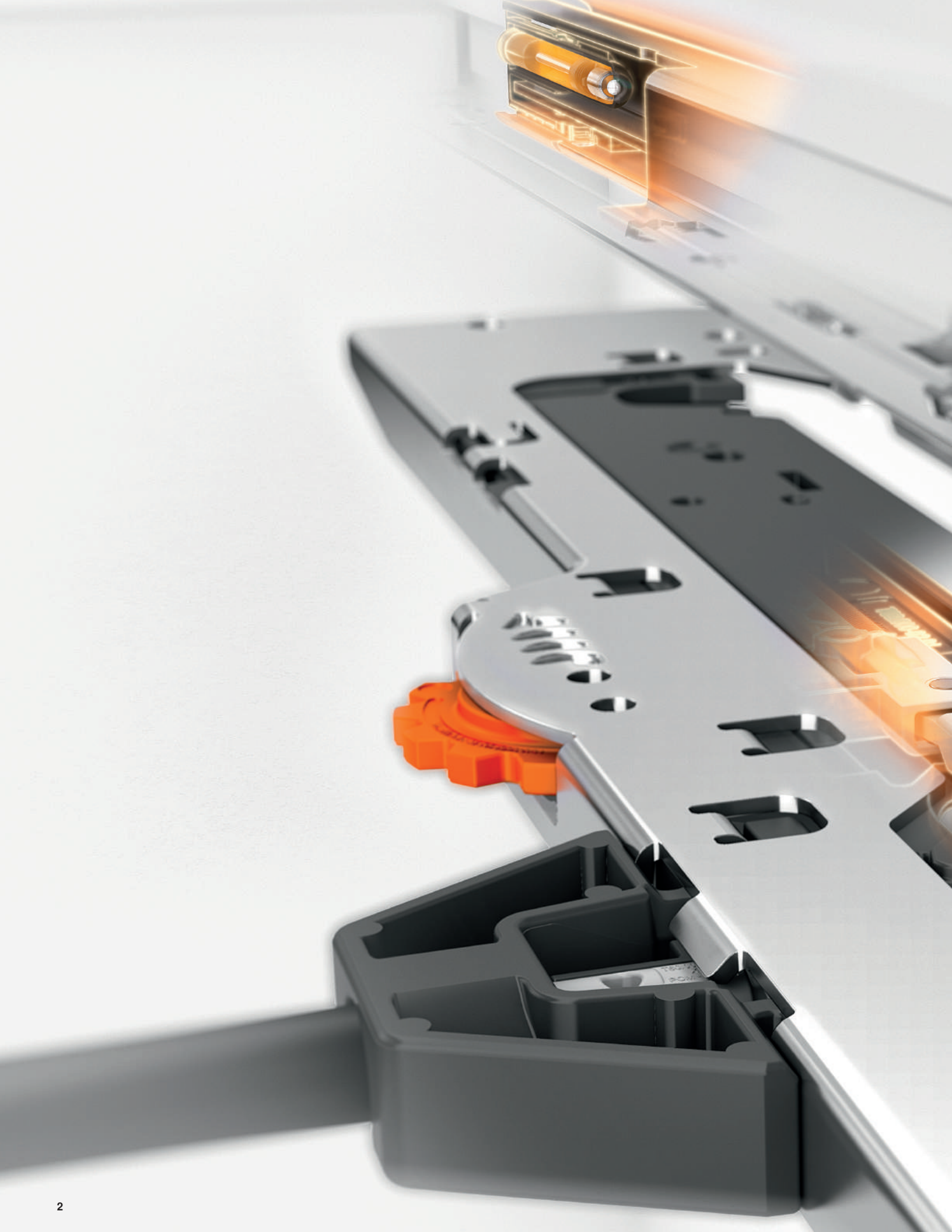


TIP-ON BLUMOTION for TANDEMBOX

Two functions – fascinatingly combined

www.blum.com

blum®



Innovative technology

The focus of all our product development: our furniture users' many different needs The result: a solution that provides optimal support for motion – 100 % mechanically. TIP-ON BLUMOTION for TANDEMBOX combines the advantages of the TIP-ON mechanical opening support system with reliable BLUMOTION dampening for silent and effortless closing.



Contents

3 Innovative technology

5 Fascinating combination

6 High functionality

9 Optimized box system

10 Easy assembly

13 TIP-ON BLUMOTION for all living areas

20 Technical overview

22 Order specification

34 The Blum company

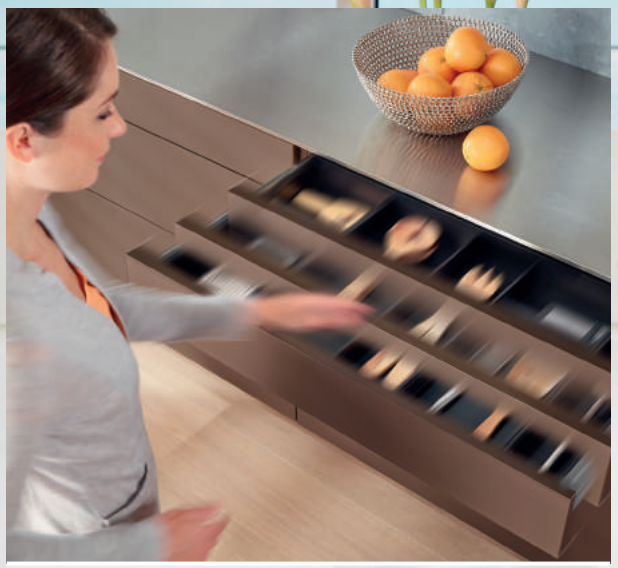
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A simple touch,



and the pull-out opens.



A light push, and it closes.



Watch
TIP-ON BLUMOTION
film: www.blum.com/
trailertiponblumotion

Fascinating combination

Opens with just a light touch, has a smooth running action and closes silently and effortlessly – experience completely harmonious and convenient motion with TIP-ON BLUMOTION technology for TANDEMBOX. And the best part: the motion is assisted 100 % mechanically.



High functionality

The extensive trigger range of TIP-ON BLUMOTION for TANDEMBOX provides inspirational ease of use for handle-less pull-outs and drawers. An optional synchronization can be used to extend the trigger range even further.

Small front gap
TIP-ON BLUMOTION can be adjusted to have a small front gap of 2.5 mm, meaning it is also ideal for kitchens.



Four-dimensional adjustment
The four-dimensional adjustment ensures a precise gap layout. The integrated depth adjustment can be made tool-free using the adjustment wheel.



Reliable function
It is possible to pull to open or push to close without difficulty, and TIP-ON BLUMOTION will remain fully functional.



Easy opening
Lower opening forces and an even smoother transition to the feather-light glide improve performance from the moment you open the pull-out.



Quality to the touch
You can feel the increased stability provided by the combination of the optimized drawer side and new front fixing bracket.



Optimized feather-light glide
Components in the drawer side and cabinet profile have been further developed to optimize the feather-light glide of TANDEMBOX and the smooth running action.







Optimized box system

TANDEMBOX has been impressing users with its high ease of use and wide range of available design options for many years. Over the course of the development of TIP-ON BLUMOTION for TANDEMBOX, some of the main functions of the existing system were also optimized and tangibly improved.

Easy assembly

TIP-ON BLUMOTION for TANDEMBOX is the perfect mechanical solution for handle-less furniture in all living areas. Pull-outs and drawers can be implemented in the usual manner.



Watch assembly film:
www.blum.com/
assemblytobtbx







TIP-ON BLUMOTION in the kitchen

Everyday kitchen use places extremely high demands on a piece of furniture's quality of motion. TIP-ON BLUMOTION for TANDEMBOX provides inspiration here with its undeniable ease of use.



TIP-ON BLUMOTION in the living room

TIP-ON BLUMOTION for TANDEMBOX makes it possible to apply modern design concepts in all living areas. Handle-less furniture can be implemented with high ease of use thanks to Blum's innovative motion technology.





TIP-ON BLUMOTION in the bathroom

TIP-ON BLUMOTION also ensures high quality of motion in the bathroom for the lifetime of the furniture. The zinc-plated steel and plastic components offer optimum corrosion protection even in high levels of humidity.





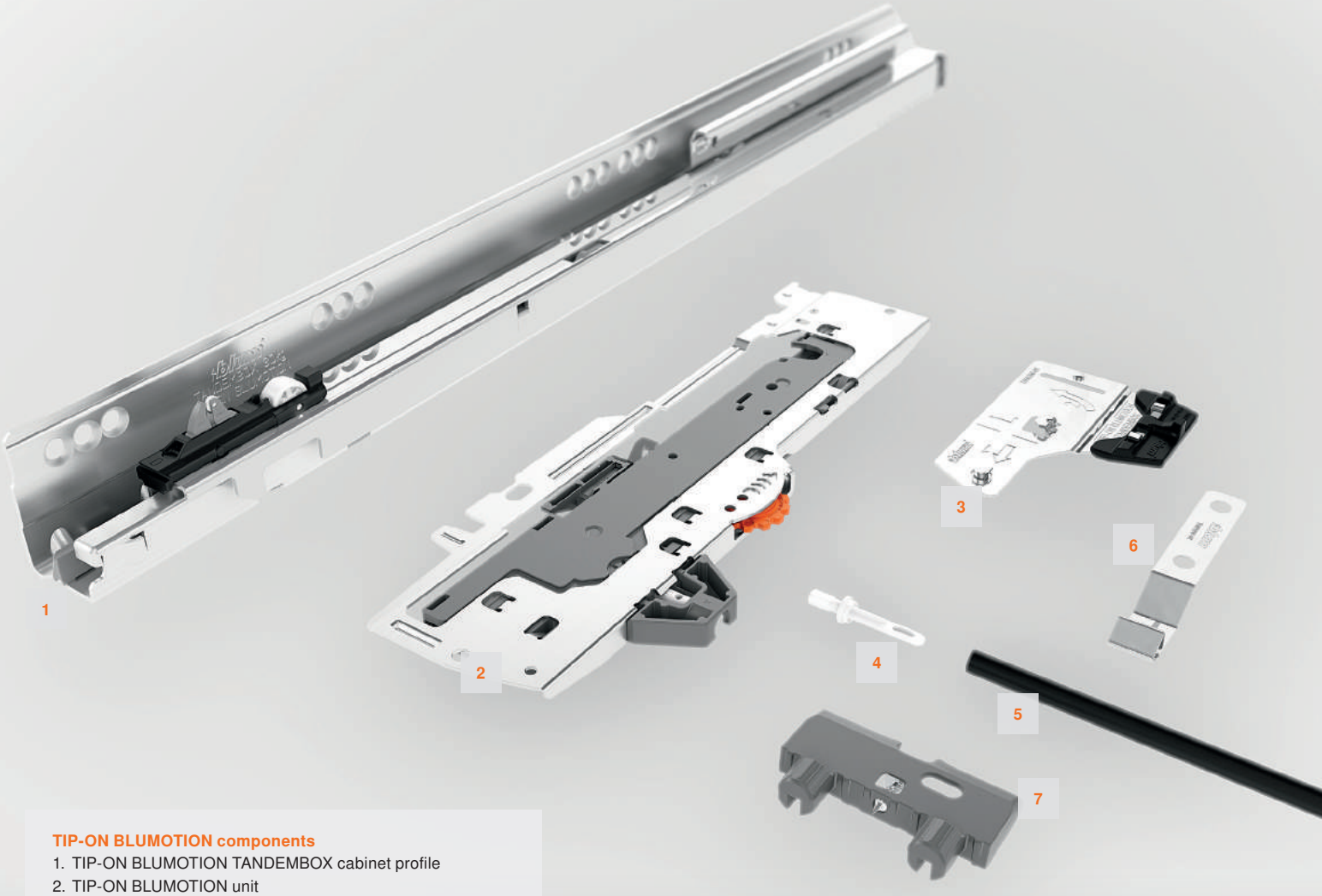


TIP-ON BLUMOTION in the hall

With TIP-ON BLUMOTION for TANDEMBOX, handle-less furniture can be implemented in all living areas, including the hall. With an impressively smooth running action, even high and wide fronts can be opened with just a light touch and close silently and effortlessly.

Well-designed product details

The basis of TIP-ON BLUMOTION is the specially designed TANDEMBOX cabinet profile. Varying nominal lengths and weight ranges can be achieved with different TIP-ON BLUMOTION units. All other components can be used universally. This means that TIP-ON BLUMOTION is a suitable solution for any application.



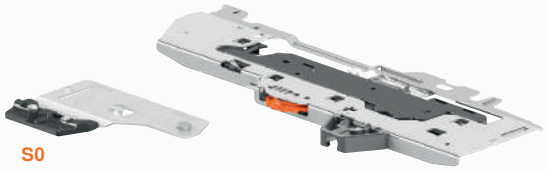
TIP-ON BLUMOTION components

1. TIP-ON BLUMOTION TANDEMBOX cabinet profile
2. TIP-ON BLUMOTION unit
3. TIP-ON BLUMOTION latch
4. TIP-ON BLUMOTION synchronization adapter
5. TIP-ON BLUMOTION synchronization linkage
6. TIP-ON BLUMOTION support for synchronization linkage (required for cabinet widths of 750 mm and above)
7. Base support bracket (required for cabinet widths of 750 mm and above)

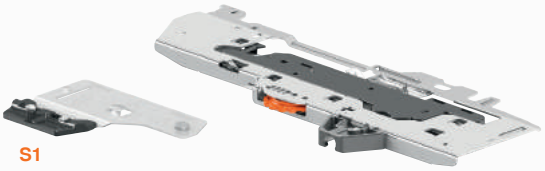
Fittings selection made easy with the online product configurator at www.blum.com/configurator

TIP-ON BLUMOTION units and TIP-ON BLUMOTION latch

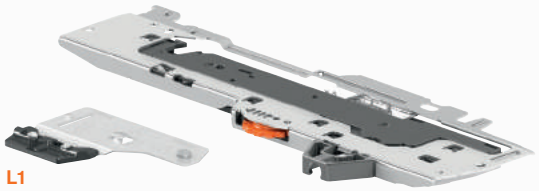
Adjusted for weight ranges and nominal lengths, the TIP-ON BLUMOTION unit is available in designs of varying strengths. For easy differentiation, each version is a different colour. The latch can be universally used for all TIP-ON BLUMOTION units.



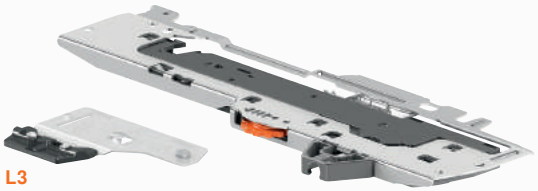
S0
≤ 10 kg
NL 270 mm
White



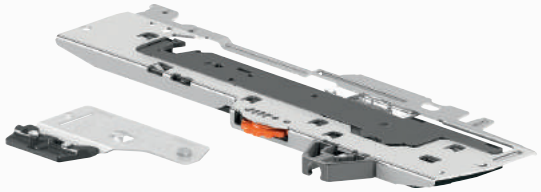
S1
> 10–20 kg
NL 270 mm
Light grey



L1
≤ 20 kg
NL 350–650 mm
Light grey



L3
15–40 kg
NL 350–650 mm
Dust grey

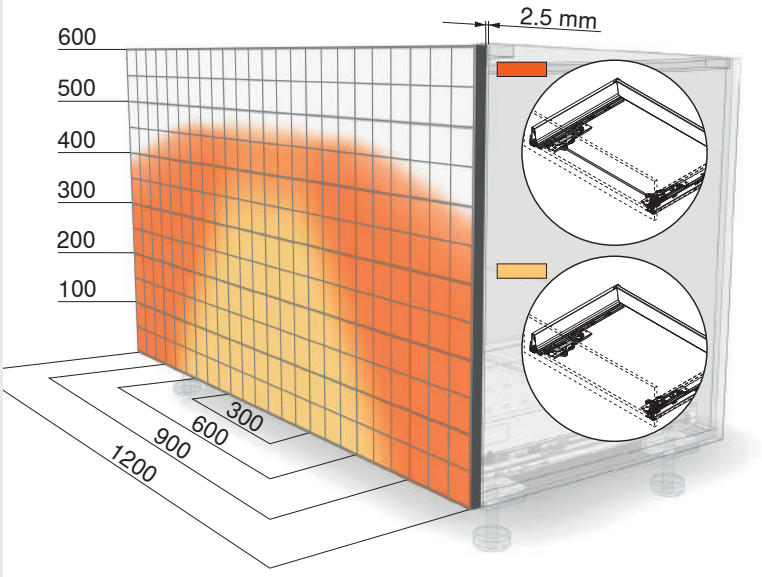


L5
35–65 kg
NL 350–650 mm
Black

NL = Nominal length

TIP-ON BLUMOTION synchronization

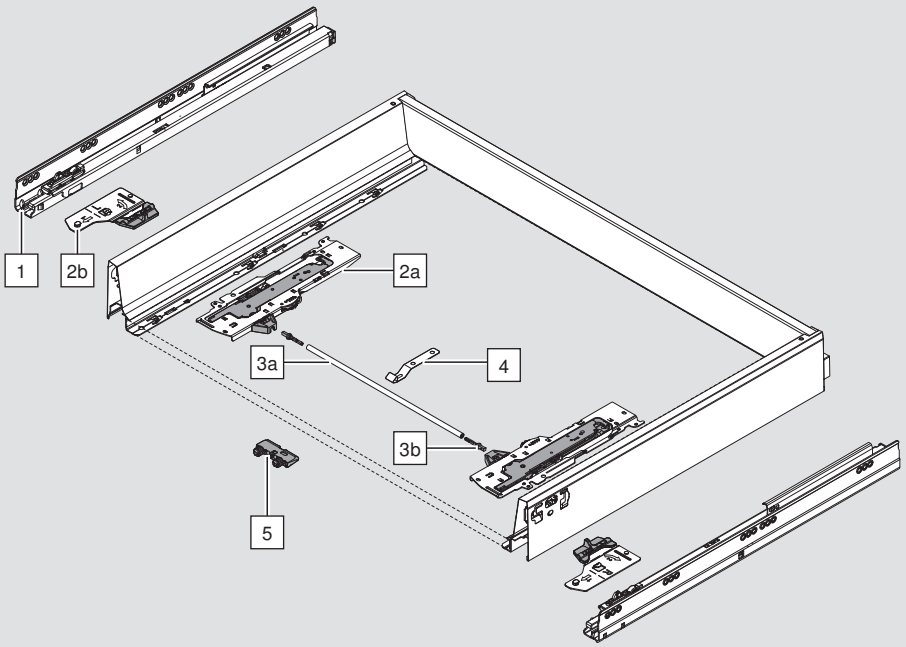
An extensive trigger range is achieved even with a low minimum front gap of just 2.5 mm. To achieve optimal function and to extend the trigger range, we recommend using a synchronization.



Shown in the diagram by way of example for height D, nominal length 500 mm with front stabilizer

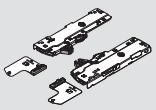
TIP-ON BLUMOTION for TANDEMBOX

Order specification



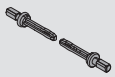
1	TIP-ON BLUMOTION cabinet profile TANDEMBOX left/right		
	**Nominal length (mm)**	**30 kg**	**65 kg**
	270	578.2701M	
	350	578.3501M	
	400	578.4001M	
	450	578.4501M	576.4501M
	500	578.5001M	576.5001M
	550	578.5501M	576.5501M
	600		576.6001M
	650		576.6501M

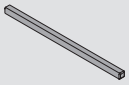
Make the right calculations for your TIP-ON BLUMOTION unit using the product configurator. > www.blum.com/configurator

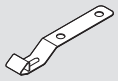
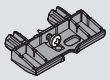
2a + 2b	Set containing TIP-ON BLUMOTION unit and TIP-ON BLUMOTION latch									
				Recommended weight ranges* for an optimum opening and closing function						
	Can be used for nominal length (mm)	**Unit**		**< 10 kg**	**20 kg**	**30 kg**	**40 kg**	**50 kg**	**60 kg**	**65 kg**
	270	S0	T60B3030	≤ 10						
		S1	T60B3130		>10–20					
	350–650	L1**	T60B3330	≤ 20						
		L3	T60B3530			15–40				
		L5	T60B3560					35–65		

* The weight specified here refers to the pull-out with front, with a load inside.

** L1 cannot be combined with heavy load runner (65 kg)

3a	**TIP-ON BLUMOTION round synchronization linkage for cutting to size**	
	Possible with internal cabinet widths ≥ 287 mm	**T60.1125W**
	Suitable for internal cabinet widths of up to 1370 mm	
3b	**TIP-ON BLUMOTION synchronization adapter**	
	Symmetrical, in combination with synchronization linkage, two items required per synchronization linkage, for internal width ≥ 287 mm	**T60.000D**

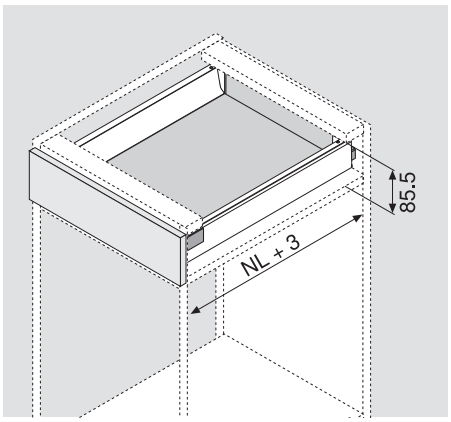
	For narrow internal cabinet widths (alternative to 3a and 3b)	
	TIP-ON BLUMOTION one-part synchronization for cutting to size	
	Symmetrical, no synchronization linkage required, for internal width of 238–286 mm	**T60.300D**

Accessories		
4	**Support for synchronization linkage**	
	Required for cabinet widths ≥ 750 mm	**T60B000H**
	For pull-outs over a cabinet base or cross member	
	Prevents the synchronization linkage from sagging	
5	**Base support bracket**	
	Required for cabinet widths ≥ 750 mm	**Z96.2011**
	For pull-outs over a cabinet base or cross member	
	For supporting the pull-out base	
	Front stabilizer	
	For stabilization of high and wide fronts, two items needed per front.	**Z96.10E1**
	Gap checking/adjustment template for TIP-ON BLUMOTION TANDEMBOX	
	Setting the front gap to 2.5 mm	**65.5627**

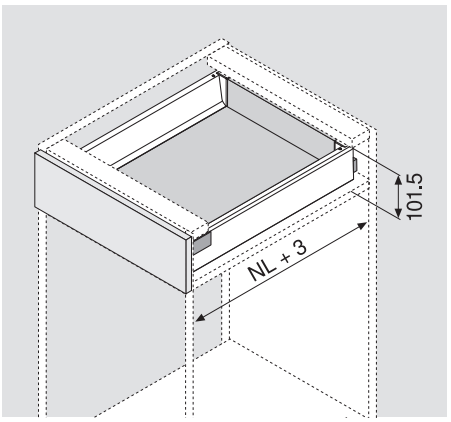
TIP-ON BLUMOTION for TANDEMBOX

Space requirement valid for all TANDEMBOX programme lines

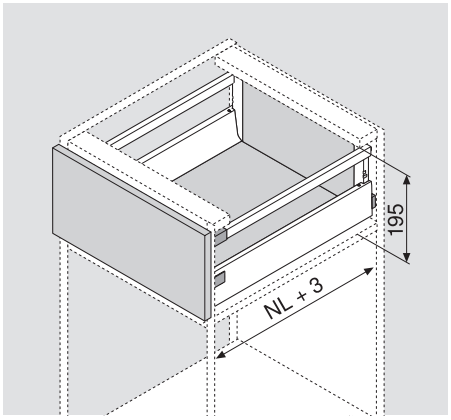
Drawer, height N



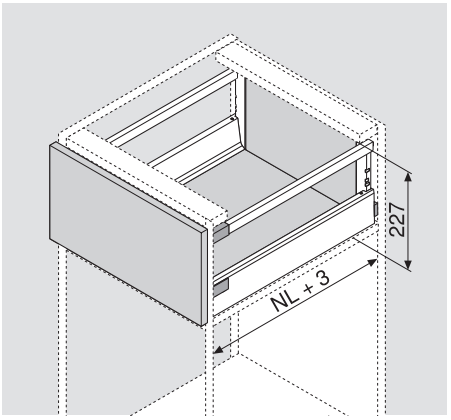
Drawer, height M



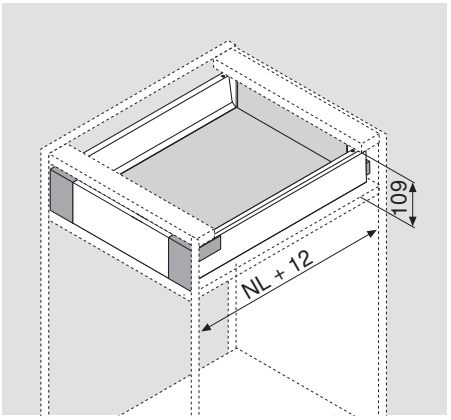
High fronted pull-out, height C



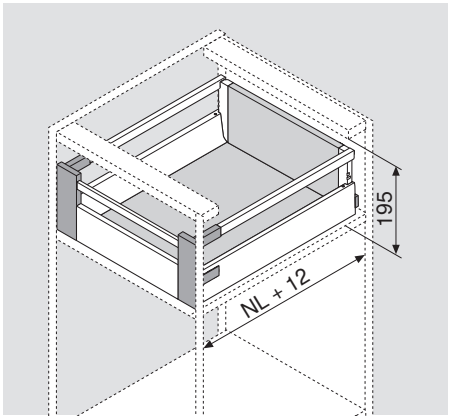
High fronted pull-out, height D



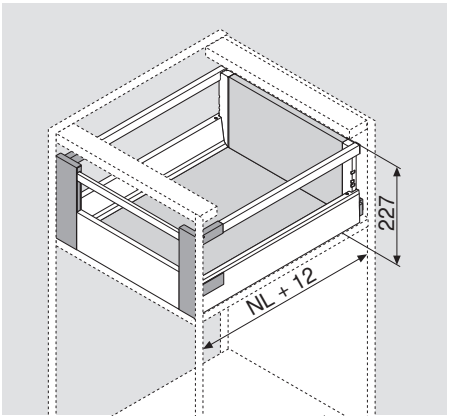
Inner drawer, height M



Inner pull-out, height C



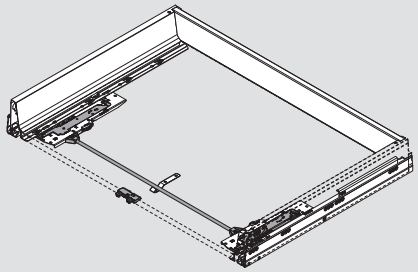
Inner pull-out, height D



NL = nominal length

Note: The space requirement for TIP-ON BLUMOTION is different to that for BLUMOTION

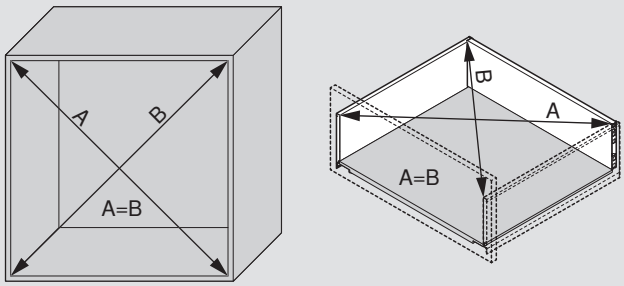
TIP-ON BLUMOTION for TANDEMBOX



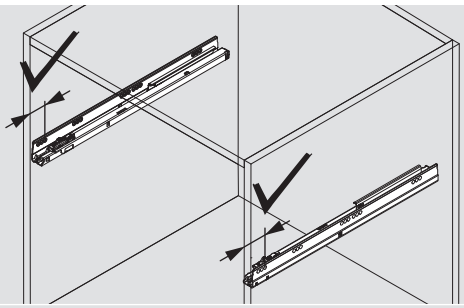
- The following planning graphics are shown by way of example for a TANDEMBOX drawer with height M.

For more information on TIP-ON BLUMOTION
www.blum.com/tiponblumotion

Furniture construction

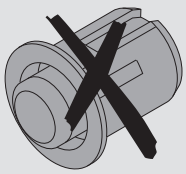


To ensure a front gap of at least 2.5 mm, precise manufacturing is required, so it should be ensured that planned measurements and angle accuracy are adhered to.



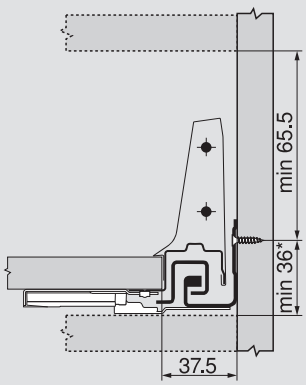
Observe exact depth position of both cabinet profiles.

Front assembly – do not install bumpers

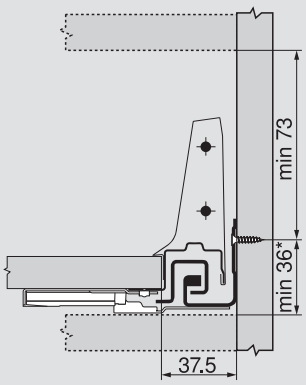


Bumpers should not be installed for TIP-ON BLUMOTION!

Space requirements in the cabinet – drawer



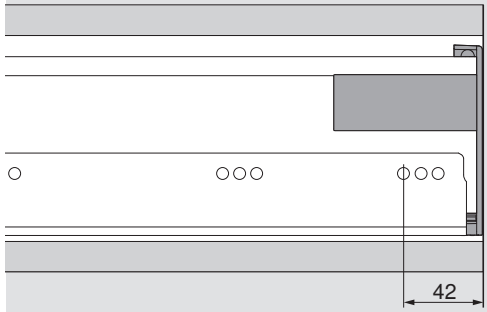
Space requirements in the cabinet – inner drawer



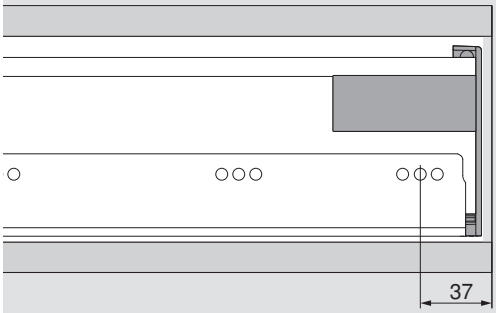
* For 36–39 mm: Bear in mind the position of the cabinet levelers, support for synchronization linkage and base support bracket required for cabinet widths of 750 mm and above (see page 31 and 32), in order to prevent a collision between the synchronization linkage and the cabinet base or cross member.
A trial application is recommended.

Screw position, TIP-ON BLUMOTION for inner drawers and inner pull-outs

Variant 1

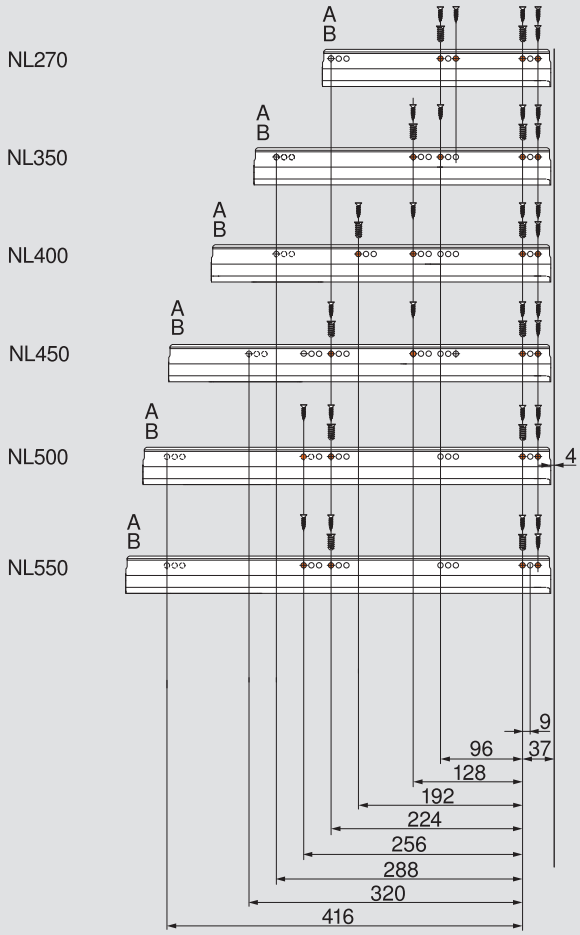


Variant 2



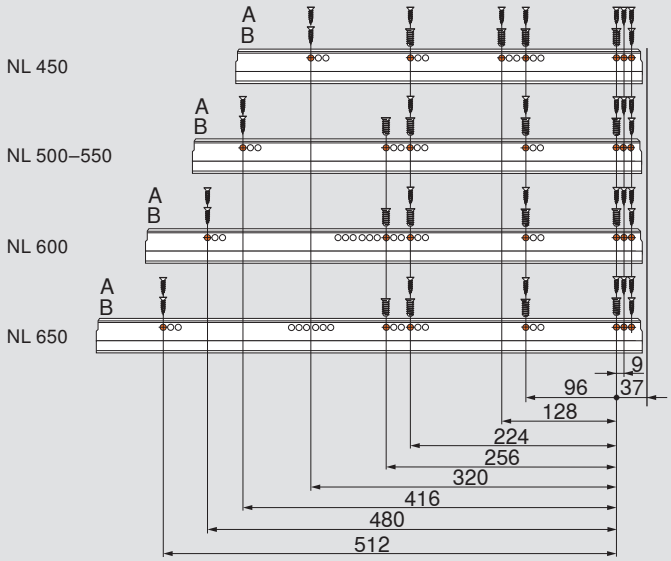
Cabinet profile screw position – 30 kg

Nominal length NL (mm)



Cabinet profile screw position – 65 kg

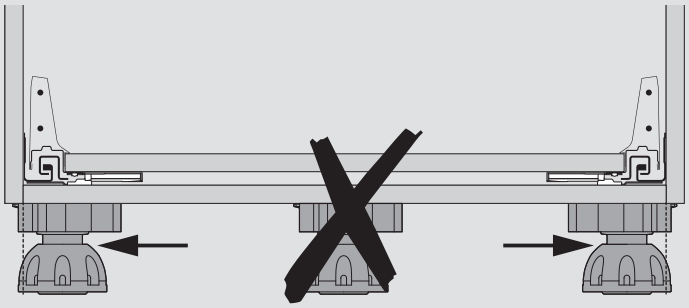
Nominal length NL (mm)



Fixing onto cabinet

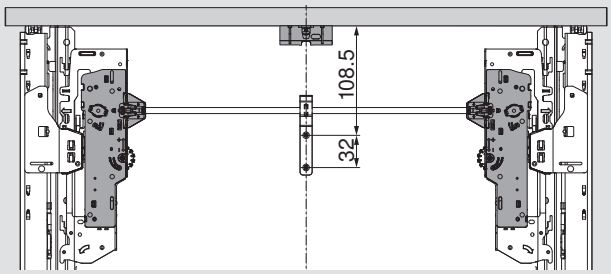
A	Chipboard screwØ 3.5 x 15 mm	
B	System screw	661.1450.HG

Cabinet leveler



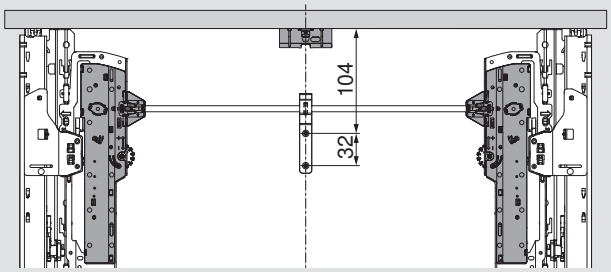
Support for synchronization linkage

Required for cabinet widths ≥ 750 mm



Technical overview

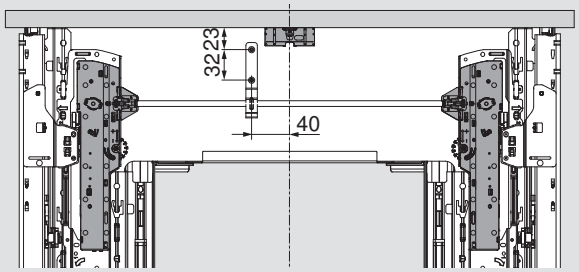
TIP-ON BLUMOTION units S0, S1 (NL < 350 mm)



TIP-ON BLUMOTION units L1, L3, L5 (NL ≥ 350–650 mm)

Support for synchronization linkage in sink cabinets

Required for cabinet widths ≥ 750 mm

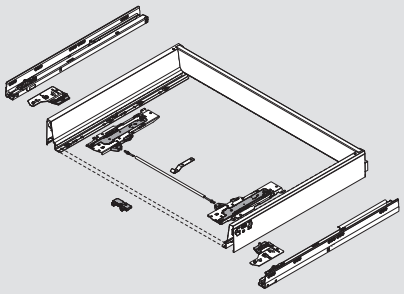


TIP-ON BLUMOTION units L1, L3, L5 (NL ≥ 350–650 mm)

Fixing onto cabinet

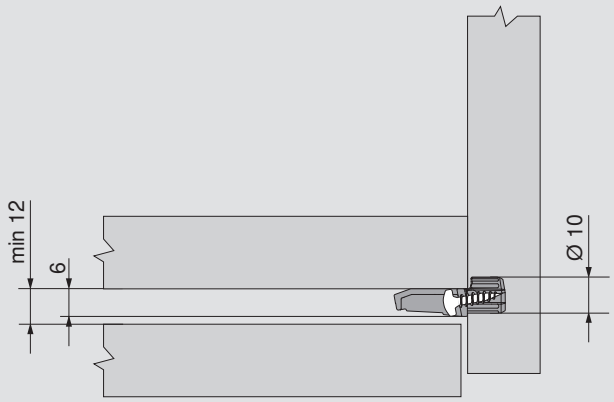
Chipboard screwØ 3.5 x 15 mm

Base support bracket

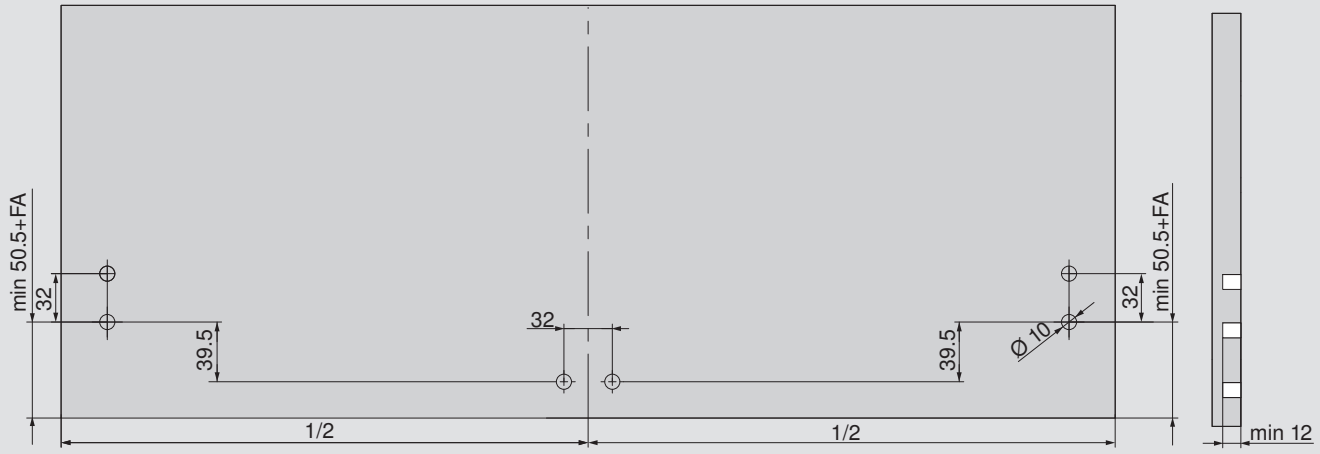


- For supporting the pull-out base
- Required for cabinet widths ≥ 750 mm
- For pull-outs over a cabinet base or cross member

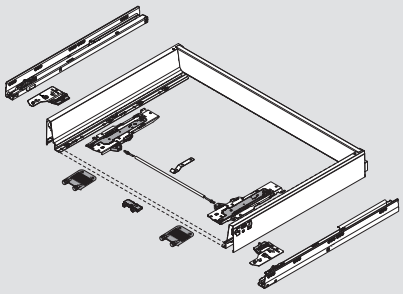
Space requirements in the cabinet – base support bracket



Drilling distance in the front – base support bracket

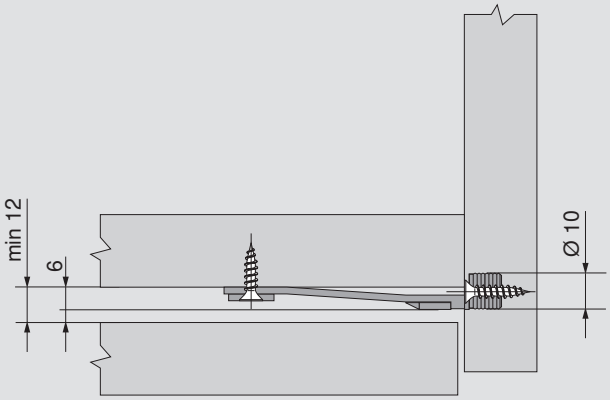


Front stabilizer

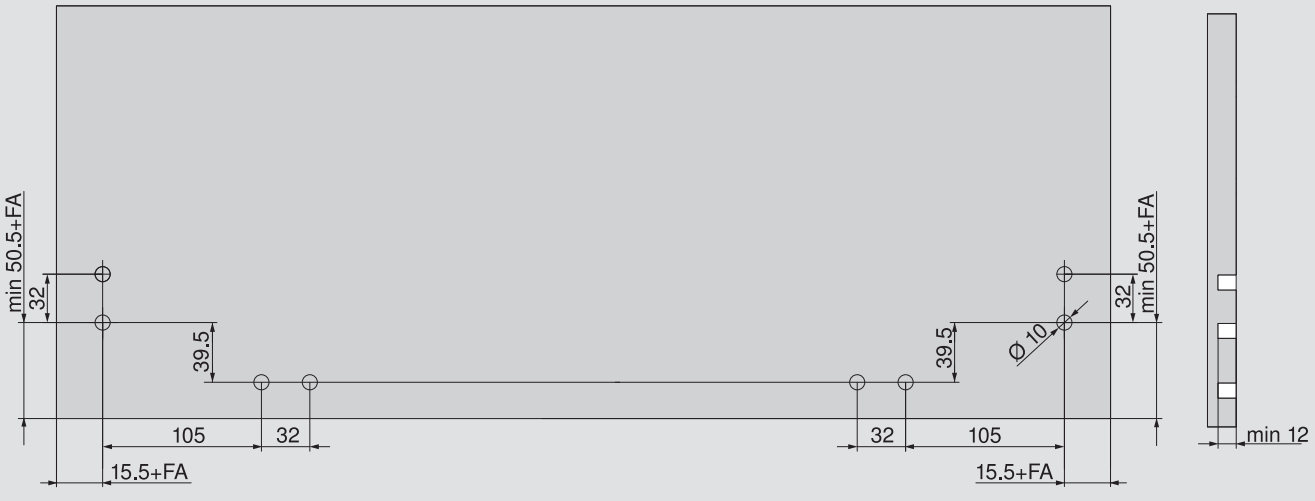


- For stabilizing wide and high fronts
- Reinforces the connection between the drawer side and the front

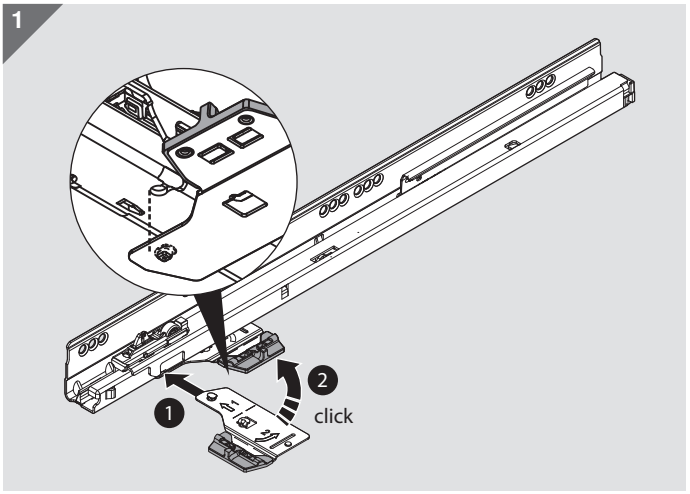
Space requirements in the cabinet – front stabilizer

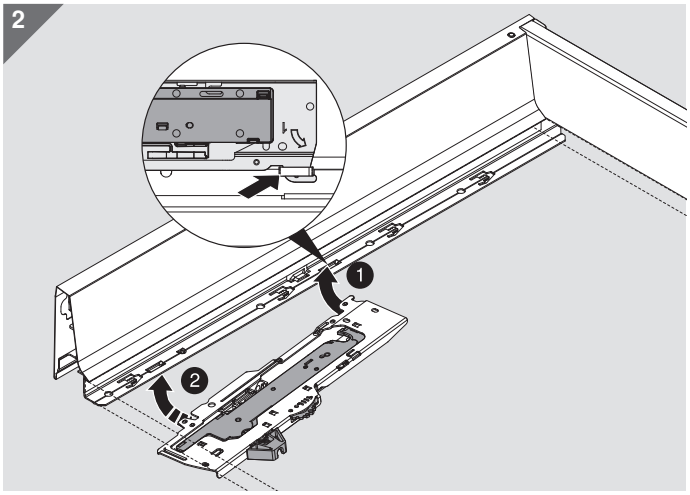


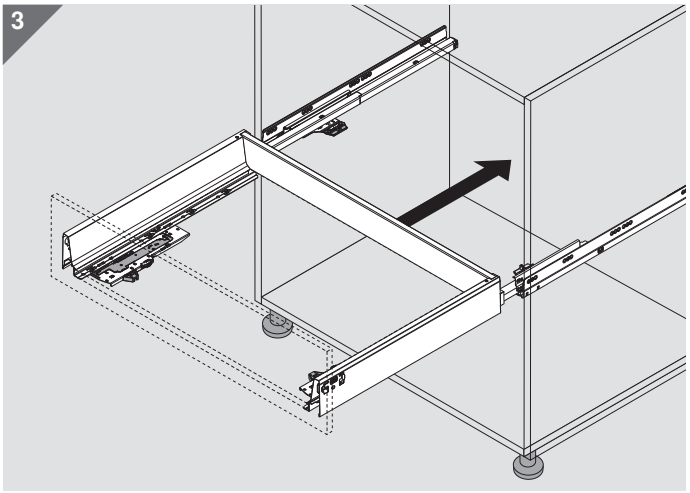
Drilling distance in the front – front stabilizer



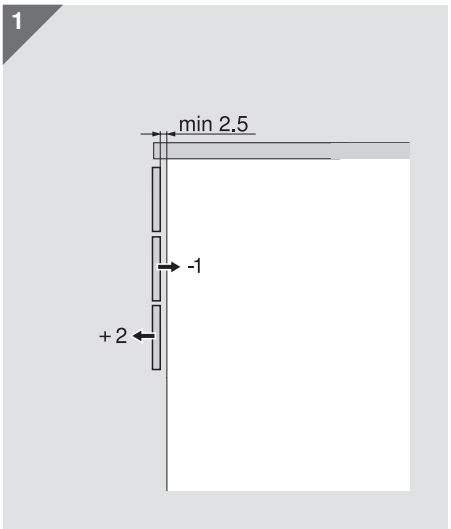
TIP-ON BLUMOTION

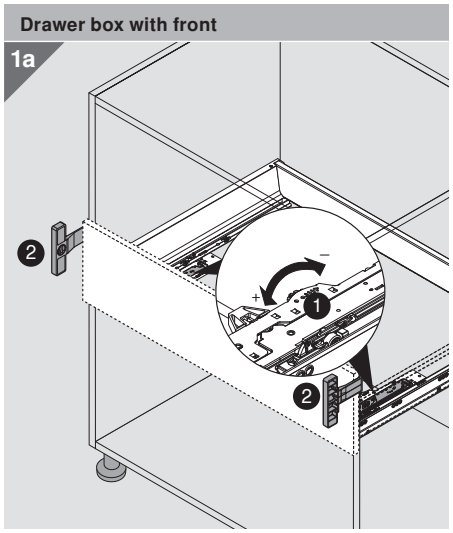


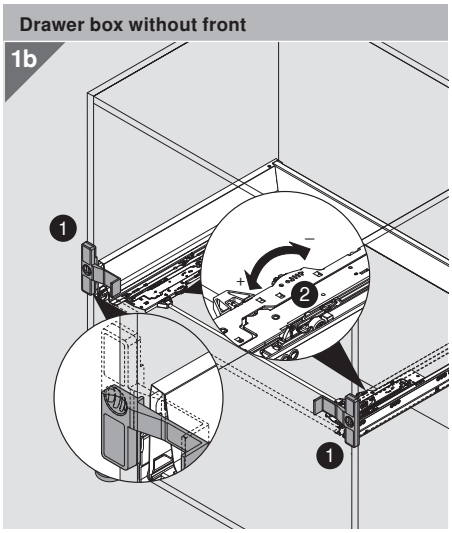




Depth adjustment





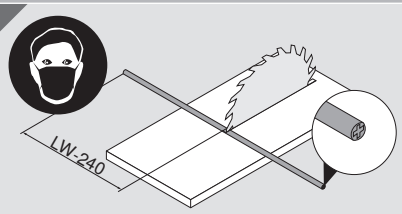


Adjust identically on each side to a minimum of 2.5 mm

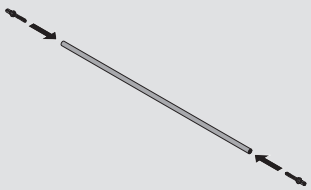
Synchronization

For LW ≥ 287 mm

1a

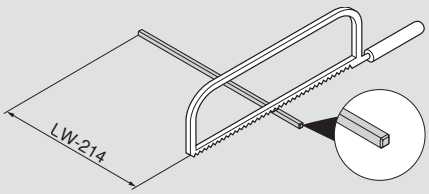


1b

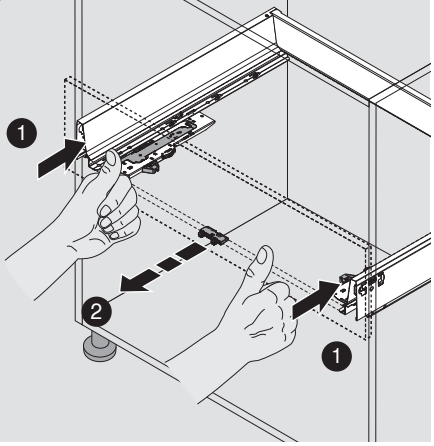


For LW 238–286 mm

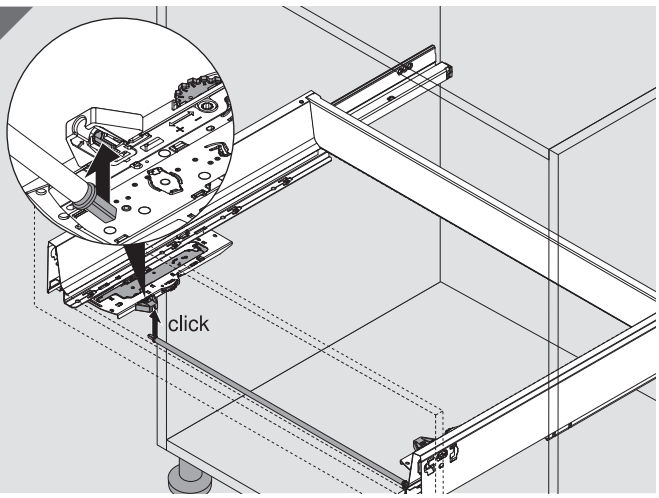
1c



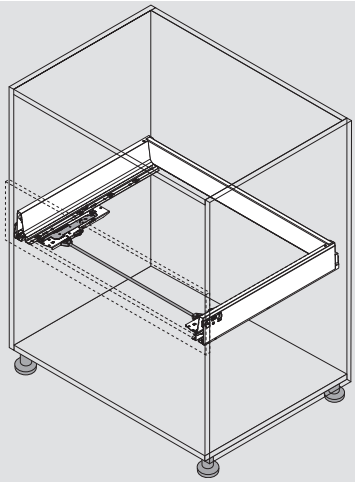
2



3

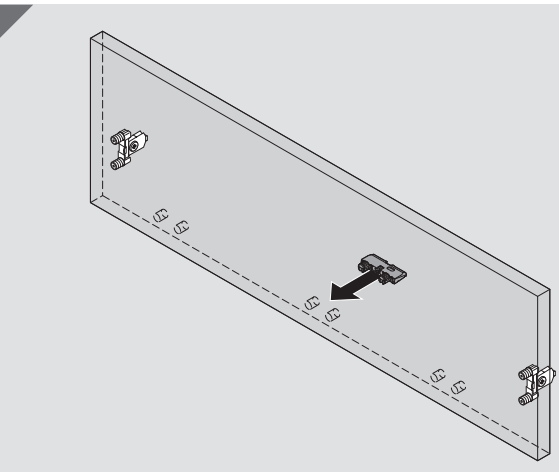


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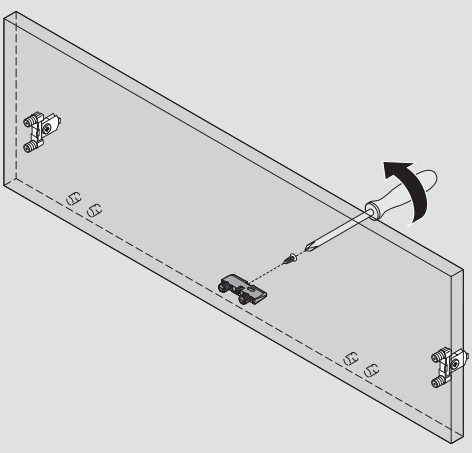


Base support bracket required for cabinet widths of 750 mm and above

1



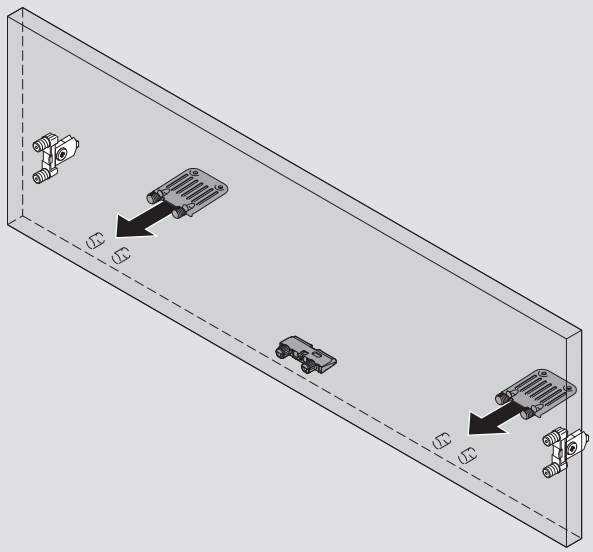
2



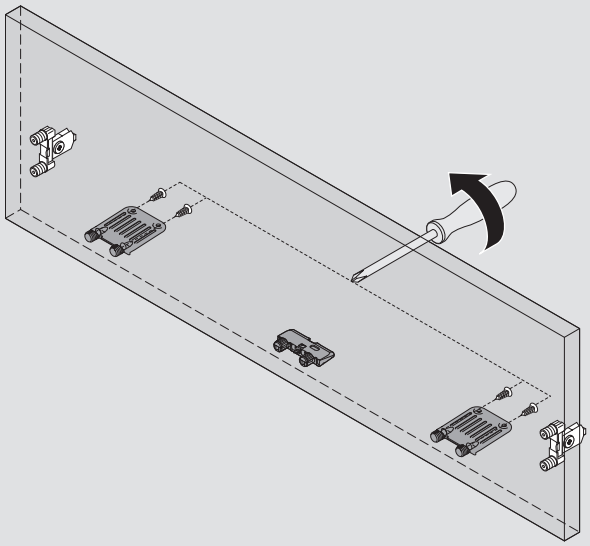
LW Internal cabinet width

Front stabilizer for stabilizing wide and high fronts

1

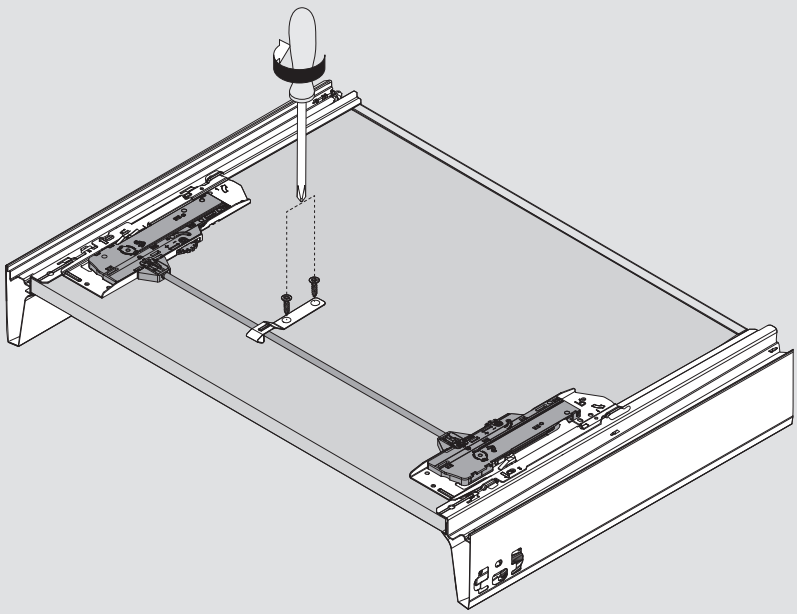


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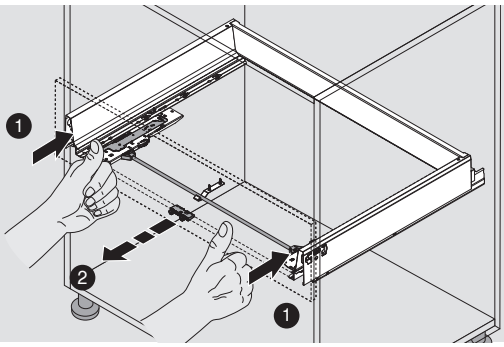


Support for synchronization linkage required for cabinet widths of 750 mm and above

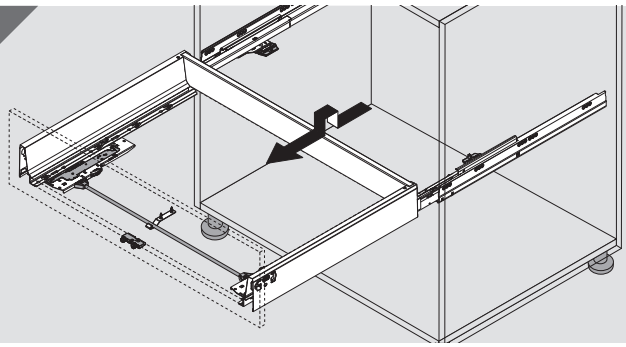
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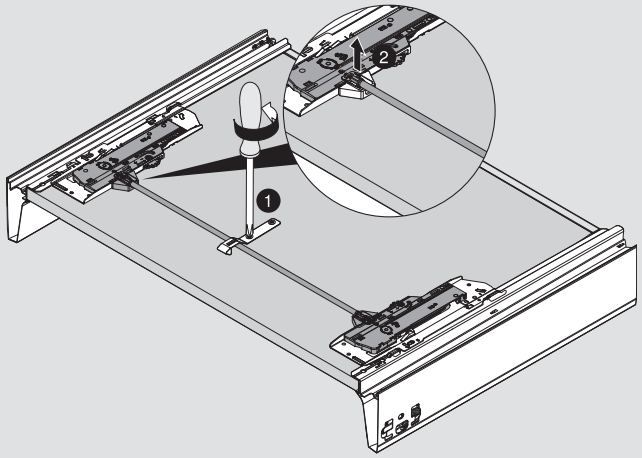
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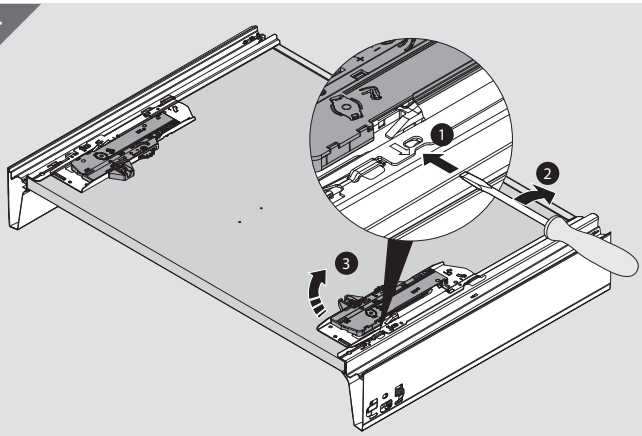
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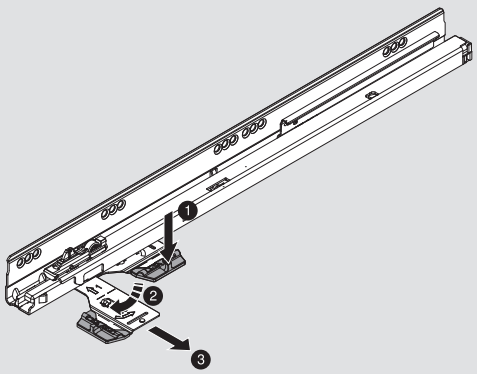
3



4

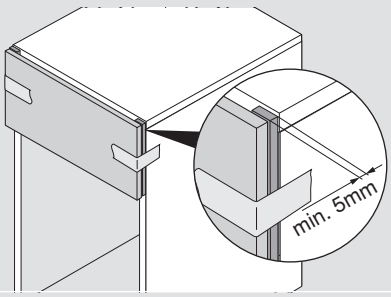


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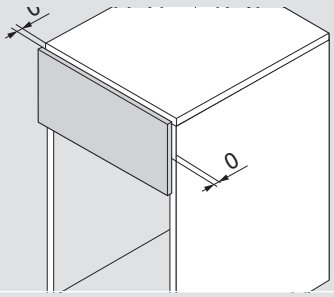


Transportation

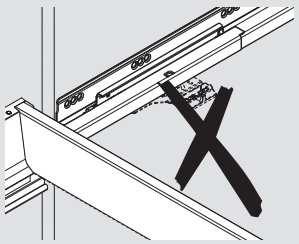
To prevent damage to pre-assembled furniture during transportation:



a) clamp an insert between front and cabinet or



b) adjust the front gap to 0 mm or



c) transport without latch.



Blum

Founded over 60 years ago by Julius Blum, today Blum is an internationally active family-owned company. Its strategic business segments include lift, hinge and pull-out systems. All our product developments focus on perfecting motion.

www.blum.com



Blum in Austria and around the world

The company has seven plants in Vorarlberg, Austria, additional production sites in Poland, the USA and Brazil and 28 subsidiaries/representative offices. Blum supplies more than 120 markets. The Blum Group employs 6.900 people in total, 5.300 of whom work in Vorarlberg.



Global customer benefits

"Whether manufacturer, distributor, fitter or kitchen user – everybody should personally enjoy the benefits of Blum products" – that is Blum's philosophy on global customer benefits.



Innovations

To support customers with innovative fittings solutions and secure long-term success for the company, we need to consistently invest in research and development, in plants and facilities and in employee training. With more than 2,600 patents worldwide, Blum is one of Austria's most innovative companies.



Quality

At Blum, the comprehensive concept of quality does not only apply to products. Services and our cooperation with customers and partners should also meet the same quality requirements.

ISO 9001
Certified Quality System



Environment

At Blum, we believe that responsible ecological behaviour has long-term economic benefits. The longevity of products is just one of many important aspects. Other important measures include the use of environmentally friendly processes, the intelligent use of materials and prudent energy management.

ISO 14001
Certified Environmental System

ISO 50001
Certified Energy System



DYNAMIC SPACE

Good workflows, optimum use of storage space and high quality of motion are important features of a practical kitchen. Blum's ideas for practical kitchen are designed to bring function, convenience and ergonomics to furniture interiors.

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