.50 | 10.25–18.75 | 775 | 3.75–7.00 | 6.25–12.50 | 11.00–20.25 |
| 455 | 2.25–4.25 | 4.00–8.50 | 8.25–13.50 | 630 | 3.00–5.75 | 5.50–11.50 | 10.25–18.75 | 780 | 4.00–7.00 | 6.25–12.50 | 10.75–20.25 |
| 460 | 2.25–4.25 | 4.00–8.25 | 8.00–13.75 | 635 | 3.00–5.50 | 5.25–11.50 | 10.25–18.75 | 785 | 4.00–7.00 | 6.25–12.50 | 10.75–20.00 |
| 465 | 2.25–4.25 | 4.00–8.25 | 8.00–13.75 | 640 | 3.00–5.50 | 5.25–11.25 | 10.00–18.75 | 790 | 4.00–7.00 | 6.00–12.25 | 10.75–20.00 |
| 470 | 2.50–4.25 | 4.00–8.25 | 8.00–14.00 | 645 | 3.00–5.50 | 5.25–11.25 | 10.00–18.75 | 795 | 4.00–7.00 | 6.00–12.25 | 10.50–20.00 |
| 475 | 2.50–4.25 | 3.75–8.00 | 7.75–14.00 | 650 | 3.00–5.50 | 5.25–11.25 | 10.00–19.00 | 800 | 4.00–7.00 | 6.00–12.25 | 10.50–20.00 |
| 480 | 2.50–4.25 | 3.75–8.00 | 7.75–14.25 | 655 | 3.00–5.50 | 5.25–11.25 | 10.00–19.00 | Example Cabinet height KH = 600 mm Weight of front = 10 kg Lift mechanism selection = 20S2E00.05 Cabinet height KH = 602 mm → 600 mm Cabinet height KH = 603 mm → 605 mm | | | |
| 485 | 2.50–4.25 | 3.75–8.00 | 7.75–14.25 | 660 | 3.00–5.50 | 5.25–11.25 | 10.00–19.00 | | | | |
| 490 | 2.50–4.25 | 3.75–8.00 | 7.75–14.50 | 665 | 3.00–5.25 | 5.00–11.00 | 09.75–19.00 | | | | |
| 495 | 2.50–4.25 | 3.75–7.75 | 7.50–14.50 | 670 | 3.00–5.25 | 5.00–11.00 | 09.75–19.00 | | | | |
| 500 | 2.50–4.25 | 3.50–7.75 | 7.50–14.75 | 675 | 3.00–5.25 | 5.00–11.00 | 09.75–19.00 | | | | |
| 505 | 2.50–4.00 | 3.50–7.75 | 7.50–14.75 | | | | | We recommend the more powerful lift mechanism for applications in overlapping ranges. | | | |
| 510 | 2.50–4.00 | 3.50–7.75 | 7.50–14.75 | | | | | | | | |
| 515 | 2.50–4.00 | 3.50–7.50 | 7.25–14.75 | | | | | | | | |
| 520 | 2.50–4.00 | 3.50–7.50 | 7.25–15.00 | | | | | | | | |
| 525 | 2.50–4.00 | 3.25–7.50 | 7.25–15.00 | | | | | | | | |
| Consisting of: | | | | | | | | | | | |
| 1 | 2 x | Symmetrical lift mechanism | | | | | | | | | |
| - | 10 x | Chipboard screws Ø 4 x 35 mm | | | | | | | | | |


Ordering information

| | | | | |
|-----------------------|--|----------------------------|-----------------|------------|
| 2 |  | Lever arm set | | |
| | | Colour | Material | |
| | | Nickel plated | Steel | 20S3500.06 |
| Consisting of: | | | | |
| 2a | 1 x | Lever arm left | | |
| 2b | 1 x | Lever arm right | | |
| 2c | 2 x | Cross stabiliser cover cap | | |


| | | | | |
|-----------------------|--|--------------------------------------|-----------------|------------|
| 2 |  | Lever arm set for SERVO-DRIVE | | |
| | | Colour | Material | |
| | | Nickel plated | Steel | 21S3500.01 |
| Consisting of: | | | | |
| 2a | 1 x | SERVO-DRIVE lever arm left | | |
| 2b | 1 x | SERVO-DRIVE lever arm right | | |
| 2c | 2 x | Cross stabiliser cover cap | | |

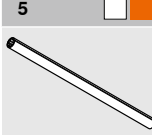
| | | | | |
|-----------------------|--|---|-----------------|---------|
| 3 |  | Cover cap set | | |
| | | Colour | Material | |
| | | HGR, SW, TGR | Nylon | 20S8020 |
| Consisting of: | | | | |
| - | 1 x | Cover cap left | | |
| 3b | 1 x | Cover cap right | | |
| 3c | 2 x | Branding element, embossed with Blum logo | | |
| | | IN-G | | |

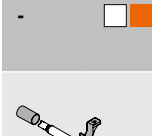
| | | | | |
|-----------------------|--|---|-----------------|---------|
| 3 |  | Cover cap set for SERVO-DRIVE | | |
| | | Colour | Material | |
| | | HGR, SW, TGR | Nylon | 21S8020 |
| Consisting of: | | | | |
| 3a | 1 x | SERVO-DRIVE cover cap left | | |
| 3b | 1 x | Cover cap right | | |
| 3c | 2 x | Branding element, embossed with Blum logo | | |
| | | IN-G | | |
| 3d | 2 x | SERVO-DRIVE switch | | |
| 3e | 4 x | Blum distance bumper Ø 5 mm | | |


| | | | | |
|---|--|--|--|----------|
| 3 |  | Front fixing bracket set | | |
| | | Version | | |
| | | Wooden fronts and wide alu frames ¹ | | 20S4200 |
| | | Narrow alu frames | | 20S4200A |

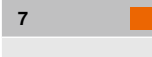
¹ Use 4 chipboard screws (609.1x00) per side for wooden fronts.
Use 4 counter sunk self tapping screws (660.0950) per side for wide alu frames.

| | | | | |
|--|---|-----------------------------|--|---------|
| - |  | Front fixing bracket | | |
| | | Version | | |
| | | Thin fronts | | 20S42T1 |
| EXPANDO T suitable for thin fronts – see page 68 | | | | |

| | | | | |
|---------------------|---|--|--------------------|-----------|
| 5 |  | Round cross stabiliser rod | | |
| | | Diameter (mm) | Length (mm) | |
| | | Ø 16 | 1061 | 20Q1061UN |
| For cutting to size | | | | |
| Cutting | | <input type="checkbox"/> Internal cabinet width LW - 129 mm | | |
| | | <input checked="" type="checkbox"/> Internal cabinet width LW - 164 mm | | |

| | | | | |
|-----------------------|---|--|-----------------|----------|
| - |  | Connecting piece set for cross stabiliser | | |
| | | From internal cabinet width LW 1190 mm | | |
| | | Diameter (mm) | Material | |
| | | Ø 16 | Aluminium | 20Q153ZN |
| Consisting of: | | | | |
| - | 1 x | Connecting piece | | |
| - | 1 x | Fixing | | |
| - | 2 x | Cross stabiliser cover cap | | |
| Cutting for 5 | | <input type="checkbox"/> Internal cabinet width LW / 2 - 147 mm | | |
| | | <input checked="" type="checkbox"/> Internal cabinet width LW / 2 - 165 mm | | |

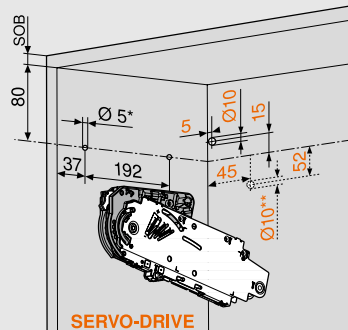
| | | | | |
|---|---|-----------------------------|----------|---------|
| 6 |  | SERVO-DRIVE set | | |
| | | Colour | Material | |
| | | R7037 | Nylon | 21FA000 |
| Consisting of: | | | | |
| 6a | 1 x | Drive unit | | |
| 6b | 1 x | Distribution cable, 1500 mm | | |
| 6c | 1 x | Connecting node | | |
| 6d | 2 x | Cable end protector | | |
| We recommend one SERVO-DRIVE drive unit per set for connected fronts. | | | | |

| | | | | |
|-------------|---|---|--|--|
| 7 |  | Blum transformer and accessories | | |
| See page 70 | | | | |

| | | | | |
|---------------|----------------------------------|--|--|--|
| Colour | | | | |
| HGR | Light grey | | | |
| SW | Silk white | | | |
| TGR | Dark grey | | | |
| R7037 | RAL 7037 dust grey | | | |
| IN-G | In-mould brushed stainless steel | | | |

Planning

Drilling position



5 x chipboard screws Ø 4 x 35 mm

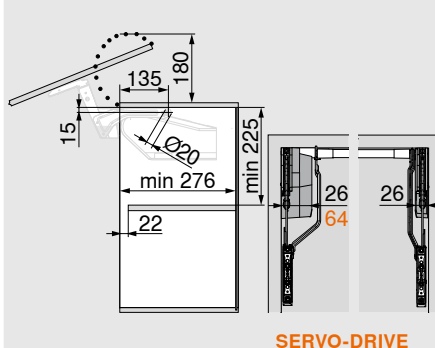
Drilling for SERVO-DRIVE distribution cable, left only

* Drilling depth 5 mm

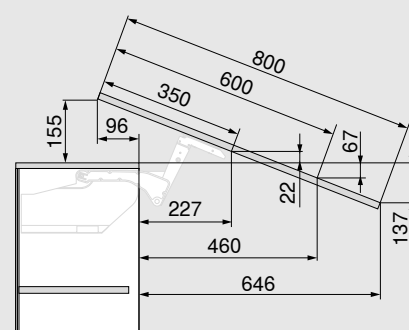
**Alternative drilling

SOB Top panel thickness

Space requirement



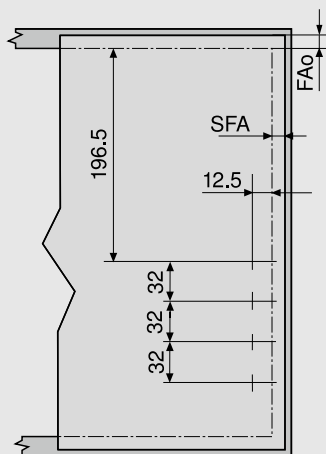
SERVO-DRIVE



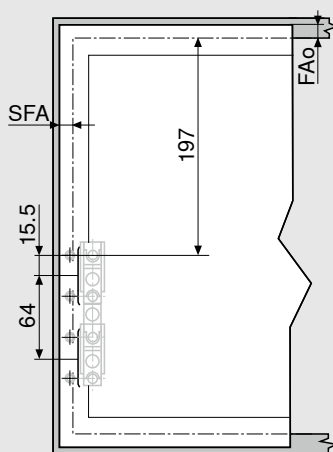
Dimensions depend on tilt adjustment

Front assembly

Wooden fronts and wide alu frames



Narrow alu frames

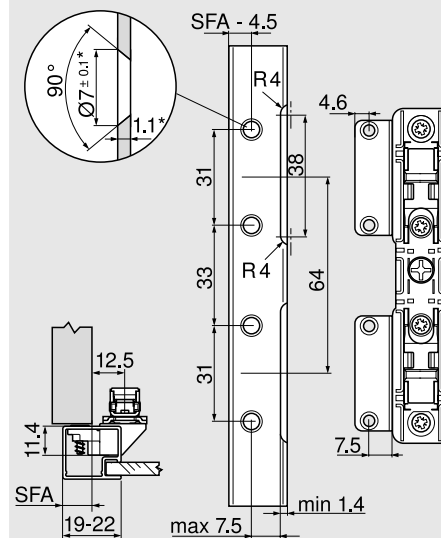


Application adjacent to wall: requires 5 mm minimum gap

FAo Upper front overlay

SFA Side front overlay

Narrow alu frames



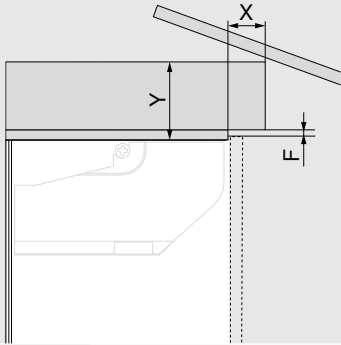
For frame width 19 mm, an SFA of 11-18 mm is possible.

* When changing material thickness, adjust the assembly dimensions accordingly

SFA Side front overlay

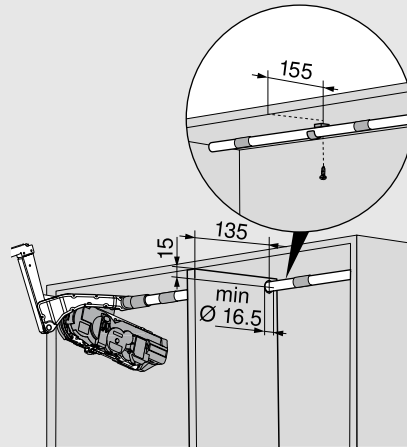
Planning

Space requirement – Cornice|Crown moulding

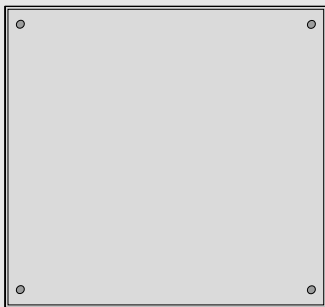


| | | | |
|--------------------|-----|-----|-----|
| F (mm) | 3.0 | 2.0 | 1.5 |
| X max. (mm) | 35 | 31 | 28 |
| Y max. (mm) | 101 | 101 | 101 |
| F Gap | | | |

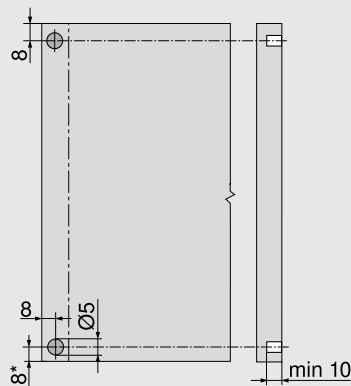
Connecting piece



Blum distance bumper (SERVO-DRIVE application only)



Insert Blum distance bumper (do not glue)



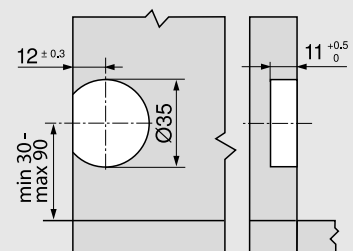
Recommendation for aluminium frames

Take into account the drilling for the Blum distance bumper in the cabinet side

A trial application must be carried out when fixing in the front

* From cabinet bottom edge for fronts that protrude below

SERVO-DRIVE switch

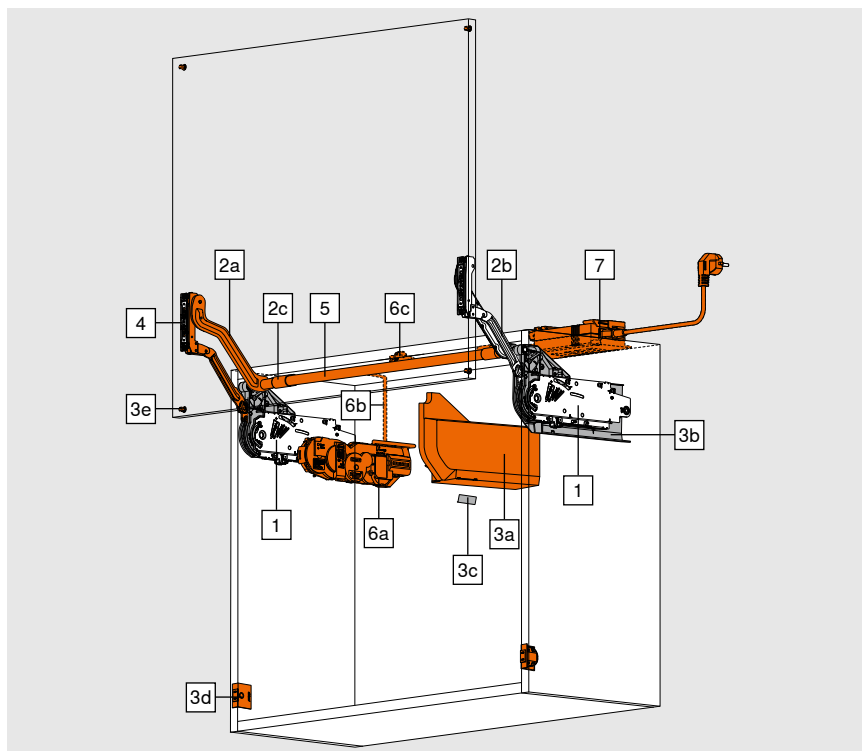


Assembly and adjustment



Information on
assembly and
adjustment


www.blum.com/aventos-hs-assembly



- Ideal for small, one-part fronts
- Cabinet height 300–580 mm
- Cabinet width up to 1800 mm
- Soft and effortless closing thanks to BLUMOTION
- Light operating forces
- Balanced, top quality motion with a variable stop
- Tool-free assembly
- 3-dimensional front adjustment
- Simple, infinitely variable lift mechanism adjustment

☐ Standard
☒ SERVO-DRIVE

Ordering information


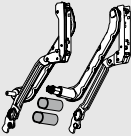
| | | | | | | |
|--|------------------------|-------------|-------------|------------|--|------------|
| <div>1</div> <div><div><div></div><div></div></div><div></div></div> | Lift mechanism set | | | | | |
| | Cabinet height KH (mm) | | | | | |
| | 300–349 | 350–399 | 400–550 | 450–580 | | |
| | Lever arm set | | | | | |
| <div><div></div></div> | 20L3200.06 | 20L3500.06 | 20L3800.06 | 20L3900.06 | | |
| <div><div></div></div> | 21L3200.01 | 21L3500.01 | 21L3800.01 | 21L3900.01 | | |
| Weight of front incl. handle (kg) | 1.25–4.25 | 1.25–2.50 | | | | 20L2100.05 |
| | 3.50–7.25 | 1.75–5.00 | 1.75–3.50 | | | 20L2300.05 |
| | 6.50–12.00 | 4.25–9.00 | 2.75–6.75 | 2.00–5.25 | | 20L2500.05 |
| | 11.00–20.00 | 8.00–14.75 | 5.75–11.75 | 4.25–9.25 | | 20L2700.05 |
| | | 13.50–20.00 | 10.50–20.00 | 8.25–16.50 | | 20L2900.05 |

We recommend the more powerful lift mechanism for applications in overlapping ranges.

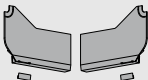
Consisting of:

| | | |
|---|------|------------------------------|
| 1 | 2 x | Symmetrical lift mechanism |
| - | 10 x | Chipboard screws Ø 4 x 35 mm |



| 2 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Lever arm set | |
|-----------------------|-------------------------------|-------------------------------------|---------------------------------|--|
| | Cabinet height KH (mm) | | | |
| | 300–349 | | 20L3200.06 | |
| | 350–399 | | 20L3500.06 | |
| | 400–550 | | 20L3800.06 | |
| | 450–580 | | 20L3900.06 | |
| Consisting of: | | | | |
| - | 1 x | | Lever arm left | |
| 2b | 1 x | | Lever arm right | |
| 2c | 2 x | | Oval cross stabiliser cover cap | |

| | | | |
|---|---|---------------------------------|------------|
| 2 |  | Lever arm set for SERVO-DRIVE | |
|  | Cabinet height KH (mm) | | |
| | 300–349 | | 21L3200.01 |
| | 350–399 | | 21L3500.01 |
| | 400–550 | | 21L3800.01 |
| | 450–580 | | 21L3900.01 |
| Consisting of: | | | |
| 2a | 1 x | SERVO-DRIVE lever arm left | |
| 2b | 1 x | Lever arm right | |
| 2c | 2 x | Oval cross stabiliser cover cap | |



Ordering information



| | | | | |
|---|---|---|-----------------|---------|
| 3 |  | Cover cap set | | |
|  | | Colour | Material | |
| | | HGR, SW, TGR | Nylon | 20L8020 |
| Consisting of: | | | | |
| - | 1 x | Cover cap left | | |
| 3b | 1 x | Cover cap right | | |
| 3c | 2 x | Branding element, embossed with Blum logo | | |
| | | IN-G | | |


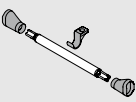
| | | | | |
|---|---|---|-----------------|---------|
| 3 |  | Cover cap set for SERVO-DRIVE | | |
|  | | Colour | Material | |
| | | HGR, SW, TGR | Nylon | 21L8020 |
| Consisting of: | | | | |
| 3a | 1 x | SERVO-DRIVE cover cap left | | |
| 3b | 1 x | Cover cap right | | |
| 3c | 2 x | Branding element, embossed with Blum logo | | |
| | | IN-G | | |
| 3d | 2 x | SERVO-DRIVE switch | | |
| 3e | 4 x | Blum distance bumper Ø 5 mm | | |

| | | | | |
|---|---|--|--|----------|
| 3 |  | Front fixing bracket set | | |
|  | | Version | | |
| | | Wooden fronts and wide alu frames ¹ | | 20S4200 |
| | | Narrow alu frames | | 20S4200A |

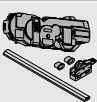
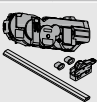
¹ Use 4 chipboard screws (609.1x00) per side for wooden fronts.
Use 4 counter sunk self tapping screws (660.0950) per side for wide alu frames.

| | | | | |
|---|---|-----------------------------|--|---------|
| - |  | Front fixing bracket | | |
|  | | Version | | |
| | | Thin fronts | | 20S42T1 |
| EXPANDO T suitable for thin fronts – see page 68 | | | | |

| | | | | |
|---|---|--|--------------------|-----------|
| 5 |  | Oval cross stabiliser rod | | |
|  | | Version | Length (mm) | |
| | | Oval | 1061 | 20Q1061UA |
| For cutting to size | | | | |
| Cutting | | <input type="checkbox"/> Internal cabinet width LW - 129 mm | | |
| | | <input checked="" type="checkbox"/> Internal cabinet width LW - 164 mm | | |


| | | | | |
|---|---|--|-----------------|----------|
| - |  | Connecting piece set for cross stabiliser | | |
|  | | From internal cabinet width LW 1190 mm | | |
| | | Diameter (mm) | Material | |
| | | Ø 16 | Aluminium | 20Q153ZA |

| | | | | |
|-----------------------|-----|--|--|--|
| Consisting of: | | | | |
| - | 1 x | Connecting piece | | |
| - | 1 x | Fixing | | |
| - | 2 x | Cross stabiliser cover cap | | |
| Cutting for 5 | | <input type="checkbox"/> Internal cabinet width LW / 2 - 147 mm | | |
| | | <input checked="" type="checkbox"/> Internal cabinet width LW / 2 - 165 mm | | |

| | | | | |
|---|---|------------------------|-----------------|---------|
| 6 |  | SERVO-DRIVE set | | |
|  | | Colour | Material | |
| | | R7037 | Nylon | 21FA000 |

| | | | | |
|-----------------------|-----|-----------------------------|--|--|
| Consisting of: | | | | |
| 6a | 1 x | Drive unit | | |
| 6b | 1 x | Distribution cable, 1500 mm | | |
| 6c | 1 x | Connecting node | | |
| - | 2 x | Cable end protector | | |

We recommend one SERVO-DRIVE drive unit per set for connected fronts.

| | | | | |
|---|---|---|--|--|
| 7 |  | Blum transformer and accessories | | |
| | | See page 70 | | |

| | | |
|---------------|----------------------------------|--|
| Colour | | |
| HGR | Light grey | |
| SW | Silk white | |
| TGR | Dark grey | |
| R7037 | RAL 7037 dust grey | |
| IN-G | In-mould brushed stainless steel | |

Planning

Drilling position

5 x chipboard screws Ø 4 x 35 mm

Drilling for SERVO-DRIVE distribution cable, left only

* Drilling depth 5 mm

**Alternative drilling

SOB Top panel thickness

Space requirement

Lever arm set

| Standard | SERVO-DRIVE | LH min. (mm) ¹ | Y (mm) ¹ | a (mm) | b (mm) ¹ | c max. (mm) |
|------------|-------------|---------------------------|---------------------|--------|---------------------|-------------|
| 20L3200.06 | 21L3200.01 | 262.0 | 264.0 | 114.0 | 257.0 | 159.0 |
| 20L3500.06 | 21L3500.01 | 312.0 | 352.0 | 146.0 | 345.0 | 209.0 |
| 20L3800.06 | 21L3800.01 | 362.0 | 440.0 | 178.0 | 433.0 | 259.0 |
| 20L3900.06 | 21L3900.01 | 412.0 | 529.0 | 210.0 | 522.0 | 309.5 |

¹ Dimensions based on bottom gap = 0 mm

KH Cabinet height

LH Internal cabinet height

Front assembly

Wooden fronts and wide alu frames

Narrow alu frames

Lever arm set

| Standard | SERVO-DRIVE | X (mm) |
|------------|-------------|--------|
| 20L3200.06 | 21L3200.01 | 153 |
| 20L3500.06 | 21L3500.01 | 203 |
| 20L3800.06 | 21L3800.01 | 253 |
| 20L3900.06 | 21L3900.01 | 303 |

Application adjacent to wall: requires 5 mm minimum gap

FAo Upper front overlay

SFA Side front overlay

Narrow alu frames

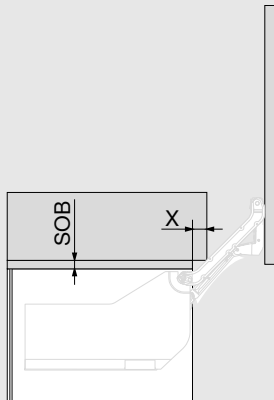
For frame width 19 mm, an SFA of 11–18 mm is possible.

* When changing material thickness, adjust the assembly dimensions accordingly

SFA Side front overlay

Planning

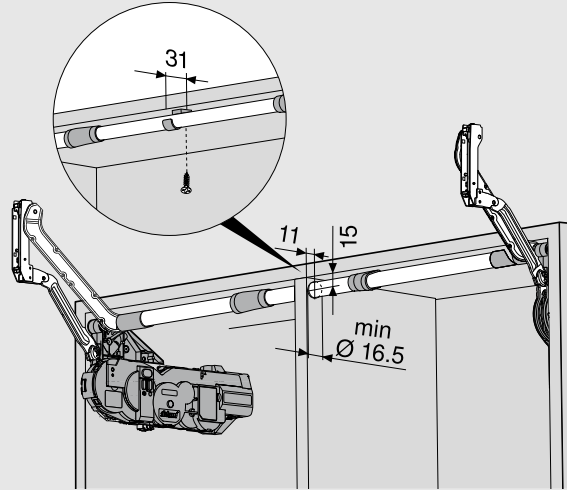
Space requirement – Cornice/Crown moulding



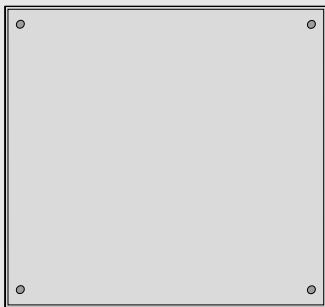
| | | | |
|----------|----|----|----|
| SOB (mm) | 16 | 18 | 19 |
| X (mm) | 28 | 30 | 31 |

SOB Top panel thickness

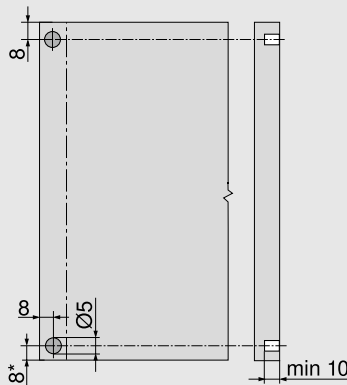
Connecting piece



Blum distance bumper (SERVO-DRIVE application only)



Insert Blum distance bumper (do not glue)



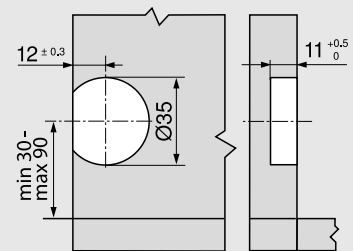
Recommendation for aluminium frames

Take into account the drilling for the Blum distance bumper in the cabinet side

A trial application must be carried out when fixing in the front

* From cabinet bottom edge for fronts that protrude below

SERVO-DRIVE switch

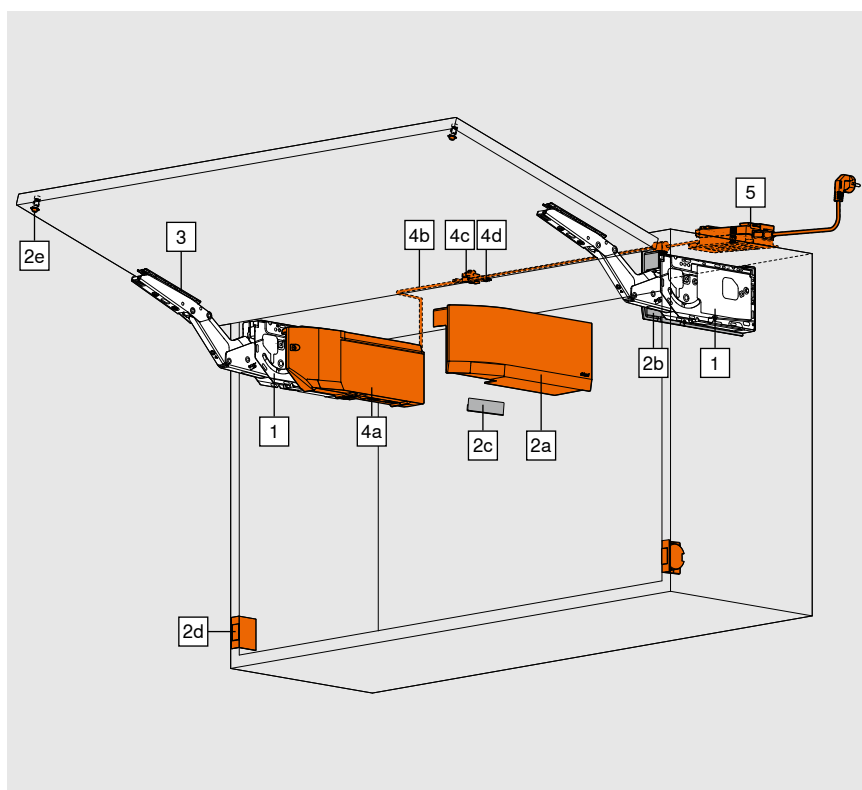


Assembly and adjustment



Information on
assembly and
adjustment

www.blum.com/aventos-hl-assembly



- Ideal for low cabinet heights in wall cabinets, in tall units and over the refrigerator
- Cabinet height 205–600 mm
- Cabinet width up to 1800 mm
- Soft and effortless closing thanks to BLUMOTION
- Light operating forces
- Balanced, top quality motion with a variable stop
- Tool-free assembly
- 3-dimensional front adjustment
- Simple, infinitely variable lift mechanism adjustment
- No hinges required
- Integrated safety mechanism
- Integrated infinitely variable opening angle stop



Power factor (LF) = cabinet height (KH) [mm] x front weight incl. double handle weight [kg]

☐ Standard

☒ SERVO-DRIVE

We recommend the more powerful lift mechanism for applications in overlapping ranges.

Ordering information

| 1 | <input type="checkbox"/> | Lift mechanism set |
|---------------------------------------|--------------------------|---|
| | | |
| Fixing with pre-mounted system screws | | |
| LF | OW | |
| 420–1610 | 107° | 22K2310 |
| 930–2800 | 107° | 22K2510 |
| 1730–5200 | 107° | 22K2710 |
| 3200–9000 | 107° | 22K2910 |
| Consisting of: | | |
| 1 | 2 x | Symmetrical lift mechanism with pre-mounted system screws |

| 1 | <input type="checkbox"/> | Lift mechanism set |
|--|--------------------------|------------------------------|
| | | |
| Fixing with chipboard screws with positioning system | | |
| LF | OW | |
| 420–1610 | 107° | 22K2300 |
| 930–2800 | 107° | 22K2500 |
| 1730–5200 | 107° | 22K2700 |
| 3200–9000 | 107° | 22K2900 |
| Consisting of: | | |
| 1 | 2 x | Symmetrical lift mechanism |
| - | - | Incl. positioning system |
| - | 8 x | Chipboard screws Ø 4 x 35 mm |

LF Power factor

OW Opening angle (infinitely variable adjustment)

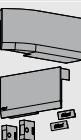
Note


Max. front weight 18 kg if using two lift mechanisms.

The power factor (LF) 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 front from sagging when open.


Ordering information

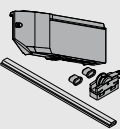
| | | | | |
|-----------------------|---|---|-----------------|---------|
| 2 |  | Cover cap set | | |
| | | Colour | Material | |
| | | HGR, SW, TGR | Nylon | 22K8000 |
| Consisting of: | | | | |
| - | 1 x | Cover cap left | | |
| 2b | 1 x | Cover cap right | | |
| 2c | 2 x | Branding element, embossed with Blum logo | | |
| | | IN-G | | |

| | | | | |
|-----------------------|---|---|-----------------|---------|
| 2 |  | Cover cap set for SERVO-DRIVE | | |
| | | Colour | Material | |
| | | HGR, SW, TGR | Nylon | 23K8000 |
| Consisting of: | | | | |
| 2a | 1 x | SERVO-DRIVE cover cap left | | |
| 2b | 1 x | Cover cap right | | |
| 2c | 2 x | Branding element, embossed with Blum logo | | |
| | | IN-G | | |
| 2d | 2 x | SERVO-DRIVE switch | | |
| 2e | 2 x | Blum distance bumper Ø 5 mm | | |


| | | | | |
|---|---|--|--|----------|
| 3 |  | Front fixing bracket set | | |
| | | Version | | |
| | | Wooden fronts and wide alu frames ¹ | | 20S4200 |
| | | Narrow alu frames | | 20S4200A |

¹ Use 4 chipboard screws (609.1x00) per side for wooden fronts.
Use 4 counter sunk self tapping screws (660.0950) per side for wide alu frames.

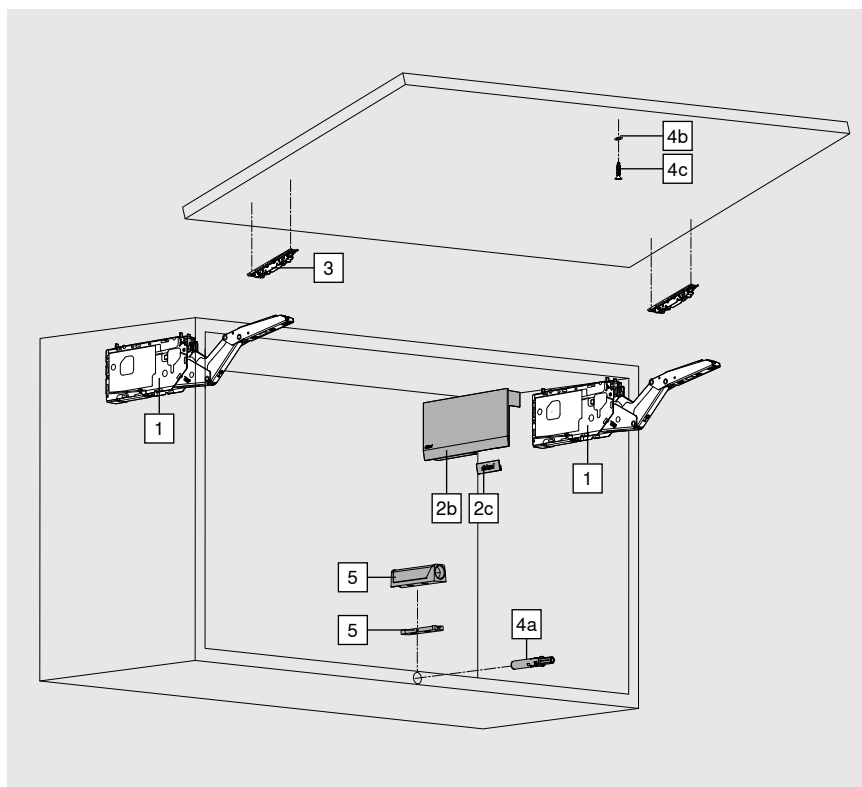
| | | | | |
|--|---|-----------------------------|--|---------|
| - |  | Front fixing bracket | | |
| | | Version | | |
| | | Thin fronts | | 20S42T1 |
| EXPANDO T suitable for thin fronts – see page 68 | | | | |

| | | | | |
|---|---|------------------------|-----------------|---------|
| 4 |  | SERVO-DRIVE set | | |
| | | Colour | Material | |
| | | R7037 | Nylon | 23KA000 |

| | | | | |
|---|-----|-----------------------------|--|--|
| Consisting of: | | | | |
| 4a | 1 x | Drive unit | | |
| 4b | 1 x | Distribution cable, 1500 mm | | |
| 4c | 1 x | Connecting node | | |
| 4d | 2 x | Cable end protector | | |
| We recommend using two synchronised drive units for three lift mechanisms or more | | | | |

| | | | | |
|---|---|---|--|--|
| 5 |  | Blum transformer and accessories | | |
| | | See page 70 | | |

| | | | | |
|---------------|----------------------------------|--|--|--|
| Colour | | | | |
| HGR | Light grey | | | |
| SW | Silk white | | | |
| TGR | Dark grey | | | |
| R7037 | RAL 7037 dust grey | | | |
| IN-G | In-mould brushed stainless steel | | | |



- TIP-ON for handle-less stay lifts
- Cabinet height 205-600 mm
- Cabinet width up to 1800 mm
- For drilling or in combination with adapter plates


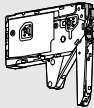
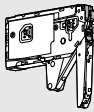



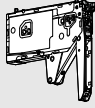
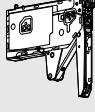
Power factor (LF) = cabinet height (KH) [mm] x front weight incl. double handle weight [kg]

■ TIP-ON

We recommend the more powerful lift mechanism for applications in overlapping ranges.

Ordering information

| 1  Lift mechanism set for TIP-ON | | | | |
|--|------|---|------|----------|
|   | | Fixing with pre-mounted system screws | | |
| | | LF | OW | |
| | | 420–1610 | 107° | 22K2310T |
| | | 930–2800 | 107° | 22K2510T |
| | | 1730–5200 | 100° | 22K2710T |
| 3200–9000 | 100° | 22K2910T | | |
| Consisting of: | | | | |
| 1 | 2 x | Symmetrical lift mechanism with pre-mounted system screws | | |

| 1  Lift mechanism set for TIP-ON | | | | |
|--|------|--|------|----------|
|   | | Fixing with chipboard screws with positioning system | | |
| | | LF | OW | |
| | | 420–1610 | 107° | 22K2300T |
| | | 930–2800 | 107° | 22K2500T |
| | | 1730–5200 | 100° | 22K2700T |
| 3200–9000 | 100° | 22K2900T | | |
| Consisting of: | | | | |
| 1 | 2 x | Symmetrical lift mechanism | | |
| - | - | Incl. positioning system | | |
| - | 8 x | Chipboard screws Ø 4 x 35 mm | | |

LF Power factor

OW Opening angle (infinitely variable adjustment)


Note

Max. front weight 18 kg if using two lift mechanisms.


The power factor (LF) 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 front from sagging when open.


Ordering information

| 2 | | Cover cap set |
|---|--------------|---|
|  | Colour | Material |
| | HGR, SW, TGR | Nylon |
| 22K8000 | | |
| Consisting of: | | |
| - | 1 x | Cover cap left |
| 2b | 1 x | Cover cap right |
| 2c | 2 x | Branding element, embossed with Blum logo |
| | | IN-G |

| 3 | | Front fixing bracket set |
|---|-----------------------------------|--------------------------|
|  | Version | |
| | Wooden fronts and wide alu frames | ¹ 20S4200 |
| | Narrow alu frames | 20S4200A |

¹ Use 4 chipboard screws (609.1x00) per side for wooden fronts.
Use 4 counter sunk self tapping screws (660.0950) per side for wide alu frames.

| - | | Front fixing bracket |
|---|-------------|----------------------|
|  | Version | |
| | Thin fronts | 20S42T1 |
| EXPANDO T suitable for thin fronts – see page 68 | | |

| 4 | | TIP-ON set |
|---|---------------|--------------------------|
|  | Version | Cabinet height KH (mm) |
| | Short version | Up to 600 |
| | Colour | |
| | | SW, TS, R7036 |
| Consisting of: | | |
| 4a | 1 x | TIP-ON |
| 4b | 1 x | Screw-on catch plate |
| 4c | 1 x | Chipboard screw 609.1500 |
| - | 1 x | Glue-on catch plate |

Accessories

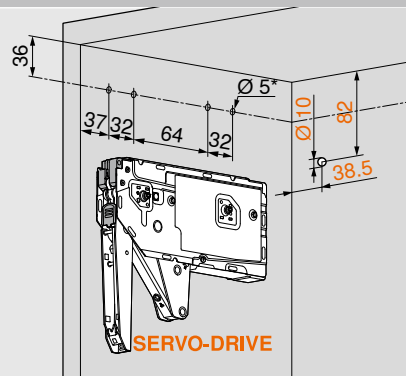
| 5 | | Adapter plate |
|--|--|------------------------|
|  | Version | Colour |
| | Straight adapter plate Short version | SW, TS, R7036, NI-L |
| | Cruciform adapter plate Long version | R7036 |

| Colour | |
|--------|----------------------------------|
| HGR | Light grey |
| SW | Silk white |
| TGR | Dark grey |
| TS | Terra black |
| R7036 | RAL 7036 platinum grey |
| NI-L | Nickel-lacquered |
| IN-G | In-mould brushed stainless steel |

Planning

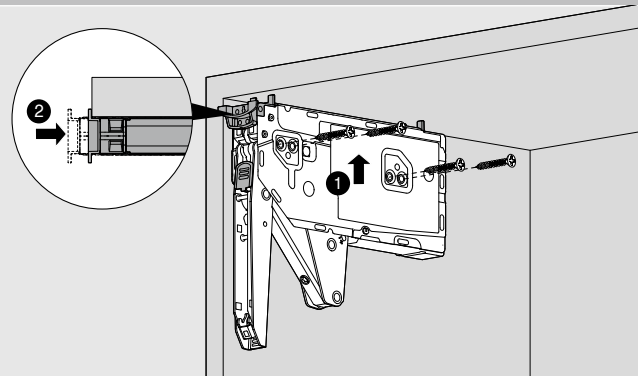
Drilling position

System screws



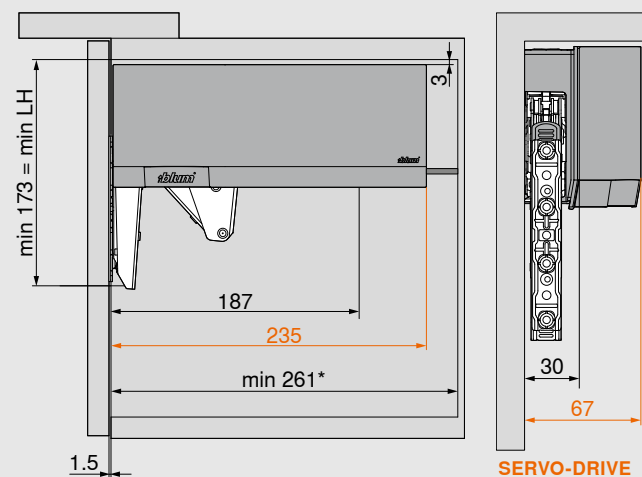
* Drilling depth 11.5 mm

Chipboard screws



4 x chipboard screws Ø 4 x 35 mm

Space requirement



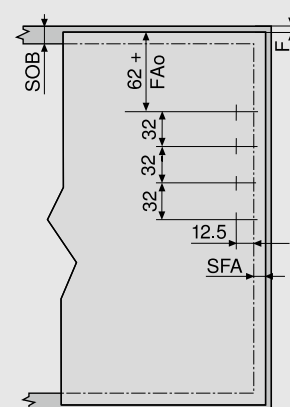
* Min. 261 mm with visible wall hanging bracket

Note: Cabinet height max. 600 mm

LH Internal cabinet height

Front assembly

Wooden fronts and wide alu frames



FAo Max. 25.4 mm

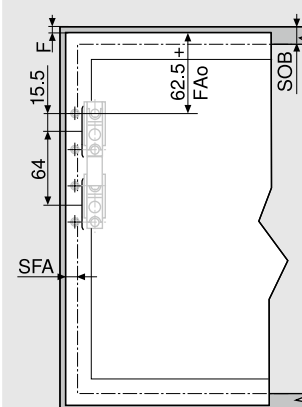
FAo Upper front overlay

SOB Top panel thickness

SFA Side front overlay

F Gap

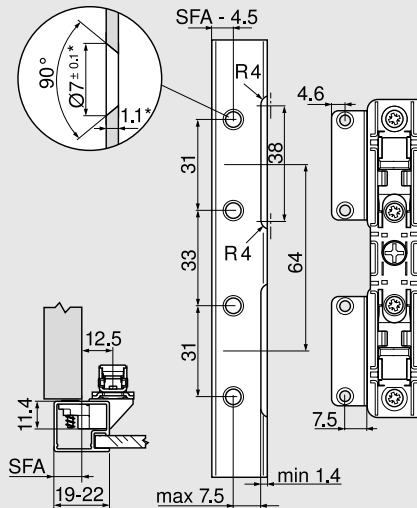
Narrow alu frames



Further planning information for TIP-ON – see page 66

Planning

Narrow alu frames

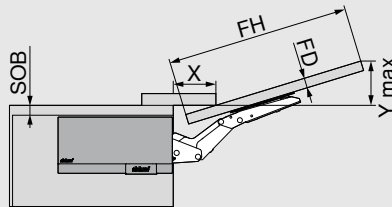


For frame width 19 mm, an SFA of 11-18 mm is possible.

* When changing material thickness, adjust the assembly dimensions accordingly

SFA Side front overlay

Space requirement – Cornice/Crown moulding



Space requirement (mm)

At max. opening angle

$$Y = FH \times 0.29 + FD - SOB$$

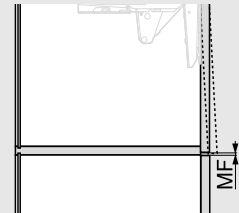
| FD (mm) | 16 | 19 | 22 | 26 | 28 |
|---------|----|----|----|----|----|
| X (mm) | 68 | 57 | 47 | 33 | 27 |

SOB Top panel thickness

FD Front thickness

FH Front height

Minimum gap

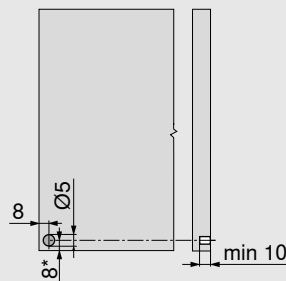


Minimum gap MF is 2 mm

Blum distance bumper (SERVO-DRIVE application only)



Insert Blum distance bumper (do not glue)
Do not use bumpers in the upper third



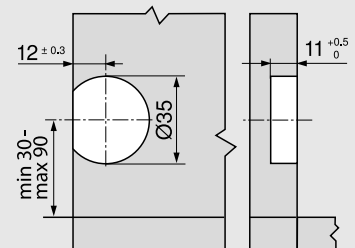
Recommendation for aluminium frames

Take into account the drilling for the Blum distance bumper in the cabinet side

A trial application must be carried out when fixing in the front

* From cabinet bottom edge for fronts that protrude below

SERVO-DRIVE switch

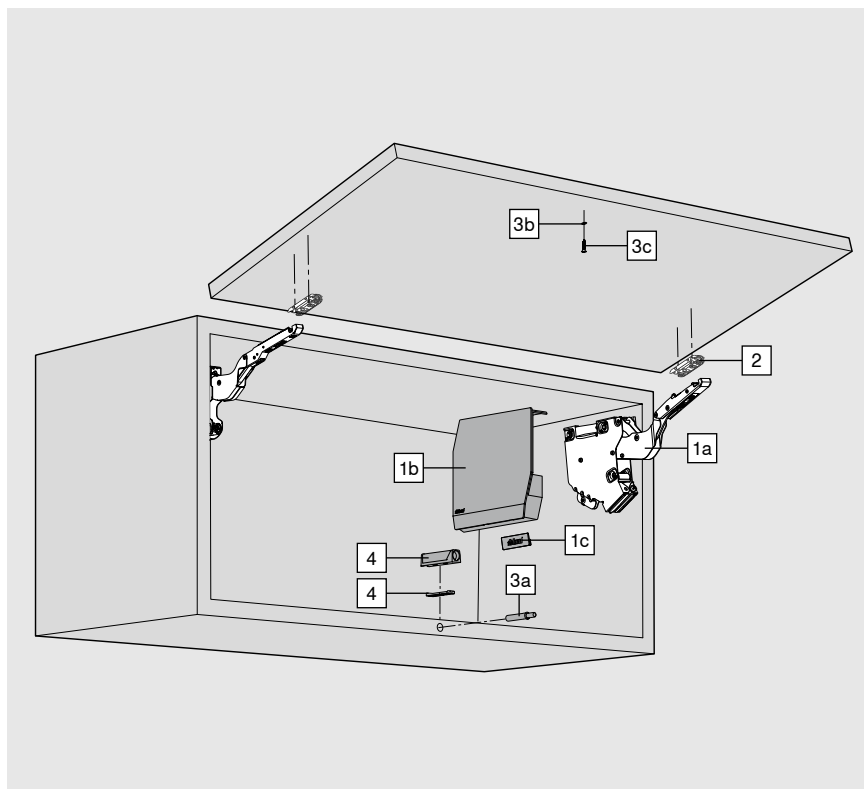


Assembly and adjustment



Information on
assembly and
adjustment

www.blum.com/hktopassembly



- Ideal for low cabinet heights in wall cabinets, in tall units and over the refrigerator
- Cabinet height max. 600 mm
- Soft and effortless closing thanks to BLUMOTION
- Light operating forces
- Balanced, top quality motion with a variable stop
- Tool-free assembly
- 3-dimensional front adjustment
- Simple, infinitely variable lift mechanism adjustment
- No hinges required
- TIP-ON for handle-less stay lifts


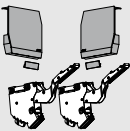
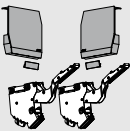


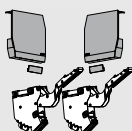
Power factor (LF) = cabinet height (KH) [mm] x front weight incl. double handle weight [kg]

- ☐ Standard
- ☒ TIP-ON

We recommend the more powerful lift mechanism for applications in overlapping ranges.

Ordering information

| | | | | |
|---|---|---|------|-------------------------|
| 1 |  | Lift mechanism set | | |
|  |  | LF | OW | |
| | | 220–500 | 107° | ¹ 20K2B00.06 |
| | | 400–1000 | 107° | 20K2C00.06 |
| | | 960–2215 | 107° | 20K2E00.06 |
| Consisting of: | | | | |
| 1a | 2 x | Symmetrical lift mechanism | | |
| 1b | 2 x | Cover caps left/right | | |
| | | HGR, SW, TGR | | |
| 1c | 2 x | Branding element, embossed with Blum logo | | |
| | | IN-G | | |
| - | 6 x | Chipboard screw Ø 4 x 35 mm | | |

| 1 | | Lift mechanism set for TIP-ON | | |
|---|----------|---|-------------------------|--|
|  | LF | OW | | |
| | 220–500 | 107° | ¹ 20K2B00T06 | |
| | 400–1000 | 107° | 20K2C00T06 | |
| | 960–2215 | 107° | 20K2E00T06 | |
| Consisting of: | | | | |
| 1a | 2 x | Symmetrical lift mechanism | | |
| 1b | 2 x | Cover caps left/right | | |
| | | HGR, SW, TGR | | |
| 1c | 2 x | Branding element, embossed with Blum logo | | |
| | | IN-G | | |
| - | 6 x | Chipboard screw Ø 4 x 35 mm | | |

LF Power factor




OW Opening angle (infinitely variable adjustment)



Note



The power factor (LF) can be increased by 50% if you use a third lift mechanism.

¹ One lift mechanism is unsprung

Ordering information


| | | | | |
|--|---|----------------------|--------------|--|
| 2 |   | Front fixing bracket | | |
|  | Fixing method | | Spacing (mm) | |
| | Screw-on ² | | 0 | |
| | EXPANDO | | 0 | |
| | Knock-in | | 0 | |
| Wooden fronts and wide alu frames | | | 2 x | |
| All horizontal steel mounting plates with 0 mm spacing possible | | | | |
| ² Use 2 chipboard screws (609.1x00) for wooden fronts. Use 2 countersunk self tapping screws (660.0950) for wide alu frames. | | | | |

| - |  | Front fixing bracket set | |
|---|---|--------------------------|------------|
|  | Version | | |
| | Narrow alu frames | | 20K4A00A02 |
| | | | |

| 3 |  | TIP-ON set | | |
|---|---|--------------------------|--|----------|
|  | Version | Cabinet height KH (mm) | | |
| | Short version | Up to 600 | | 956.1004 |
| | Colour | | | |
| | SW, TS, R7036 | | | |
| Consisting of: | | | | |
| 3a | 1 x | TIP-ON | | |
| 3b | 1 x | Screw-on catch plate | | |
| 3c | 1 x | Chipboard screw 609.1500 | | |
| - | 1 x | Glue-on catch plate | | |

Accessories

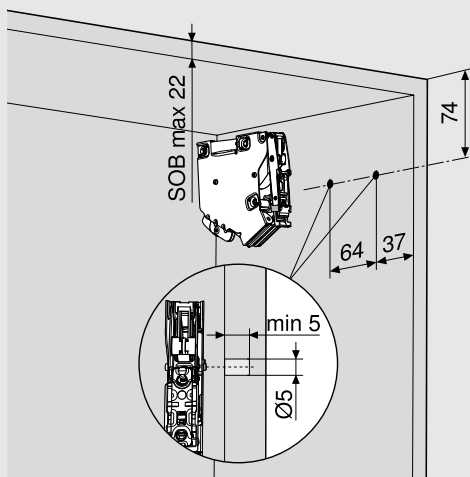
| - |  | Opening angle stop | | |
|---|---|--------------------|--|---------|
|  | Opening angle | Colour | | |
| | 100° | TGR | | 20K7A41 |
| | 75° | R7037 | | 20K7A11 |

| 4 |  | Adapter plate | | |
|---|---|------------------------|--|----------|
|  | Version | Colour | | |
| | Straight adapter plate Short version | SW, TS, R7036, NI-L | | 956.1201 |
| | Cruciform adapter plate Long version | R7036 | | 956A1501 |
| | | | | |

| Colour | | |
|--------|----------------------------------|--|
| HGR | Light grey | |
| SW | Silk white | |
| TGR | Dark grey | |
| TS | Terra black | |
| R7036 | RAL 7036 platinum grey | |
| R7037 | RAL 7037 dust grey | |
| NI-L | Nickel-lacquered | |
| IN-G | In-mould brushed stainless steel | |

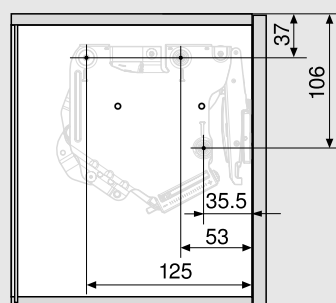
Planning

Peg position



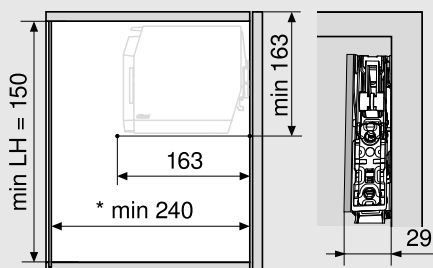
SOB Top panel thickness

Fixing position



3 x chipboard screws Ø 4 x 35 mm

Space requirement



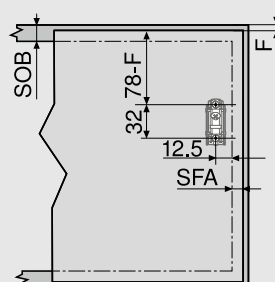
* Min. 240 mm with visible wall hanging bracket

Note: Cabinet height max. 600 mm

LH Internal cabinet height

Front assembly

Wooden fronts and wide alu frames

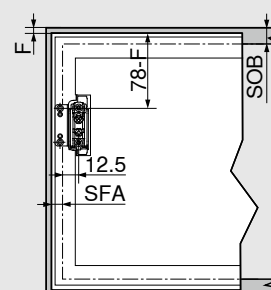


SOB Top panel thickness

SFA Side front overlay

F Gap

Narrow alu frames



Further planning information for TIP-ON – see page 66

Planning

Narrow alu frames

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

* When changing material thickness, adjust the assembly dimensions accordingly

SFA Side front overlay

Space requirement – Cornice|Crown moulding

| Opening angle stop | | | Space requirement (mm) | | |
|--------------------|----|----|--------------------------------|----|---|
| 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 (mm) | 16 | 19 | 22 | 26 | - |
| X (mm) | 70 | 59 | 49 | 35 | - |

FD Front thickness

FH Front height

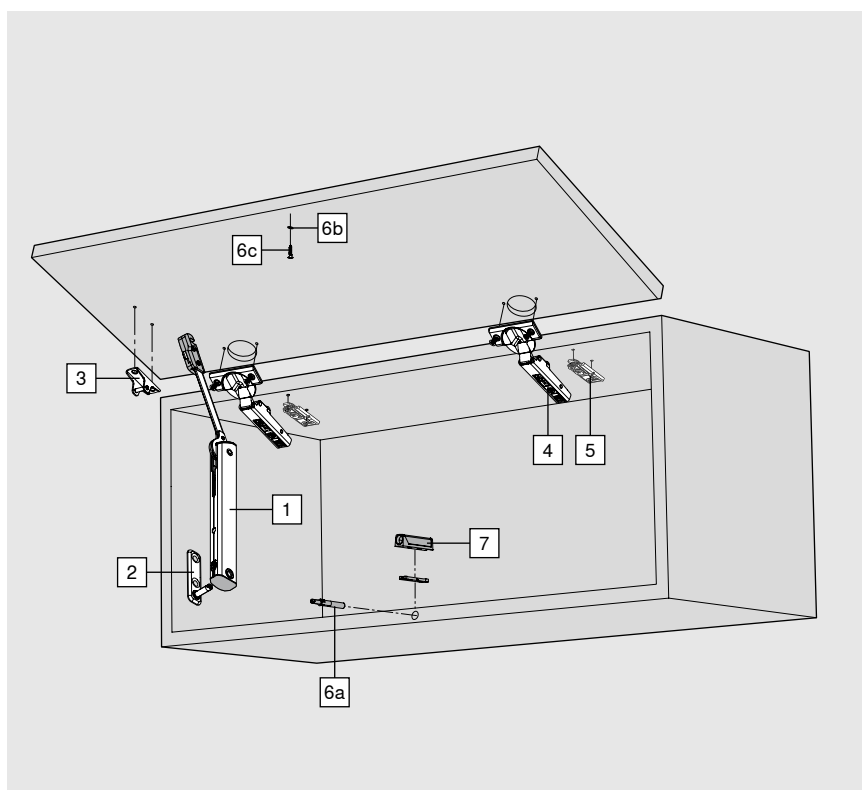
Minimum gap

Minimum gap MF is 2 mm

Assembly and adjustment

Information on assembly and adjustment

www.blum.com/aventos-hks-assembly



- Ideal for low cabinet heights in wall cabinets, in tall cabinets and over the refrigerator
- Cabinet height 240–600 mm
- Internal cabinet depth min. 125 mm
- An internal cabinet depth of 100 mm 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 handle-less stay lifts with CLIP top unsprung hinges
- Light operating forces
- Balanced, top quality motion with a variable stop
- Simple, infinitely variable lift mechanism adjustment



Power factor (LF) = cabinet height (KH) [mm] x front weight incl. double handle weight [kg]

- ☐ Standard
- ☒ TIP-ON

A trial application is recommended where power factor ranges overlap.

Ordering information

| 1 | <input type="checkbox"/> | Lift mechanism | | |
|---|--------------------------|----------------|-------------------|---------|
| | | LF | OW | |
| | | 200–1000 | 105° | 20K1101 |
| | | 500–1500 | 105° ¹ | 20K1301 |
| | | 800–1800 | 105° | 20K1501 |

| 1 | <input checked="" type="checkbox"/> | Lift mechanism for TIP-ON | | |
|---|-------------------------------------|---------------------------|-------------------|----------|
| | | LF | OW | |
| | | 180–800 | 105° | 20K1101T |
| | | 500–1200 | 105° ¹ | 20K1301T |
| | | 800–1600 | 105° | 20K1501T |

LF Power factor

OW Opening angle (infinitely variable adjustment)

Note



The power factor LF is doubled when used on both sides



¹ Hinges with smaller opening angles limit the opening angle




| 2 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Cabinet fixing | |
|---|--------------------------|-------------------------------------|----------------|---------|
| | | | Fixing method | |
| | | | Screw-on | 20K5101 |
| | | | EXPANDO | 20K51E1 |

| 3 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Front fixing bracket | | |
|---|--------------------------|-------------------------------------|-----------------------------------|----------------------|----------|
| | | | Version | Fixing method | |
| | | | Wooden fronts and wide alu frames | Screw-on | 20K4101 |
| | | | Wooden fronts | EXPANDO ² | 20K41E1 |
| | | | Narrow alu frames | Screw-on | 20K4101A |



Ordering information

| | | | | |
|---|---|-------------------------------|---------|--|
| 4 |  | CLIP top BLUMOTION 110° hinge | | |
|  | Boss | Spring | | |
| | INSERTA | With spring | 71B3590 | |
| | Screw-on ² | With spring | 71B3550 | |
| 3 hinges starting at cabinet width KB 900 mm and/or power factor LF 1800 | | | | |
| 4 hinges with cabinet width KB 1200 mm and/or starting at power factor LF 2700 | | | | |
| Alternative | | | | |
| CLIP top BLUMOTION hinges: 107°, profile/thick door, 95°-aluminium frame door hinge or CLIP top hinges: 107°, profile/thick door, 95°-aluminium frame door hinge in combination with BLUMOTION 973A – to clip on or CLIP hinges: 100° | | | | |

| | | | | |
|---|---|---------------------|------------|--|
| 4 |  | CLIP top 110° hinge | | |
|  | Boss | Spring | | |
| | INSERTA | Unsprung | 70T3590.TL | |
| | Screw-on ² | Unsprung | 70T3550.TL | |
| 3 hinges starting at cabinet width KB 900 mm and/or power factor LF 1800 | | | | |
| 4 hinges with cabinet width KB 1200 mm and/or starting at power factor LF 2700 | | | | |
| Alternative | | | | |
| CLIP top hinges: 107°, profile/thick door, 95°-aluminium frame door hinge and/or CLIP 100° (each with unsprung hinge) | | | | |



| | | | | |
|---|---|----------------|--------------|-----------|
| 5 |   | Mounting plate | | |
|  | Fixing method | | Spacing (mm) | |
| | Screw-on | ² | 0 | 175H3100 |
| | EXPANDO | | 0 | 177H3100E |
| Standard mounting plates, spacing depends on the top gap | | | | |

² Use 2 chipboard screws (609.1x00) per side for wooden fronts. Use 2 counter sunk self tapping screws (660.0950) per side for wide alu frames.

| | | | | |
|---|---|--------------------------|------------------------|----------|
| 6 |  | TIP-ON set | | |
|  | | Version | Cabinet height KH (mm) | |
| | | Short version | Up to 600 | 956.1004 |
| | | Colour | | |
| | | SW, TS, R7036 | | |
| | Consisting of: | | | |
| 6a | 1 x | TIP-ON | | |
| 6b | 1 x | Screw-on catch plate | | |
| 6c | 1 x | Chipboard screw 609.1500 | | |
| - | 1 x | Glue-on catch plate | | |

Accessories

| | | | | |
|---|--|--|------------------------|----------|
| 7 |  | Adapter plate | | |
| | | Version | Colour | |
| | | Straight adapter plate Short version | SW, TS, R7036, NI-L | 956.1201 |
| | | Cruciform adapter plate Long version | R7036 | 956A1501 |

| | | | | |
|---|---|--------------------|--------|---------|
| - |  | Opening angle stop | | |
|  | Opening angle | | Colour | |
| | 86° | | TGR | 70T3553 |
| | For CLIP top BLUMOTION 110° CLIP top 110° hinge | | | |

| Colour | |
|--------|------------------------|
| HGR | Light grey |
| SW | Silk white |
| TGR | Dark grey |
| TS | Terra black |
| R7036 | RAL 7036 platinum grey |
| NI-L | Nickel-lacquered |

Planning

Drilling position

$H = 137 + D + K + SOB$

D Mounting plate spacing

K Cranking of the hinge arm

Horizontal hinge arm 0 mm

Cranked hinge arm 9.5 mm

Double cranked hinge arm 18 mm

SOB Top panel thickness

() Internal cabinet depth 100 mm

Space requirement

min LH = 200

min 125*
(min 100*)

27

CLIP top BLUMOTION 110° hinge

$Y = (FH - X) \times 0.3$

| | | | | |
|---------|----|----|----|----|
| FD (mm) | 16 | 19 | 22 | 24 |
| X (mm) | 45 | 34 | 23 | 15 |

FD Front thickness

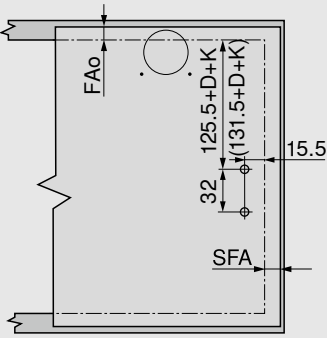
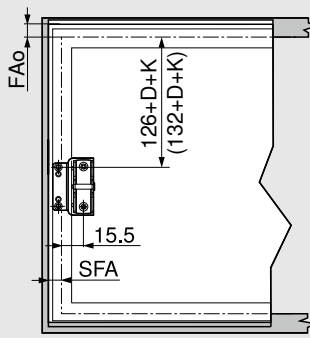
FH Front height

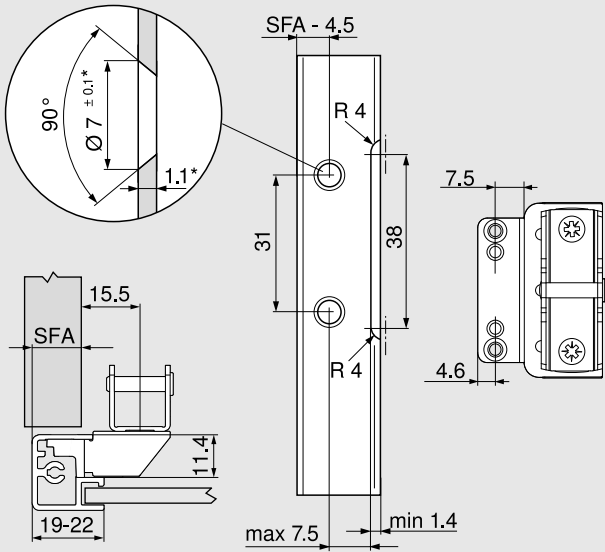
LH Internal cabinet height

* Min. 200 mm with visible wall hanging bracket

() Internal cabinet depth 100 mm

Planning

| Front assembly | |
|---|--|
| Wooden fronts and wide alu frames | Narrow alu frames |
|  |  |
| FAo Upper front overlay | |
| SFA Side front overlay | |
| D Mounting plate spacing | |
| K Cranking of the hinge arm | |
| Horizontal hinge arm 0 mm | |
| Cranked hinge arm 9.5 mm | |
| Double cranked hinge arm 18 mm | |
| () Internal cabinet depth 100 mm | |

| Narrow alu frames |
|---|
|  |
| For frame width 19 mm, an SFA of 11-18 mm is possible. |
| * When changing material thickness, adjust the assembly dimensions accordingly |
| SFA Side front overlay |

Space requirement – Cornice|Crown moulding

The diagram illustrates the installation of a cornice or crown moulding. A horizontal moulding piece is positioned above a door hinge. The distance from the hinge to the end of the moulding is labeled 'X'. The thickness of the moulding is labeled 'FD'. The hinge is shown at an angle of 105 degrees.

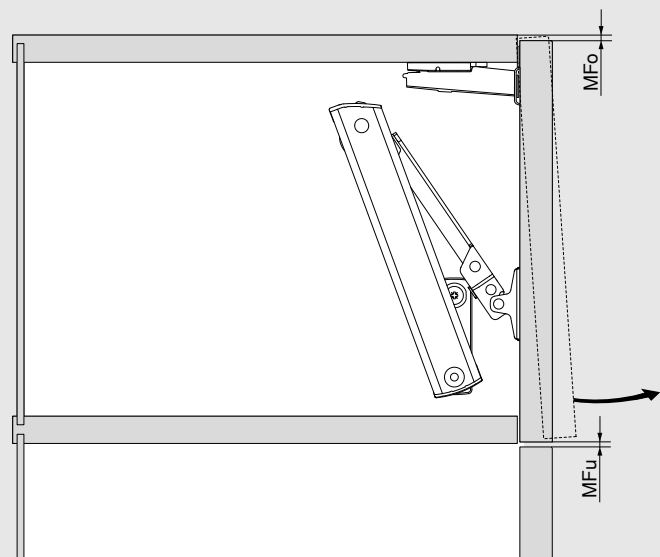
CLIP top BLUMOTION 110° hinge

| | | | | |
|---------|----|----|----|----|
| FD (mm) | 16 | 19 | 22 | 24 |
| X (mm) | 45 | 34 | 23 | 15 |

FD Front thickness

Planning

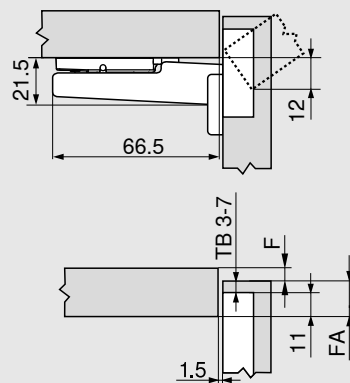
Minimum gap



MFo Minimum gap at the top depending on the hinge used

MFu Minimum gap at the bottom 1.5 mm

Overlay application



| | |
|---|-----|
| F | Gap |
|---|-----|

FA Front overlay

TB Drilling distance


Drilling distance TB

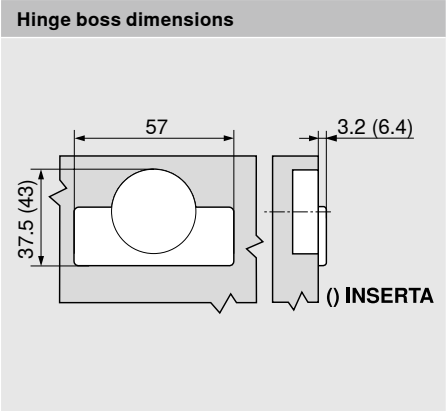
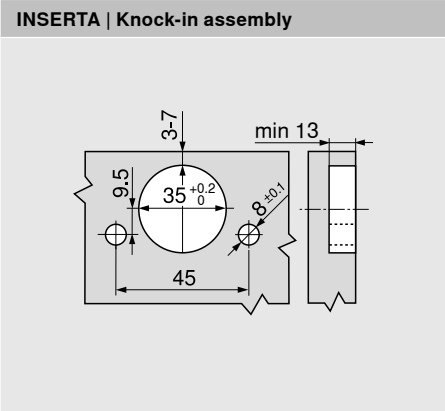
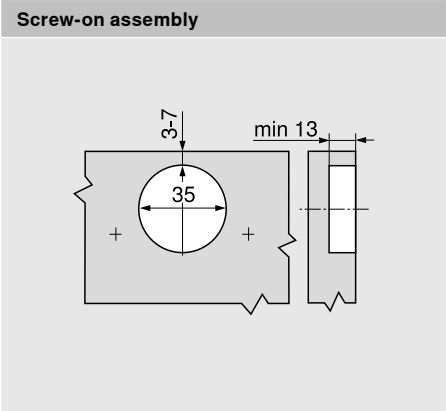
[illegible]

MD Mounting plate spacing (mm)

Further planning information for TIP-ON – see page 66

Planning

| Minimum gap F for fronts with a front radius (R = 1 mm) based on the factory setting | | | | | | | | | | | | | |
|--|---------------------------|-------------------------|------|------|------|------|------|------|------|------|------|----|----|
|  | Drilling distance TB (mm) | Front thickness FD (mm) | | | | | | | | | | | |
| | | 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 | Δ | Δ |
| | 4 | 0.5 | 0.8 | 1.0 | 1.2 | 1.4 | 1.7 | 2.0 | 2.5 | 3.1 | 3.8 | Δ | Δ |
| | 5 | 0.5 | 0.8 | 0.9 | 1.2 | 1.4 | 1.7 | 2.0 | 2.4 | 2.9 | 3.4 | Δ | Δ |
| | 6 | 0.5 | 0.8 | 0.9 | 1.2 | 1.3 | 1.6 | 1.9 | 2.3 | 2.7 | 3.2 | Δ | Δ |
| | 7 | 0.5 | 0.8 | 0.9 | 1.1 | 1.3 | 1.6 | 1.9 | 2.2 | 2.6 | 3.0 | Δ | Δ |
| For +2 mm height adjustment, add: | | | | | | | | | | | | | |
| | | +0.2 | +0.4 | +0.4 | +0.5 | +0.5 | +0.5 | +0.5 | +0.5 | +0.5 | +0.5 | | |
| Δ A trial application is recommended | | | | | | | | | | | | | |



Assembly and adjustment

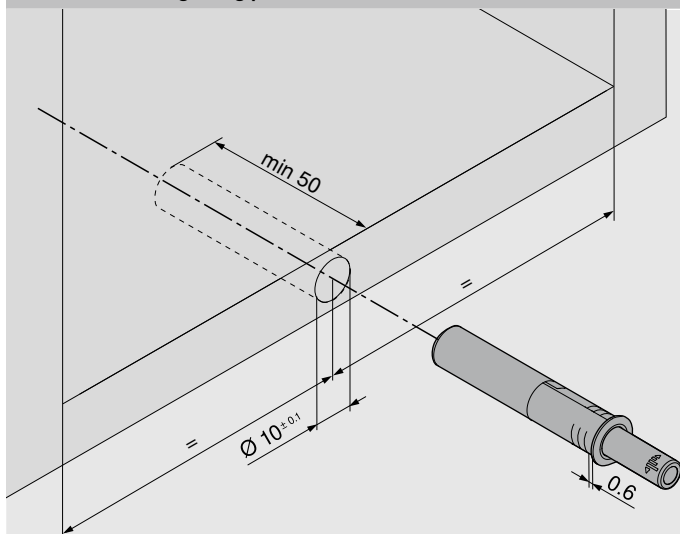


Information on
assembly and
adjustment

www.blum.com/aventos-hkxs-assembly

Planning

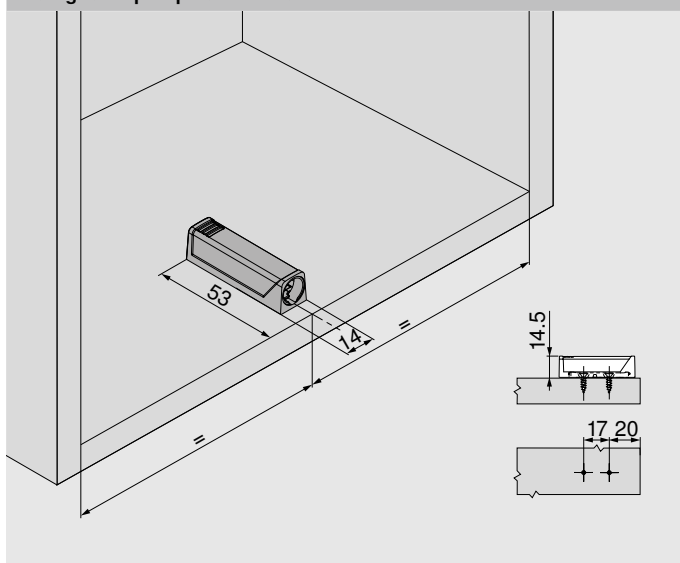
TIP-ON for drilling fixing position



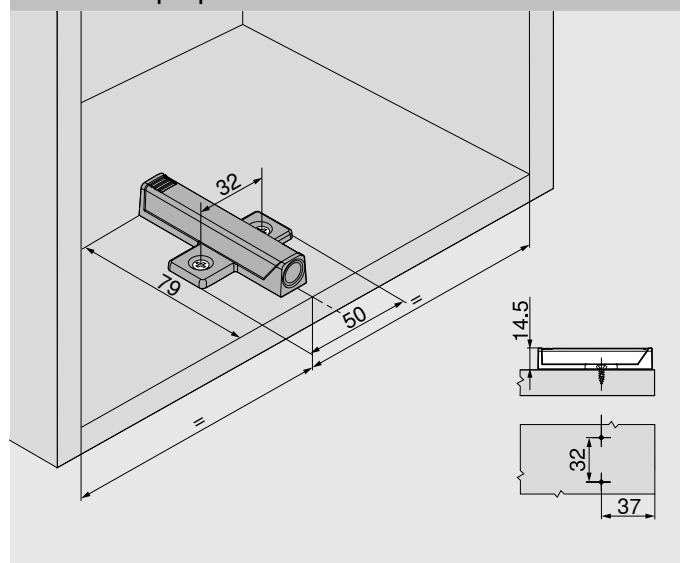
For stay lifts up to and including a height of 600 mm

TIP-ON adapter plate fixing position

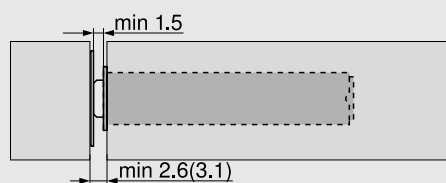
Straight adapter plate – short version



Cruciform adapter plate



Installation dimensions for front gap

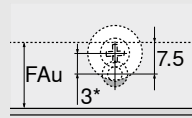
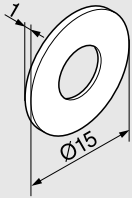


min. 2.6 mm with glue-on catch plate

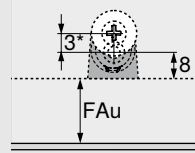
() min. 3.1 mm with screw-on catch plate

Planning

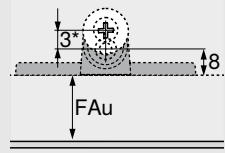
Screw-on catch plate planning



For drilling



Straight adapter plate

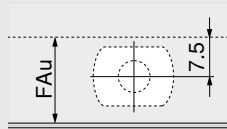
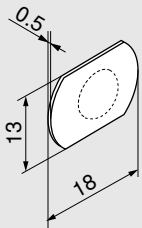


Cruciform adapter plate

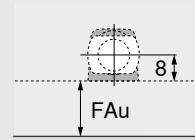
* For the screw-on catch plate we recommend positioning the catch plate 3 mm away from TIP-ON.

FAu Bottom front overlay

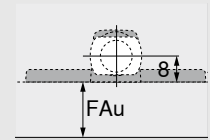
Glue-on catch plate planning



For drilling



Straight adapter plate




Cruciform adapter plate

FAu Bottom front overlay



- EXPANDO T – pre-assembled fixing system
- Thin fronts measuring 8 mm or more
- Different front materials
- 3 different applications –
lift systems | hinge systems | box systems

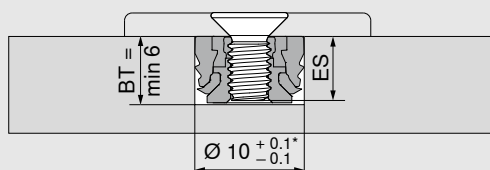
Front fixing bracket for AVENTOS HS | HL | HK top

|  | Version | Material | |
|---|-------------|----------|----------------|
| | Symmetrical | Steel | 20S42T1 |

Fixing positions as per the details in the respective planning information

EXPANDO T – single

|  | Colour | Material | |
|---|--------|-------------|-----------------|
| | TGR | Nylon/steel | 70T4532T |

Drilling depth | Screw selection – EXPANDO T


BT Drilling depth

ES Screw penetration depth

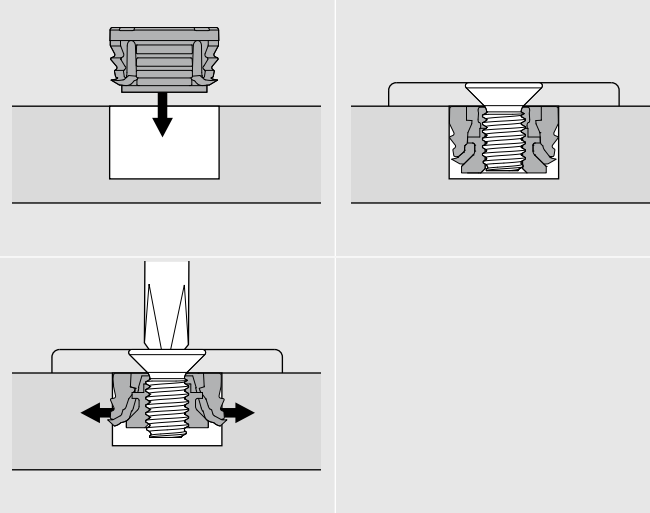
ES Min. 4 mm

ES Max. BT - 0.5 mm

* Stone and ceramic +0.2/-0.1 mm

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

Assembly – EXPANDO T

Area of application and assembly recommendation

EXPANDO T is suitable for fixing Blum fittings to thin cabinet fronts of all types of materials. Materials can be just 8 mm thick or more, provided they are sufficiently stable and strong.

Nm Minimum tightening torque

| Materials tested by Blum | Nm |
|--|-----|
| Chipboard (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 – Nero Assoluto | 3 |
| Artificial stone – quartz composite | 3 |
| Ceramic panels | 3 |

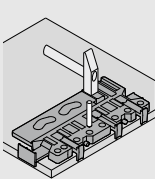
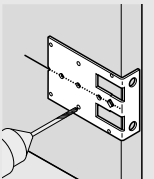
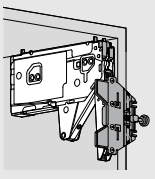
Liability disclaimer

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

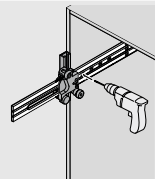
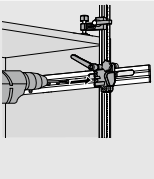
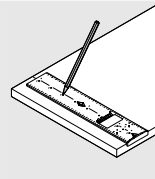


Information on assembly and adjustment
www.blum.com/expando-t-9

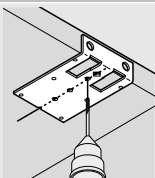
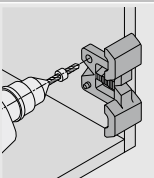
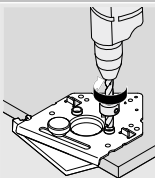
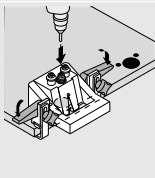
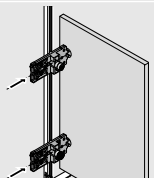
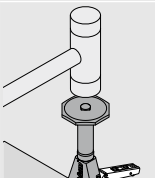
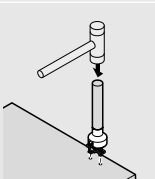
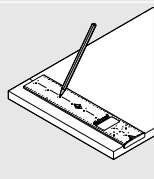
Front assembly

| | | | | | |
|--|-----------------------------|---|----------|---|--|
|  | Universal drilling template |  | Template |  | Marking template for AVENTOS HK top front fixing bracket |
| | ZML.0040.01 | | | | ZML.2200 |

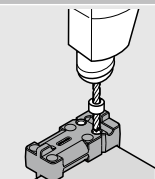
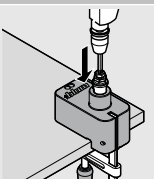
Cabinet assembly

| | | | | | |
|--|-------------------------------|---|------------------------|---|----------------------------|
|  | Universal individual template |  | Universal rod template |  | Universal marking template |
| | 65.1051.02 | | | | 65.5340.01 |

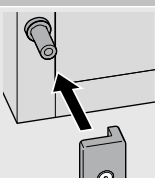
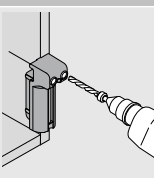
Assembly – Hinge systems

| | | | | | |
|--|-----------------------------------|---|---------------------------------------|---|---|
|  | Template |  | Drilling template for mounting plates |  | Drilling template for hinges |
| | 65.5300 | | | | <div> <div>Ø 8 mm </div> <div>Ø 2.5 mm</div> </div> <div>65.059A</div> |
|  | ECODRILL |  | Drilling template for hinge systems |  | Knock-in tool for hinges |
| | M31.1000 | | | | 65.055A |
|  | Knock-in tool for mounting plates |  | Universal marking template | | |
| | Mounting plate | | | | |
| | 65.6100 | | | | |
| | Steel horizontal mounting plate | | | | |
| | ZME.0730 | | 65.5340.01 | | |

Assembly – SERVO-DRIVE

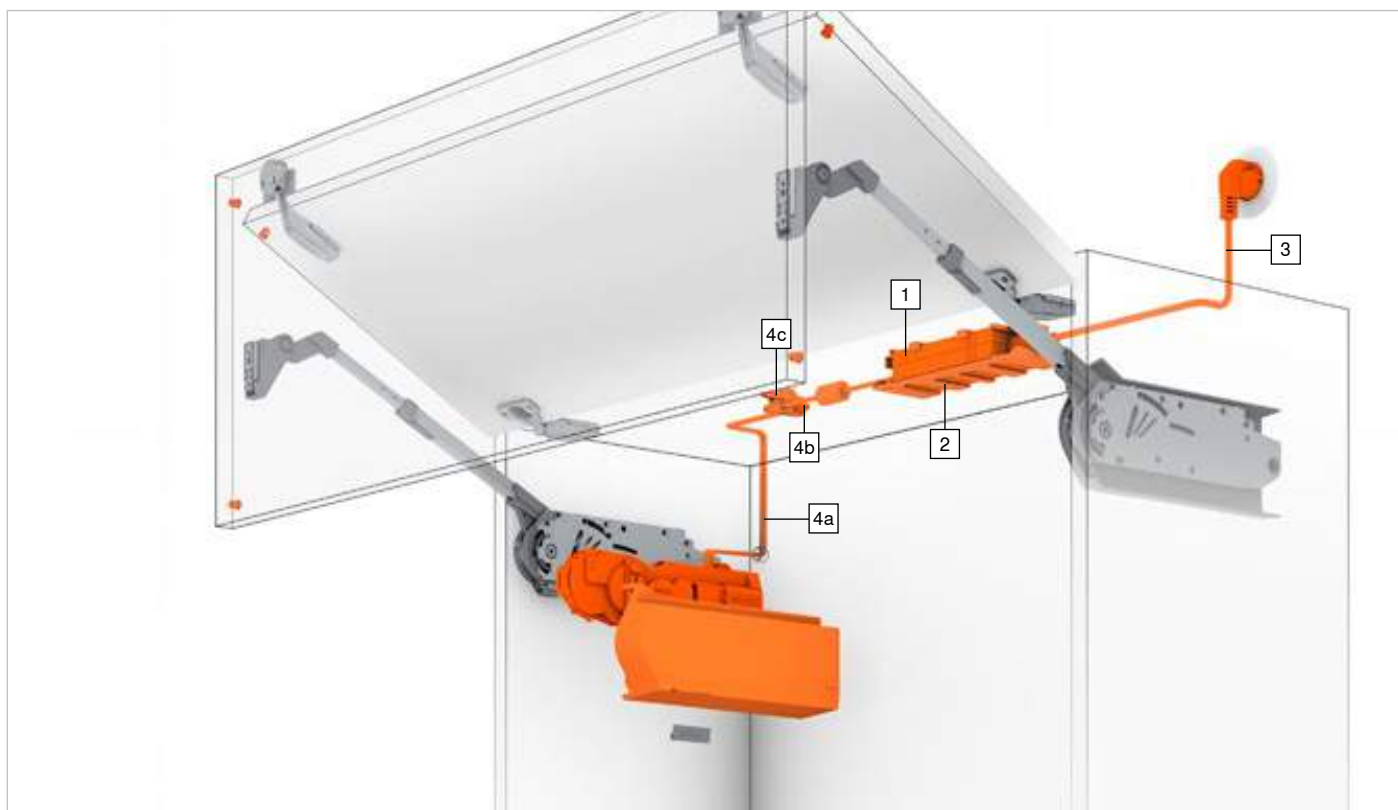
| | | | |
|--|--|---|--|
|  | Drilling template for Blum distance bumper |  | Drilling template for the SERVO-DRIVE switch |
| | ZML.1090 | | M31.2000 |

Assembly – TIP-ON

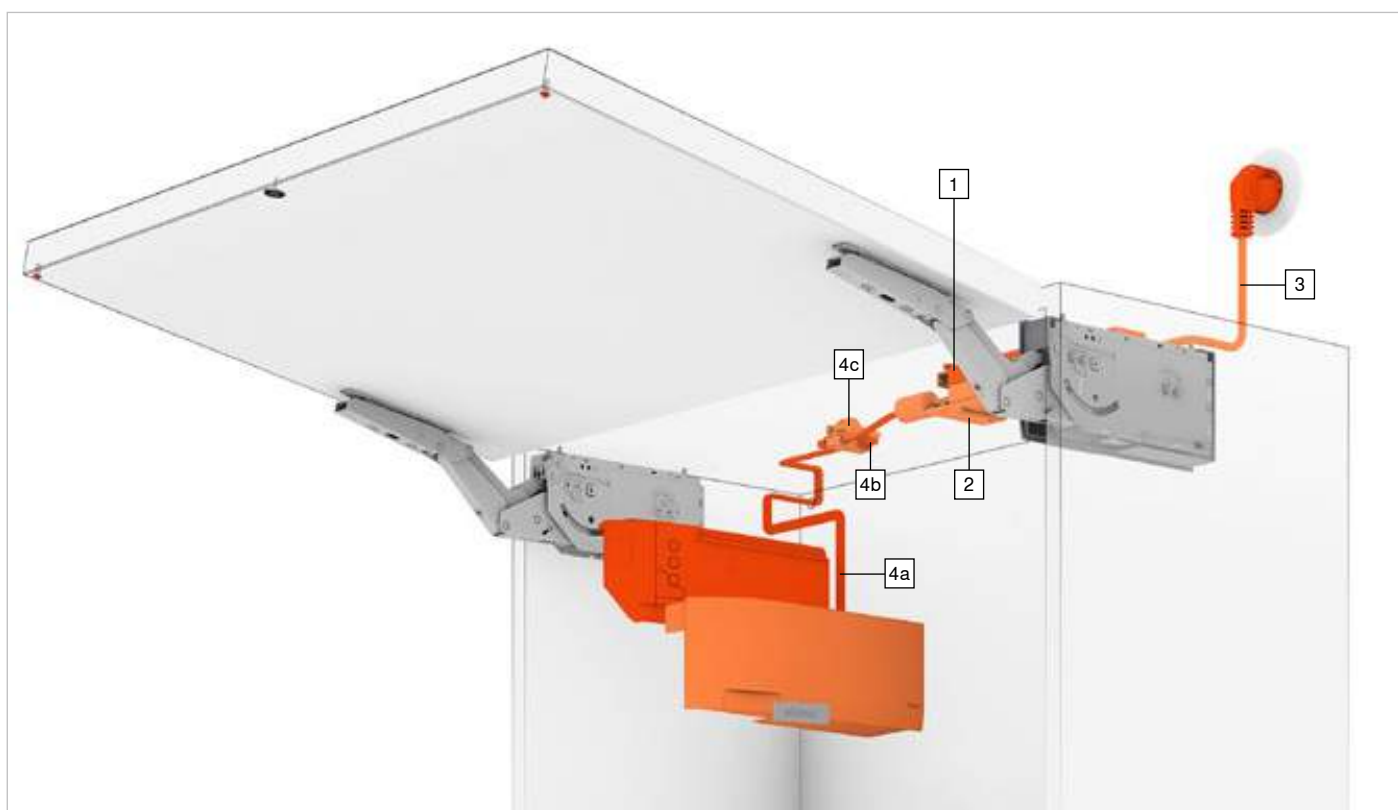
| | | | |
|--|--------------------------------------|---|--|
|  | Positioning template for catch plate |  | Drilling template for BLUMOTION TIP-ON |
| | 65.5210.01 | | 65.5010 |

Blum transformer and accessories

SERVO-DRIVE for AVENTOS HF, HS, HL

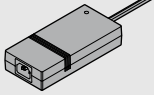



SERVO-DRIVE for AVENTOS HK top




Blum transformer and accessories

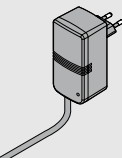
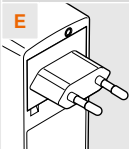
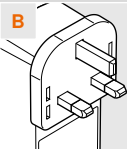
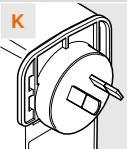
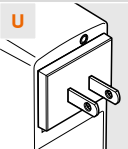
Ordering information

| 1 | 24-watt Blum transformer | | | |
|--|--------------------------|-----------|------------------------|-----------|
|  | Language package | | Language package | |
| | A | Z10NE030A | F | Z10NE030F |
| | B | Z10NE030B | G | Z10NE030G |
| | C | Z10NE030C | H | Z10NE030H |
| | D | Z10NE030D | J | Z10NE030J |
| | E | Z10NE030E | | |
| Includes operating and installation instructions | | | | |
| Without flex | | | | |
| Language package | | | | |
| A | DE, EN, FR, IT, NL | F | BG, ET, LT, LV, RO, RU | |
| B | DA, EN, FI, NO, SV | G | EN, ES, FR | |
| C | EL, EN, HR, SL, SR, TR | H | EN, ZH | |
| D | EN, ES, FR, IT, PT | J | JA | |
| E | CS, HU, PL, SK | | | |
| Language descriptions as per ISO-639 | | | | |

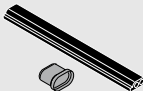
| 2 | Transformer unit housing | | |
|---|--------------------------|----------|----------|
|  | Colour | Material | |
| | WGR | Nylon | Z10NG120 |
| For 24-watt Blum transformer | | | |


| 3 | Flex | | | |
|---|---------------------|-------------|--------|-------------|
|  | Market | | Market | |
| | AR | Z10M200A | JP | Z10M200J |
| | UK | Z10M200B | AU | Z10M200K |
| | CH | Z10M200C | CL | Z10M200L |
| | DK | Z10M200D | CN | Z10M200N |
| | Europe | Z10M200E | BR | Z10M200S.01 |
| | Europe ¹ | Z10M200E.OS | TW | Z10M200T |
| | IN | Z10M200H | US, CA | Z10M200U |
| | IL | Z10M200I | ZA | Z10M200Z |
| ¹ Without plug | | | | |


| Colour | |
|--------|------------|
| WGR | White grey |
| S | Black |
| W | White |

| Alternative to 1, 2 and 3 | | | | |
|---|--|---|---|---|
| 12-watt Blum plug-in transformer | | | | |
| Only suitable for one drive unit | | | | |
|  | Power adapter (x) | | | |
| |  |  |  |  |
| | See the Information chapter of the Blum catalogue for a detailed market list. | | | |
| | Language packages (y) | | | |
| | A | DE, EN, FR, IT, NL | E | CS, HU, SK, PL |
| B | DA, EN, FI, NO, SV | F | BG, ET, LT, LV, RO, RU | |
| C | EL, EN, HR, SL, SR, TR | G | EN, ES, FR | |
| D | EN, ES, FR, IT, PT | | | |
| Z10NA30xyF | | | | |
| Consisting of: | | | | |
| - | 1 x | 12-watt Blum plug-in transformer | | |
| | | Incl. cable, 1120 mm (with distribution cable extendible to max. 2000 mm) | | |
| Other combinations available upon request | | | | |

Accessories

| | | | |
|---|--------|--|-----------|
| 4 | | Distribution cable and cable end protector | |
|  | Colour | Length (m) | |
| | S | 8 | Z10K800AE |
| | | | |
| Consisting of: | | | |
| 4a | 1 x | Distribution cable | |
| 4b | 5 x | Cable end protector | |
| Can be used as a distribution cable | | | |
| For cutting to size | | | |

| 4 | Connecting nodes and cable end protector | | |
|---|--|---------------------|-------------|
|  | Colour | Material | |
| | S | Nylon | Z10V100E.01 |
| Consisting of: | | | |
| 4c | 1 x | Connecting node | |
| 4b | 2 x | Cable end protector | |

| | Cable holder | | |
|---|--------------|----------|----------|
|  | Colour | Material | |
| | W | Nylon | Z10K0009 |
| E.g. for fixing the distribution cable | | | |

Blum transformer and accessories

Planning

Space requirement and safety distance, Blum transformer unit housing and/or Blum plug-in transformer

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

Assembly on the cabinet top panel

- 1 Distribution cable for cutting to size
- 2 Connecting node
- 3 Cable end protector
- 4 Blum transformer
- 5 Transformer unit housing
- 6 Flex

i Only one Blum transformer can be connected to each distribution cable.

Back cabling

Recommended

Top cabling

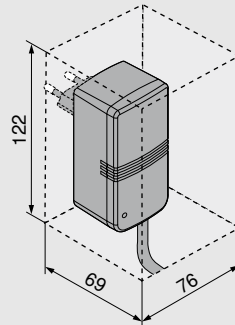
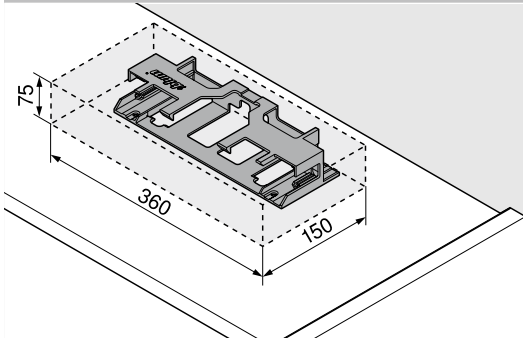
Optional

| |
|--|
| Cabinet front edge to centre of drilled hole |
| HF 167 mm |
| HS 69 or 167 mm |
| HL 74.5 or 167 mm |

Blum transformer and accessories

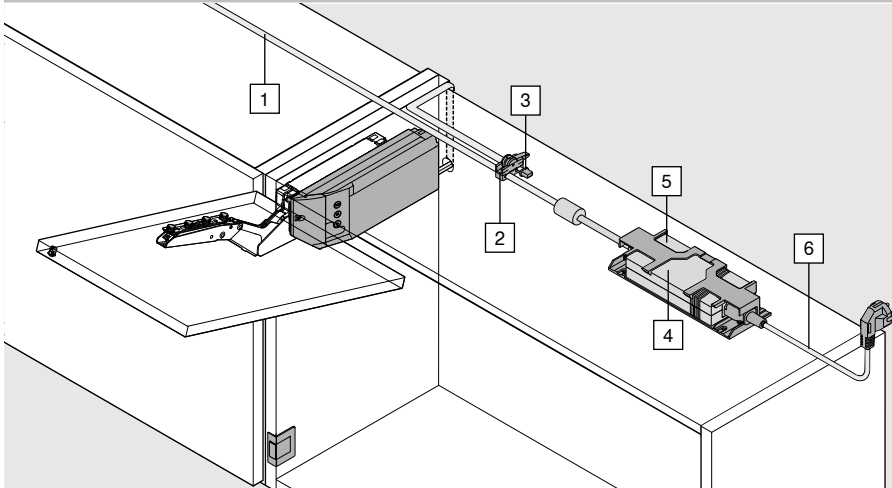
Planning

Space requirement and safety distance, Blum transformer unit housing and/or Blum plug-in transformer



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

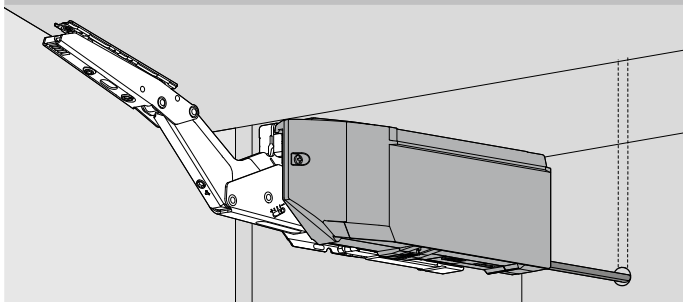
Assembly on the cabinet top panel



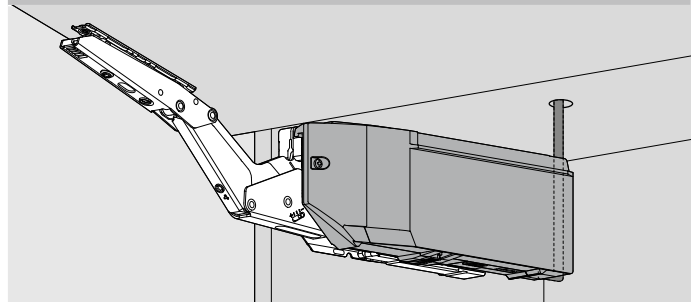
- 1 Distribution cable for cutting to size
- 2 Connecting node
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- 4 Blum transformer
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i Only one Blum transformer can be connected to each distribution cable.

Back cabling



Top cabling



Assembly and adjustment



Information on assembly and adjustment

www.blum.com/servodrive-aventos-assembly

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