



BLUMOTION for doors

The new side of perfect motion

Perfecting motion  **blum**®

Silent and effortless closing displays a new side of itself



With BLUMOTION, your customers will simply love the way their furniture doors close silently and effortlessly day in and day out. A fascinating added-value that has already become a firm benchmark in TANDEM and TANDEMBOX pull-outs.

BLUMOTION is now displaying a new side of itself – the hinge side. BLUMOTION can now be quickly integrated into cabinets with doors. It will work for almost any application and does not require any change to the hinge assembly.

BLUMOTION redefines the term; quality of motion. The system is quick and easy to install and, once fitted, creates a perfect closing motion. The effect is truly inspiring.



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The Blum brand

The adaptive system – controlling perfect motion



- ▶▶ Even doors that are closed with force ...
- ▶ are brought to a gentle halt ...
- ◻ and close silently and effortlessly.



Exceptional comfort through a highly adaptive system.

BLUMOTION's intelligent adaptive system reacts automatically to important factors such as door size, door weight and closing speed, and then brakes the motion of the door accordingly. The result is perfect closing motion every time. Silent and effortless.



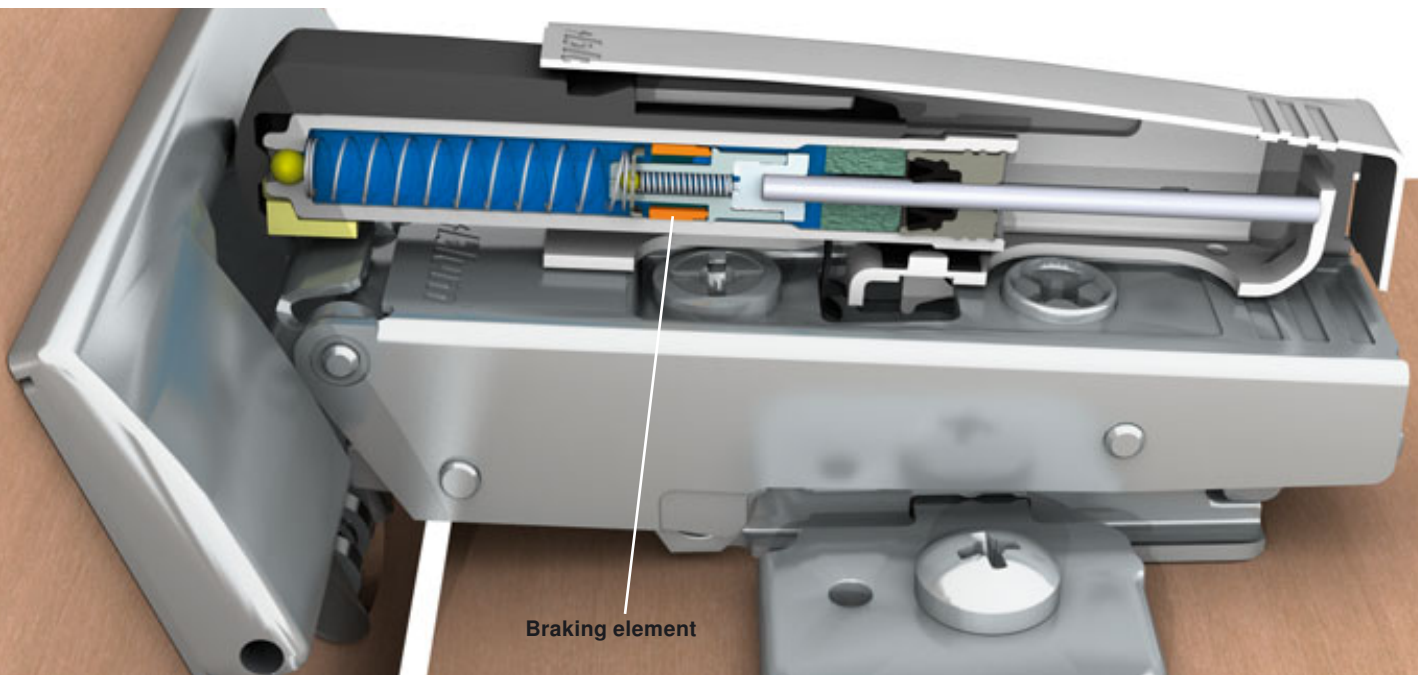
A look behind the scenes at the BLUMOTION adaptive system:

The braking element expands according to the force and this regulates the travel speed of the mechanism.

This technology enables BLUMOTION to adjust itself automatically to the each door size, weight and closing speed.

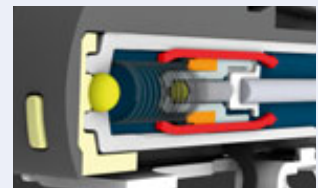
- Perfect closing motion everytime due to adaptability.

- The integrated overload safety feature protects the BLUMOTION system & hinge from damage through abuse.
- BLUMOTION lasts the lifetime of the furniture – ensuring that your customers remain satisfied.

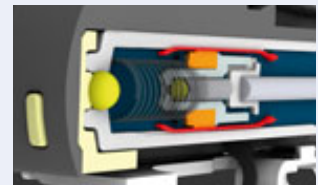


This is how the adaptive system works

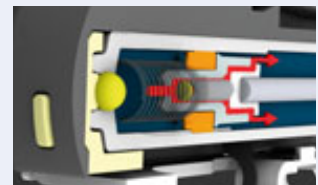
Slow closing speed: The braking element expands slightly generating only modest resistance to the flow. The BLUMOTION effect is controlled via the flow speed and, in this case, remains low.



Fast closing speed: The braking element expands which constricts the flow channel to create greater resistance. This results in a strong BLUMOTION effect.



Closing speed that is too fast: The overload safety feature kicks in. The excessive force is diverted using an additional flow channel and both BLUMOTION and the hinge are protected from damage.



**CLIP top with BLUMOTION –
Ground breaking function behind an attractive design**





BLUMOTION satisfies the same high design standards that we set for our hinges.

CLIP top and BLUMOTION 973A work in perfect harmony - integrating both style and technology into one high-quality unit. This successful combination creates a door closing action that simply has to be experienced.



reddot design award
winner 2006

Added value that benefits everyone

BLUMOTION 973A can be installed at any point during the production and sales process. This means that everyone – from manufacturer to dealer and retailer all the way to the end customer – can make the decision at any time whether or not they want to profit from the added value of the new BLUMOTION technology.



Manufacturing: Ideally doors should be equipped with BLUMOTION during the manufacturing process. In one simple work step the mechanism is attached onto the CLIP top or CLIP hinge.

Hinge and plate drilling depths and positions remain unchanged therefore there are no additional set-up costs.

Benefit: BLUMOTION, combined with Blum's well established quality, gives the consumer new benefits and peace of mind. Each time a door is closed they will be reminded of the exceptional quality of their furniture.



Sales: Even if BLUMOTION is left out of the furniture manufacturing process, it is still not too late to add it further down the distribution chain. Thanks to BLUMOTION 973A's easy assembly feature, you can surprise and inspire your customers during sales discussions. Your customers will be unable to resist once they have experienced a practical demonstration of the perfect motion.



Assembly: The consumer still has the option to include perfect motion even when the furniture is in their house. BLUMOTION 973A can be simply attached on to the pre-assembled hinges. In next to no time the transformation is complete!



Quality of motion for all applications



Whether in the kitchen, hall, bathroom, living room or bedroom – **BLUMOTION** is at home anywhere in the house. The perfect motion creates a sense of quality and comfort in all areas of everyday life.



BLUMOTION 973A for CLIP top and CLIP hinges

BLUMOTION 973A is suitable for nearly all applications and available for every hinge arm type – whether straight, 1/2 cranked or fully cranked. Naturally, the CLIP function of the hinge remains intact when BLUMOTION is added.



BLUMOTION 973A – Retrofit

BLUMOTION 973A, in combination with CLIP and CLIP top hinges, is the ideal solution for perfect door motion. Assembly and removal can be carried out by hand.

- Easily assembles on to the hinge arm
- CLIP function remains intact when BLUMOTION is added
- Tool-free removal enables you to make hinge adjustments

For normal door sizes, one BLUMOTION 973A per hinge is required for that perfect motion. For smaller, lighter doors, the number can be reduced accordingly.



For hinges with a straight hinge arm

- CLIP top 107°
- CLIP top 120°
- CLIP top 120° special
- CLIP top profile door
- CLIP top 95° aluminium frame
- CLIP top 120° aluminium frame

- CLIP 100°

Part No.



For hinges with a 1/2 cranked hinge arm

- CLIP top 107°
- CLIP top 120°
- CLIP top profile door
- CLIP top 95° aluminium frame
- CLIP top 120° aluminium frame

- CLIP 100°

Part No.

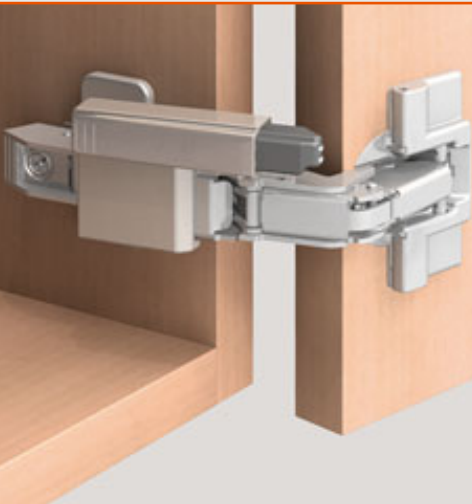
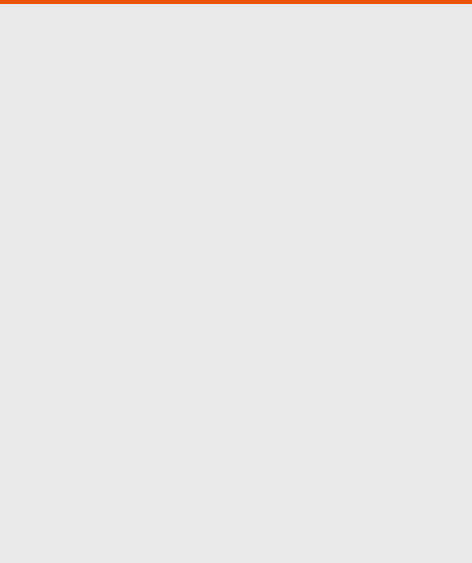


For hinges with a fully cranked hinge arm

- CLIP top 107°
- CLIP top profile door
- CLIP top 95° aluminium frame

- CLIP 100°

Part No.



For wide angle hinges with a straight or 1/2 cranked hinge arm

- CLIP top 170° – straight arm
- CLIP top 170° – cranked
- CLIP top 155° 0-protrusion hinge

Part No.

Start of delivery 4th quarter 2006



For angled hinges

- CLIP top +45° I half overlay (79A96X8XT)
- CLIP top +45° II overlay (79T55X0X)
- CLIP top +30° II overlay (79A95X7XT)

Part No.

Start of delivery 4th quarter 2006



For CRISTALLO glass and mirror doors

Part No.

BLUMOTION 971A – in adapter plate for overlay application



BLUMOTION 971A can be used with CLIP top glass door or mini hinges as well as with all other „straight arm“ hinges.

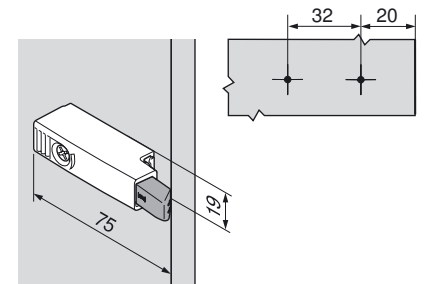
For optimal BLUMOTION effect, it should be attached centrally between the hinges.

For high and heavy doors, we recommend using an additional BLUMOTION 971A between an additional hinge pair. Door gap adjustment needs to be replicated on the 971, this is easily achieved via a spiral screw depth adjustment feature (+3/-7 mm).



BLUMOTION 971A With an in-line base assembly

- Assembly using chipboard screws \varnothing 3 mm or \varnothing 4 mm
- Material: Zinc, nickel plated



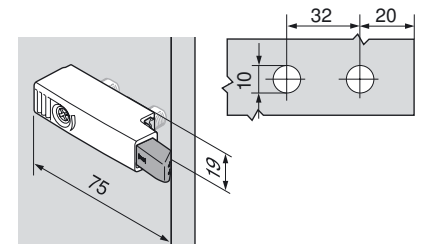
Part No.

Constr. height 25 mm
Constr. height 33 mm



BLUMOTION 971A With an in-line base assembly

- Knock-in
- Material: Zinc, nickel plated



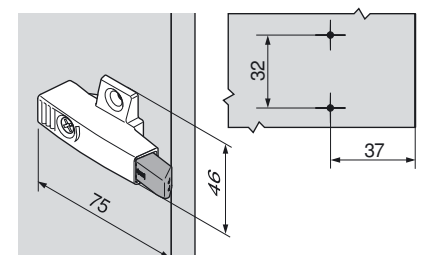
Part No.

Constr. height 25 mm
Constr. height 33 mm



BLUMOTION 971A With a cruciform base assembly (37/32)

- Assembly using chipboard screws \varnothing 3 mm or \varnothing 4 mm
- Material: Zinc, nickel plated



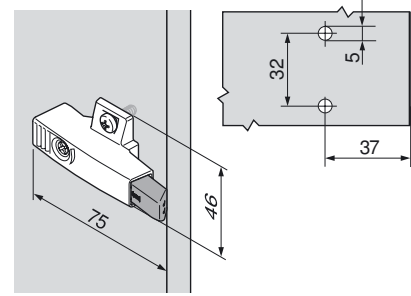
Part No.

Constr. height 25 mm
Constr. height 33 mm



BLUMOTION 971A
With a cruciform base assembly
(37/32)

- Assembly using pre-mounted special screws with split dowels (EXPANDO)
- Material: Zinc, nickel plated



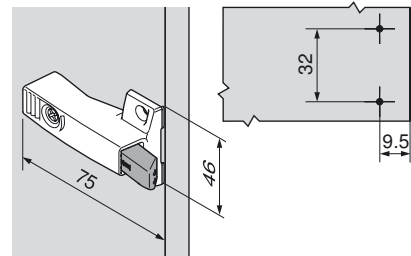
Part No.

Constr. height 25 mm
 Constr. height 33 mm



BLUMOTION 971A
With a cruciform base assembly
(9.5/32)

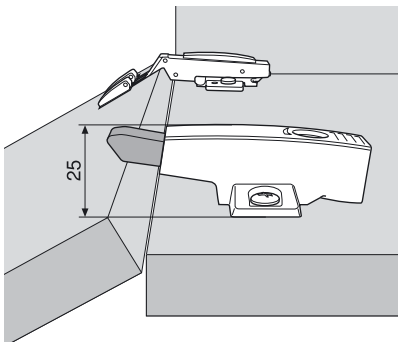
- Assembly using chipboard screws \varnothing 3 mm or \varnothing 4 mm
- Material: Zinc, nickel plated



Part No.

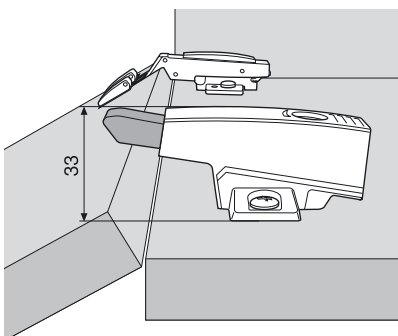
Constr. height 25 mm
 Constr. height 33 mm

Construction height 25 mm



For all hinges with a straight hinge arm and a 0 mm spaced mounting plate.
 Exception: Profile door hinge 95°.

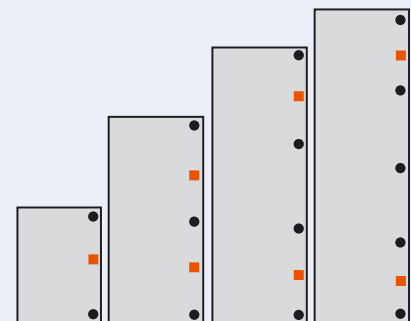
Construction height 33 mm



For all hinges with a straight hinge arm and a 3 mm spaced mounting plate.
 Including: Profile door hinges 95° and a 0 mm spaced mounting plate.

Assembly positions

The following figures provide the recommended BLUMOTION 971A assembly positions for doors with two or more hinges.



- BLUMOTION 971AXXXX
- Hinges

BLUMOTION 970A – for drilling

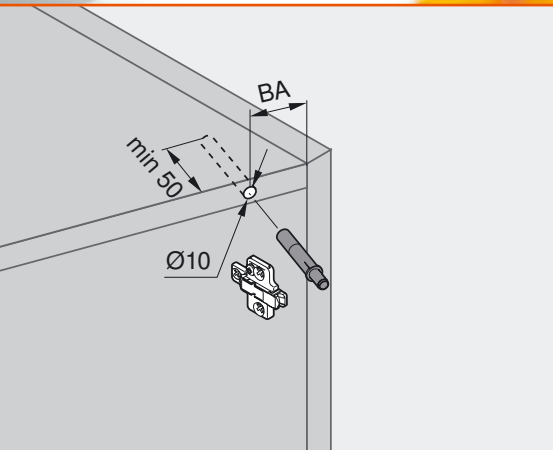


BLUMOTION 970A

BLUMOTION 970A is located onto the hinge side, and produces the same perfect motion – even for angled hinges. The BLUMOTION 970A should be inserted into a pre-drilled hole, located in the cabinet top panel. The correct position is set using the drilling distance (BA).

If the BLUMOTION effect, on a particular door width, is insufficient, we recommend installing an additional BLUMOTION 970A to the bottom panel.

We recommend BLUMOTION 973A or BLUMOTION 971A for exceptionally heavy or high cabinet doors.



Drilling distance

The following table provides the corresponding drilling distance for each angled application.

Drilling distance (BA) in mm

N° 12	54
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Angled application



Part No.



Drilling jig

A special drilling jig is available for BLUMOTION 970A assembly. The jig is designed to quickly locate the correct installation positions for both top and bottom panels and is suitable for every application.

Part No.



Cruciform adapter plate

Inline adapter plate

Adapter plates

BLUMOTION adapter plates 970.XXXX are required for the following applications:



Inset application



Angled application, inset







Angled application, mitered

When dealing with narrow top rails or larger door gaps, we recommend using an adapter plate.

Part No.
(see catalogue)






Standard application

		BA in mm		BA in mm		BA in mm		BA in mm
	0 mm	32	0 mm	41	0 mm	50		
	3 mm	35	3 mm	44	3 mm	53	3 mm	51
	6 mm	38	6 mm	47				
	9 mm	41	9 mm	50				

MD: Mounting plate spacing

BA: Drilling distance

Angled application

		BA in mm		BA in mm		BA in mm		BA in mm		BA in mm
	Nº 25	48	Nº 54	48	Nº 10	41	Nº 45	33	Nº 61	45
	Nº 24	48	Nº 53	48	Nº 9	41	Nº 44	33	Nº 60	45
	Nº 23	48			Nº 8	41	Nº 43	33		
	Nº 22	48	Nº 52	48	Nº 7	41	Nº 42	33	Nº 59	45
	Nº 21	48	Nº 51	48	Nº 6	41	Nº 41	33	Nº 58	45
	Nº 20	48	Nº 50	48	Nº 5	37	Nº 40	33	Nº 57	45
	Nº 19	48	Nº 49	48	Nº 4	37	Nº 39	33	Nº 56	45
	Nº 18	48	Nº 48	48	Nº 3	33	Nº 38	33	Nº 55	45
	Nº 17	48	Nº 47	48	Nº 2	33	Nº 37	33		
	Nº 16	37	Nº 46	37	Nº 1	33	Nº 36	33		
	Nº 15	48					Nº 35	37		
	Nº 14	54					Nº 34	33		
	Nº 13	54					Nº 33	33		
	Nº 12	54					Nº 32	37		
	Nº 11	54					Nº 31	33		
							Nº 30	33		
							Nº 29	37		
							Nº 28	37		
							Nº 27	37		
							Nº 26	45		




































































	Nº 105	33			Nº 102	33		
	Nº 104	33			Nº 101	33		
	Nº 103	33			Nº 100	33		
	Nº 106	37			Nº 107	37		

Glass door

	Nº 76	48			Nº 68	45		
	Nº 75	48			Nº 67	45		
	Nº 74	48						
	Nº 73	48			Nº 66	37		
	Nº 72	54			Nº 65	37		
	Nº 71	54			Nº 64	45		
	Nº 70	48			Nº 63	33		
	Nº 69	48			Nº 62	37		

	Nº 99	48	Nº 91	48	Nº 83	48		
	Nº 98	48	Nº 90	48	Nº 82	45		
	Nº 97	48	Nº 89	48				
	Nº 96	48	Nº 88	45	Nº 81	37		
	Nº 95	48	Nº 87	48	Nº 80	37		
	Nº 94	48	Nº 86	48	Nº 79	45		
	Nº 93	48	Nº 85	48	Nº 78	33		
	Nº 92	48	Nº 84	48	Nº 77	37		

BLUMOTION overview

Hinge		Application	Application										
													
 120°		Standard door											
 120°		Standard door special											
 107°		Standard door											
 100°		Standard door											
 170°		Standard door											
 155°		0-protrusion hinge											
 95°		Profile door											
 95°		Blind corner											
 95°		Alu frame door for BLUMOTION											
 120°		Alu frame door for BLUMOTION											
 125°		CRISTALLO											
 94°		Glass door											
 94°		Mini											
 40° 45° 50° 110°		Angled hinge +45° I, +45° II, 30° II											
 40° 45° 50° 95°		Angled hinge remaining types											



recommended

possible

Perfecting motion

Reliable, safe, competent

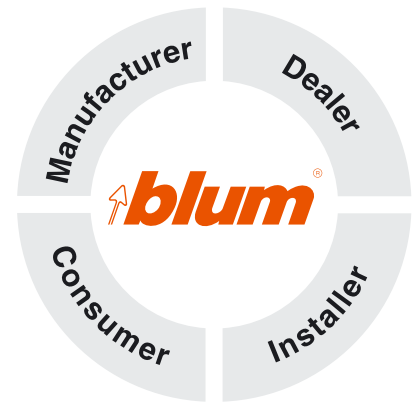
Blum is the reliable and competent partner for you: With the right products, useful services and experienced people.

The wants and needs of our customers represent the driving force for our business.

By engaging in dialogue together we discover new opportunities to perfect motion.

In this way, we can optimise and upgrade our products and services for our customers around the globe – thus benefiting everyone: Furniture manufacturers, furniture sellers, furniture installers and furniture buyers.

Our long established philosophy is to provide real advantages to each of our customers (throughout the supply chain).



Blum innovations have become milestones in furniture hardware manufacturing. Helping you to provide high quality furniture and inspiration for your customers, through a partnership of design and function.



Our goal is to make opening and closing furniture a truly emotional experience.

“Perfecting motion” is our motto. It incorporates everything that is the best about the Blum brand.



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The Blum logo consists of a stylized white arrow pointing upwards and to the right, followed by the word 'blum' in a bold, lowercase, sans-serif font. A registered trademark symbol (®) is located at the top right of the word 'blum'.