



CLIP top BLUMOTION

Everything inside

www.blum.com
<http://blumotion.blum.com>

Perfecting motion 



CLIP top BLUMOTION is setting new benchmarks

High-tech for perfect motion

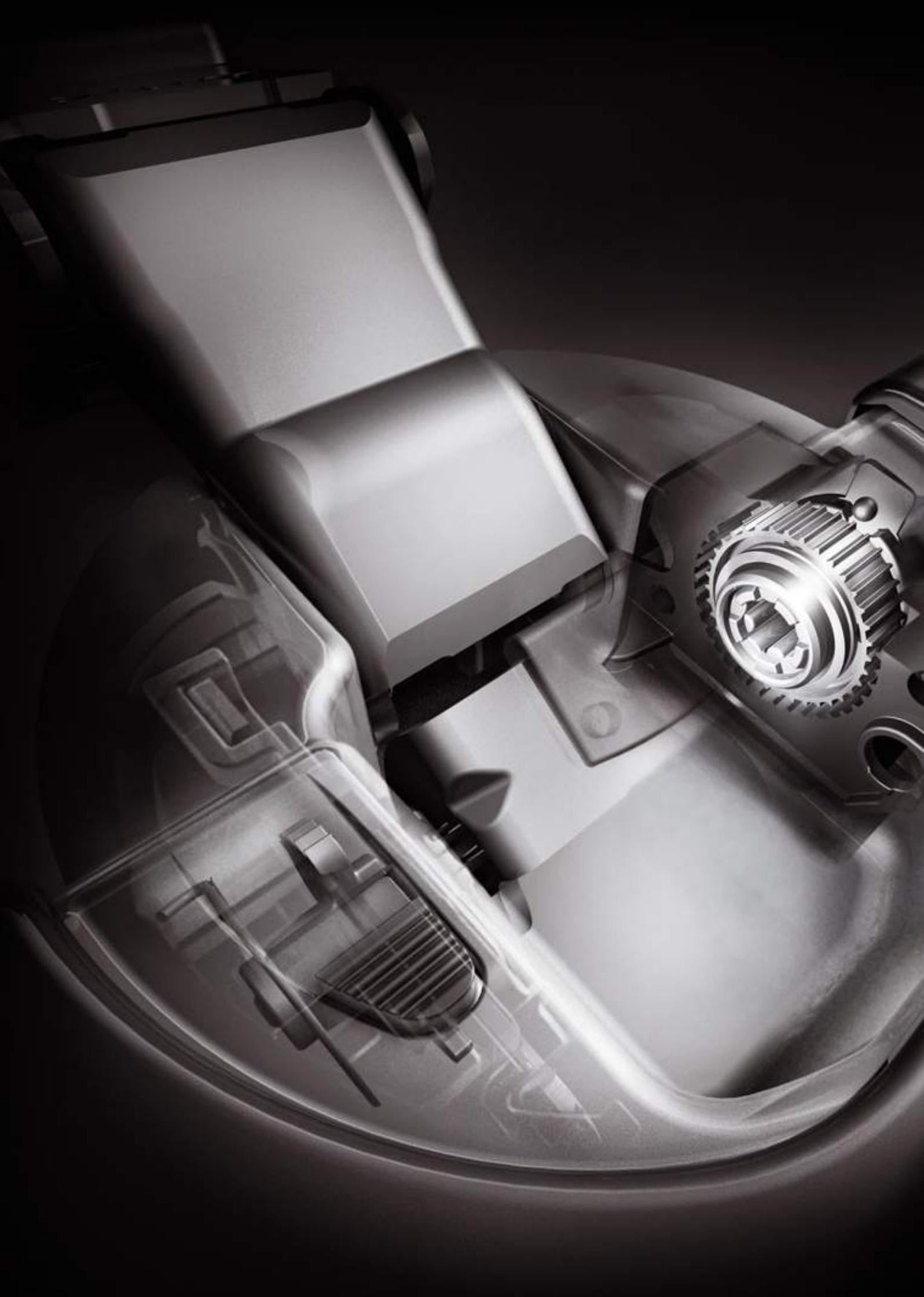
BLUMOTION inside

With CLIP top BLUMOTION, you have "everything inside:" Because BLUMOTION, our function for silent and effortless closing action, is integrated into the boss.

Get to know the advantages of integrated BLUMOTION and discover the possibilities of the new CLIP top BLUMOTION hinge. Inspire your customers: With perfect motion, for all furniture doors, for the lifetime of the furniture.

Content

- 4 Integrated BLUMOTION
- 6 Silent and effortless closing action
- 8 BLUMOTION deactivation
- 10 New hinge pivoting point
- 12 Elegant design
- 14 Other advantages
- 16 Case studies
- 18 Assembly devices for CLIP top BLUMOTION
- 20 Ordering and planning information
- 62 Assembly and adjustment
- 64 The Blum brand



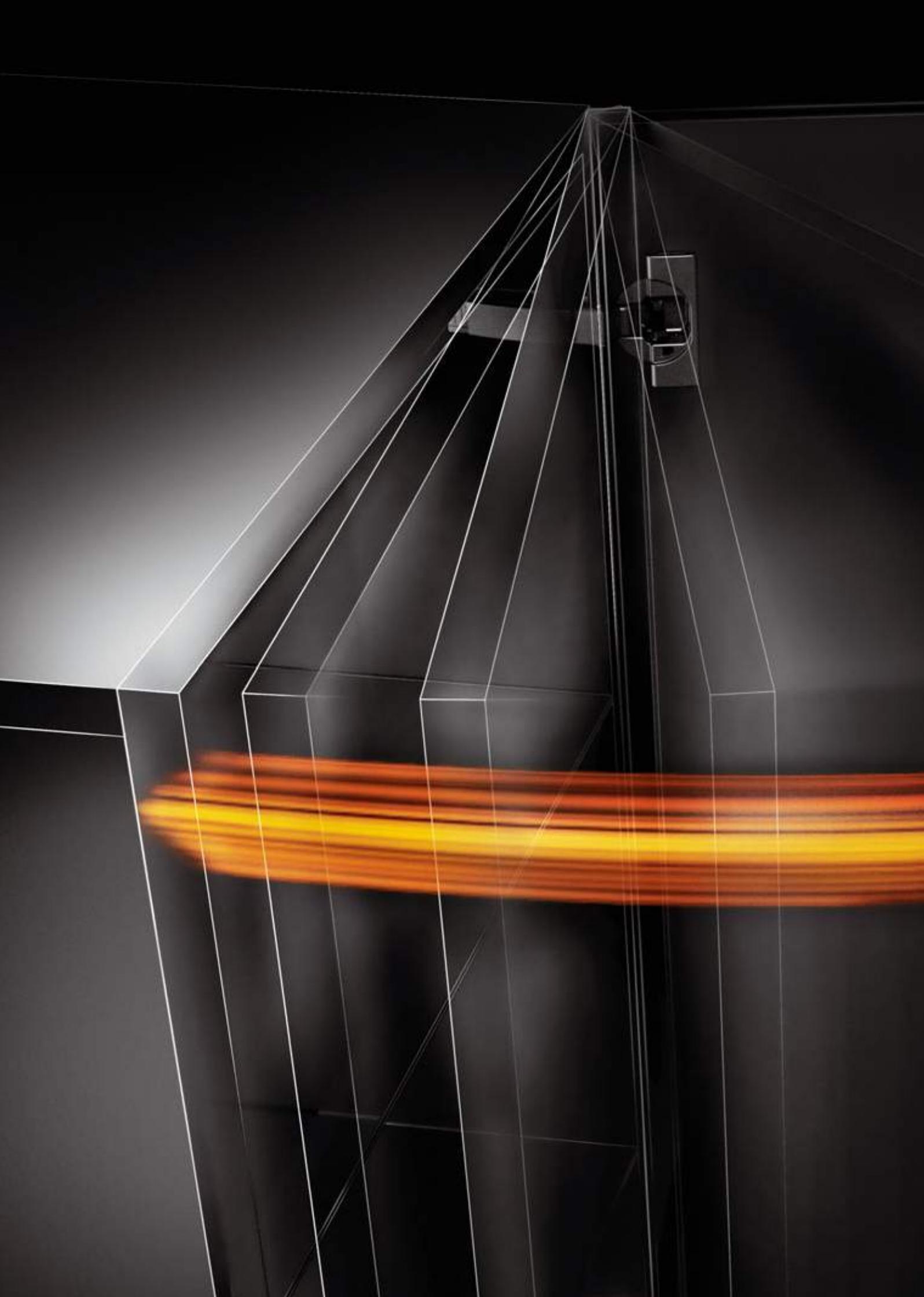
Innovative technology concentrated into the smallest space

BLUMOTION integrated

into the hinge boss

Precise movement like clockwork – the integrated BLUMOTION is a technical masterpiece that fits into the smallest space providing silent and effortless closing action for furniture doors.

CLIP top BLUMOTION is designed to open and close 200,000 times: for fascinating quality of motion – for the lifetime of the furniture.



BLUMOTION for silent and effortless closing action

Inspiring perfect motion

for **every** door

Silent and effortless, that's how furniture doors close with BLUMOTION – regardless of the front weight or closing speed.

Due to the ideal relationship between the closing mechanism and BLUMOTION, a gentle push is all that's required for closing – even for small and light doors.



Silent and effortless closing action also for small doors

BLUMOTION

deactivation option

For high quality of motion for small or light doors, the BLUMOTION function on one of the two hinges, can be easily deactivated.

Simply slide the switch on the hinge boss, then close the door once. Deactivation is now complete.



New hinge pivoting point for **thicker** doors

With the new 110° hinge, you can now implement thicker doors up to 24 mm – depending on the application. The new pivoting point ensures that during the opening process, the door does not foul on the cabinet face.

As a consequence of this ingenious new geometry, it is possible to achieve a smaller door gap. Thicker doors can also be accommodated.



Elegant design for a high-quality look

Fascinating technology in a stylish body

Despite the sophisticated technology in the hinge boss, CLIP top BLUMOTION is no different in size and visible proportions from other CLIP top hinges.

And the elegant product design also highlights the high-quality character and look of CLIP top BLUMOTION.



Additional advantages of CLIP top BLUMOTION

Assembly

made easy



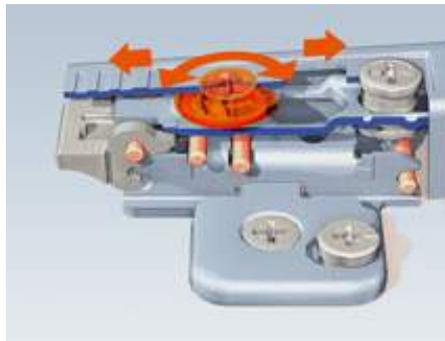
CLIP top BLUMOTION is extremely user friendly.
This provides many advantages for assembly and adjustment.



CLIP

The tried and tested CLIP mechanism stands for simple, tool-free hinge assembly.

- You can continue to use existing mounting plates.
- The drilling pattern for the hinge boss remains unchanged for CLIP top BLUMOTION, a 13 mm drilling depth is sufficient.
- The new INSERTA mechanism enables tool-free fixing of the hinge to the door.



CLIP top

Tops when it comes to adjustment: Like other CLIP top hinges, CLIP top BLUMOTION enables easy, 3-dimensional adjustment via an infinitely variable spiral screw depth adjustment and a cam height adjustment for different mounting plates.



CLIP top BLUMOTION

Because the BLUMOTION function is now integrated into the hinge, additional assembly processes are no longer necessary after adjustment is complete.

CLIP top BLUMOTION for more options



More choices when it comes to door thickness, by virtue of the new pivot points

Technology for different areas of application



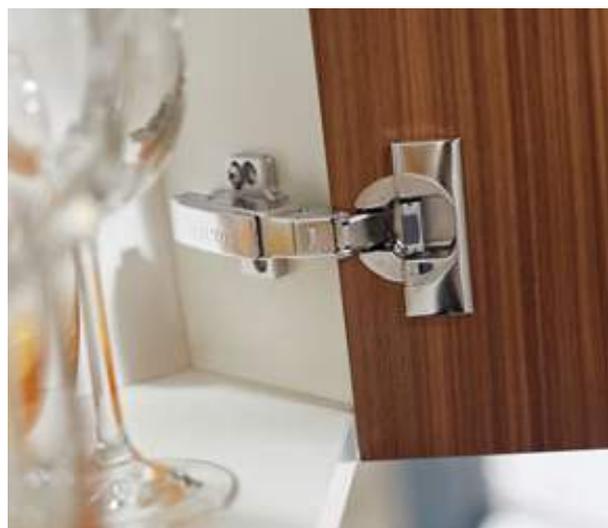
For perfect motion for small doors, BLUMOTION only has to be activated on one hinge.



Gaining storage space: With the optimised 155° hinge.



Whether it's wood, wide or narrow alu frames – you have many options when it comes to materials.



CLIP top BLUMOTION can be used with almost any application, e.g. with an angled door.

Everything for that familiar, precise assembly

Updates to your existing assembly devices



All assembly devices and templates are available at www.blum.com.

Our machines and templates make CLIP top BLUMOTION assembly easy.
 You can continue to use existing assembly devices from Blum. There are either no or only minimal adjustments required.
 New machines & templates now contain all new settings and additional parts.

The following gives you an overview of which drilling and insertion machines as well as template settings need to be changed and whether or not additional parts are required.

Overview of new items

	Drilling depth stop	Set drilling depth	Insertion ram	Drill bit (Ø 35/Ø 8) without tip	Other
	required	required	Required if hinges are inserted	Required for material thicknesses < 16 mm	
Drilling and insertion machines					
PRO-CENTER/MINIPRESS PRO	MZK.2005¹⁾	at 13 mm	MZM.0040	M01.ZB35.OS M01.ZB08.OS	
MINIPRESS P/MINIPRESS M	M30.1304.01 M52.0909	at 13 mm	MZM.0040	M01.ZB35.OS M01.ZB08.OS	
Additional drilling head (MZK.9900)	MZK.9905				
Templates and assembly devices					
ECODRILL		at 13 mm			M31.1041.UM²⁾
Assembly devices					
Universal hand insertion tool for hinges					ZME.0710

¹⁾ Only in combination with drilling head MZK.2000 ²⁾ Only for INSERTA boss fixing



Do not use a hammer to insert the hinge into the drill hole.



CLIP top BLUMOTION 110° hinge

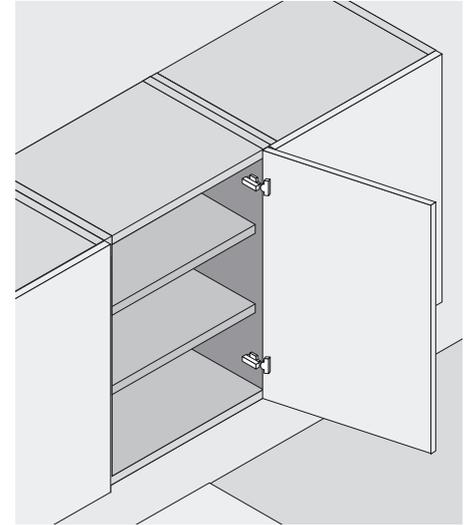
Product



Description

- All metal hinge, nickel plated
- 110° opening angle
- With integrated **BLUMOTION**
- With **BLUMOTION** deactivation facility
- with convenient spiral-tech depth adjustment
- Compatible with existing mounting plates
- With closing mechanism (spring)
- Tool-free door to cabinet assembly and removal
- 3-dimensional adjustment (with relevant mounting plate)
- With **INSERTA** tool-free boss assembly

Application



Order specification

Overlay application  		Dual application  		Inset application  	
 Boss INSERTA	Part No. 71B3590	 Boss INSERTA	Part No. 71B3690	 Boss INSERTA	Part No. 71B3790
Steel boss with spring		Steel boss with spring		Steel boss with spring	
 Boss Screw-on	71B3550	 Boss Screw-on	71B3650	 Boss Screw-on	71B3750
Steel boss with spring		Steel boss with spring		Steel boss with spring	
 Boss Knock-in	 MZM.0040	 Boss Knock-in	 MZM.0040	 Boss Knock-in	 MZM.0040
Steel boss with spring	71B3580	Steel boss with spring	71B3680	Steel boss with spring	71B3780
Cover caps		Cover caps		Cover caps	
	Steel	Steel	Steel	Steel	Nickel plated
Plain	70.1503	Plain	70.1663	Plain	70.1663
Stamped	Blum	Stamped	Blum	Stamped	Blum
	70.1503.BP		70.1663.BP		70.1663.BP
Accessories					
 Chipboard screws for hinge boss fixing	3.5 x 15 mm	609.1500	 Boss cover cap for screw-on/knock-in boss	Steel	Nickel plated
	3.5 x 17 mm	609.1700		70T3504	
 Hinge boss spacing	Boss	Screw-on	 Opening angle stop 86°	Nylon	70T3553
	1.5 mm	70T3507.21			

CLIP top BLUMOTION 110° special hinge

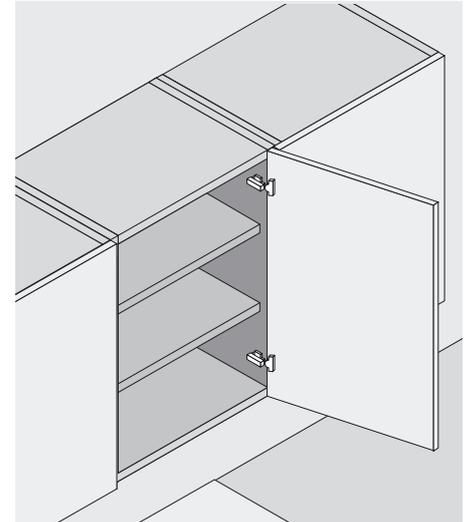
Product



Description

- All metal hinge, nickel plated
- Hinge with large overlay for thick cabinet sides
- 110° opening angle
- With integrated **BLUMOTION**
- With **BLUMOTION** deactivation facility
- with convenient spiral-tech depth adjustment
- Compatible with existing mounting plates
- With closing mechanism (spring)
- Tool-free door to cabinet assembly and removal
- 3-dimensional adjustment (with relevant mounting plate)
- With **INSERTA** tool-free boss assembly

Application



Order specification

Overlay application			
	Boss INSERTA		Part No.
	Steel boss with spring		73B3590

	Boss Screw-on		
	Steel boss with spring		73B3550

	Boss Knock-in		MZM.0040
	Steel boss with spring		73B3580

	Cover caps	
	Steel	Nickel plated
	Plain	70.1503
	Stamped	Blum 70.1503.BP

Accessories

	Chipboard screws for hinge boss fixing	
	3.5 x 15 mm	609.1500
	3.5 x 17 mm	609.1700

	Boss cover cap for screw-on/knock-in boss	
	Steel	Nickel plated 70T3504

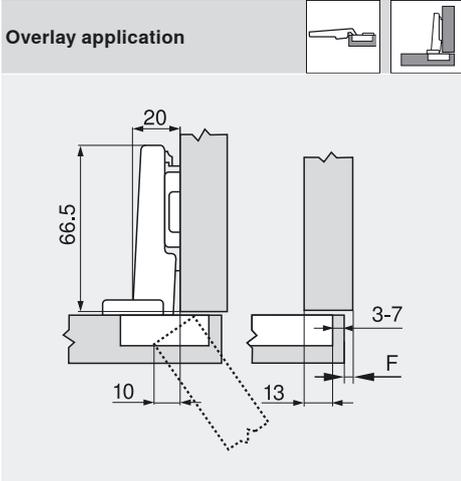
	Opening angle stop 86°	
	Nylon	70T3553

	Hinge boss spacing	
	Boss	Screw-on
	1.5 mm	70T3507.21

Planning

Hinge dimensions and gap calculation based on factory setting (mounting plate spacing = 0 mm)

Hinge and door protrusion at full opening angle



F Gap

Drilling distance

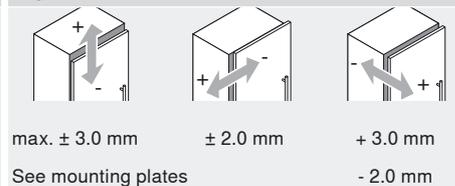
	Front overlay																						
	7	8	9	10	11	12	13	14	15	16	17	18	19	20									
0										3	4	5	6	7									
3							3	4	5	6	7												
6				3	4	5	6	7															
9	3	4	5	6	7																		

↑ Mounting plate

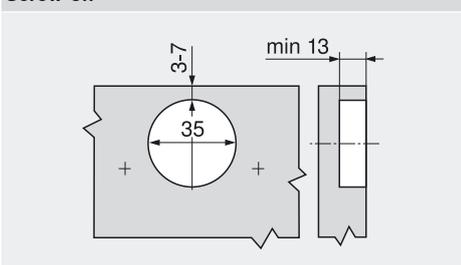
Minimum gap for doors with radiused edges (R = 1 mm) based on factory setting

	Door thickness												A trial application is recommended
	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			
4	0.5	0.8	1.0	1.2	1.4	1.7	2.0	2.5	3.1	3.8			
5	0.5	0.8	0.9	1.2	1.4	1.7	2.0	2.4	2.9	3.4			
6	0.5	0.8	0.9	1.2	1.3	1.6	1.9	2.3	2.7	3.2			
7	0.5	0.8	0.9	1.1	1.3	1.6	1.9	2.2	2.6	3.0			
Additional for + 2 mm side adjustment													
	+0.2	+0.4	+0.4	+0.5	+0.5	+0.5	+0.5	+0.5	+0.5	+0.5	+0.5	+0.5	

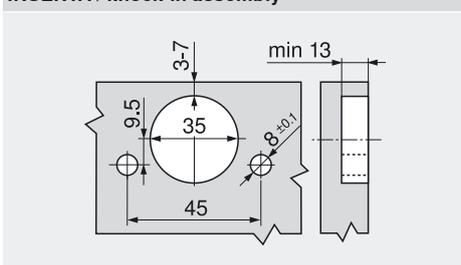
Adjustments



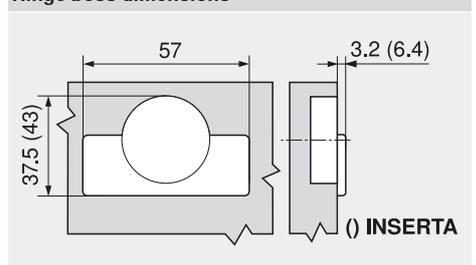
Screw-on



INSERTA / knock-in assembly



Hinge boss dimensions



CLIP top 155° hinge

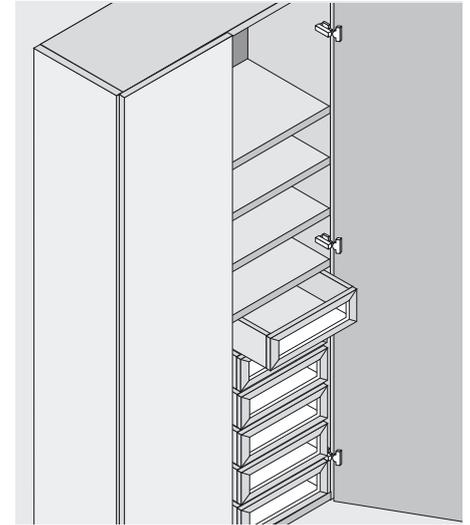
Product



Description

- All metal hinge, nickel plated
- 155° opening angle
- For cabinets with inner drawers or pull-outs
- with convenient spiral-tech depth adjustment
- Compatible with existing mounting plates
- With or without closing mechanism (spring)
- Tool-free door to cabinet assembly and removal
- 3-dimensional adjustment (with relevant mounting plate)
- With **INSERTA** tool-free boss assembly

Application



Order specification

Overlay application 0-protrusion hinge			
	Boss INSERTA		Part No.
Zinc boss with spring			71T7540N01
Zinc boss unsprung			70T7540NT1

Dual application			
	Boss INSERTA		Part No.
Zinc boss with spring			71T7640N01
Zinc boss unsprung			70T7640NT1

Inset application			
Use hinges for a dual application and a 9 mm spaced mounting plate			

Boss Screw-on			
Zinc boss with spring			71T7500N
Zinc boss unsprung			70T7500NTL

Boss Screw-on			
Zinc boss with spring			71T7600N
Zinc boss unsprung			70T7600NTL

Boss Knock-in				
Zinc boss with spring				MZM.0040
				71T7530N

		BLUMOTION 973A	
			973A7000

		BLUMOTION 973A	
			973A7000

		Cover caps	
	Steel	Nickel plated	
Plain			70.7503
Stamped			70.7503.BP

		Cover caps	
	Steel	Nickel plated	
Plain			70.7503
Stamped			70.7503.BP

No cover cap is required when using BLUMOTION 973A.

No cover cap is required when using BLUMOTION 973A.

Accessories		
	Chipboard screws for hinge boss fixing	
3.5 x 15 mm		609.1500
3.5 x 17 mm		609.1700

		Opening angle stop 110°
Nylon		70T7503N

		Opening angle stop 92°
Nylon		70T7503N09

CLIP top BLUMOTION Profile door hinge

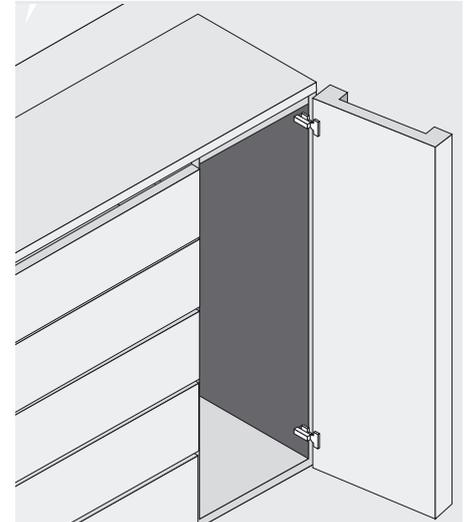
Product



Description

- All metal hinge, nickel plated
- Hinge for thick doors and doors with profile
- 95° opening angle
- With integrated **BLUMOTION**
- With **BLUMOTION** deactivation facility
- with convenient spiral-tech depth adjustment
- Compatible with existing mounting plates
- With closing mechanism (spring)
- Tool-free door to cabinet assembly and removal
- 3-dimensional adjustment (with relevant mounting plate)
- With **INSERTA** tool-free boss assembly

Application



Order specification

Overlay application  		Dual application  		Inset application  	
 Boss INSERTA	Part No.	 Boss INSERTA	Part No.	 Boss INSERTA	Part No.
Steel boss with spring	71B9590	Steel boss with spring	71B9690	Steel boss with spring	71B9790
 Boss Screw-on		 Boss Screw-on		 Boss Screw-on	
Steel boss with spring	71B9550	Steel boss with spring	71B9650	Steel boss with spring	71B9750
 Boss Knock-in	 40	 Boss Knock-in	 40	 Boss Knock-in	 40
Steel boss with spring	71B9580	Steel boss with spring	71B9680	Steel boss with spring	71B9780
 Cover caps	Steel	 Cover caps	Steel	 Cover caps	Steel
	Nickel plated		Nickel plated		Nickel plated
Plain	70.1563	Plain	70.1663	Plain	70.1663
Screen print	Blum 70.1563.BL	Stamped	Blum 70.1663.BP	Stamped	Blum 70.1663.BP
Accessories					
 Chipboard screws for hinge boss fixing		 Boss cover cap for screw-on/knock-in boss			
3.5 x 15 mm	609.1500	Steel	Nickel plated	70T3504	
3.5 x 17 mm	609.1700				
 Hinge boss spacing					
Boss	Screw-on				
1.5 mm	70T3507.21				

CLIP top BLUMOTION Aluminium frame door hinge

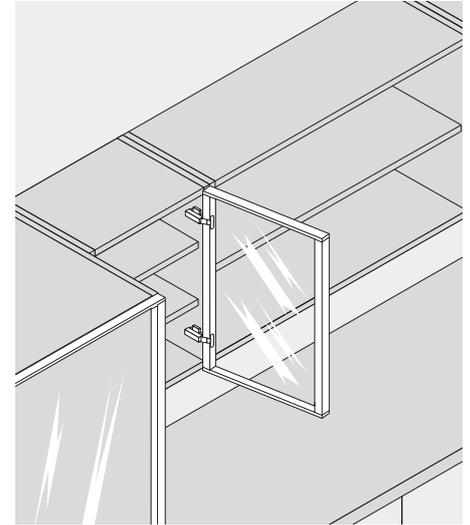
Product



Description

- All metal hinge, nickel plated
- Hinge for narrow alu frame doors
- 95° opening angle
- With integrated **BLUMOTION**
- With **BLUMOTION** deactivation facility
- with convenient spiral-tech depth adjustment
- Compatible with existing mounting plates
- With closing mechanism (spring)
- Tool-free door to cabinet assembly and removal
- 3-dimensional adjustment (with relevant mounting plate)
- Boss fixing screws are included

Application



Order specification

Overlay application			
	Boss		
	Screw-on		
Zinc boss with spring			Part No. 71B950A

Dual application			
	Boss		
	Screw-on		
Zinc boss with spring			Part No. 71B960A

Inset application			
	Boss		
	Screw-on		
Zinc boss with spring			Part No. 71B970A

Cover caps		
	Steel	Nickel plated
Plain		70.1563
Screen print	Blum	70.1563.BL

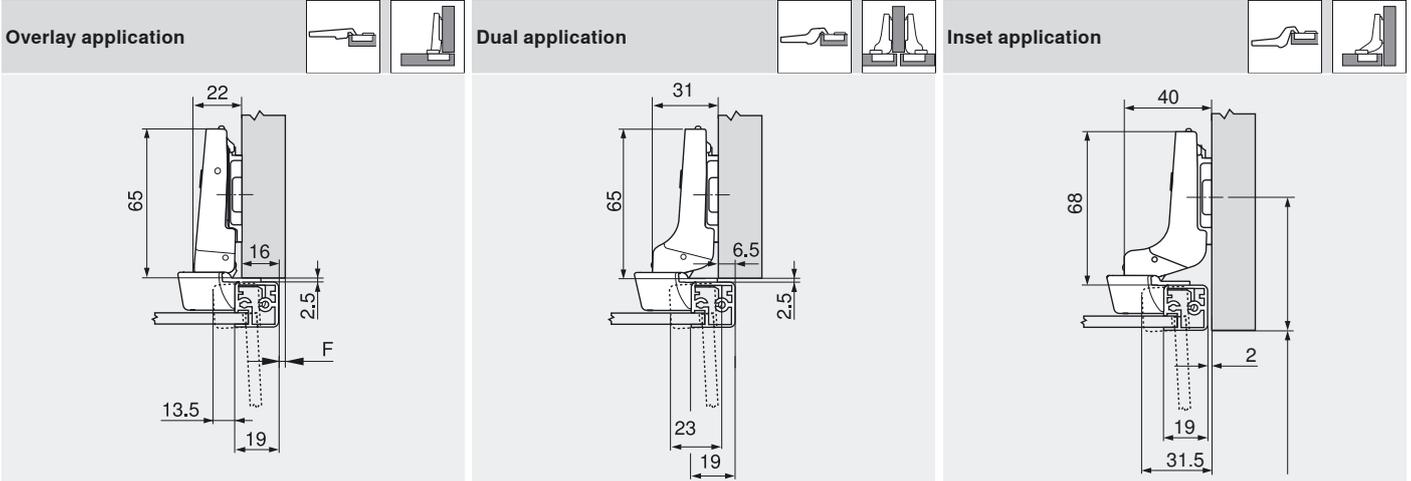
Cover caps		
	Steel	Nickel plated
Plain		70.1663
Stamped	Blum	70.1663.BP

Cover caps		
	Steel	Nickel plated
Plain		70.1663
Stamped	Blum	70.1663.BP

Planning

Hinge dimensions and gap calculation based on factory setting (mounting plate spacing = 0 mm)

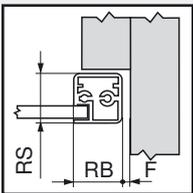
Hinge and door protrusion at full opening angle



F Gap

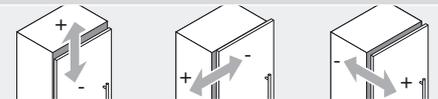
Set mounting plate fixing position back by door thickness + 2.5 mm

Minimum gap for doors with radiuses edges (R = 1 mm) based on factory setting



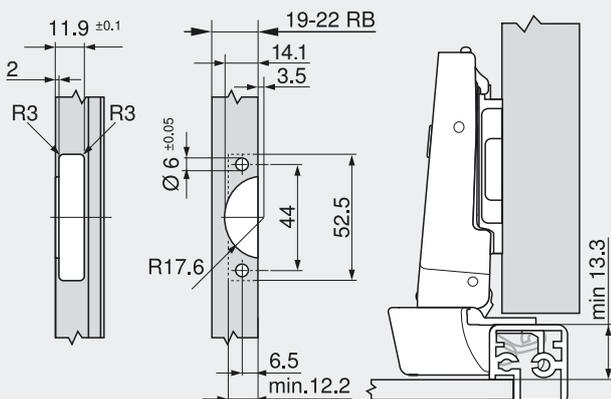
		RS Frame thickness										
		18	19	20	21	22	24	26	28	30	32	
RB Frame width	18	0.2	0.3	0.4	0.6	0.7	1.2	A trial application is recommended				
	19	0.2	0.3	0.4	0.6	0.7	1.2					
	20	0.2	0.3	0.4	0.5	0.7	1.1					
	21	0.2	0.3	0.4	0.5	0.7	1.0					
	22	0.2	0.3	0.4	0.5	0.7	1.1					
		Additional for + 2 mm side adjustment										
		+0.1	+0.1	+0.2	+0.2	+0.3	+0.3					

Adjustments



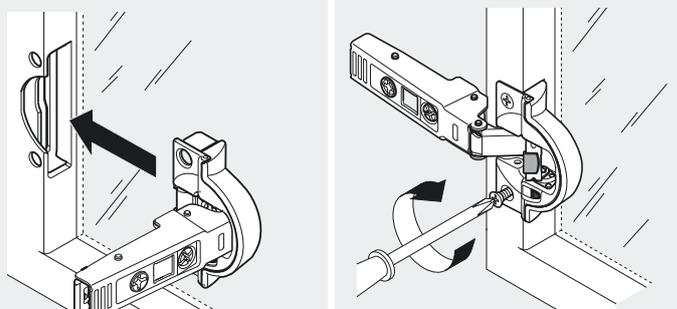
max. ± 3.0 mm ± 2.0 mm + 3.0 mm
See mounting plates - 2.0 mm

Screw-on



RB Frame width

Assembly



CLIP top BLUMOTION

Blind corner hinge inset application

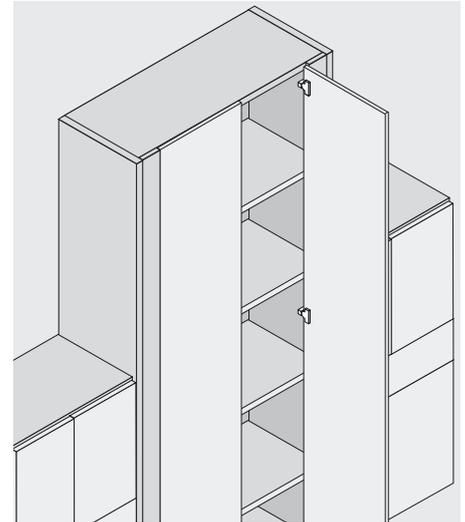
Product



Description

- All metal hinge, nickel plated
- Hinge for blind corner applications
- 95° opening angle
- With integrated **BLUMOTION**
- With **BLUMOTION** deactivation facility
- with convenient spiral-tech depth adjustment
- Compatible with existing mounting plates
- With closing mechanism (spring)
- Tool-free door to cabinet assembly and removal
- 3-dimensional adjustment (with relevant mounting plate)
- With **INSERTA** tool-free boss assembly

Application



Order specification

Inset		
	Boss INSERTA	Part No.
Steel boss with spring		79B9590
	Boss Screw-on	
Steel boss with spring		79B9550
	Boss Knock-in	 MZM.0040
Steel boss with spring		79B9580

Cover caps		
Steel	Nickel plated	
Plain		70.1503
Stamped	Blum	70.1503.BP

Accessories

Chipboard screws for hinge boss fixing		
3.5 x 15 mm		609.1500
3.5 x 17 mm		609.1700

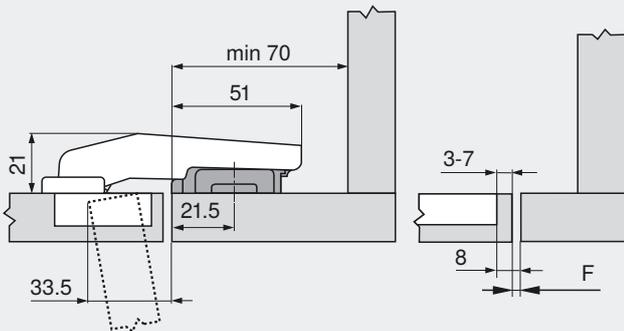
Boss cover cap for screw-on/knock-in boss			
Steel	Nickel plated		70T3504

Planning

Hinge dimensions and gap calculation based on factory setting (mounting plate spacing = 3 mm)

Hinge and door protrusion at full opening angle

Inset



Move standard mounting plate fixing positions 15.5 mm nearer the edge of the blind corner (i.e. set back by 21.5 mm).

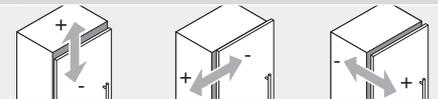
Use 3 mm spaced standard mounting plates only to ensure door and blind corner are flush on the inside.

F Gap

Minimum gap for doors with radiused edges (R = 1 mm) based on factory setting

Drilling distance	Door thickness											
	16	18	19	20	22	24	26	28	29	30	31	32
3	0.2	0.3	0.4	0.5	0.8	1	1.5	1.9	A trial application is recommended			
4	0.2	0.3	0.4	0.5	0.7	1	1.4	1.8				
5	0.2	0.3	0.4	0.5	0.7	1	1.4	1.8				
6	0.2	0.3	0.4	0.5	0.7	1	1.4	1.8				
7	0.2	0.3	0.4	0.5	0.7	0.9	1.4	1.7				

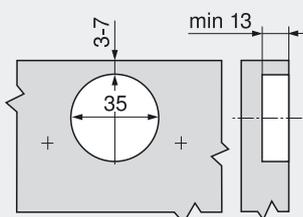
Adjustments



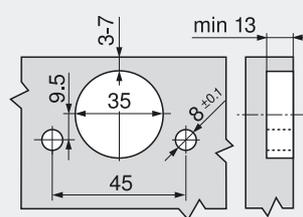
max. ± 3.0 mm ± 2.5 mm ± 1.0 mm

See mounting plates

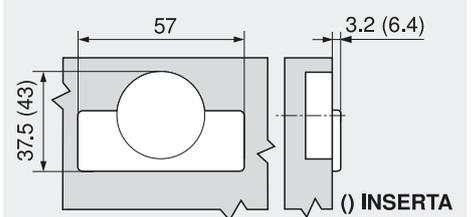
Screw-on



INSERTA / knock-in assembly



Hinge boss dimensions



CLIP top BLUMOTION

Blind corner hinge overlay application

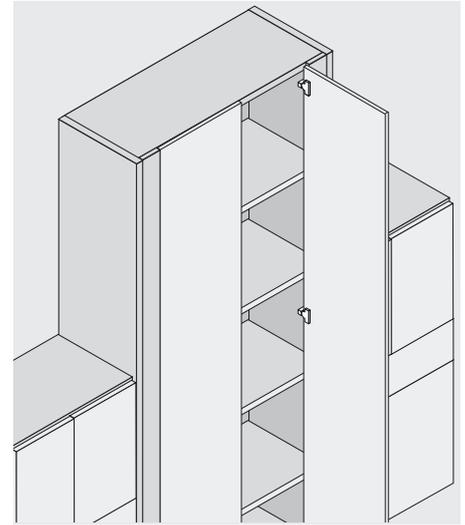
Product



Description

- All metal hinge, nickel plated
- Hinge for blind corner overlay applications
- 95° opening angle
- With integrated **BLUMOTION**
- With **BLUMOTION** deactivation facility
- with convenient spiral-tech depth adjustment
- Compatible with existing mounting plates
- With closing mechanism (spring)
- Tool-free door to cabinet assembly and removal
- 3-dimensional adjustment (with relevant mounting plate)
- With **INSERTA** tool-free boss assembly

Application



Order specification

Overlay application		
	Boss INSERTA	Part No.
Steel boss with spring		79B9990
	Boss Screw-on	
Steel boss with spring		79B9950
	Boss Knock-in	
Steel boss with spring		MZM.0040 79B9980

Cover caps		
	Steel	Nickel plated
Plain		70.1503
Stamped	Blum	70.1503.BP

Accessories

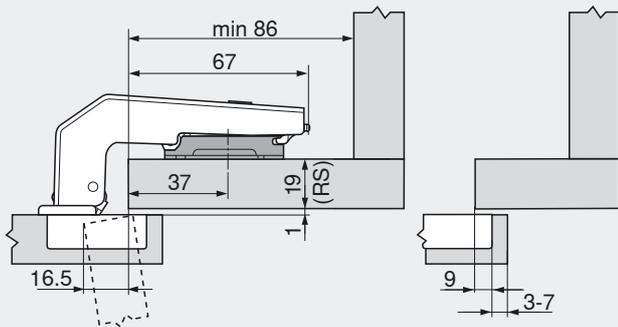
	Chipboard screws for hinge boss fixing			Boss cover cap for screw-on/knock-in boss	
3.5 x 15 mm	609.1500		Steel	Nickel plated	70T3504
3.5 x 17 mm	609.1700				

Planning

Hinge dimensions and gap calculation based on factory setting (mounting plate spacing = 3 mm)

Hinge and door protrusion at full opening angle

Overlay application

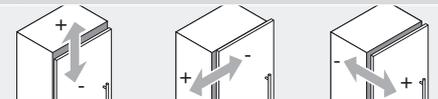


Frame thickness RS	Mounting plate spacing
16 mm	6 mm
19 mm	3 mm
22 mm	0 mm

Minimum gap for doors with radiused edges (R = 1 mm) based on factory setting

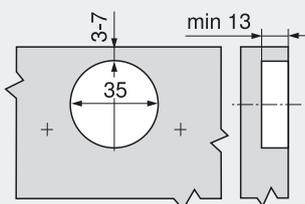
	Door thickness											
	16	18	19	20	22	24	26	28	29	30	31	32
3	0.2	0.3	0.4	0.5	0.8	1	1.5	1.9	A trial application is recommended			
4	0.2	0.3	0.4	0.5	0.7	1	1.4	1.8				
5	0.2	0.3	0.4	0.5	0.7	1	1.4	1.8				
6	0.2	0.3	0.4	0.5	0.7	1	1.4	1.8				
7	0.2	0.3	0.4	0.5	0.7	0.9	1.4	1.7				

Adjustments

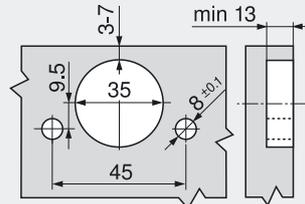


max. ± 3.0 mm ± 2.5 mm ± 1.0 mm
See mounting plates

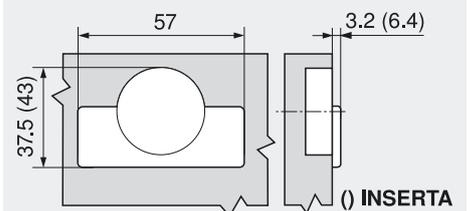
Screw-on



INSERTA / knock-in assembly



Hinge boss dimensions



CLIP top BLUMOTION +45° I – angled hinge half overlay

Product



Description

- All metal hinge, nickel plated
- 45° I angled hinge
- For corner cabinets with set back fronts
- 95° opening angle
- With integrated **BLUMOTION**
- With **BLUMOTION** deactivation facility
- with convenient spiral-tech depth adjustment
- Compatible with existing mounting plates
- With closing mechanism (spring)
- Tool-free door to cabinet assembly and removal
- 3-dimensional adjustment (with relevant mounting plate)
- With **INSERTA** tool-free boss assembly

Application

	40°	45°	50°
	N° 23 35	N° 24 37	N° 25 35
	N° 108 39	N° 53 35	N° 54 35
	N° 8 39	N° 9 37	N° 10 37
	N° 43 39	N° 44 39	N° 45 39
	N° 109 39	N° 60 35	N° 61 35

Order specification

	Part No.
Boss INSERTA Steel boss with spring	79B9698

	Part No.
Boss Screw-on Steel boss with spring	79B9658

	Part No.
Cover caps Steel	Nickel plated 70.1563
Plain	70.1563
Screen print	Blum 70.1563.BL

	Part No.
Accessories Chipboard screws for hinge boss fixing	
3.5 x 15 mm	609.1500
3.5 x 17 mm	609.1700

	Part No.
Boss cover cap for screw-on boss	
Steel	Nickel plated 70T3504

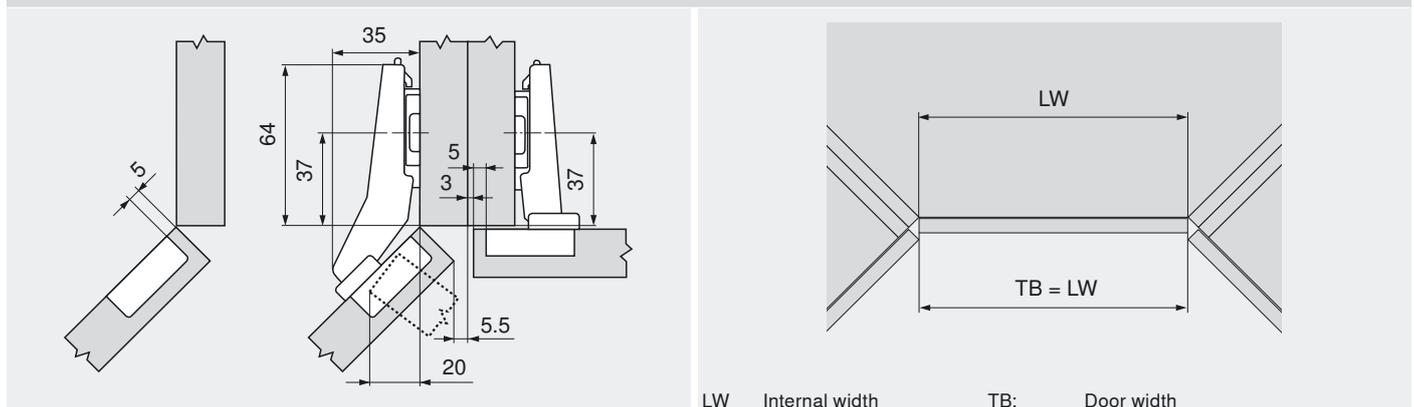
Planning

Important:

These dimensions are based on a 19 mm door and cabinet side thickness. Dimensions would need to be altered if either thickness varied from 19 mm.

A trial application is recommended. Some applications require the mounting plate to be moved from the standard fixing positions.

Corner cabinet

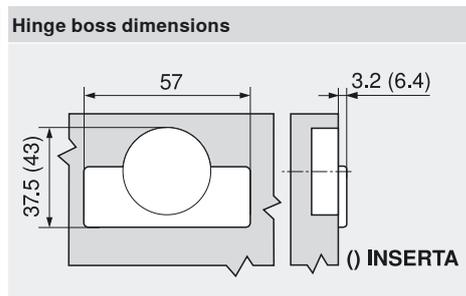
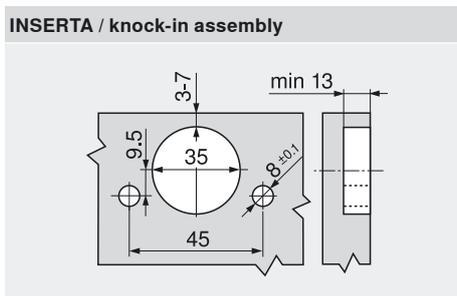
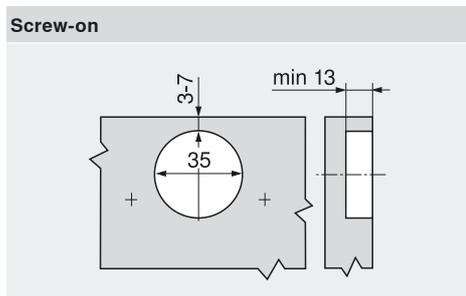
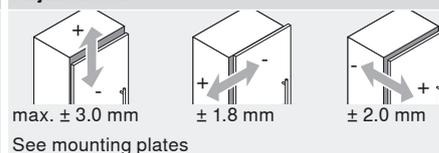


Planning

N° 23 40°				N° 53 45°				N° 60 45°			
		Part No.				Part No.				Part No.	
Angled spacer		-5°		171A5500		Mounting plate		0 mm		173H7100	
Mounting plate		9 mm		175H7190						173H7100	

N° 25 50°				N° 54 50°				N° 61 50°			
		Part No.				Part No.				Part No.	
Angled spacer		+5°		171A5070		Angled spacer		+5°		171A5010	
Mounting plate		9 mm		175H7190		Mounting plate		0 mm		173H7100	

Adjustments



CLIP top BLUMOTION +45° II – angled hinge overlay

Product



Description

- All metal hinge, nickel plated
- +45° II angled hinge
- 110° opening angle
- For corner cabinets with flush fronts
- With integrated **BLUMOTION**
- With **BLUMOTION** deactivation facility
- with convenient spiral-tech depth adjustment
- Compatible with existing mounting plates
- With closing mechanism (spring)
- Tool-free door to cabinet assembly and removal
- 3-dimensional adjustment (with relevant mounting plate)
- With **INSERTA** tool-free boss assembly

Application

	40°	45°	50°
	N° 23 35	N° 24 37	N° 25 35
	N° 108 39	N° 53 35	N° 54 35
	N° 8 39	N° 9 37	N° 10 37
	N° 43 39	N° 44 39	N° 45 39
	N° 109 39	N° 60 35	N° 61 35

Order specification

Boss	Part No.
INSERTA Steel boss with spring	79B3598

Boss	Part No.
Screw-on Steel boss with spring	79B3558

Cover caps	Steel	Nickel plated
Plain		70.1503
Stamped	Blum	70.1503.BP

Accessories	Part No.
Chipboard screws for hinge boss fixing	
3.5 x 15 mm	609.1500
3.5 x 17 mm	609.1700

Boss cover cap for screw-on boss	Steel	Nickel plated	Part No.
			70T3504

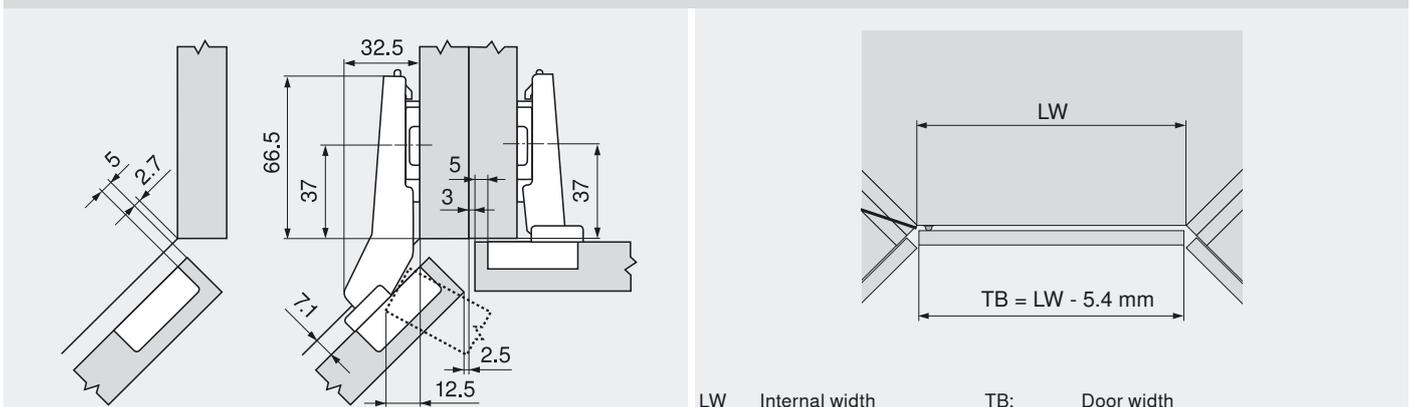
Planning

Important:

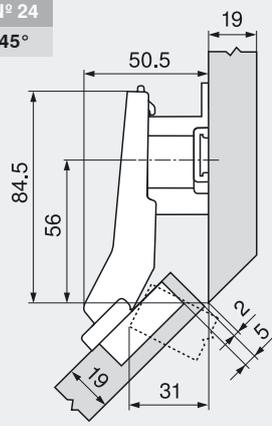
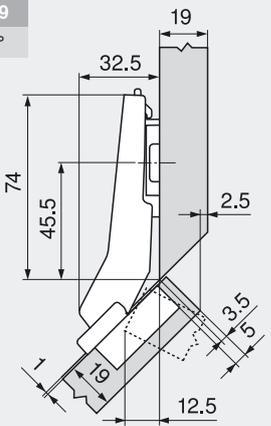
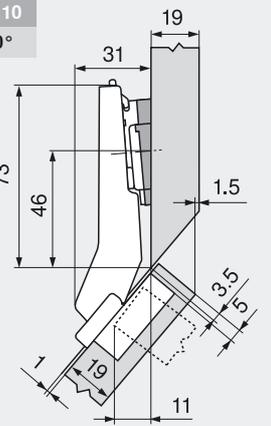
These dimensions are based on a 19 mm door and cabinet side thickness. Dimensions would need to be altered if either thickness varied from 19 mm.

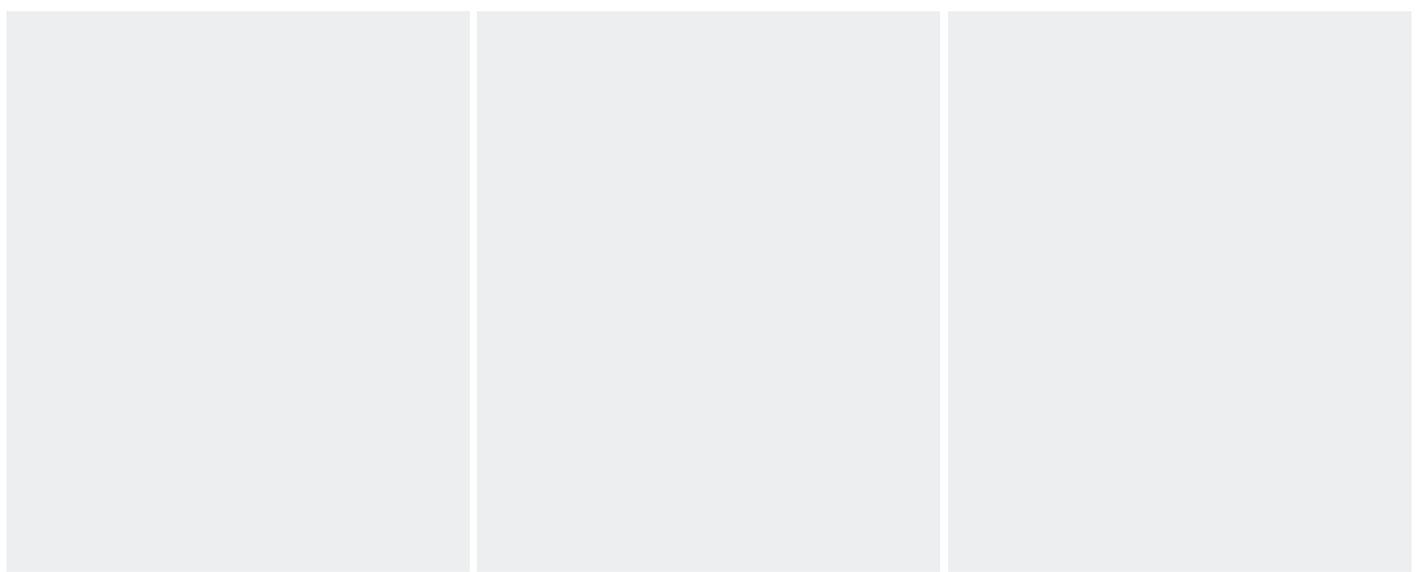
A trial application is recommended. Some applications require the mounting plate to be moved from the standard fixing positions.

Corner cabinet

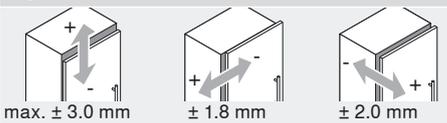


Planning

N° 24 45° 		N° 9 45° 		N° 10 50° 	
	Part No.		Part No.		Part No.
Mounting plate	18 mm	175H7190.22	Mounting plate	0 mm	173H7100
				Angled spacer	+5°
				Mounting plate	0 mm

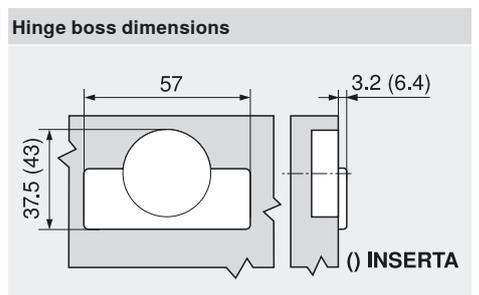
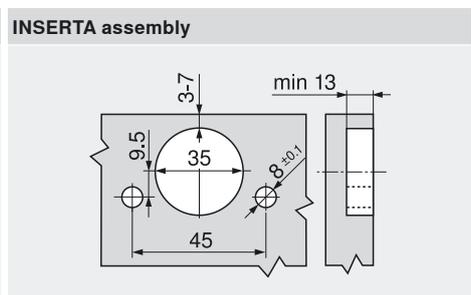
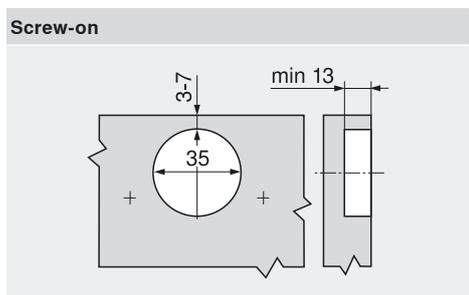


Adjustments



max. ± 3.0 mm ± 1.8 mm ± 2.0 mm

See mounting plates



CLIP top BLUMOTION +45° III – angled hinge full overlay

Product



Description

- All metal hinge, nickel plated
- +45° III angled hinge
- 95° opening angle
- With integrated **BLUMOTION**
- With **BLUMOTION** deactivation facility
- with convenient spiral-tech depth adjustment
- Compatible with existing mounting plates
- With closing mechanism (spring)
- Tool-free door to cabinet assembly and removal
- 3-dimensional adjustment (with relevant mounting plate)
- With **INSERTA** tool-free boss assembly

Application

	40°	45°	50°
	N° 23	N° 24	N° 25
	35	37	35
	N° 108	N° 53	N° 54
	39	35	35
	N° 8	N° 9	N° 10
	39	37	37
	N° 43	N° 44	N° 45
	39	39	39
	N° 109	N° 60	N° 61
	39	35	35

Order specification

	Boss INSERTA	Part No.
Steel boss with spring		79B9498

	Boss Screw-on	Part No.
Steel boss with spring		79B9458

	Cover caps	
Steel		Nickel plated
Plain		70.1563
Screen print	Blum	70.1563.BL

	Accessories Chipboard screws for hinge boss fixing
3.5 x 15 mm	609.1500
3.5 x 17 mm	609.1700

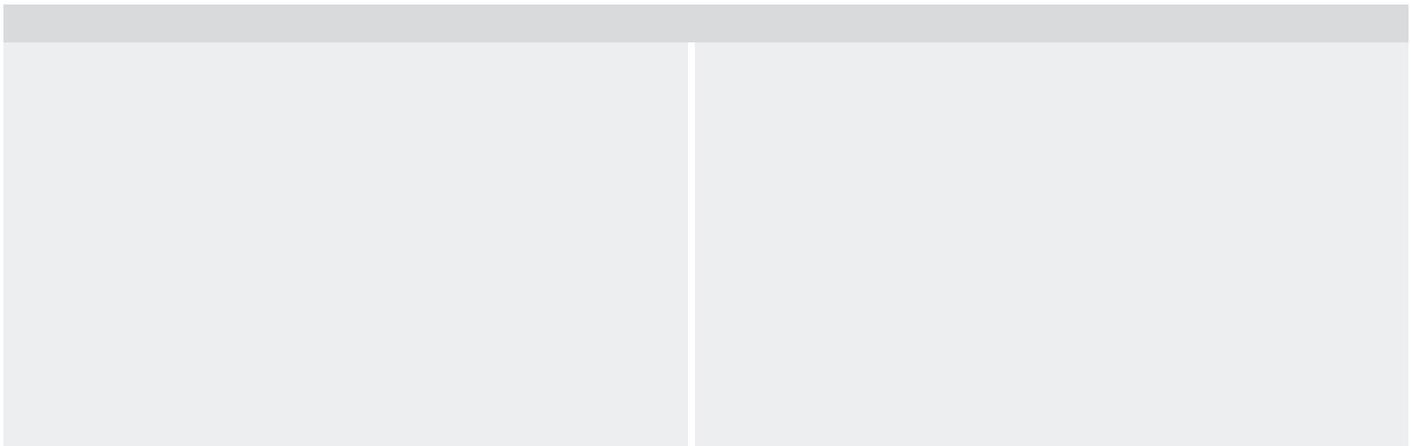
	Boss cover cap for screw-on boss
Steel	Nickel plated
	70T3504

Planning

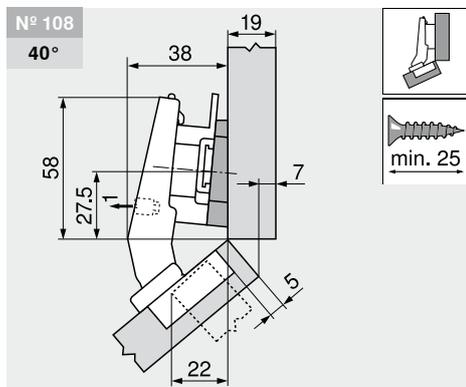
Important:

These dimensions are based on a 19 mm door and cabinet side thickness. Dimensions would need to be altered if either thickness varied from 19 mm.

A trial application is recommended. Some applications require the mounting plate to be moved from the standard fixing positions.

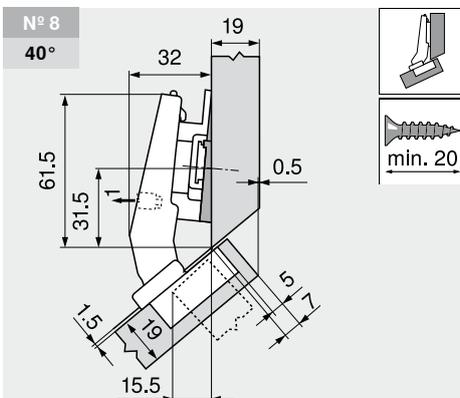


Planning

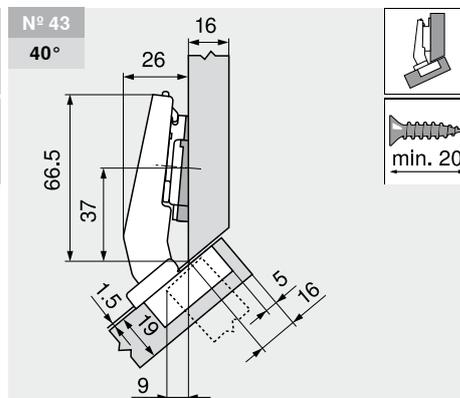


The angle wedge is installed rotated by 180° (arrow points to the cabinet)!

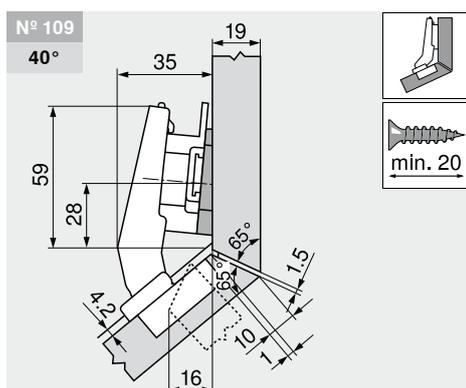
		Part No.
Angled spacer	+5°	171A5040
Mounting plate	9 mm	175H7190



		Part No.
Angled spacer	-5°	171A5500
Mounting plate	6 mm	175H9160

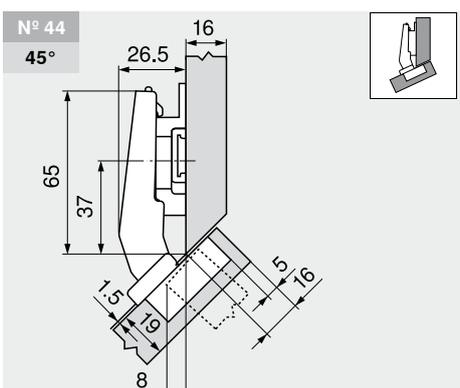


		Part No.
Angled spacer	-5°	171A5500
Mounting plate	0 mm	173H7100

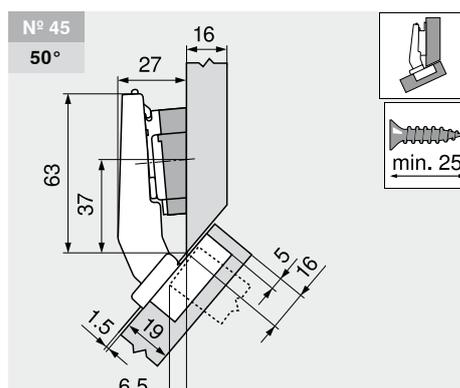


The angle wedge is installed rotated by 180° (arrow points to the cabinet)!

		Part No.
Angled spacer	+5°	171A5010
Mounting plate	9 mm	175H7190

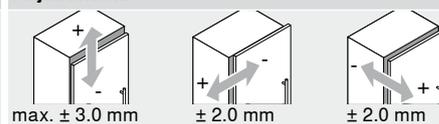


		Part No.
Mounting plate	6 mm	175H9160



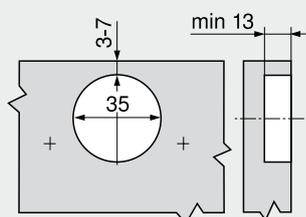
		Part No.
Angled spacer	+5°	171A5070
Mounting plate	0 mm	173H7100

Adjustments

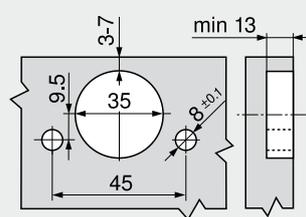


See mounting plates

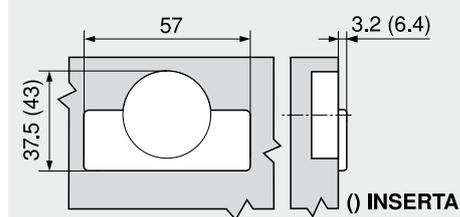
Screw-on



INSERTA assembly



Hinge boss dimensions



CLIP top BLUMOTION +30° II – angled hinge overlay

Product



Description

- All metal hinge, nickel plated
- + 30° II angled hinge
- 95° opening angle
- With integrated **BLUMOTION**
- With **BLUMOTION** deactivation facility
- with convenient spiral-tech depth adjustment
- Compatible with existing mounting plates
- With closing mechanism (spring)
- Tool-free door to cabinet assembly and removal
- 3-dimensional adjustment (with relevant mounting plate)
- With **INSERTA** tool-free boss assembly

Application

	25°	30°	35°
	N° 20	N° 21	N° 22
	40	41	41
	N° 50	N° 51	N° 52
	40	41	41
	N° 5	N° 6	N° 7
	45	41	41
	N° 40	N° 41	N° 42
	43	43	43
	N° 57	N° 58	N° 59
	40	41	41

Order specification

	Boss INSERTA	Part No.
Steel boss with spring	79B9596	

	Boss Screw-on	Part No.
Steel boss with spring	79B9556	

	Cover caps	
Steel	Nickel plated	
Plain	70.1563	
Screen print	Blum	70.1563.BL

	Accessories Chipboard screws for hinge boss fixing
3.5 x 15 mm	609.1500
3.5 x 17 mm	609.1700

	Boss cover cap for screw-on boss
Steel	Nickel plated
	70T3504

Planning

Important:

These dimensions are based on a 19 mm door and cabinet side thickness. Dimensions would need to be altered if either thickness varied from 19 mm.

A trial application is recommended. Some applications require the mounting plate to be moved from the standard fixing positions.

N° 20 25°	N° 50 25°	N° 57 25°
Part No.	Part No.	Part No.
Angled spacer -5° 171A5500	Angled spacer -5° 171A5500	Angled spacer -5° 171A5500
Mounting plate 9 mm 175H7190	Mounting plate 0 mm 173H7100	Mounting plate 0 mm 173H7100

Planning

<p>N° 21 30°</p>		<p>N° 51 30°</p>		<p>N° 6 30°</p>							
Mounting plate	18 mm	Part No.	175H7190.22	Mounting plate	9 mm	Part No.	175H7190	Mounting plate	0 mm	Part No.	173H7100

<p>N° 58 30°</p>		<p>N° 22 35°</p>		<p>N° 52 35°</p>							
Mounting plate	3 mm	Part No.	173H7130	Angled spacer	+5°	Part No.	171A5010	Angled spacer	+5°	Part No.	171A5070
				Mounting plate	18 mm	Part No.	175H7190.22	Mounting plate	0 mm	Part No.	173H7100

<p>N° 7 35°</p>		<p>N° 59 35°</p>		<p>Adjustments</p> <p>max. ± 3.0 mm ± 1.8 mm ± 2.0 mm</p> <p>See mounting plates</p>							
Angled spacer	+5°	Part No.	171A5010	Angled spacer	+5°	Part No.	171A5040				
Mounting plate	0 mm	Part No.	173H7100	Mounting plate	0 mm	Part No.	173H7100				

CLIP top BLUMOTION +30° III – angled hinge full overlay

Product



Description

- All metal hinge, nickel plated
- +30° III angled hinge
- 95° opening angle
- With integrated **BLUMOTION**
- With **BLUMOTION** deactivation facility
- with convenient spiral-tech depth adjustment
- Compatible with existing mounting plates
- With closing mechanism (spring)
- Tool-free door to cabinet assembly and removal
- 3-dimensional adjustment (with relevant mounting plate)
- With **INSERTA** tool-free boss assembly

Application

	25°	30°	35°
	N° 20 40	N° 21 41	N° 22 41
	N° 50 40	N° 51 41	N° 52 41
	N° 5 45	N° 6 41	N° 7 41
	N° 40 43	N° 41 43	N° 42 43
	N° 57 40	N° 58 41	N° 59 41

Order specification

	Part No.
Boss INSERTA Steel boss with spring	79B9496

Boss Screw-on Steel boss with spring	79B9456
---	----------------

	Part No.
Cover caps Steel	Nickel plated 70.1563
Plain	70.1563
Screen print	Blum 70.1563.BL

Accessories	
	Chipboard screws for hinge boss fixing
3.5 x 15 mm	609.1500
3.5 x 17 mm	609.1700

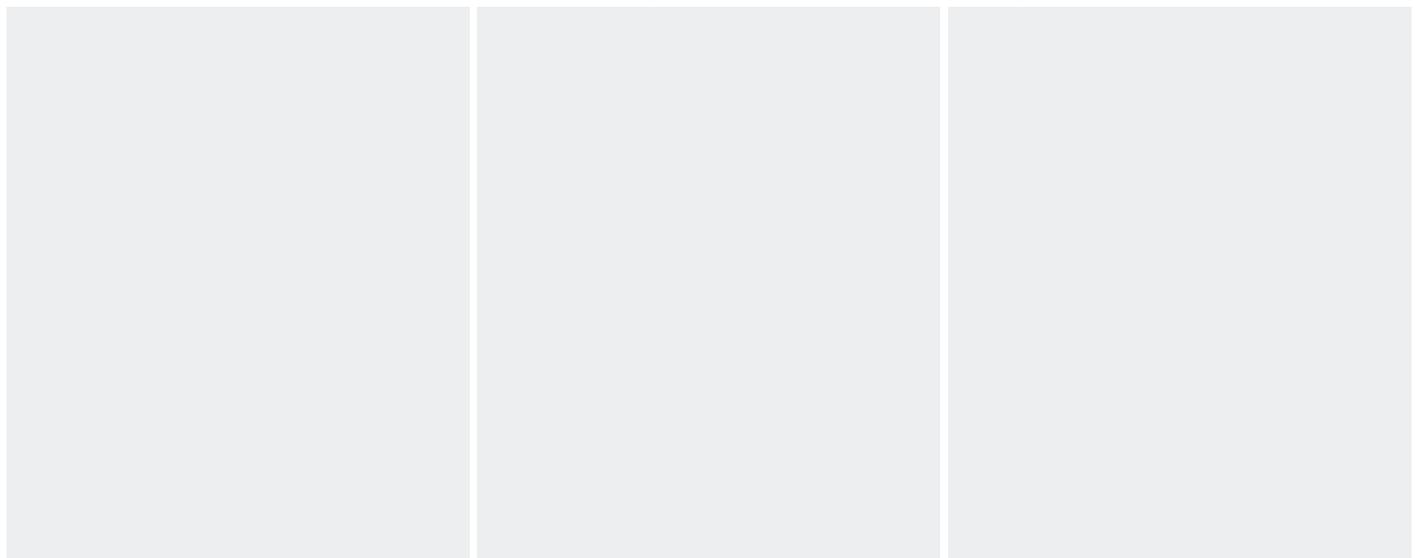
	Boss cover cap for screw-on boss
Steel	Nickel plated 70T3504

Planning

Important:

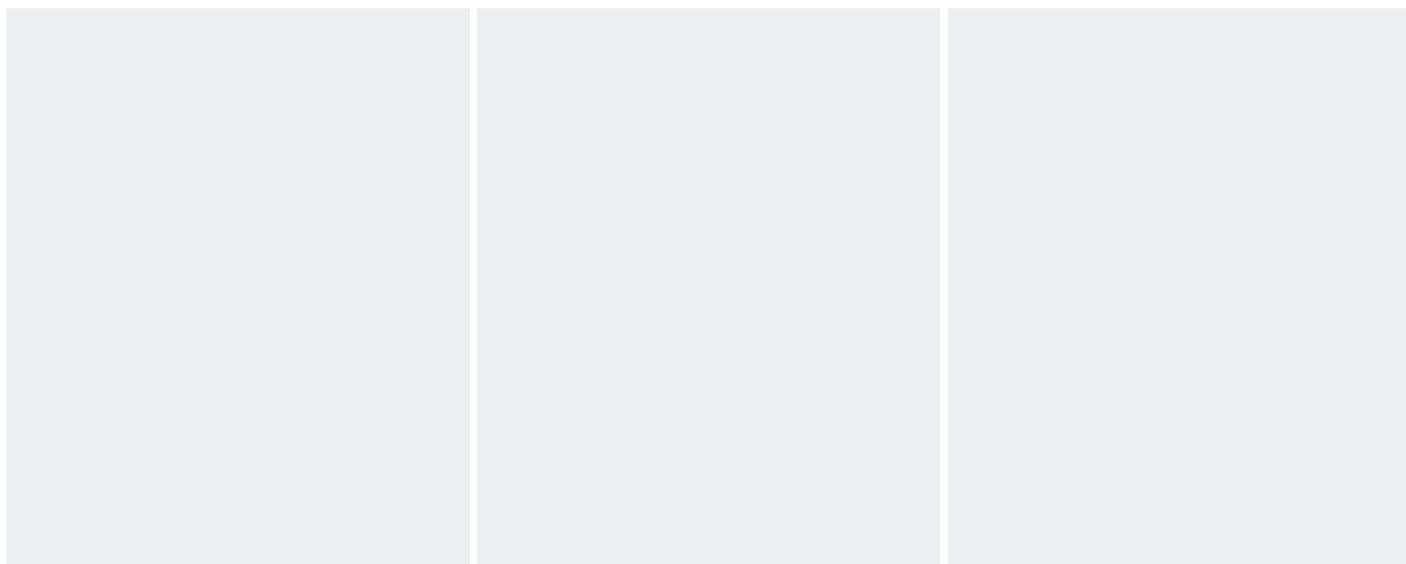
These dimensions are based on a 19 mm door and cabinet side thickness. Dimensions would need to be altered if either thickness varied from 19 mm.

A trial application is recommended. Some applications require the mounting plate to be moved from the standard fixing positions.

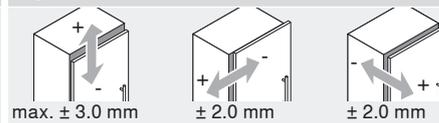


Planning

N° 40 25°		N° 41 30°		N° 42 35°	
	Part No.		Part No.		Part No.
Angled spacer	-5°	171A5500	Mounting plate	6 mm	175H9160
Mounting plate	0 mm	173H7100			
Angled spacer	+5°	171A5070	Mounting plate	0 mm	173H7100
Mounting plate	0 mm	173H7100			

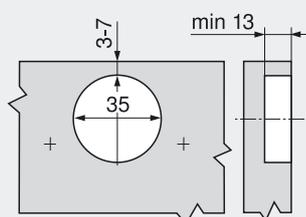


Adjustments

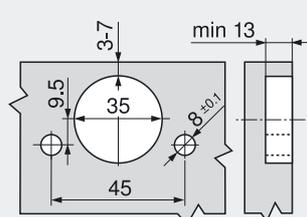


See mounting plates

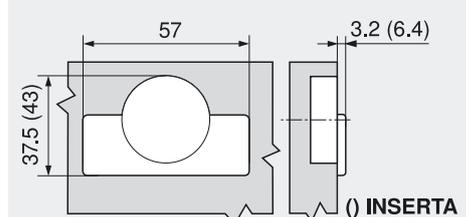
Screw-on



INSERTA assembly



Hinge boss dimensions



CLIP top BLUMOTION +20° II – angled hinge overlay

Product



Description

- All metal hinge, nickel plated
- +20° II angled hinge
- 95° opening angle
- With integrated **BLUMOTION**
- With **BLUMOTION** deactivation facility
- with convenient spiral-tech depth adjustment
- Compatible with existing mounting plates
- With closing mechanism (spring)
- Tool-free door to cabinet assembly and removal
- 3-dimensional adjustment (with relevant mounting plate)
- With **INSERTA** tool-free boss assembly

Application

	15°	20°	25°
	N° 18 44	N° 19 45	N° 20 40
	N° 48 44	N° 49 45	N° 50 40
	N° 3 47	N° 4 45	N° 5 45
	N° 38 47	N° 39 47	N° 40 43
	N° 55 44	N° 56 45	N° 57 40

Order specification

	Boss INSERTA	Part No.
Steel boss with spring		79B9595

	Boss Screw-on	Part No.
Steel boss with spring		79B9555

	Cover caps	
Steel		Nickel plated
Plain		70.1563
Screen print	Blum	70.1563.BL

Accessories	
	Chipboard screws for hinge boss fixing
3.5 x 15 mm	609.1500
3.5 x 17 mm	609.1700

	Boss cover cap for screw-on boss
Steel	Nickel plated
	70T3504

Planning

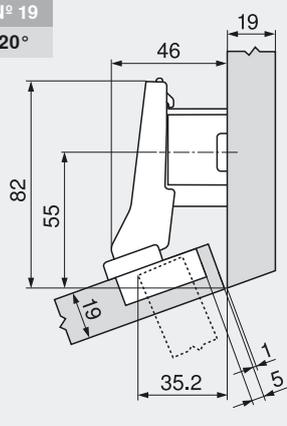
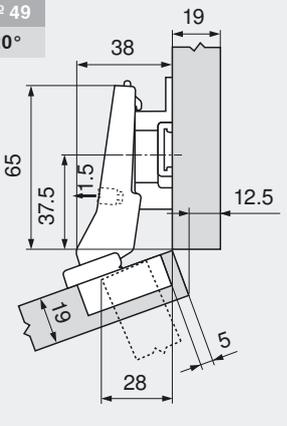
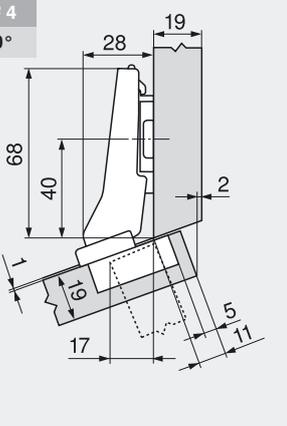
Important:

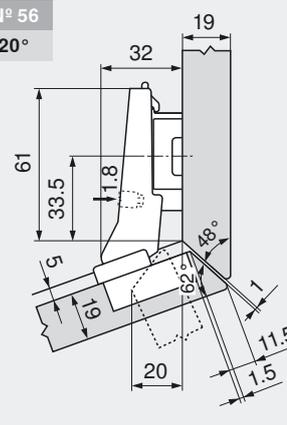
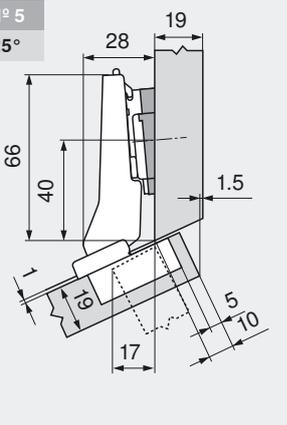
These dimensions are based on a 19 mm door and cabinet side thickness. Dimensions would need to be altered if either thickness varied from 19 mm.

A trial application is recommended. Some applications require the mounting plate to be moved from the standard fixing positions.

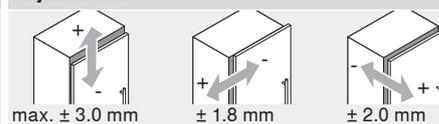
N° 18 15°	N° 48 15°	N° 55 15°
Part No.	Part No.	Part No.
Angled spacer -5° 171A5500	Angled spacer -5° 171A5500	Angled spacer -5° 171A5500
Mounting plate 9 mm 175H7190	Mounting plate 3 mm 173H7130	Mounting plate 0 mm 173H7100

Planning

N° 19 20° 		N° 49 20° 		N° 4 20° 	
	Part No.		Part No.		Part No.
Mounting plate	18 mm	175H7190.22	Mounting plate	9 mm	175H7190
			Mounting plate	0 mm	173H7100

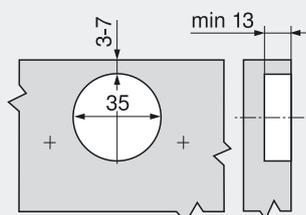
N° 56 20° 		N° 5 25°   min. 20			
	Part No.		Part No.		
Mounting plate	6 mm	175H9160	Angled spacer	+5°	171A5010
			Mounting plate	0 mm	173H7100

Adjustments

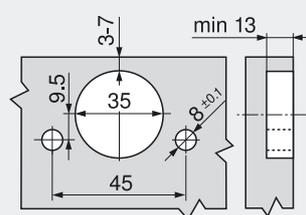


See mounting plates

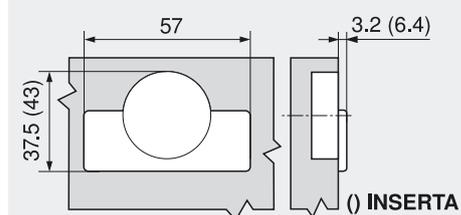
Screw-on



INSERTA assembly



Hinge boss dimensions

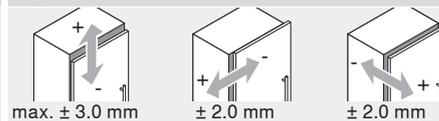


Planning

N° 37 10°				N° 3 15°				N° 38 15°			
		Part No.			Part No.			Part No.			
Angled spacer	-5°	171A5500	Mounting plate	9 mm	175H7190	Mounting plate	6 mm	175H9160			
Mounting plate	0 mm	173H7100									

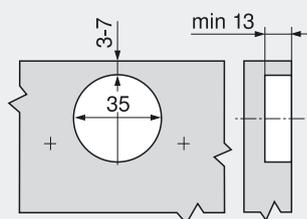
N° 39 20°										
		Part No.								
Angled spacer	+5°	171A5070								
Mounting plate	0 mm	173H7100								

Adjustments

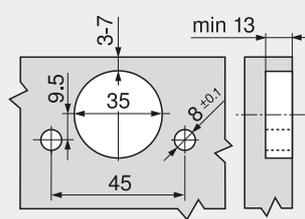


See mounting plates

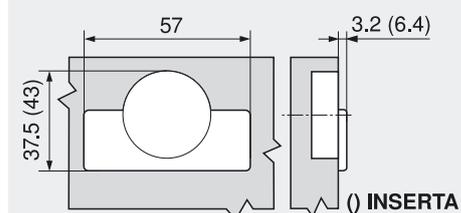
Screw-on



INSERTA / knock-in assembly



Hinge boss dimensions



() INSERTA

CLIP top BLUMOTION ±5° angled application

Product



Description

- All metal hinge, nickel plated
- ±5° angled application
- With integrated **BLUMOTION**
- With **BLUMOTION** deactivation facility
- 95° opening angle
- with convenient spiral-tech depth adjustment
- Compatible with existing mounting plates
- With closing mechanism (spring)
- Tool-free door to cabinet assembly and removal
- 3-dimensional adjustment (with relevant mounting plate)
- With **INSERTA** tool-free boss assembly

Application

	-5°		5°
	N° 15		N° 16
	49		49
	-		N° 46
	-		49
	-		N° 1
	-		49
	N° 35		N° 36
	49		49
	-		-

Order specification

Overlay application			
	Boss INSERTA		Part No.
Steel boss with spring			71B9590

Dual application			
	Boss INSERTA		Part No.
Steel boss with spring			71B9690

Inset application			
	Boss INSERTA		Part No.
Steel boss with spring			71B9790

	Boss Screw-on		
Steel boss with spring			71B9550

	Boss Screw-on		
Steel boss with spring			71B9650

	Boss Screw-on		
Steel boss with spring			71B9750

Cover caps			
	Steel	Nickel plated	
Plain			70.1563
Stamped	Blum		70.1563.BP

Cover caps			
	Steel	Nickel plated	
Plain			70.1663
Stamped	Blum		70.1663.BP

Cover caps			
	Steel	Nickel plated	
Plain			70.1663
Stamped	Blum		70.1663.BP

Accessories

	Boss cover cap for screw-on boss		
Steel	Nickel plated		70T3504

	Chipboard screws for hinge boss fixing		
3.5 x 15 mm			609.1500
3.5 x 17 mm			609.1700

Planning

Important:

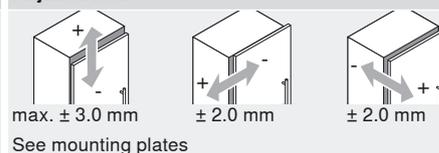
These dimensions are based on a 19 mm door and cabinet side thickness. Dimensions would need to be altered if either thickness varied from 19 mm. A trial application is recommended. Some applications require the mounting plate to be moved from the standard fixing positions.

Planning

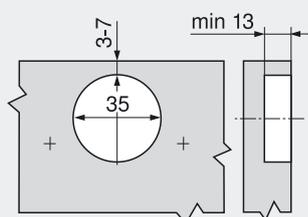
N° 15 -5°		N° 35 -5°		N° 16 5°	
Part No.		Part No.		Part No.	
Angled spacer	-5°	171A5500	Mounting plate	-5 mm	171A5500
Mounting plate	0 mm	173H7100	Mounting plate	0 mm	173H7100
Hinge with cranked hinge arm		Hinge with straight hinge arm		Hinge with double cranked hinge arm	

N° 46 5°		N° 1 5°		N° 36 5°	
Part No.		Part No.		Part No.	
Angled spacer	+5°	171A5070	Angled spacer	+5°	171A5010
Mounting plate	0 mm	173H7100	Mounting plate	0 mm	173H7100
Hinge with cranked hinge arm		Hinge with straight hinge arm		Hinge with straight hinge arm	

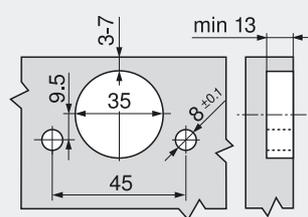
Adjustments



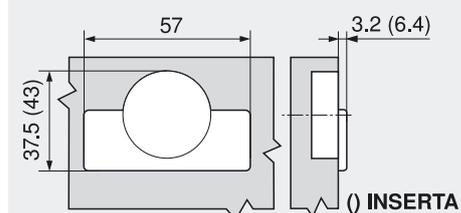
Screw-on



INSERTA assembly



Hinge boss dimensions



CLIP top BLUMOTION -15° III – angled hinge full overlay

Product



Description

- All metal hinge, nickel plated
- -15° III angled hinge
- 110° opening angle
- With integrated **BLUMOTION**
- With **BLUMOTION** deactivation facility
- with convenient spiral-tech depth adjustment
- Compatible with existing mounting plates
- With closing mechanism (spring)
- Tool-free door to cabinet assembly and removal
- 3-dimensional adjustment (with relevant mounting plate)
- With **INSERTA** tool-free boss assembly

Application

	-20°	-15°	-10°
	N° 12	N° 13	N° 14
	51	51	51
	-	-	-
	-	-	-
	N° 32	N° 33	N° 34
	51	51	51
	-	-	-
	-	-	-

Order specification

	Boss INSERTA	Part No.
Steel boss with spring		79B3493

	Boss Screw-on	Part No.
Steel boss with spring		79B3453

	Cover caps	
Steel		Nickel plated
Plain		70.1563
Screen print	Blum	70.1563.BL

Accessories	
	Chipboard screws for hinge boss fixing
3.5 x 15 mm	609.1500
3.5 x 17 mm	609.1700

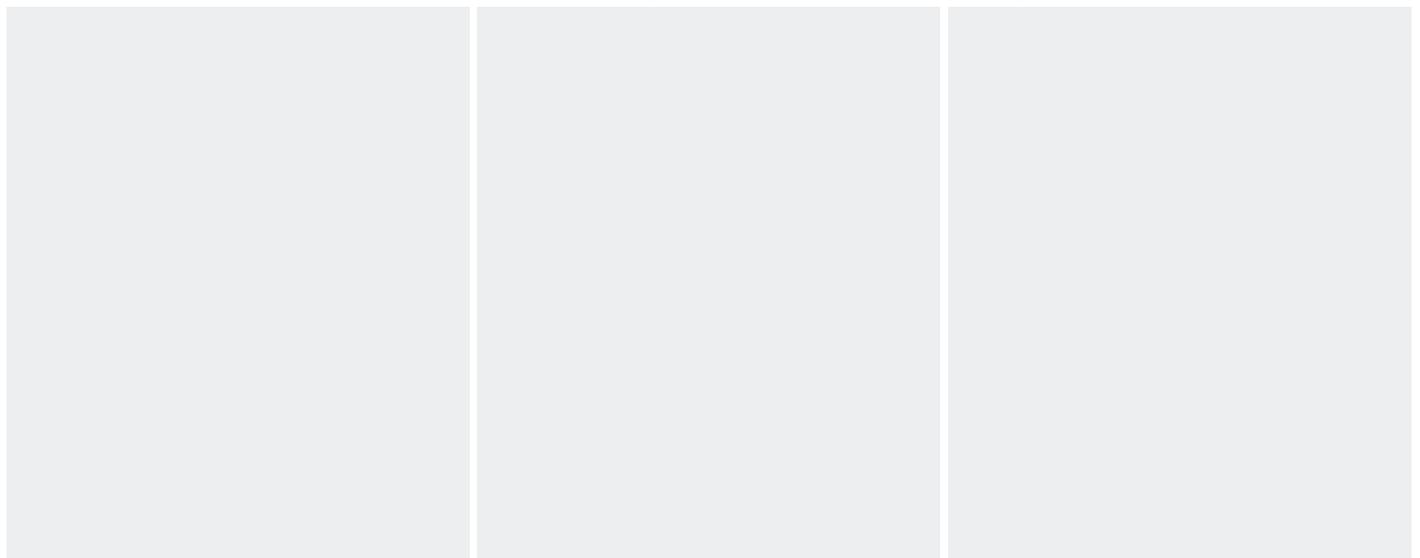
	Boss cover cap for screw-on boss	
Steel	Nickel plated	70T3504

Planning

Important:

These dimensions are based on a 19 mm door and cabinet side thickness. Dimensions would need to be altered if either thickness varied from 19 mm.

A trial application is recommended. Some applications require the mounting plate to be moved from the standard fixing positions.

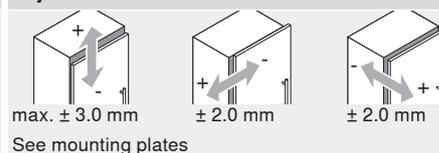


Planning

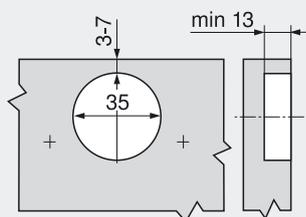
N° 12 -20°		N° 32 -20°		N° 13 -15°	
	Part No.		Part No.		Part No.
Angled spacer	-5°	171A5500	Angled spacer	-5°	171A5500
Mounting plate	6 mm	175H9160	Mounting plate	0 mm	173H7100
			Mounting plate	18 mm	175H7190.22

N° 33 -15°		N° 14 -10°		N° 34 -10°	
	Part No.		Part No.		Part No.
Mounting plate	0 mm	173H7100	Angled spacer	+5°	171A5070
			Mounting plate	9 mm	175H7190
			Angled spacer	+5°	171A5010
			Mounting plate	0 mm	173H7100

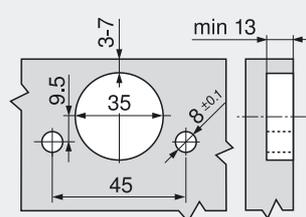
Adjustments



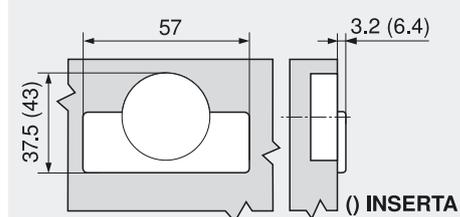
Screw-on



INSERTA assembly



Hinge boss dimensions



CLIP top BLUMOTION -30° III – angled hinge full overlay

Product



Description

- All metal hinge, nickel plated
- -30° III angled hinge
- 110° opening angle
- With integrated **BLUMOTION**
- With **BLUMOTION** deactivation facility
- with convenient spiral-tech depth adjustment
- Compatible with existing mounting plates
- With closing mechanism (spring)
- Tool-free door to cabinet assembly and removal
- 3-dimensional adjustment (with relevant mounting plate)
- With **INSERTA** tool-free boss assembly

Application

	-35°	-30°	-25°
	-	-	N° 11
	-	-	53
	-	-	-
	N° 29	N° 30	N° 31
	53	53	53
	-	-	-

Order specification

	Boss INSERTA	Part No.
Steel boss with spring		79B3491

	Boss Screw-on	Part No.
Steel boss with spring		79B3451

	Cover caps	
Steel		Nickel plated
Plain		70.1563
Screen print	Blum	70.1563.BL

Accessories	
	Chipboard screws for hinge boss fixing
3.5 x 15 mm	609.1500
3.5 x 17 mm	609.1700

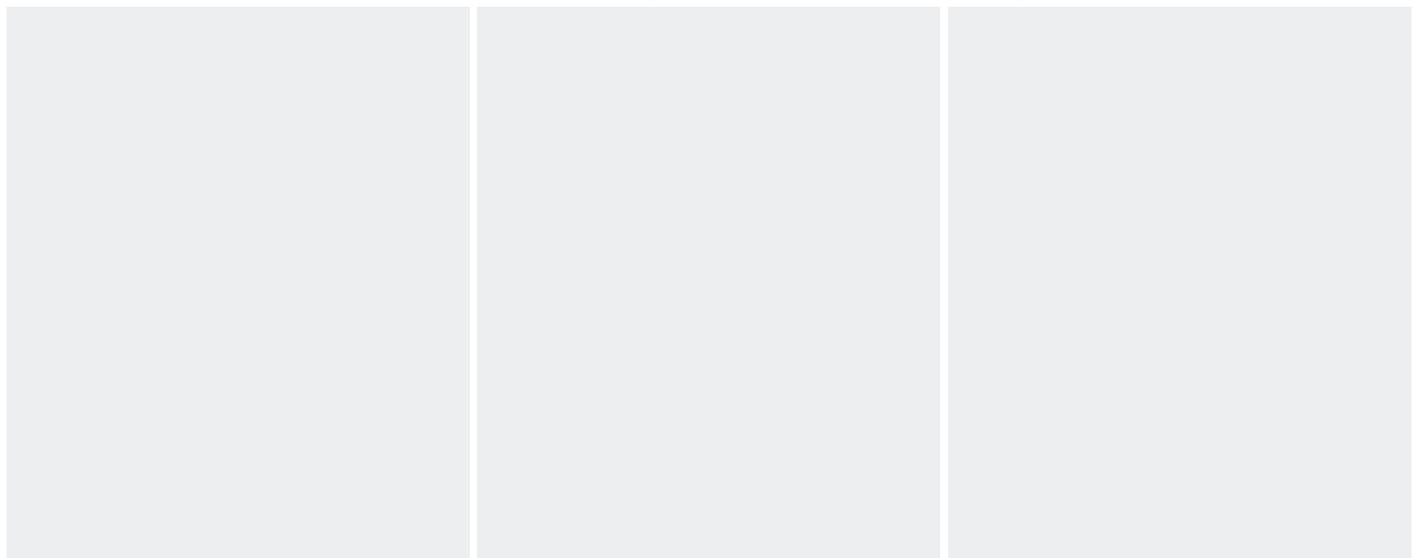
	Boss cover cap for screw-on boss	
Steel	Nickel plated	70T3504

Planning

Important:

These dimensions are based on a 19 mm door and cabinet side thickness. Dimensions would need to be altered if either thickness varied from 19 mm.

A trial application is recommended. Some applications require the mounting plate to be moved from the standard fixing positions.



Planning

N° 29
-35°

Part No.

Angled spacer	-5°	171A5500
Mounting plate	0 mm	173H7100

N° 30
-30°

Part No.

Angled spacer	-5°	171A5500
Mounting plate	3 mm	173H7130

N° 11
-25°

Part No.

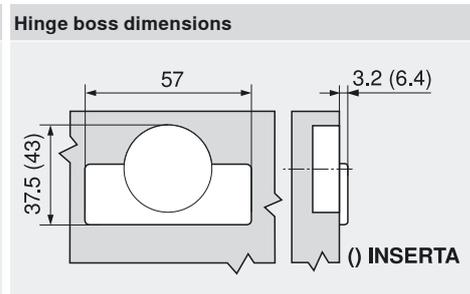
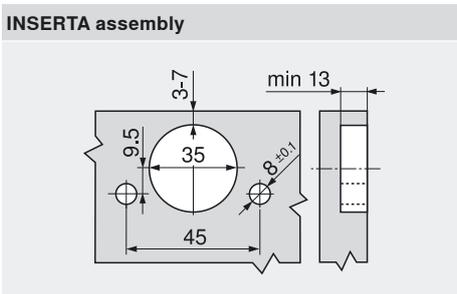
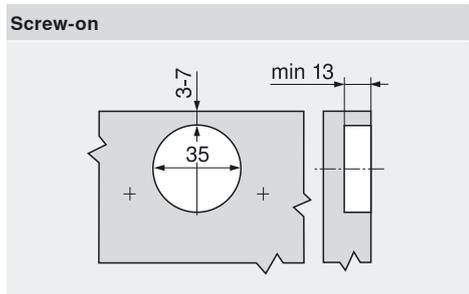
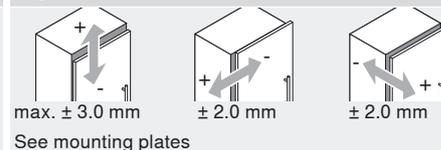
Angled spacer	+5°	171A5070
Mounting plate	9 mm	175H7190

N° 31
-25°

Part No.

Angled spacer	+5°	171A5040
Mounting plate	0 mm	173H7100

Adjustments



CLIP top BLUMOTION -45° III – angled hinge full overlay

Product



Description

- All metal hinge, nickel plated
- -45° III angled hinge
- 110° opening angle
- With integrated **BLUMOTION**
- With **BLUMOTION** deactivation facility
- with convenient spiral-tech depth adjustment
- Compatible with existing mounting plates
- With closing mechanism (spring)
- Tool-free door to cabinet assembly and removal
- 3-dimensional adjustment (with relevant mounting plate)
- With **INSERTA** tool-free boss assembly

Application

	-50°	-45°	-40°
	-	-	-
	-	-	-
	-	-	-
	N° 26	N° 27	N° 28
	55	55	55
	-	-	-

Order specification

	Boss INSERTA	Part No.
Steel boss with spring		79B3490

	Boss Screw-on	Part No.
Steel boss with spring		79B3450

	Cover caps	
Steel		Nickel plated
Plain		70.1563
Screen print	Blum	70.1563.BL

Accessories	
	Chipboard screws for hinge boss fixing
3.5 x 15 mm	609.1500
3.5 x 17 mm	609.1700

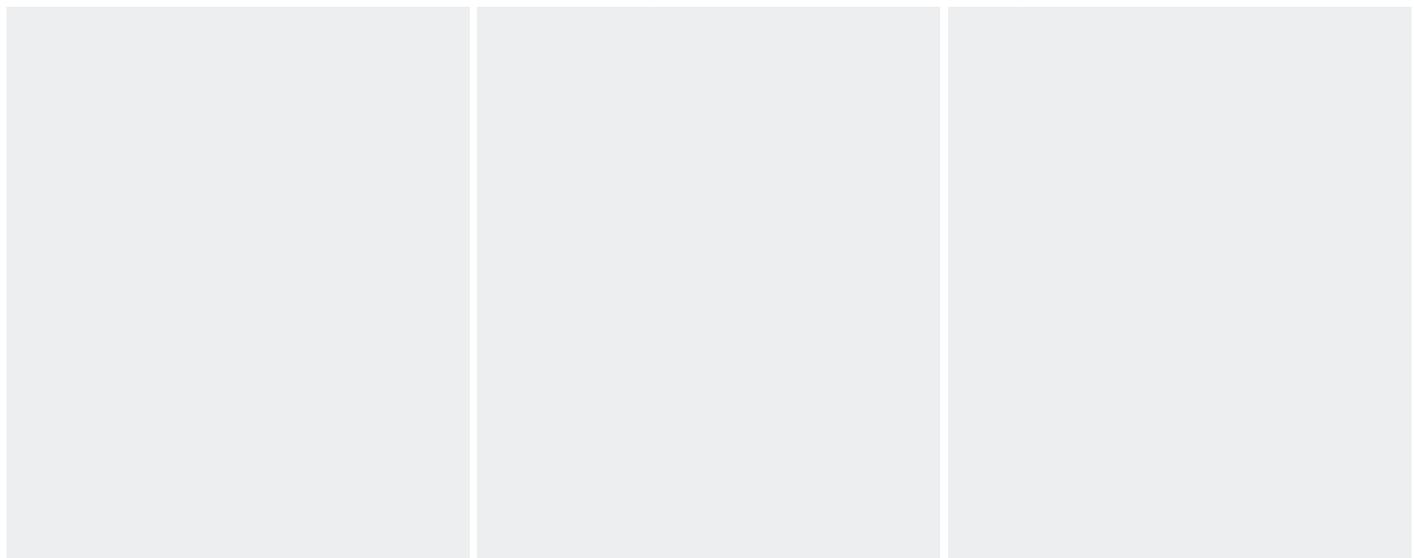
	Boss cover cap for screw-on boss	
Steel	Nickel plated	70T3504

Planning

Important:

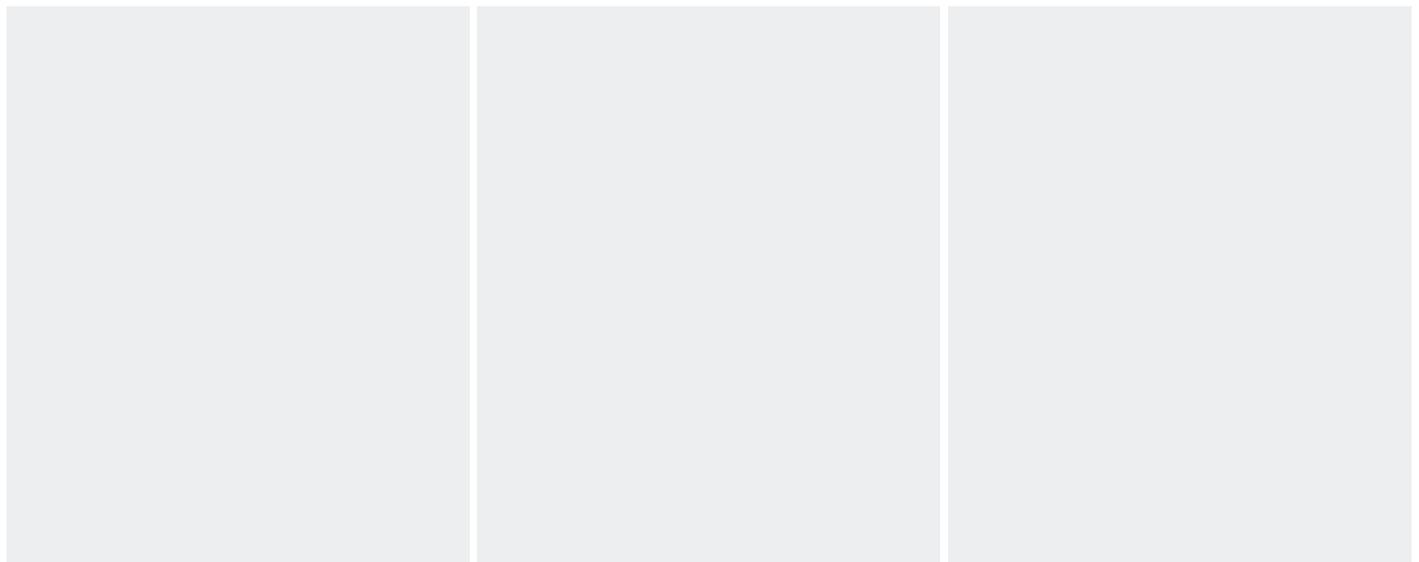
These dimensions are based on a 19 mm door and cabinet side thickness. Dimensions would need to be altered if either thickness varied from 19 mm.

A trial application is recommended. Some applications require the mounting plate to be moved from the standard fixing positions.

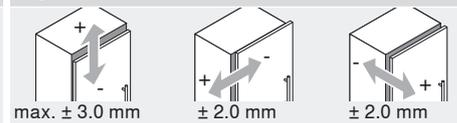


Planning

N° 26 -50°		N° 27 -45°		N° 28 -40°		
	Part No.		Part No.		Part No.	
Angled spacer	-5°	171A5500	Mounting plate 3 mm	173H7130	Angled spacer +5°	171A5040
Mounting plate	0 mm	173H7100			Mounting plate 0 mm	173H7100

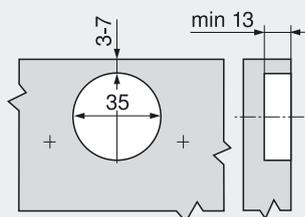


Adjustments

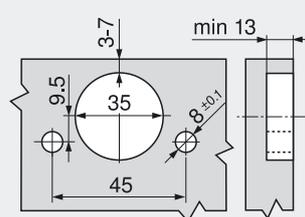


See mounting plates

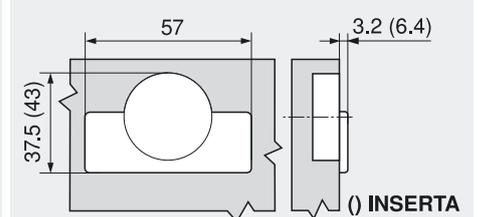
Screw-on



INSERTA assembly



Hinge boss dimensions



MODUL BLUMOTION

Blind corner hinge inset application

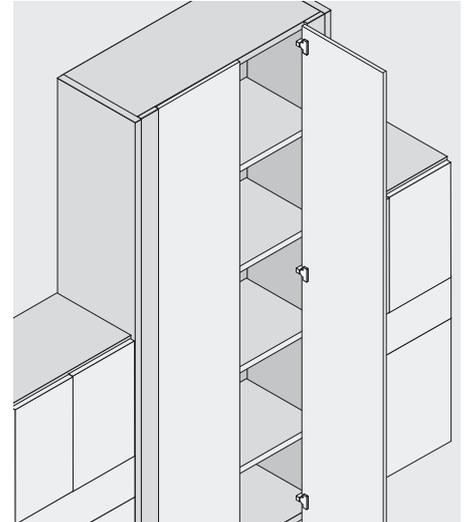
Product



Description

- All metal hinge, nickel plated
- Hinge for blind corner applications
- 95° opening angle
- With integrated **BLUMOTION**
- With **BLUMOTION** deactivation facility
- with convenient spiral-tech depth adjustment
- Compatible with existing mounting plates

Application



Order specification

Inset		
	Boss Screw-on	
Steel boss with spring		99B9550
	Boss EXPANDO	Part No.
Steel boss with spring		 99B958E
	Mounting plate Zinc	
Spacing	3 mm	199.8130

Cover caps		
	Steel	Nickel plated
Plain		90M2503
Stamped	Blum	90M2503.BP

Accessories

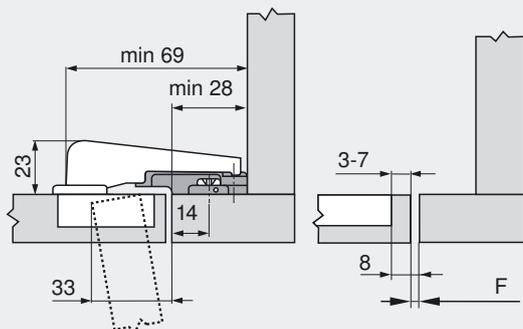
	Chipboard screws for hinge boss fixing			Boss cover cap for screw-on/knock-in boss	
3.5 x 15 mm		609.1500	Steel	Nickel plated	70T3504
3.5 x 17 mm		609.1700			

Planning

Hinge dimensions and gap calculation based on factory setting (mounting plate spacing = 3 mm)

Hinge and door protrusion at full opening angle

Inset



Fixing position from inside edge of muntin: 14 mm
Special mounting plate for blind corner application: 199.8130

F Gap

Minimum gap for doors with radiused edges (R = 1 mm) based on factory setting

Drilling distance	Door thickness											
	16	18	19	20	22	24	26	28	29	30	31	32
3	0.2	0.3	0.4	0.5	0.8	1	1.5	1.9	A trial application is recommended			
4	0.2	0.3	0.4	0.5	0.7	1	1.4	1.8				
5	0.2	0.3	0.4	0.5	0.7	1	1.4	1.8				
6	0.2	0.3	0.4	0.5	0.7	1	1.4	1.8				
7	0.2	0.3	0.4	0.5	0.7	0.9	1.4	1.7				

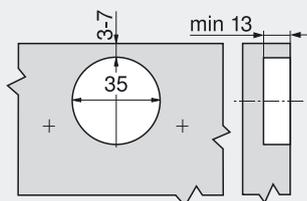
Adjustments



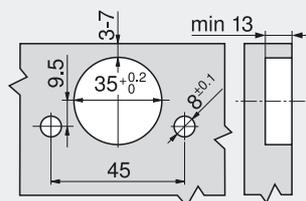
max. ± 2.0 mm ± 2.0 mm ± 0.8 mm

See mounting plates

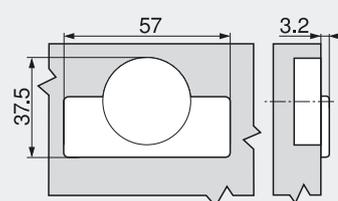
Screw-on



EXPANDO assembly



Hinge boss dimensions



CLIP top 110° hinge

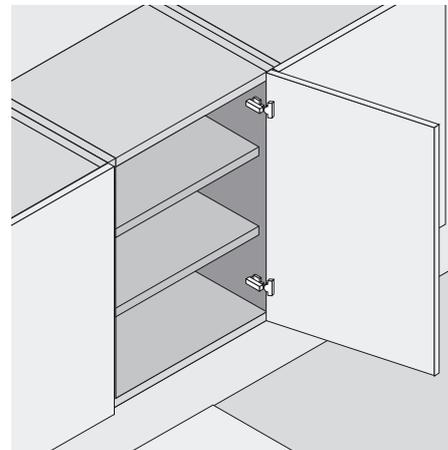
Product



Description

- All metal hinge, nickel plated
- 110° opening angle
- with convenient spiral-tech depth adjustment
- Compatible with existing mounting plates
- With or without closing mechanism (spring)
- Tool-free door to cabinet assembly and removal
- 3-dimensional adjustment (with relevant mounting plate)
- With **INSERTA** tool-free boss assembly

Application



Order specification

Overlay application			
	Boss INSERTA		Part No.
Steel boss with spring			71T3590
Steel boss unsprung			70T3590.TL

Dual application			
	Boss INSERTA		Part No.
Steel boss with spring			71T3690
Steel boss unsprung			70T3690.TL

Inset application			
	Boss INSERTA		Part No.
Steel boss with spring			71T3790
Steel boss unsprung			70T3790.TL

Screw-on			
	Boss Screw-on		
Steel boss with spring			71T3550
Steel boss unsprung			70T3550.TL

Screw-on			
	Boss Screw-on		
Steel boss with spring			71T3650
Steel boss unsprung			70T3650.TL

Screw-on			
	Boss Screw-on		
Steel boss with spring			71T3750
Steel boss unsprung			70T3750.TL

Knock-in				
	Boss Knock-in		40	MZM.0040
Steel boss with spring				71T3580

Knock-in				
	Boss Knock-in		40	MZM.0040
Steel boss with spring				71T3680

Knock-in				
	Boss Knock-in		40	MZM.0040
Steel boss with spring				71T3780

Cover caps			
	Steel		Nickel plated
Plain			70.1503
Stamped	Blum		70.1503.BP
No cover cap is required when using BLUMOTION 973A0500.01.			

Cover caps			
	Steel		Nickel plated
Plain			70.1663
Stamped	Blum		70.1663.BP
No cover cap is required when using BLUMOTION 973A0600.			

Cover caps			
	Steel		Nickel plated
Plain			70.1663
Stamped	Blum		70.1663.BP
No cover cap is required when using BLUMOTION 973A0700.			

Accessories

Chipboard screws for hinge boss fixing		
3.5 x 15 mm		609.1500
3.5 x 17 mm		609.1700

Boss cover cap for screw-on/knock-in boss		
Steel	Nickel plated	70T3504

Opening angle stop 86°		
Nylon		70T3553

Hinge boss spacing		
1.5 mm	Boss	Screw-on
		70T3507.21

CLIP top 110° special hinge

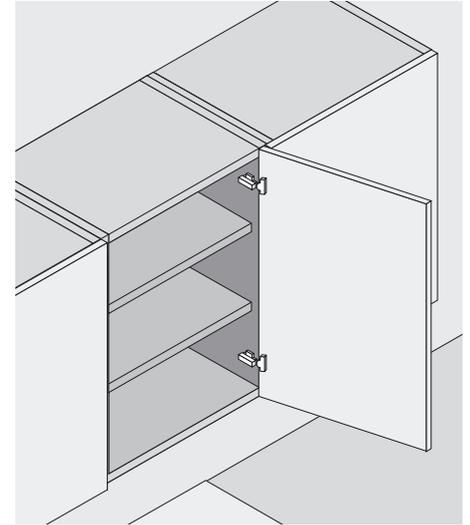
Product



Description

- All metal hinge, nickel plated
- Hinge with large overlay for thick cabinet sides
- 110° opening angle
- with convenient spiral-tech depth adjustment
- Compatible with existing mounting plates
- With or without closing mechanism (spring)
- Tool-free door to cabinet assembly and removal
- 3-dimensional adjustment (with relevant mounting plate)
- With **INSERTA** tool-free boss assembly

Application



Order specification

Overlay application			Part No.
Boss INSERTA			
Steel boss with spring			73T3590
Steel boss unsprung			72T3590.TL

Boss Screw-on			
Steel boss with spring			73T3550
Steel boss unsprung			72T3550.TL

Boss Knock-in		MZM.0040	
Steel boss with spring			73T3580

Cover caps		
Steel		Nickel plated
Plain		70.1503
Stamped	Blum	70.1503.BP

No cover cap is required when using BLUMOTION 973A0500.01.

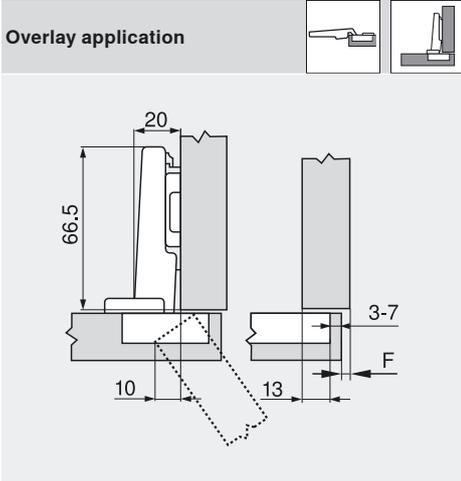
Accessories			
Chipboard screws for hinge boss fixing		Boss cover cap for screw-on/knock-in boss	Opening angle stop 86°
3.5 x 15 mm	609.1500	Steel	Nickel plated
3.5 x 17 mm	609.1700		70T3504
			Nylon
			70T3553

Hinge boss spacing		
1.5 mm	Boss	Screw-on
		70T3507.21

Planning

Hinge dimensions and gap calculation based on factory setting (mounting plate spacing = 0 mm)

Hinge and door protrusion at full opening angle



F Gap

Drilling distance

	Front overlay																			
	7	8	9	10	11	12	13	14	15	16	17	18	19	20	7	8	9	10	11	12
0															3	4	5	6	7	
3															3	4	5	6	7	
6															3	4	5	6	7	
9	3	4	5	6	7															

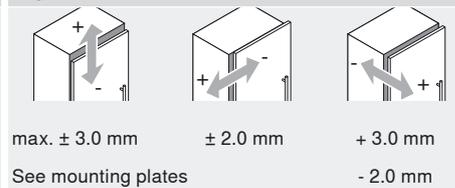
↑ Mounting plate

Minimum gap for doors with radiused edges (R = 1 mm) based on factory setting

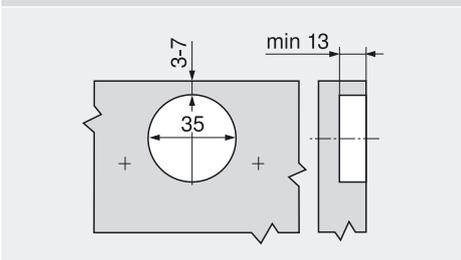
	Door thickness												
	16	18	19	20	21	22	23	24	25	26	28	30	32
3	0.5	0.8	1.0	1.2	1.5	1.8	2.2	2.7	3.5	4.3			
4	0.5	0.8	1.0	1.2	1.4	1.7	2.0	2.5	3.1	3.8			
5	0.5	0.8	0.9	1.2	1.4	1.7	2.0	2.4	2.9	3.4			
6	0.5	0.8	0.9	1.2	1.3	1.6	1.9	2.3	2.7	3.2			
7	0.5	0.8	0.9	1.1	1.3	1.6	1.9	2.2	2.6	3.0			
Additional for + 2 mm side adjustment													
	+0.2	+0.4	+0.4	+0.5	+0.5	+0.5	+0.5	+0.5	+0.5	+0.5	+0.5	+0.5	+0.5

A trial application is recommended

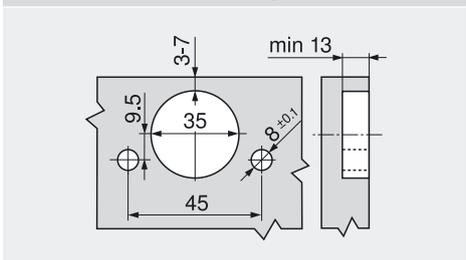
Adjustments



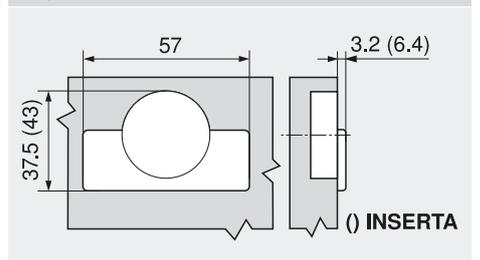
Screw-on



INSERTA / knock-in assembly

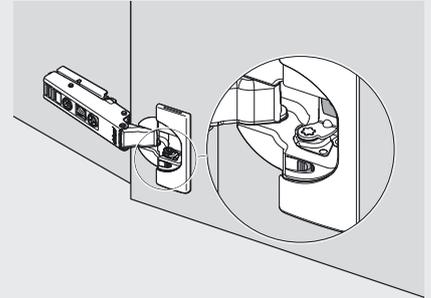
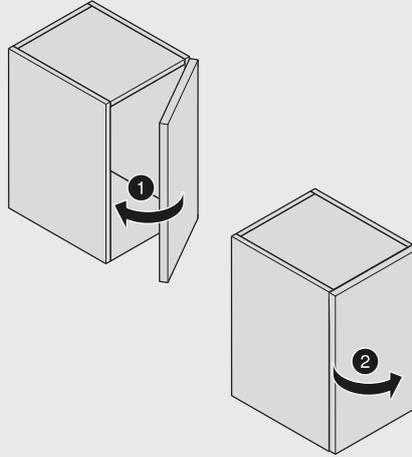
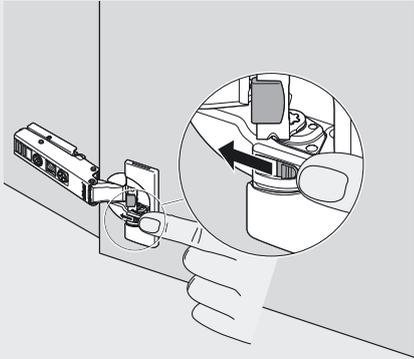


Hinge boss dimensions

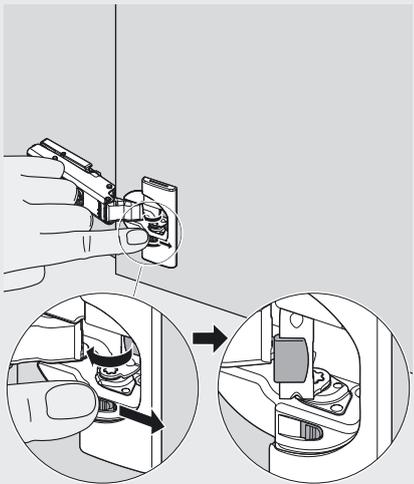


Assembly and adjustment

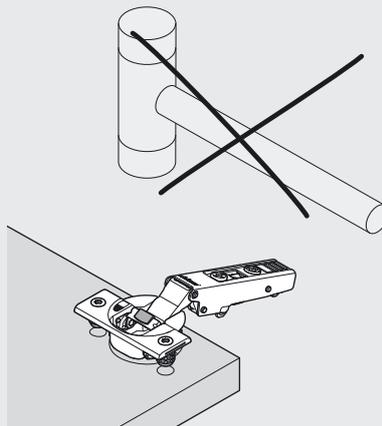
BLUMOTION deactivation (for small or light fronts)



BLUMOTION activation

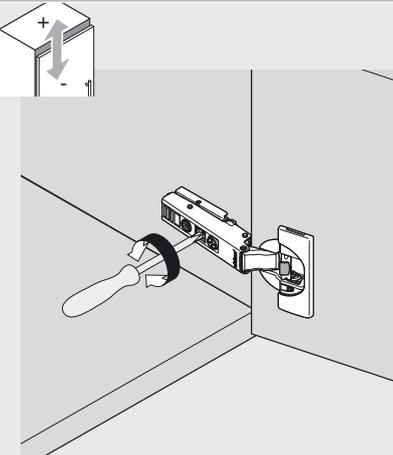


Note

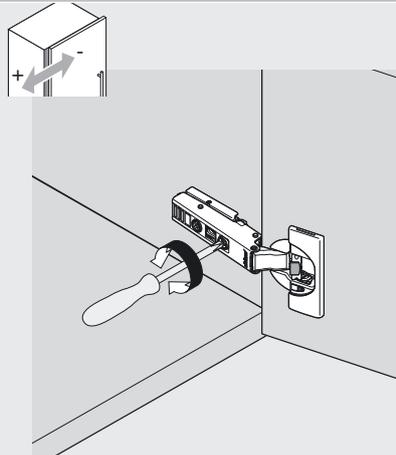


Do not use a hammer to insert the hinge into the drill hole.

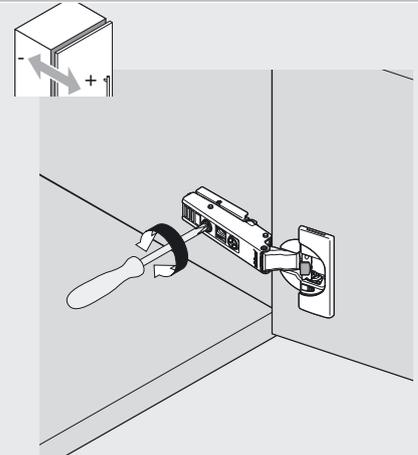
3-dimensional adjustment



Height adjustment via mounting plate

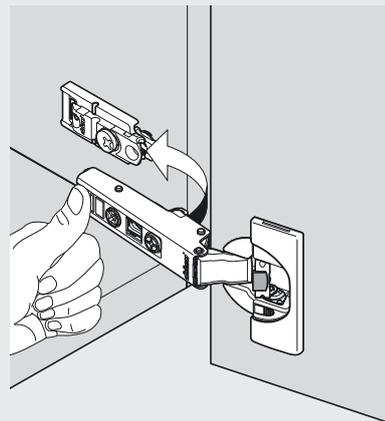
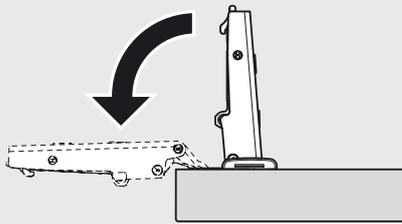
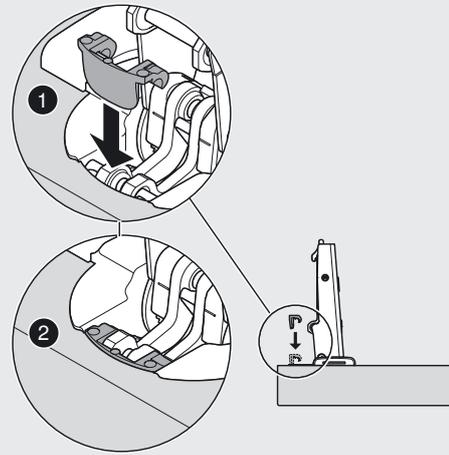
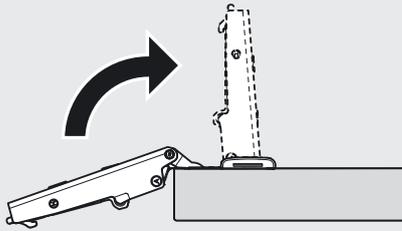


Side adjustment

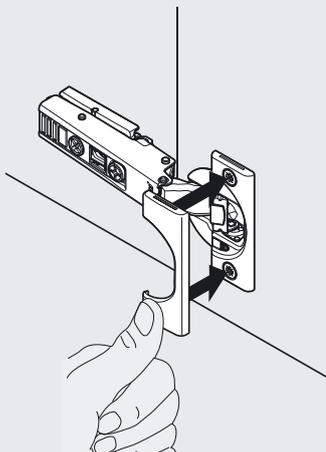


Depth adjustment

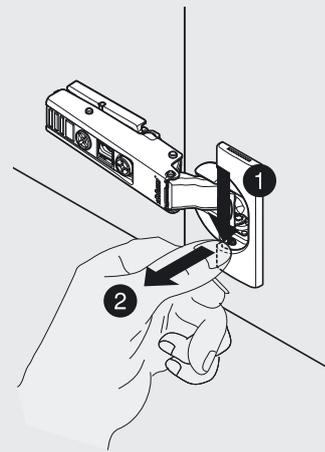
Opening angle stop assembly



Boss cover cap assembly



Boss cover cap removal





blum
↑

Our understanding of perfect motion

Blum turns the opening and closing of furniture into an experience that significantly increases the comfort of motion in the kitchen. Several thousand employees are continually working worldwide implementing our concept of the perfect motion possible. Within this process, we place the needs of the kitchen user as the focus of our actions. We are only satisfied when the kitchen user is satisfied. All of our partners who participate in the furniture making process profit from this focus.

For over 50 years, quality has been the highest principle for the development and manufacture of our products. Our fittings systems shout "high quality" with their well-thought-out function, recognised design and high durability. They are designed to inspire and trigger fascination for perfect motion. We also set the bar very high for the services we offer. They must provide the best possible support to our partners.

So that we can target our efforts at all levels, we are in a constant dialogue with kitchen users and regularly exchange information with furniture manufacturers, carpenters and distributors.



ISO 9001
Certified Quality
System



ISO 14001
Certified Environmental
System



ISO 50001
Certified Energy
System

The Blum logo, consisting of a stylized arrow pointing up and to the right, followed by the word "blum" in a bold, lowercase, sans-serif font, with a registered trademark symbol (®) to the upper right.

Julius Blum GmbH
Furniture Fittings Mfg.
6973 Höchst, Austria
Tel.: +43 5578 705-0
Fax: +43 5578 705-44
E-mail: info@blum.com
www.blum.com

All content is copyrighted by Blum.
Subject to technical modifications and changes to the range without notice.
Printed in Austria · IDNR: XXX-XXX.X · EP-150/2 EN-AL/08.13-1 ■ Lighthaus