How to Fit Blum TIP-ON to an AVENTOS Stay Lift

Doors, Drawers & Fronts. US catalog, in inches and millimeters. Updated November 2026.

TIP-ON is Blum's push-to-open system: a light press on a handleless lift-up door releases the lift and the door opens, so the door needs no handle. This guide covers the AVENTOS HK top, HK-S and HK-XS lifts: the TIP-ON lift sets, the door unit, the bore, where the catch plate goes and the order of work.

TIP-ON for AVENTOS at a glance

Fits These Lifts	AVENTOS HK top, HK-S and HK-XS
Lift Set	The same lift set with a T on the end of the part number, such as 22K2500T
Door Unit	956.1004: the TIP-ON unit, a screw-on catch plate, a wood screw and a glue-on catch plate
Bore	Ø10 mm (about 13/32 in) and at least 50 mm (about 1-31/32 in) deep, printed for stay lifts up to and including a height of 400 mm (about 15-23/32 in)
Adjustment Range	From +4 mm (about 5/32 in) to -1 mm (about 1/32 in)
Door Gap	At least 2.6 mm (about 1/8 in) with the glue-on catch plate and 3.1 mm (about 1/8 in) with the screw-on catch plate
Mounting	Works for overlay and inset doors, bored into the panel or on an adapter plate

From Blum AVENTOS overview p.1; Blum AVENTOS catalog p.40, 41, 60, 61.

Who this guide is for

Anyone building handleless lift-up doors on AVENTOS HK top, HK-S or HK-XS cabinets, by hand or with simple jigs. Size and install the lift with the guide for your lift, and use this guide for the TIP-ON parts on top of it.

What you need

Order the TIP-ON version of the lift set for your lift, the TIP-ON door unit, and on an HK-XS the free swing hinges.

Blum Part Number	What It Is	How Many	Your Choice
22K2300T, 22K2500T, 22K2700T, 22K2900T	AVENTOS HK top lift set with TIP-ON: 2 lift mechanisms, chosen by power factor	1 set	Nickel (NI) or Eclipse black (ECS)
20K2B00T06, 20K2C00T06, 20K2E00T06	AVENTOS HK-S lift set with TIP-ON: 2 lift mechanisms, covers and branding elements	1 set	Dark gray (TGR), Silk white (SW) or Light gray (HGR)
20K1101T, 20K1301T, 20K1501T	AVENTOS HK-XS lift mechanism with TIP-ON, chosen by power factor	1 per mechanism; see the maker's instructions for the number of mechanisms	
956.1004	TIP-ON standard door set: TIP-ON, screw-on catch plate, wood screw 609.1500, glue-on catch plate	1	Carbon black (CS), Silk white (SW) or Platinum gray (R7036)
956.1201	Straight adapter plate, short	Optional, when the unit is not bored into the panel	CS, SW, R7036 or Nickel lacquered (NI-L)

70T3590.TL, 70T3550.TL, 72T550A.TL	Free swing hinges for an HK-XS with TIP-ON: INSERTA, screw-on, and CLIP top 120 degree free swing for narrow aluminum frames	see the maker's instructions	

From Blum AVENTOS catalog p.40, 47, 53, 41, 42, 55. Finishes and colors are your choice; the table names them as Blum prints them.

The rest of the lift's parts, such as the door plates and the cover caps, are in the guide for your lift.

Jigs and tools that make it easier

Blum makes one template for the TIP-ON fixing and one for the catch plate. Both are listed by part number.

Blum Part Number	Jig or Tool	What It Does Here
65.5010	Drilling template for BLUMOTION | TIP-ON	Marks and guides the TIP-ON bore.
65.5210.01	Positioning template for catch plate	Places the catch plate on the door. Blum lists it in its 2025 assembly aids brochure rather than in the 2026 catalog.

From Blum AVENTOS catalog p.67; Blum assembly aids brochure p.14.

If you cut on a CNC router, you can drill these same positions from your own cut file, so the jigs here are for building by hand.

Ranges, positions and gaps

A TIP-ON lift set is picked by power factor in the same way as the standard set, and the ranges are listed here.

Power factor

`Power factor = cabinet height (in) x door weight including double handle weight (lb)`
Cabinet height in inches and weights in pounds. A TIP-ON front has no handle, so the handle weight is zero and the power factor is the cabinet height times the door weight.

From Blum AVENTOS catalog p.40.

AVENTOS HK Top With TIP-ON

Part Number	Power Factor From	Power Factor to	Opening Angle
22K2300T	36	139	107 degrees
22K2500T	80	240	107 degrees
22K2700T	150	450	100 degrees
22K2900T	270	781	100 degrees

From Blum AVENTOS catalog p.40.

AVENTOS HK-S With TIP-ON

Part Number	Power Factor From	Power Factor to
20K2B00T06	19	44
20K2C00T06	35	88
20K2E00T06	84	195

From Blum AVENTOS catalog p.47.

AVENTOS HK-XS With TIP-ON

Part Number	Power Factor From	Power Factor to

20K1101T	16	70
20K1301T	44	106
20K1501T	70	141

From Blum AVENTOS catalog p.53.

Catch Plates

Catch Plate	Size	Position
Screw-on	Ø15 mm (about 19/32 in) by 1 mm (about 1/32 in) thick	7.5 mm (about 9/32 in) with a drilled fixing and 8 mm (about 5/16 in) with a straight adapter plate, as dimensioned from FAu, the bottom door overlay, on Blum's page 60. Blum recommends placing it 3 mm (about 1/8 in) away from TIP-ON.
Glue-on	13 mm (about 1/2 in) by 18 mm (about 23/32 in) by 0.5 mm (about 1/32 in) thick	7.5 mm (about 9/32 in) with a drilled fixing and 8 mm (about 5/16 in) with an adapter plate, as dimensioned from FAu on Blum's page 60.

From Blum AVENTOS catalog p.60.

Blum's note under the TIP-ON door set: due to various door weights and sizes, a trial application is recommended.

Blum recommends a trial application when you are in a borderline area of a lift mechanism's power factor range, and the more powerful mechanism where two ranges overlap.

Before you rely on a glue-on catch plate, check that the surface suits the catch plate in Blum's TIP-ON sheet.

Worked example. An HK top with TIP-ON

A cabinet 24 in high and 30 in wide with a door that weighs 6.0 lb and no handle.

1. Power factor = 24 x 6.0 = 144

2. The HK top TIP-ON ranges: 22K2300T ends at 139, 22K2500T runs from 80 to 240, 22K2700T starts at 150. Only 22K2500T holds 144.

3. The set holds two lift mechanisms.

Order 22K2500T for this door.

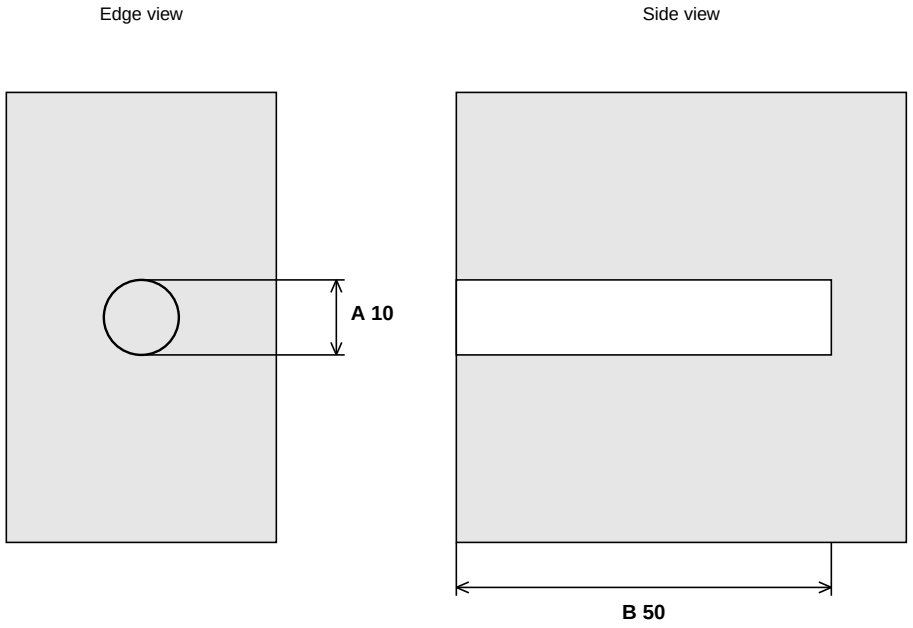
A power factor close to the end of a range needs a trial application, as Blum says.

From Blum AVENTOS catalog p.40.

Drawings and positions

Every drawing below is ours, drawn to scale from the figures Blum prints and named with its source page. The letter on a dimension line points to the table under the drawing.

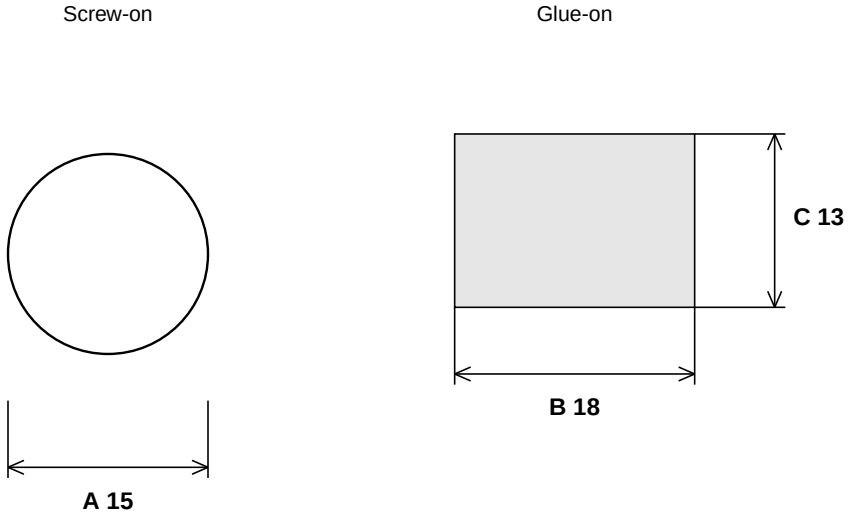
The TIP-ON bore



Drawn by CabDesign after Blum AVENTOS catalog cme106254, p.60. Blum prints the drilled fixing for stay lifts up to and including a height of 400 mm (about 15-23/32 in). The side view is not to scale in thickness.

Letter	Figure	In Inches	What It Measures
A	10 mm	about 13/32 in	Bore diameter
B	50 mm	about 1-31/32 in	Bore depth, at least

The two catch plates



Drawn by CabDesign after Blum AVENTOS catalog cme106254, p.60. The screw-on plate is 1 mm (about 1/32 in) thick and the glue-on plate 0.5 mm (about 1/32 in) thick.

Letter	Figure	In Inches	What It Measures
A	15 mm	about 19/32 in	Screw-on catch plate diameter
B	18 mm	about 23/32 in	Glue-on catch plate length
C	13 mm	about 1/2 in	Glue-on catch plate width

Steps, in order

1. Pick the TIP-ON lift set. Size the lift by power factor as the guide for your lift describes, with no handle weight, then order the version of the set that ends in T. On an HK-XS, order the free swing hinges too.

2. Check the height for a drilled fixing. Blum prints the drilled fixing for stay lifts up to and including a height of 400 mm (about 15-23/32 in). The adapter plates are the other mounting on the same page of Blum's catalog.

3. Drill the TIP-ON bore. Drill a Ø10 mm (about 13/32 in) bore at least 50 mm (about 1-31/32 in) deep in the panel edge, as the drawing shows, using template 65.5010 if you have it.

4. Fit the TIP-ON unit. Press the TIP-ON unit into the bore. If you use the straight adapter plate 956.1201 instead, fix it to the cabinet as Blum's page 61 shows.

5. Place the catch plate. Fix the screw-on catch plate on the door, 3 mm (about 1/8 in) away from TIP-ON as Blum recommends, or stick the glue-on plate. Position it with template 65.5210.01 or from the figures in the catch plate table.

6. Check the door gap. Leave at least 2.6 mm (about 1/8 in) with the glue-on catch plate and at least 3.1 mm (about 1/8 in) with the screw-on catch plate.

7. Adjust and test. TIP-ON adjusts from +4 mm (about 5/32 in) to -1 mm (about 1/32 in). Open and close the door several times and adjust until it opens with a light press. Blum recommends a trial application because door weights and sizes vary.

Check before you finish

- The lift set is the T version, and the power factor sits well inside its range.

- The bore is Ø10 mm (about 13/32 in) and at least 50 mm (about 1-31/32 in) deep, or the adapter plate is fixed as Blum shows.

- The catch plate sits 3 mm (about 1/8 in) from TIP-ON when it is the screw-on kind.

- The gap is at least 2.6 mm (about 1/8 in) with the glue-on plate and 3.1 mm (about 1/8 in) with the screw-on plate.

- The door opens with a light press and closes against the TIP-ON unit.

Common mistakes

- A drilled fixing in a tall cabinet. Blum prints the drilled fixing for stay lifts up to and including a height of 400 mm (about 15-23/32 in).

- A catch plate too close to the unit. For the screw-on plate Blum recommends placing it 3 mm (about 1/8 in) away from TIP-ON.

- A gap that is too small. Blum prints a minimum door gap for each kind of catch plate: 2.6 mm (about 1/8 in) for glue-on and 3.1 mm (about 1/8 in) for screw-on.

- Skipping the trial application. Blum says that, due to various door weights and sizes, a trial application is recommended.

- Standard hinges on an HK-XS with TIP-ON. Blum lists free swing hinges for an HK-XS that uses TIP-ON.

From Blum AVENTOS catalog p.60, 61, 41, 55.

Check your numbers: Enter your cabinet and door in inches or millimeters, and the Blum AVENTOS Calculator gives the part, its power factor and every hole, each cabinet figure measured from Blum's own line and from the side's top edge. Open the Blum AVENTOS Calculator at cabdesign.app/modules/blum-aventos-calculator/blum-aventos-calculator.

What Blum's sheet decides

These details are not published in the Blum documents this guide is written from, so this guide leaves them out. Read them on Blum's own sheet for your part.

- A pilot hole size for the screw-on catch plate screw: only the screw part number is printed.
- The number of AVENTOS HK-XS mechanisms for a wide cabinet.
- The number of hinges for an HK-XS with TIP-ON.

Frequently asked questions

Which AVENTOS lifts take TIP-ON?

The AVENTOS HK top, HK-S and HK-XS take TIP-ON. Each has its own T version of the lift set.

How big is the TIP-ON bore?

The bore is Ø10 mm (about 13/32 in) and at least 50 mm (about 1-31/32 in) deep, printed for stay lifts up to and including a height of 400 mm (about 15-23/32 in).

How far can TIP-ON be adjusted?

From +4 mm (about 5/32 in) to -1 mm (about 1/32 in).

Which templates does Blum make for TIP-ON?

Template 65.5010 is for the TIP-ON bore, and 65.5210.01 positions the catch plate.

How much gap does a TIP-ON door need?

At least 2.6 mm (about 1/8 in) with the glue-on catch plate and 3.1 mm (about 1/8 in) with the screw-on catch plate.

Is there a handle weight in the power factor?

With TIP-ON there is no handle on the front, so only the door weight is used. The standard sets count the handle weight twice.

How CabDesign picks and sizes this

CabDesign sizes a lift-up front on the AVENTOS HK top, HK-S or HK-XS from the same printed Blum tables, including the TIP-ON ranges above, and puts the Blum part numbers it prints on the project's buy list.

Size it the same way in the Designer: pick a lift-up front, enter the door weight, and the Designer reads the same printed tables. Open the Designer at cabdesign.app.

Keep reading

- How to Install a Blum AVENTOS HK Top Stay Lift: cabdesign.app/guides/doors-drawers-fronts/install-blum-aventos-hk-top
- How to Install a Blum AVENTOS HK-S Stay Lift: cabdesign.app/guides/doors-drawers-fronts/install-blum-aventos-hk-s
- How to Install a Blum AVENTOS HK-XS Lift With Hinges: cabdesign.app/guides/doors-drawers-fronts/install-blum-aventos-hk-xs

Sources and references

- Blum AVENTOS catalog cme106254, LIT.AVT1001.08.26, blum.com/file/cme106254_ep_dok_bus (TIP-ON parts, bore, catch plates and gaps)
- Blum AVENTOS program overview cme115842, blum.com/file/cme115842_td_dok_bus (which lifts take TIP-ON)

- Blum assembly aids brochure cme205127, blum.com/file/cme205127_ep_dok_bus (the catch plate positioning template)

AVENTOS, SERVO-DRIVE, TIP-ON and BLUMOTION are names of Blum. This guide is independent: it is written by CabDesign and Blum has not reviewed it.

Blum's own instructions win if they differ, and Blum may change its parts without notice.

A CabDesign guide. This guide on the web: cabdesign.app/guides/doors-drawers-fronts/install-blum-tip-on-aventos