



CLIP top BLUMOTION

Everything inside

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

Perfecting motion 



CLIP top BLUMOTION is setting new benchmarks

High-tech for perfect motion



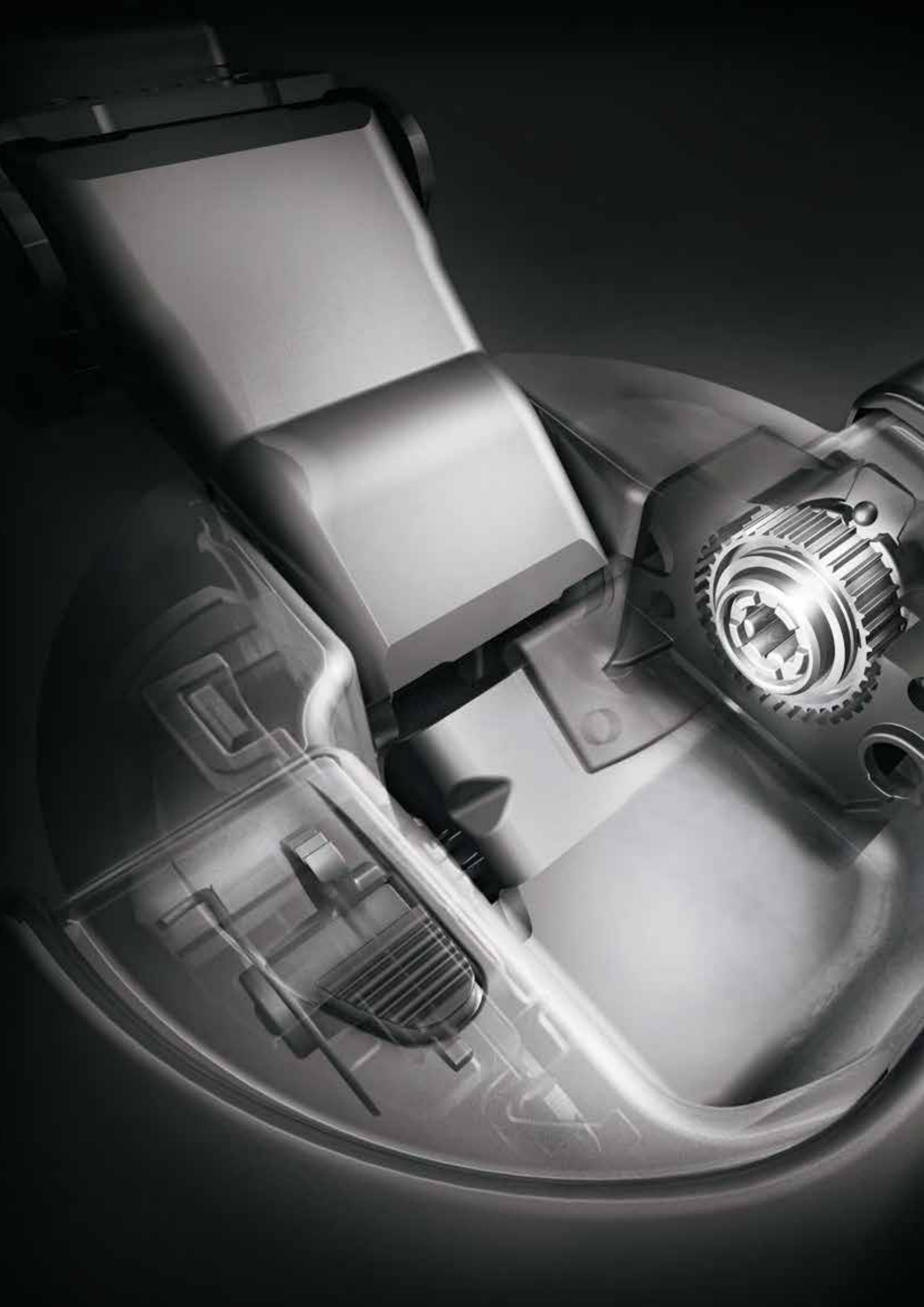
With CLIP top BLUMOTION, you have "everything inside." Because

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.

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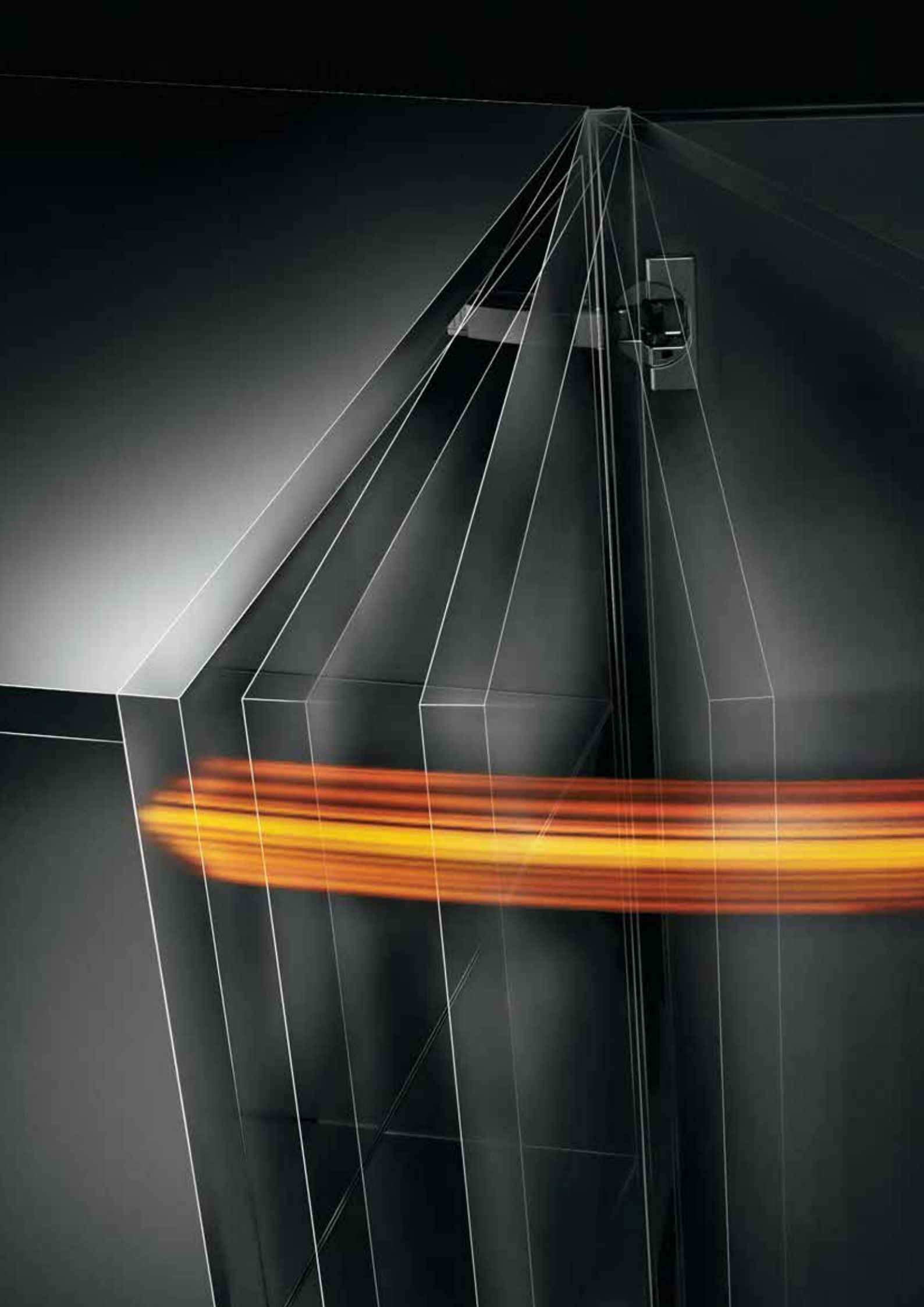
A detailed close-up photograph of a BLUMOTION hinge mechanism, showing the internal components and the smooth, curved surface of the hinge boss. The lighting highlights the precision engineering of the device.

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.



A close-up, black and white photograph of a door hinge mechanism, showing the curved metal plates and the central pin. The image is positioned on the left side of the page, partially obscured by the orange header bar.

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.



Space for new opportunities

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



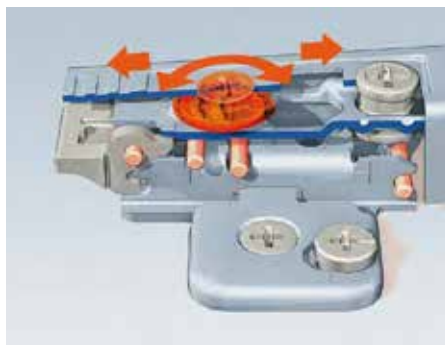
CLIP top BLUMOTION is extremely user friendly.
This provides many advantages for assembly and adjustment.



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

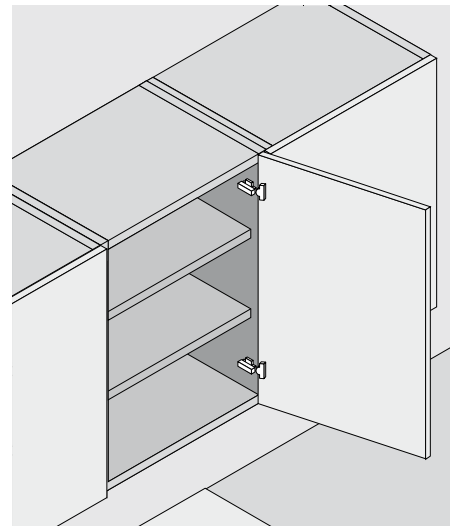
Product



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			
	Boss INSERTA		Part No.
Steel boss with spring			71B3590

Dual application			
	Boss INSERTA		Part No.
Steel boss with spring			71B3690

Inset application			
	Boss INSERTA		Part No.
Steel boss with spring			71B3790

	Boss Screw-on		
Steel boss with spring			71B3550

	Boss Screw-on		
Steel boss with spring			71B3650

	Boss Screw-on		
Steel boss with spring			71B3750

	Boss Knock-in		MZM.0040
Steel boss with spring			71B3580

	Boss Knock-in		MZM.0040
Steel boss with spring			71B3680

	Boss Knock-in		MZM.0040
Steel boss with spring			71B3780

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

Cover caps		
	Steel	Nickel plated
Plain		70.1663
Screen print	Blum	70.1663.BL

Cover caps		
	Steel	Nickel plated
Plain		70.1663
Screen print	Blum	70.1663.BL

Accessories

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

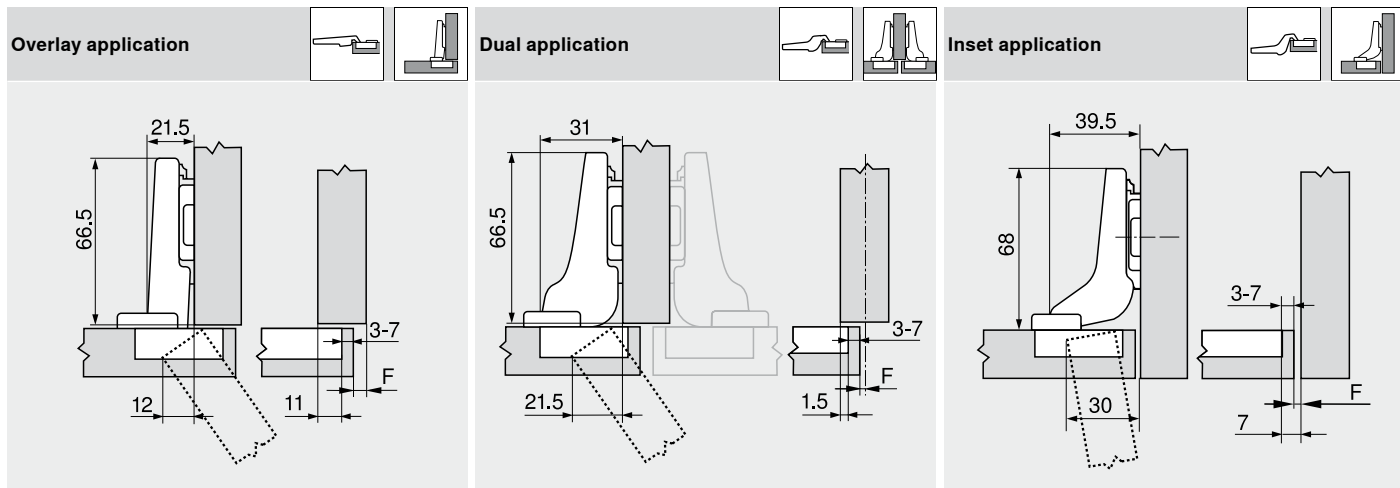
	Boss cover cap for screw-on/knock-in boss	
Steel	Nickel plated	70T3504

	Opening angle stop 86°	
Nylon		70T3553

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 + 1.5 mm

Drilling distance

Front overlay																	
5	6	7	8	9	10	11	12	13	14	15	16	17	18				
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																	

Front overlay																	
4.5	3.5	2.5	1.5	0.5	0.5	1.5	2.5	3.5	4.5	5.5	6.5	7.5	8.5				
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																	

Front overlay														
										-4	-3	-2	-1	0
0										3	4	5	6	7
3														
6														
9														
Mounting plate														

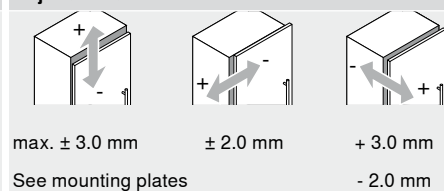
Minimum gap for doors with radiused edges (R = 1 mm) based on factory setting



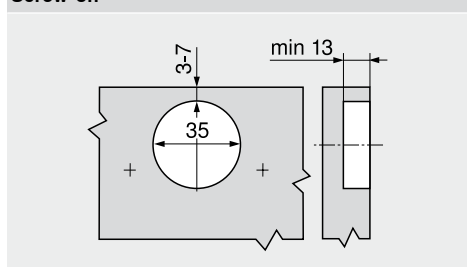
Drilling distance

	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	A trial application is recommended		
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			

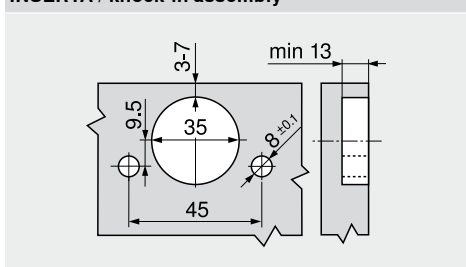
Adjustments



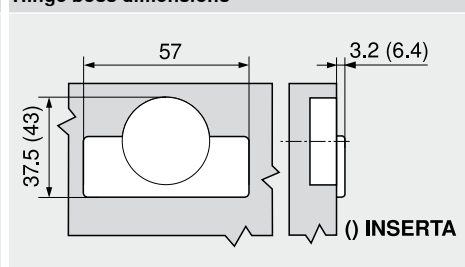
Screw-on



INSERTA / knock-in assembly



Hinge boss dimensions



CLIP top BLUMOTION 110° special hinge

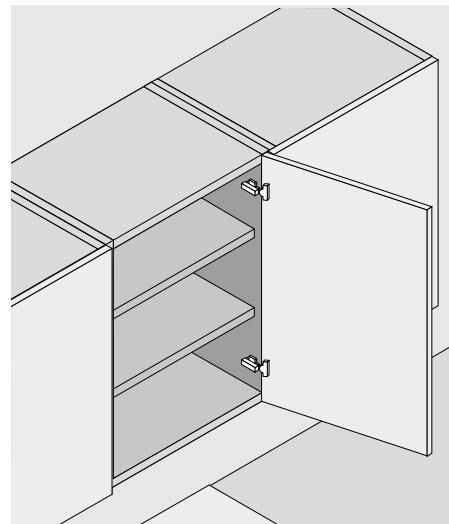
Product



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

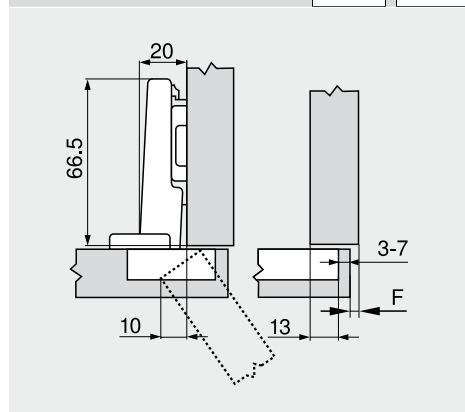
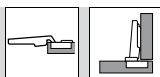
Accessories					
	Chipboard screws for hinge boss fixing			Boss cover cap for screw-on/knock-in boss	
3.5 x 15 mm		609.1500	Steel	Nickel plated	70T3504
3.5 x 17 mm		609.1700			Opening angle stop 86°
			Nylon		70T3553

Planning

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

Hinge and door protrusion at full opening angle

Overlay application

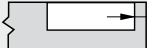


F Gap

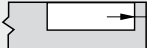
Drilling distance

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															

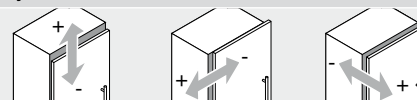
Minimum gap for doors with radiuses edges (R = 1 mm) based on factory setting



Drilling distance

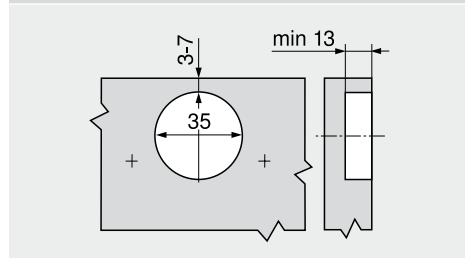
		Door thickness												28	30	32
		16	18	19	20	21	22	23	24	25	26					
 Drilling distance	3	0.5	0.8	1.0	1.2	1.5	1.8	2.2	2.7	3.5	4.3	A trial application is recommended				
	4	0.5	0.8	1.0	1.2	1.4	1.7	2.0	2.5	3.1	3.8					
	5	0.5	0.8	0.9	1.2	1.4	1.7	2.0	2.4	2.9	3.4					
	6	0.5	0.8	0.9	1.2	1.3	1.6	1.9	2.3	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					

Adjustments

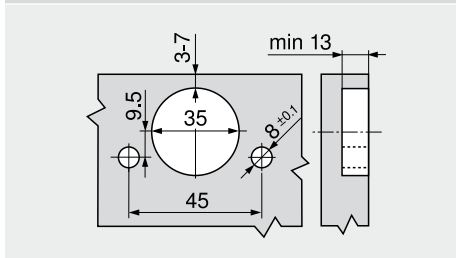


max. ± 3.0 mm ± 2.0 mm $+ 3.0$ mm
See mounting plates $- 2.0$ mm

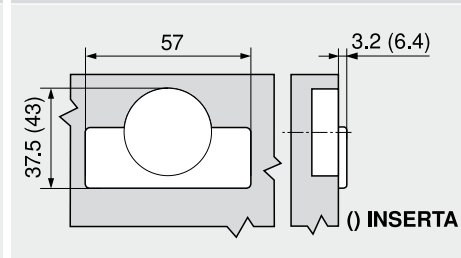
Screw-on



INSERTA / knock-in assembly



Hinge boss dimensions



CLIP top 155° hinge

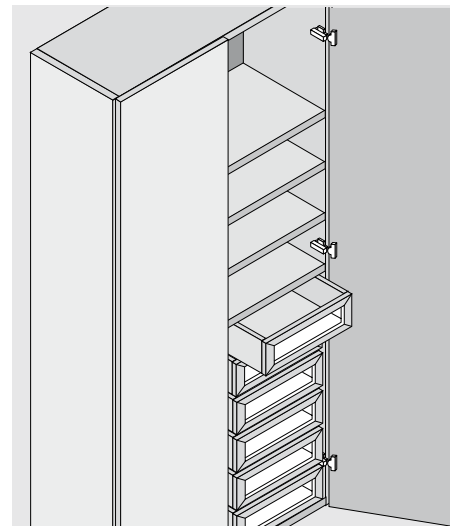
Product



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			71T7540N
Zinc boss unsprung			70T7540NTL

Dual application			
	Boss INSERTA		Part No.
Zinc boss with spring			71T7640N

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

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

	BLUMOTION 973A		973A7000
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	BLUMOTION 973A		973A7000
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	Cover caps		
Steel		Nickel plated	
Plain			70.7503
Screen print			70.7503.BL
No cover cap is required when using BLUMOTION 973A.			

	Cover caps		
Steel		Nickel plated	
Plain			70.7503
Screen print			70.7503.BL
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

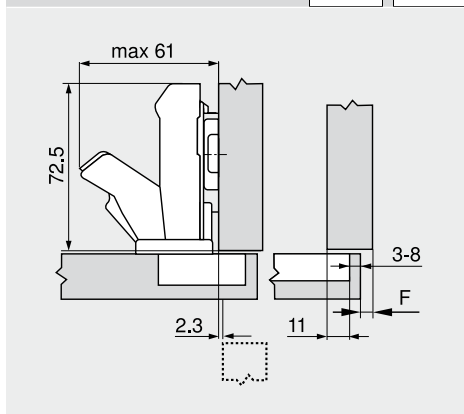
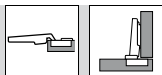
	Opening angle stop 110°
Nylon	70T7503N

Planning

Hinge dimensions and gap calculation based on factory setting (mounting plate spacing = 0 mm or 9 mm)

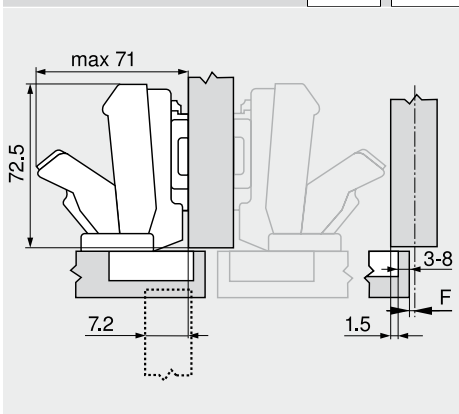
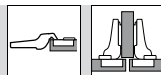
Door protrusion for 90° opening angle

Overlay application 0-protrusion hinge

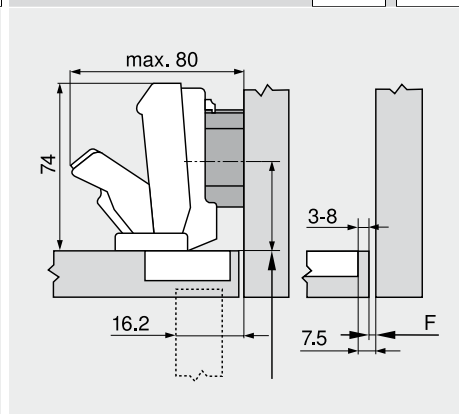
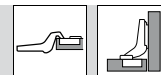


F Gap

Dual application



Inset application



Drilling distance

	Front overlay																	
	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
0																		
3																		
6																		
9																		

Mounting plate

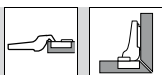
		Front overlay															
		-4.5	-1.5	-0.5	0.5	1.5	2.5	3.5	4.5	5.5	6.5	7.5	8.5	9.5	10.5	11.5	
0									3	4	5	6	7	8			
3						3	4	5	6	7	8						
6			3	4	5	6	7	8									
9		3	6	7	8												
↑ Mounting plate																	

Mounting plate

	Front overlay												
								-4.5	-3.5	-2.5	-1.5	-0.	
0													
3													
6													
9								3	4	5	6	7	
 Mounting plate													

Mounting plate

Mitred application



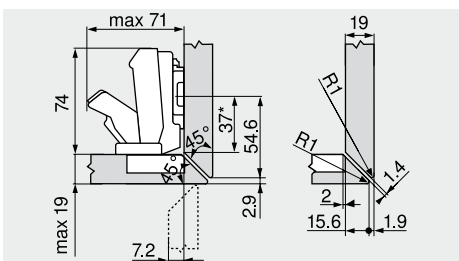
Mounting plate

0 mm

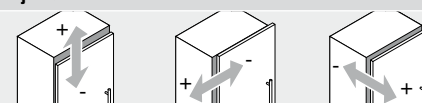
Hinge for dual applications

Surrounding mitred applications for 19 mm door thickness

* 37 mm for mounting plate with dimension A=37 mm



Adjustments



max. ± 3.0 mm

± 2.0 mm

+ 3.0 mm

See mounting plates

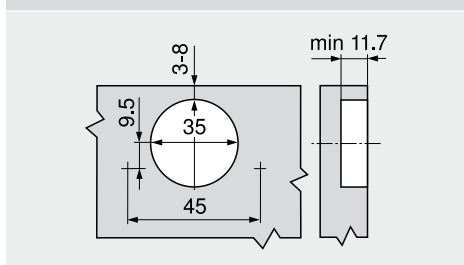
- 2.0 mm

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

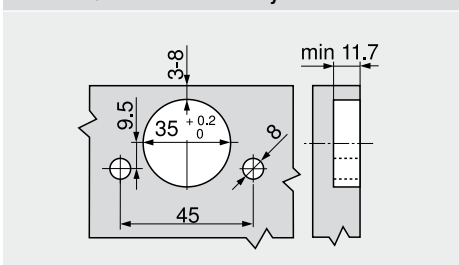
For doors up to 24 mm thick no gap is required.

We recommend a trial application for door thicknesses more than 24 mm or an application adjacent to the wall.

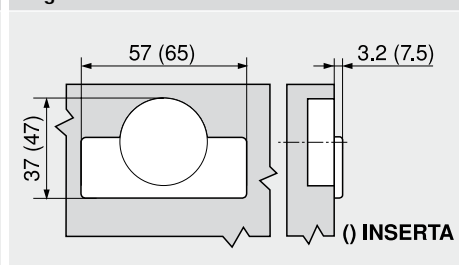
Screw-on



INSERTA / knock-in assembly



Hinge boss dimensions



CLIP top BLUMOTION Profile door hinge

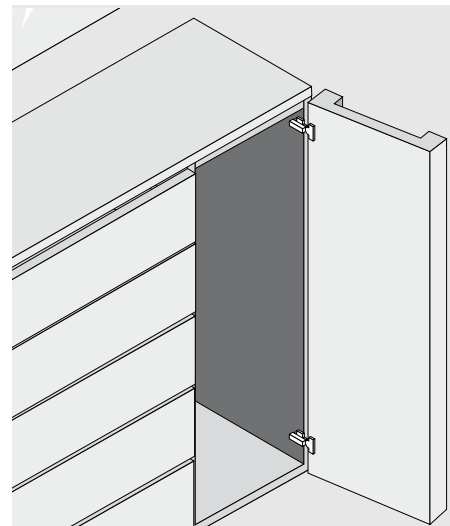
Product



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			
	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

	Boss Knock-in		MZM.0040
Steel boss with spring			71B9580

	Boss Knock-in		MZM.0040
Steel boss with spring			71B9680

	Boss Knock-in		MZM.0040
Steel boss with spring			71B9780

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

Cover caps		
	Steel	Nickel plated
Plain		70.1663
Screen print	Blum	70.1663.BL

Cover caps		
	Steel	Nickel plated
Plain		70.1663
Screen print	Blum	70.1663.BL

Accessories

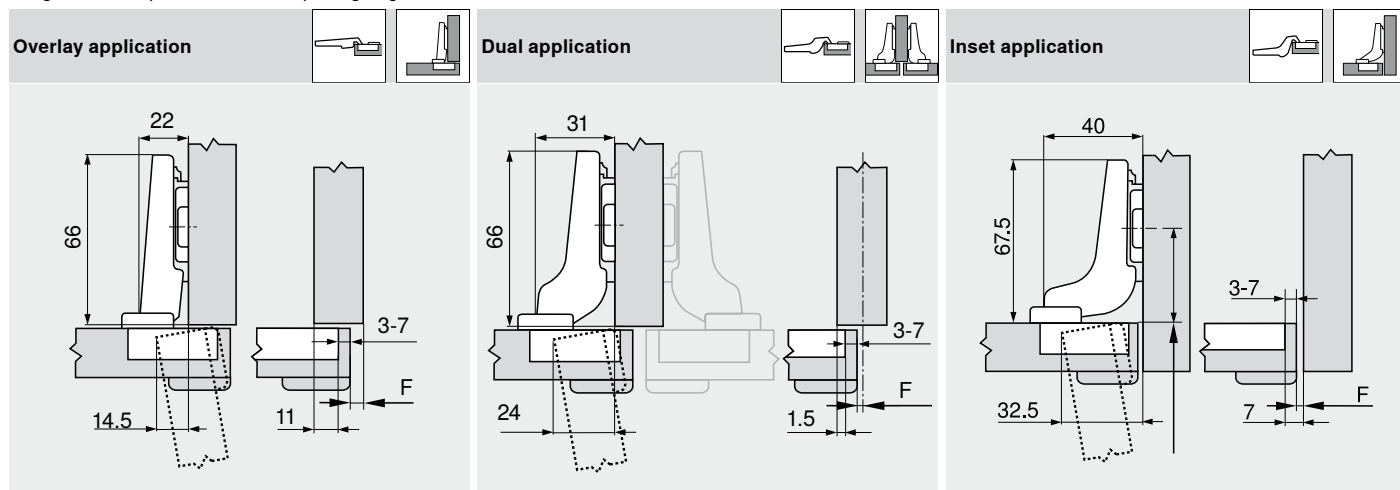
	Chipboard screws for hinge boss fixing	
3.5 x 15 mm		609.1500
3.5 x 17 mm		609.1700

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

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 + 1.5 mm

Drilling distance

Front overlay																	
5	7	8	9	10	11	12	13	14	15	16	17	18					
0								3	4	5	6	7					
3					3	4	5	6	7								
6			3	4	5	6	7										
9	3	5	6	7													
⬆ Mounting plate																	

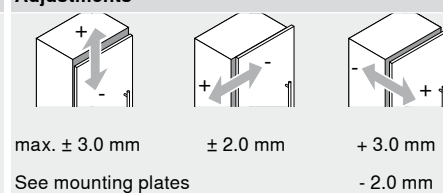
Front overlay														
-4.5	-2.5	-1.5	-0.5	0.5	1.5	2.5	3.5	4.5	5.5	6.5	7.5	8.5		
0								3	4	5	6	7		
3					3	4	5	6	7					
6			3	4	5	6	7							
9	3	5	6	7										
⬆ Mounting plate														

Front overlay														
										-4	-3	-2	-1	0
0										3	4	5	6	7
3														
6														
9														
⬆ Mounting plate														

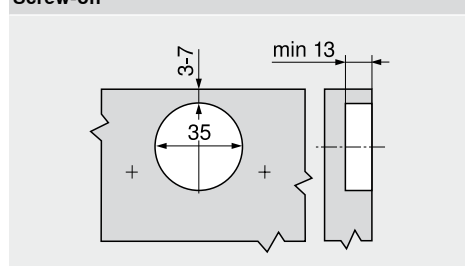
Minimum gap for doors with radiused edges (R = 1 mm) based on factory setting

	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	2.8	3.6	4.5	5.4
4	0.2	0.3	0.4	0.5	0.7	1	1.4	1.8	2.5	3.1	4.0	4.8
5	0.2	0.3	0.4	0.5	0.7	1	1.4	1.8	2.3	2.7	3.5	4.3
6	0.2	0.3	0.4	0.5	0.7	1	1.4	1.8	2.2	2.5	3.2	3.8
7	0.2	0.3	0.4	0.5	0.7	0.9	1.4	1.7	2.1	2.4	3.0	3.5
Additional for + 2 mm side adjustment												
	+0.1	+0.2	+0.2	+0.2	+0.3	+0.4	+0.4	+0.5	+0.4	+0.4	+0.4	+0.3

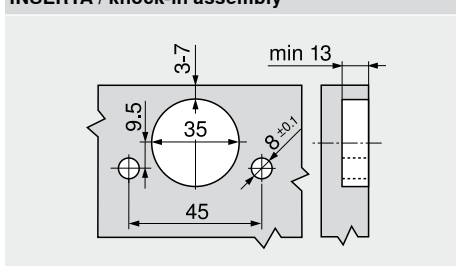
Adjustments



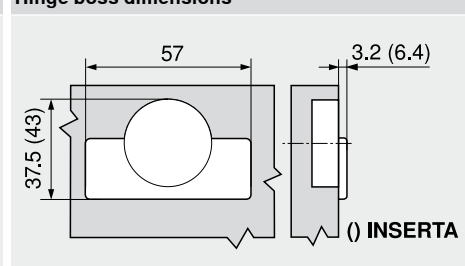
Screw-on



INSERTA / knock-in assembly



Hinge boss dimensions



CLIP top BLUMOTION Aluminium frame door hinge

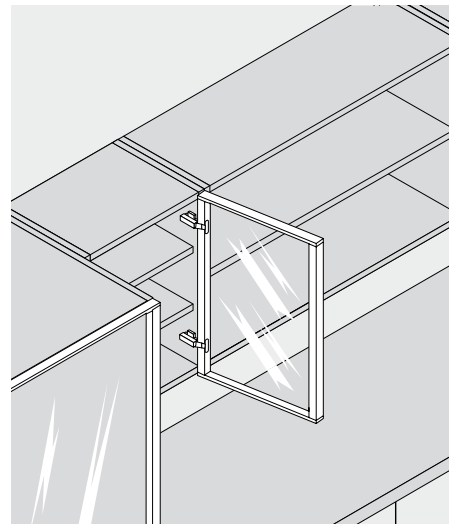
Product



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	Part No.	
Zinc boss with spring			71B950A

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

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

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

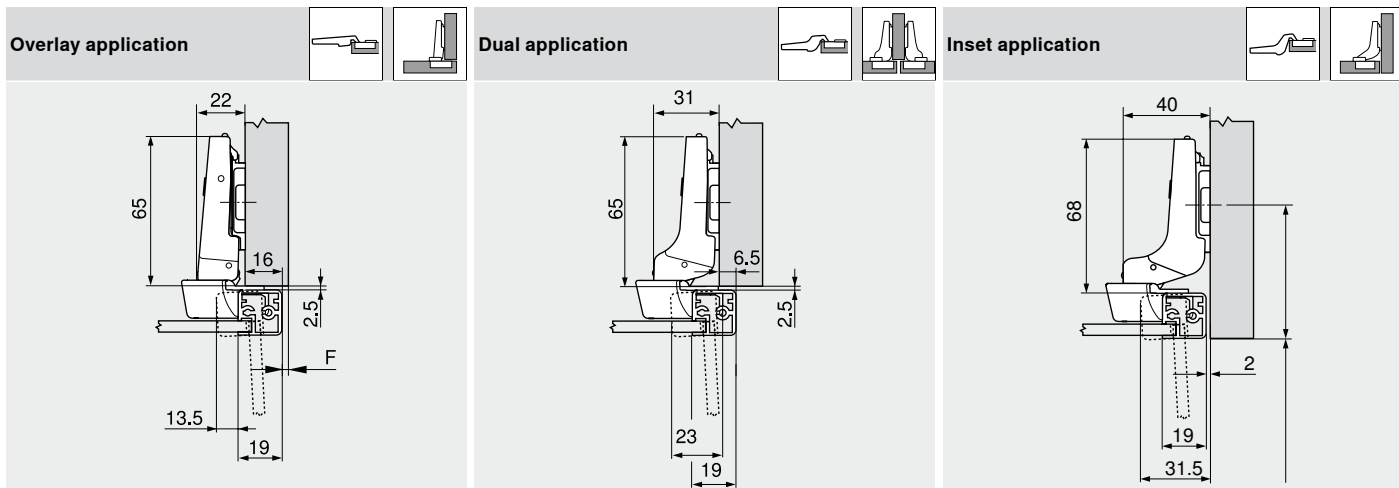
Cover caps		
	Steel	Nickel plated
Plain		70.1663
Screen print	Blum	70.1663.BL

Cover caps		
	Steel	Nickel plated
Plain		70.1663
Screen print	Blum	70.1663.BL

Planning

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

Hinge and door protrusion at full opening angle

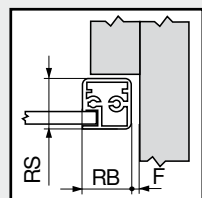


F Gap

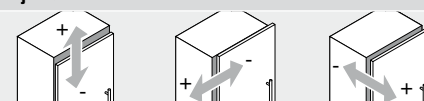
Set mounting plate fixing position back by door thickness + 2.5 mm

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

Adjustments



		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						



max. ± 3.0 mm

± 2.0 mm

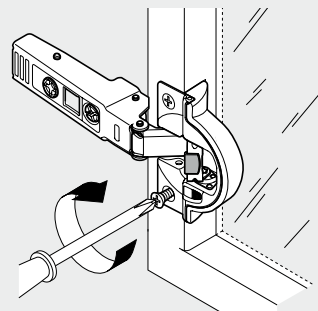
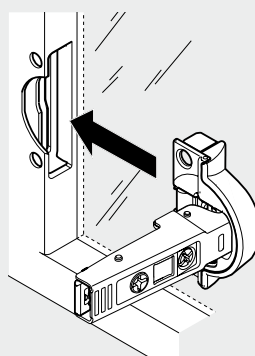
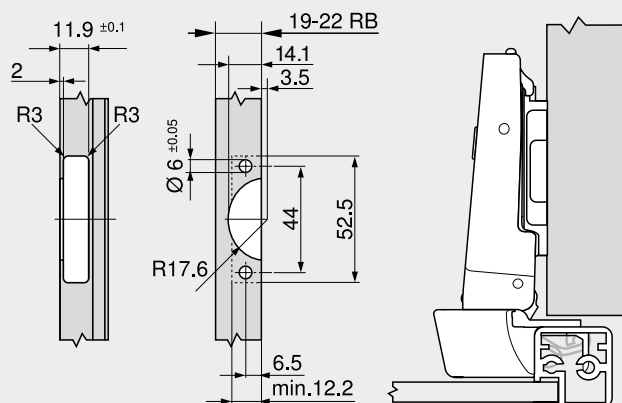
+ 3.0 mm

See mounting plates

- 2.0 mm

Screw-on

Assembly



RB Frame width

CLIP top BLUMOTION

Blind corner hinge inset application

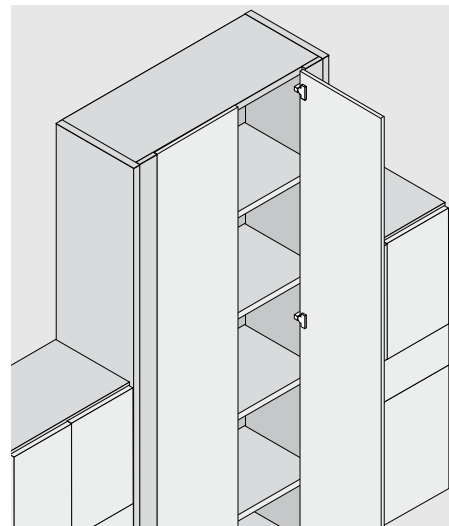
Product



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

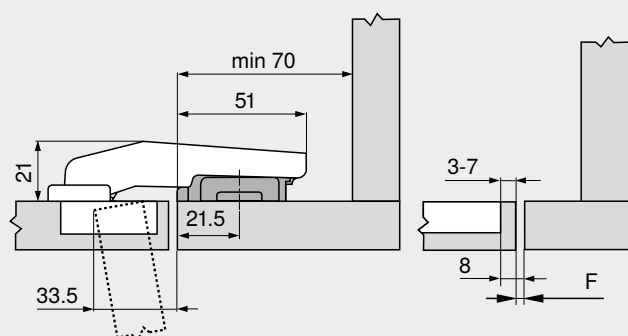
	Boss cover cap for screw-on/knock-in boss	
Steel	Nickel plated	70T3504

Planning

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

Hinge and door protrusion at full opening angle

Inset

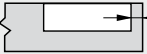


Move standard mounting plate fixing positions 15.5 mm nearer the edge of the blind corner (i.e. set back by 21.5 mm).

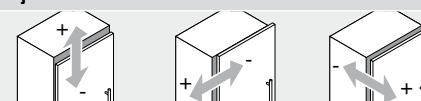
Use 3 mm spaced standard mounting plates only to ensure door and blind corner are flush on the inside.

F Gap

Minimum gap for doors with radiuses 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



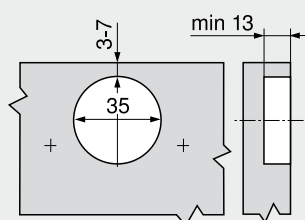
max. ± 3.0 mm

± 2.5 mm

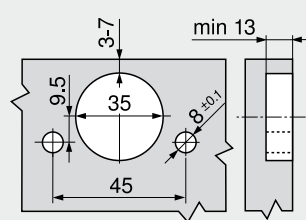
± 1.0 mm

See mounting plates

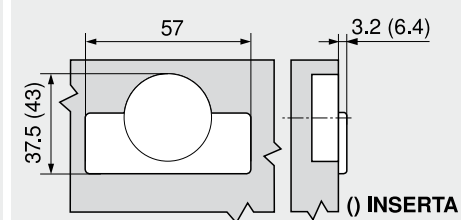
Screw-on



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 33	N° 24 35	N° 25 33
	-	N° 53 33	N° 54 33
	N° 8 37	N° 9 35	N° 10 35
	N° 43 37	N° 44 37	N° 45 37
	-	N° 60 33	N° 61 33

Order specification

	Boss INSERTA	Part No.
Steel boss with spring		79B9698

	Boss Screw-on	
Steel boss with spring		79B9658

	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

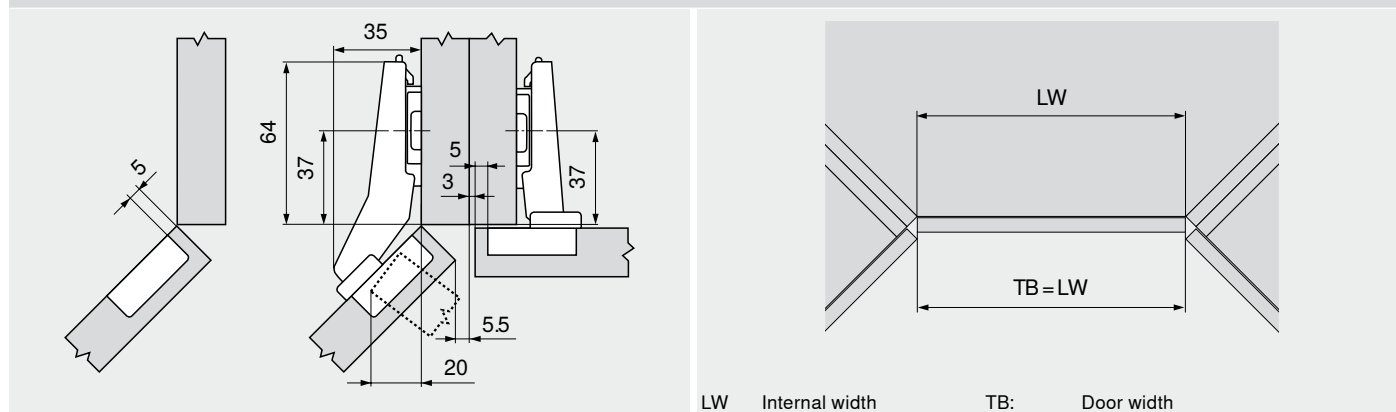
Planning

Important:

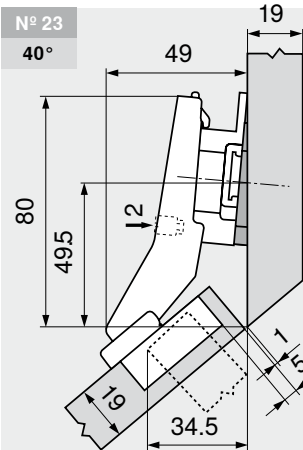
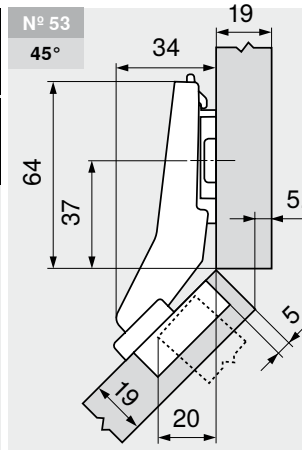
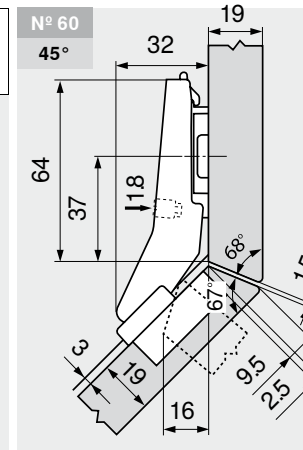
These dimensions are based on a 19 mm door and cabinet side thickness. Dimensions would need to be altered if either thickness varied from 19 mm.

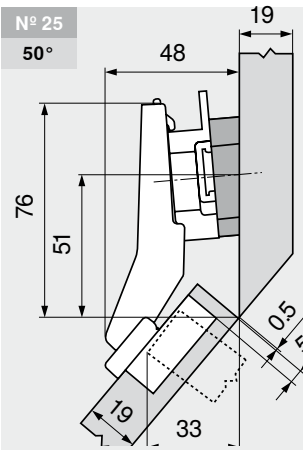
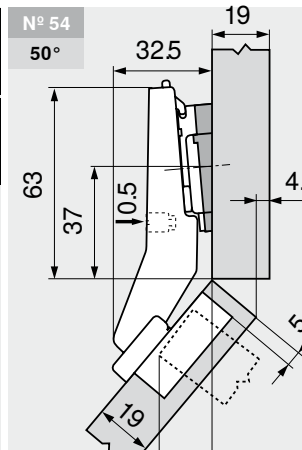
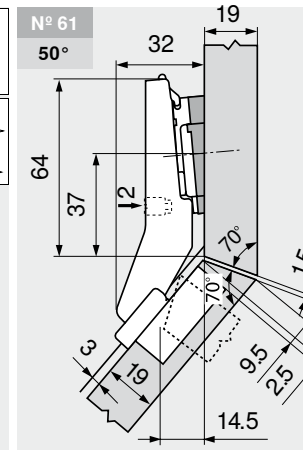
A trial application is recommended. Some applications require the mounting plate to be moved from the standard fixing positions.

Corner cabinet

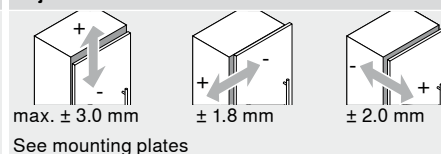


Planning

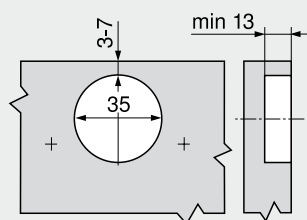
N° 23 40° 		Part No. Angled spacer -5° 171A5500 Mounting plate 9 mm 175H7190	
N° 53 45° 		Part No. Mounting plate 0 mm 173H7100	
N° 60 45° 		Part No. Mounting plate 0 mm 173H7100	

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

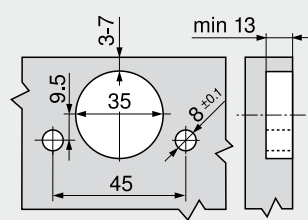
Adjustments



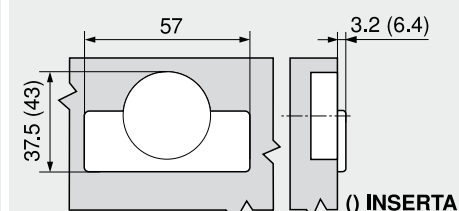
Screw-on



INSERTA / knock-in assembly



Hinge boss dimensions



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	N° 24	N° 25
	33	35	33
	-	N° 53	N° 54
	-	33	33
	N° 8	N° 9	N° 10
	37	35	35
	N° 43	N° 44	N° 45
	37	37	37
	-	N° 60	N° 61
	-	33	33

Order specification

	Boss	
	INSERTA	Part No.
Steel boss with spring		79B3598

	Boss	
	Screw-on	
Steel boss with spring		79B3558

	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

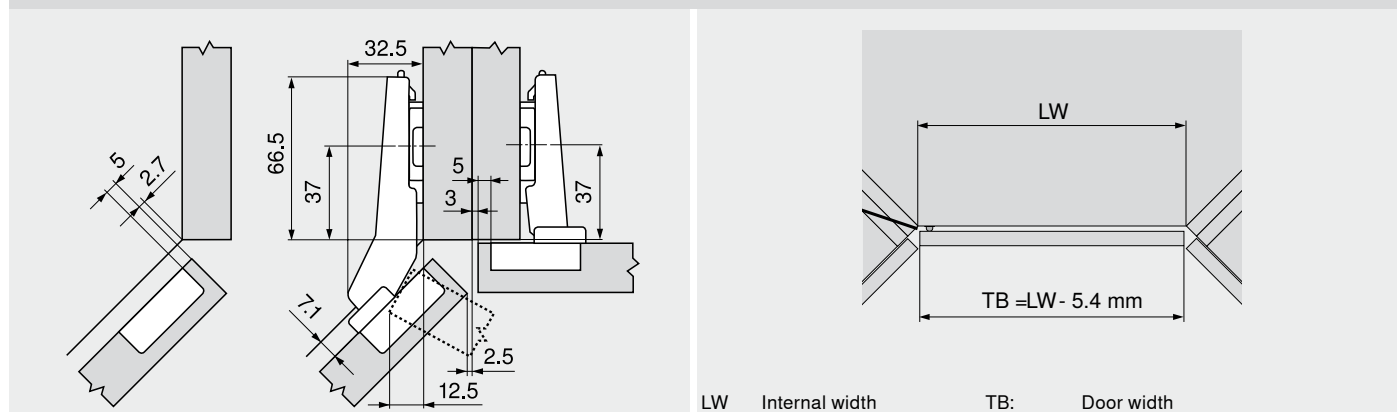
Planning

Important:

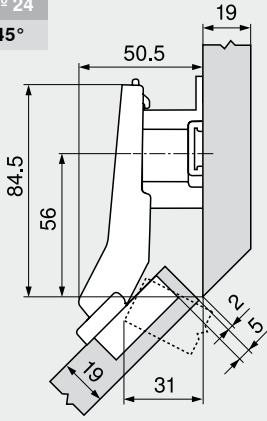
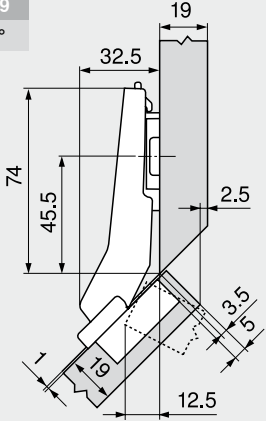
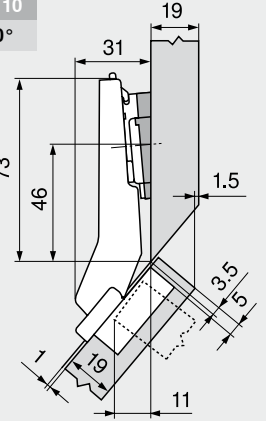
These dimensions are based on a 19 mm door and cabinet side thickness. Dimensions would need to be altered if either thickness varied from 19 mm.

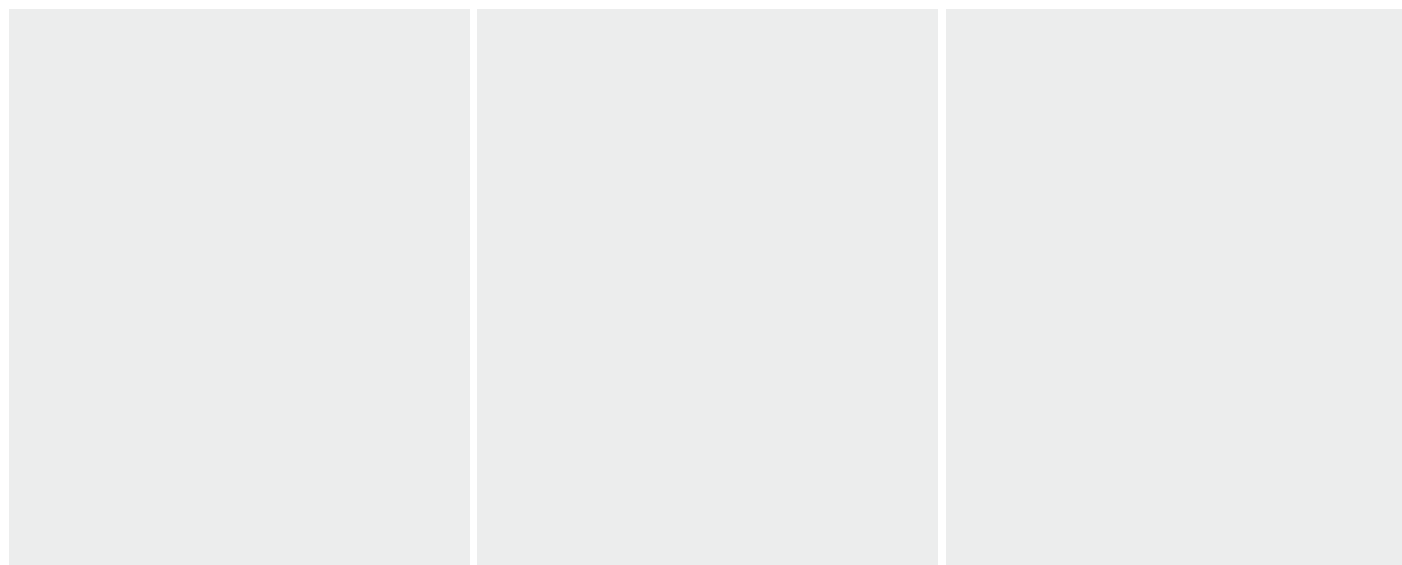
A trial application is recommended. Some applications require the mounting plate to be moved from the standard fixing positions.

Corner cabinet

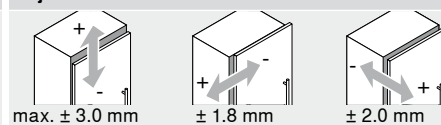


Planning

N° 24 45° 		N° 9 45° 		N° 10 50°  	
		Part No.		Part No.	
Mounting plate	18 mm	175H7190.22		Mounting plate	0 mm
				Angled spacer	+5°
				Mounting plate	0 mm
				171A5010	
				173H7100	

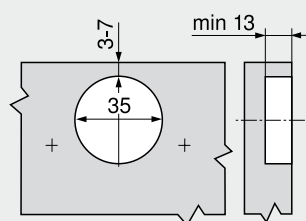


Adjustments

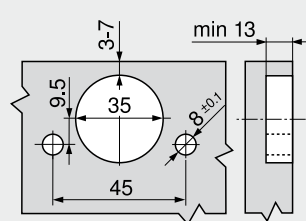


See mounting plates

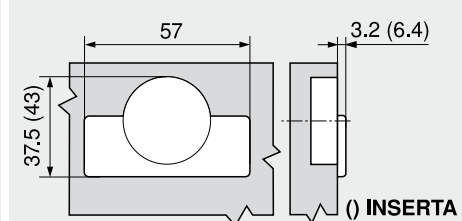
Screw-on



INSERTA assembly



Hinge boss dimensions



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
	33	35	33
	-	N° 53	N° 54
		33	33
	N° 8	N° 9	N° 10
	37	35	35
	N° 43	N° 44	N° 45
	37	37	37
	-	N° 60	N° 61
		33	33

Order specification

	Boss INSERTA	Part No.
Steel boss with spring		79B9498

	Boss Screw-on	
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

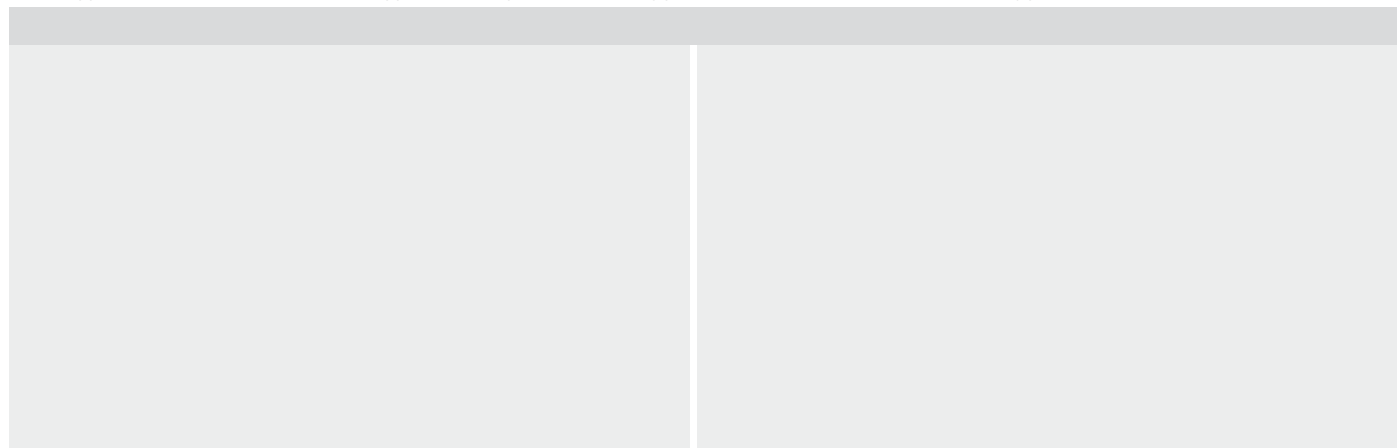
	Boss cover cap for screw-on boss	
Steel	Nickel plated	70T3504

Planning

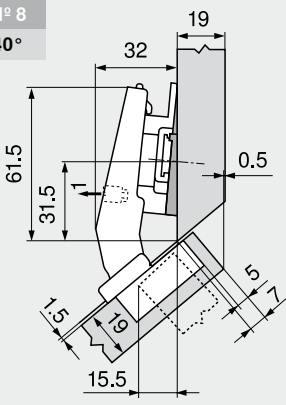
Important:

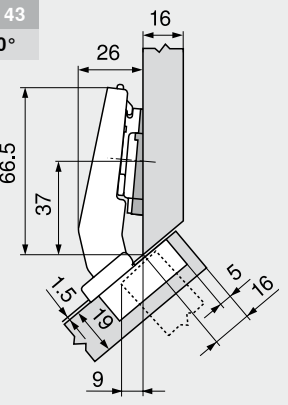
These dimensions are based on a 19 mm door and cabinet side thickness. Dimensions would need to be altered if either thickness varied from 19 mm.

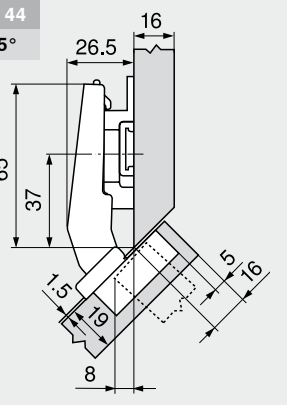
A trial application is recommended. Some applications require the mounting plate to be moved from the standard fixing positions.

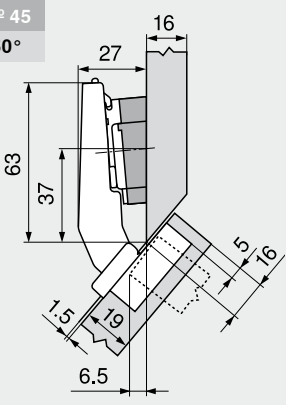


Planning

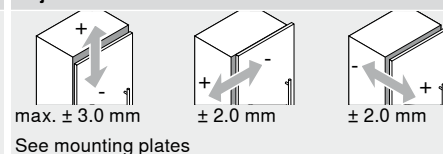
N° 8 40°					
		Part No.		Part No.	
Angled spacer	-5°	171A5500	Angled spacer	-5°	171A5500
Mounting plate	6 mm	175H9160	Mounting plate	0 mm	173H7100

N° 43 40°					
		Part No.		Part No.	
Angled spacer	-5°	171A5500	Angled spacer	-5°	171A5500
Mounting plate	6 mm	175H9160	Mounting plate	0 mm	173H7100

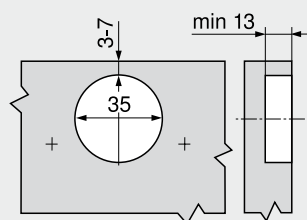
N° 44 45°					
		Part No.		Part No.	
Mounting plate	6 mm	175H9160	Mounting plate	6 mm	175H9160

N° 45 50°					
		Part No.			
Angled spacer	+5°	171A5070			
Mounting plate	0 mm	173H7100			

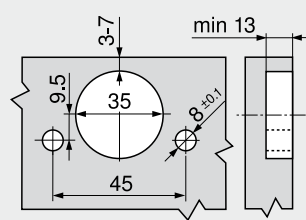
Adjustments



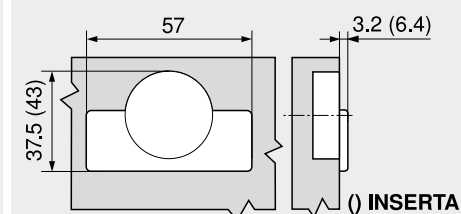
Screw-on



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
	38	39	39
	N° 50	N° 51	N° 52
	38	39	39
	N° 5	N° 6	N° 7
	43	39	39
	N° 40	N° 41	N° 42
	41	41	41
	N° 57	N° 58	N° 59
	38	39	39

Order specification

	Boss INSERTA	Part No.
Steel boss with spring		79B9596

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

Planning

N° 21 30° Part No. Mounting plate 18 mm 175H7190.22	N° 51 30° Part No. Mounting plate 9 mm 175H7190	N° 6 30° Part No. Mounting plate 0 mm 173H7100
N° 58 30° Part No. Mounting plate 3 mm 173H7130	N° 22 35° Part No. Angled spacer +5° 171A5010 Mounting plate 18 mm 175H7190.22	N° 52 35° Part No. Angled spacer +5° 171A5070 Mounting plate 0 mm 173H7100
N° 7 35° Part No. Angled spacer +5° 171A5010 Mounting plate 0 mm 173H7100	N° 59 35° Part No. Angled spacer +5° 171A5040 Mounting plate 0 mm 173H7100	Adjustments max. ± 3.0 mm ± 1.8 mm ± 2.0 mm See mounting plates

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	N° 21	N° 22
	38	39	39
	N° 50	N° 51	N° 52
	38	39	39
	N° 5	N° 6	N° 7
	43	39	39
	N° 40	N° 41	N° 42
	41	41	41
	N° 57	N° 58	N° 59
	38	39	39

Order specification

	Boss INSERTA	Part No.
Steel boss with spring	79B9496	

	Boss Screw-on	
Steel boss with spring	79B9456	

	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

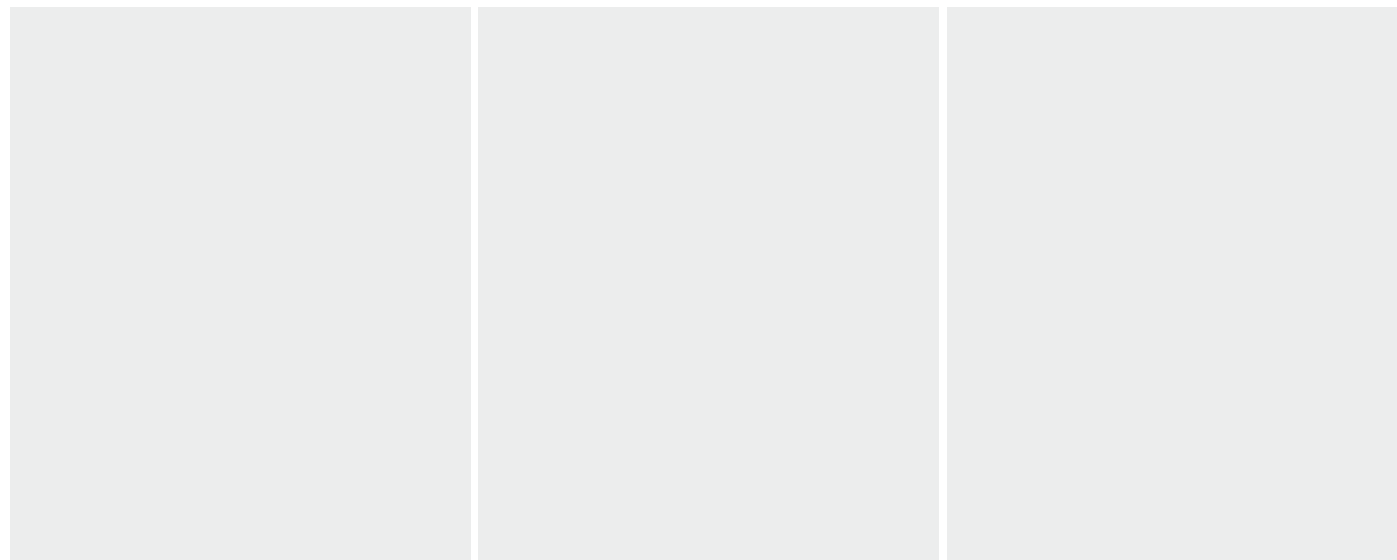
	Boss cover cap for screw-on boss	
Steel	Nickel plated	70T3504

Planning

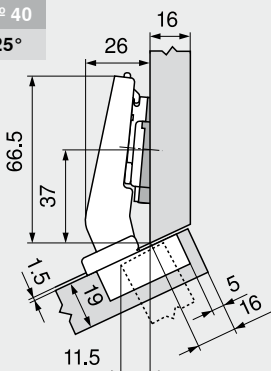
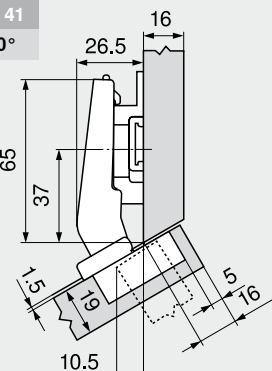
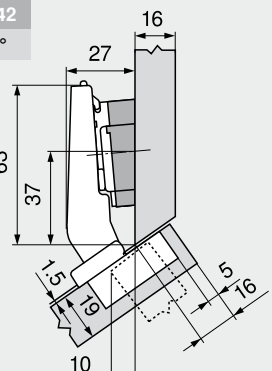
Important:

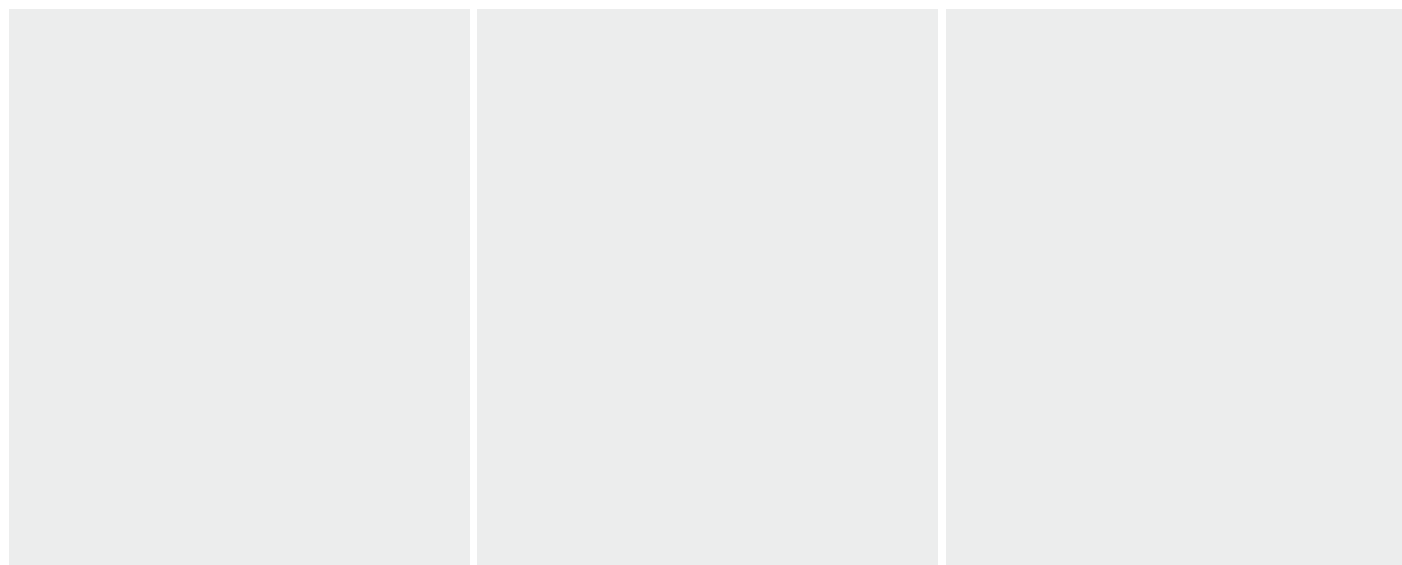
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A trial application is recommended. Some applications require the mounting plate to be moved from the standard fixing positions.

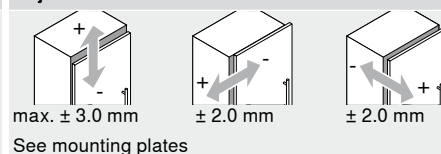


Planning

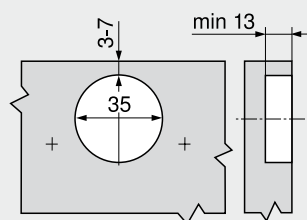
N° 40 25°				N° 41 30°				N° 42 35°			
											
		Part No.				Part No.					
Angled spacer	-5°	171A5500		Mounting plate	6 mm	175H9160		Angled spacer	+5°	171A5070	
Mounting plate	0 mm	173H7100						Mounting plate	0 mm	173H7100	



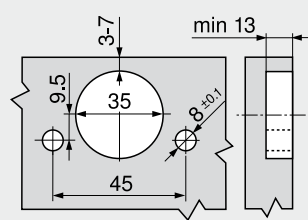
Adjustments



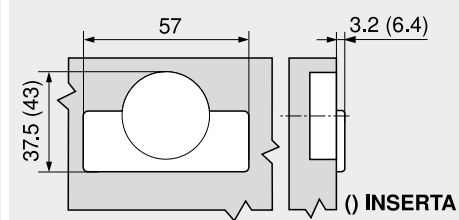
Screw-on



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	N° 19	N° 20
	42	43	38
	N° 48	N° 49	N° 50
	42	43	38
	N° 3	N° 4	N° 5
	45	43	43
	N° 38	N° 39	N° 40
	45	45	41
	N° 55	N° 56	N° 57
	42	43	38

Order specification

	Boss INSERTA	Part No.
Steel boss with spring		79B9595

	Boss Screw-on	
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:

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

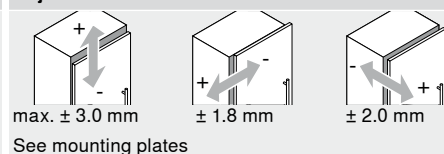
N° 18 15°			Part No.	N° 48 15°			Part No.	N° 55 15°			Part No.
Angled spacer	-5°	171A5500		Angled spacer	-5°	171A5500		Angled spacer	-5°	171A5500	
Mounting plate	9 mm	175H7190		Mounting plate	3 mm	173H7130		Mounting plate	0 mm	173H7100	

Planning

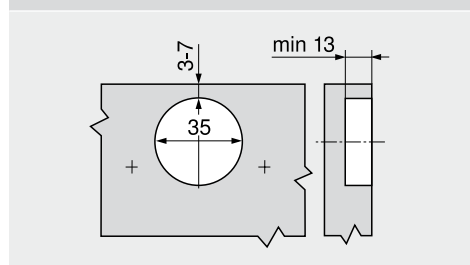
N° 19 20°	N° 49 20°	N° 4 20°
Mounting plate 18 mm Part No. 175H7190.22	Mounting plate 9 mm Part No. 175H7190	Mounting plate 0 mm Part No. 173H7100

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

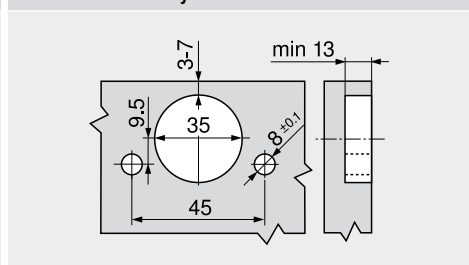
Adjustments



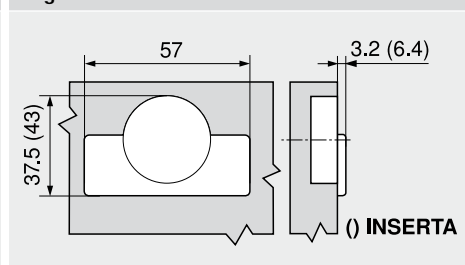
Screw-on



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
- 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

	10°	15°	20°
	Nº 17	Nº 18	Nº 19
	44	42	43
	Nº 47	Nº 48	Nº 49
	44	42	43
	Nº 2	Nº 3	Nº 4
	44	45	43
	Nº 37	Nº 38	Nº 39
	45	45	45
	-	Nº 55	Nº 56
		42	43

Order specification

	Boss INSERTA	Part No.
Steel boss with spring		79B9494

	Boss Screw-on	
Steel boss with spring		79B9454

	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
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Planning

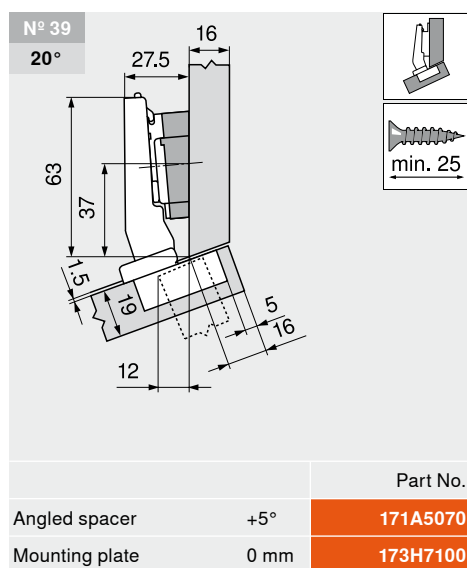
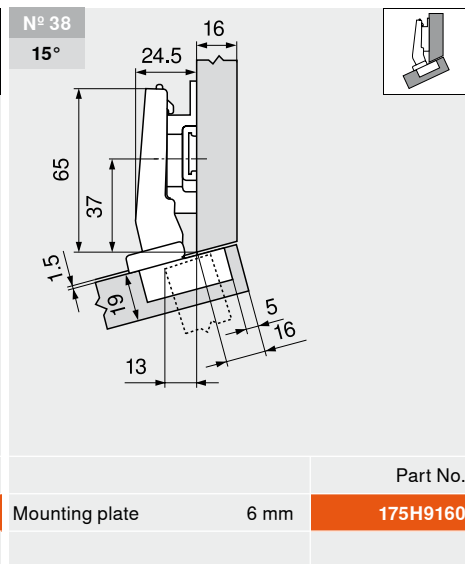
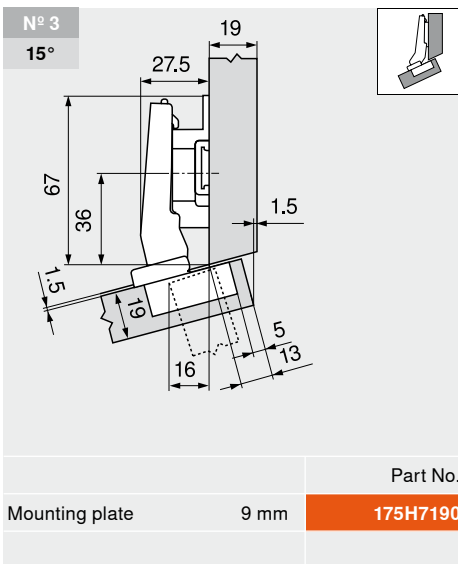
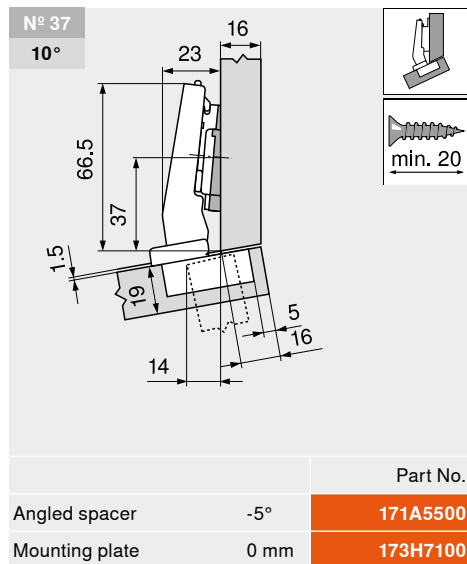
Important:

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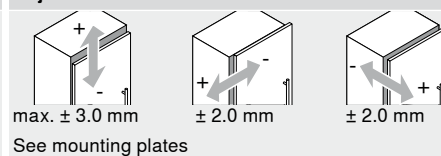
A trial application is recommended. Some applications require the mounting plate to be moved from the standard fixing positions.

N° 17 10°		N° 47 10°		N° 2 10°	
85 54 42 19 2.1 19 33.5 1 5		64 40 19 32.5 11.9 15.5 19 29.5 5		66.5 37 23 19 0.5 5.1 6.1 13.5 16 5	
min. 20		min. 20		min. 20	
Part No.		Part No.		Part No.	
Angled spacer	-5°	171A5500	Angled spacer	-5°	171A5500
Mounting plate	18 mm	175H7190.22	Mounting plate	18 mm	175H7190.22
Part No.		Part No.		Part No.	
Angled spacer	-5°	171A5500	Angled spacer	-5°	171A5500
Mounting plate	0 mm	173H7100	Mounting plate	0 mm	173H7100

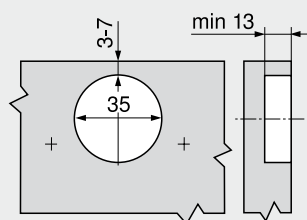
Planning



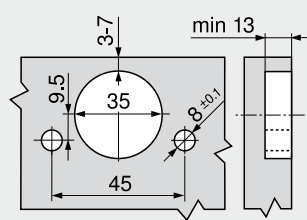
Adjustments



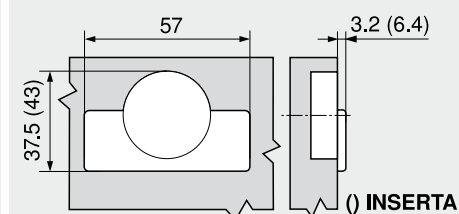
Screw-on



INSERTA / knock-in assembly



Hinge boss dimensions



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
	47		47
	-		N° 46
	-		47
	-		N° 1
	-		47
	N° 35		N° 36
	47		47
	-		-

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.BL

Cover caps		
	Steel	Nickel plated
Plain		70.1663
Screen print	Blum	70.1663.BL

Cover caps		
	Steel	Nickel plated
Plain		70.1663
Screen print	Blum	70.1663.BL

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:

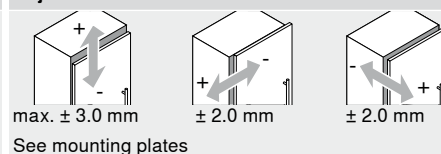
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Planning

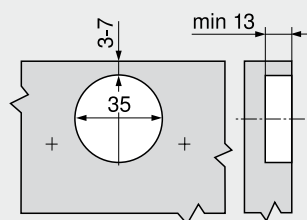
N° 15 -5°	N° 35 -5°	N° 16 5°
Part No. Angled spacer -5° 171A5500 Mounting plate 0 mm 173H7100 Hinge with cranked hinge arm	Part No. Mounting plate -5 mm 171A5500 Mounting plate 0 mm 173H7100 Hinge with straight hinge arm	Part No. Mounting plate +5 mm 171A5010 Mounting plate 0 mm 173H7100 Hinge with double cranked hinge arm

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

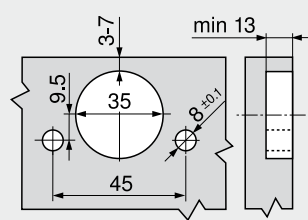
Adjustments



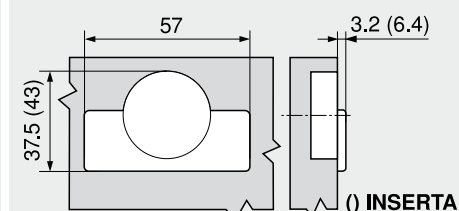
Screw-on



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
	49	49	49
	-	-	-
	-	-	-
	N° 32	N° 33	N° 34
	49	49	49
	-	-	-
	-	-	-

Order specification

	Boss INSERTA	Part No.
Steel boss with spring	79B3493	

	Boss Screw-on	
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

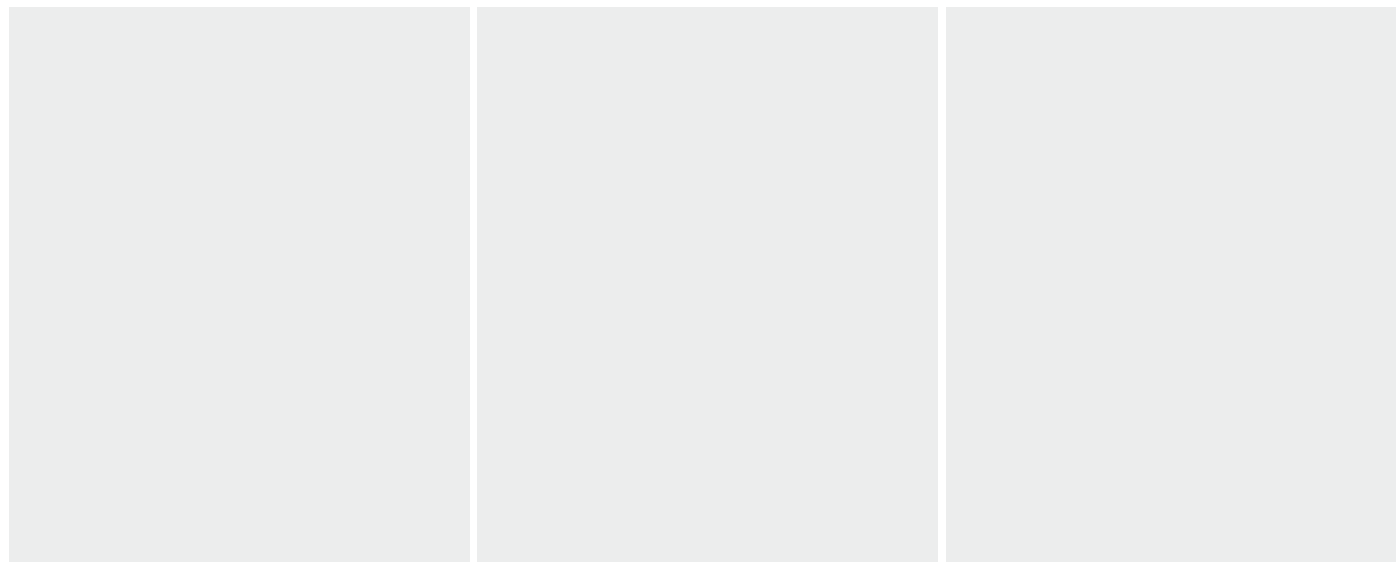
	Boss cover cap for screw-on boss	
Steel	Nickel plated	70T3504

Planning

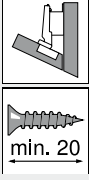
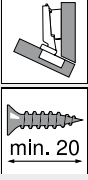
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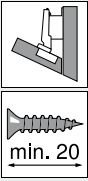
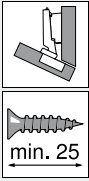
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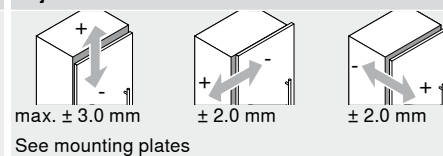


Planning

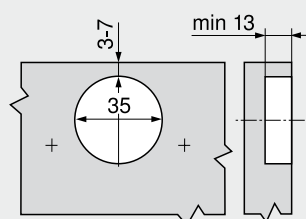
N° 12 -20° 		N° 32 -20° 		N° 13 -15° 	
Part No.		Part No.		Part No.	
Angled spacer	-5°	171A5500	Angled spacer	-5°	171A5500
Mounting plate	6 mm	175H9160	Mounting plate	0 mm	173H7100
				Mounting plate	18 mm 175H7190.22

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

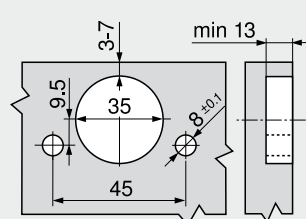
Adjustments



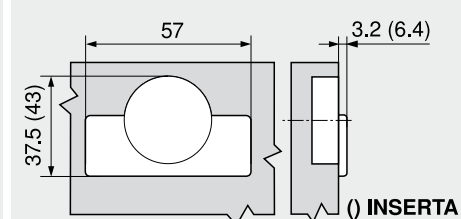
Screw-on



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
	-	-	51
	-	-	-
	N° 29	N° 30	N° 31
	51	51	51
	-	-	-

Order specification

	Boss INSERTA	Part No.
Steel boss with spring	79B3491	

	Boss Screw-on	
Steel boss with spring	79B3451	

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

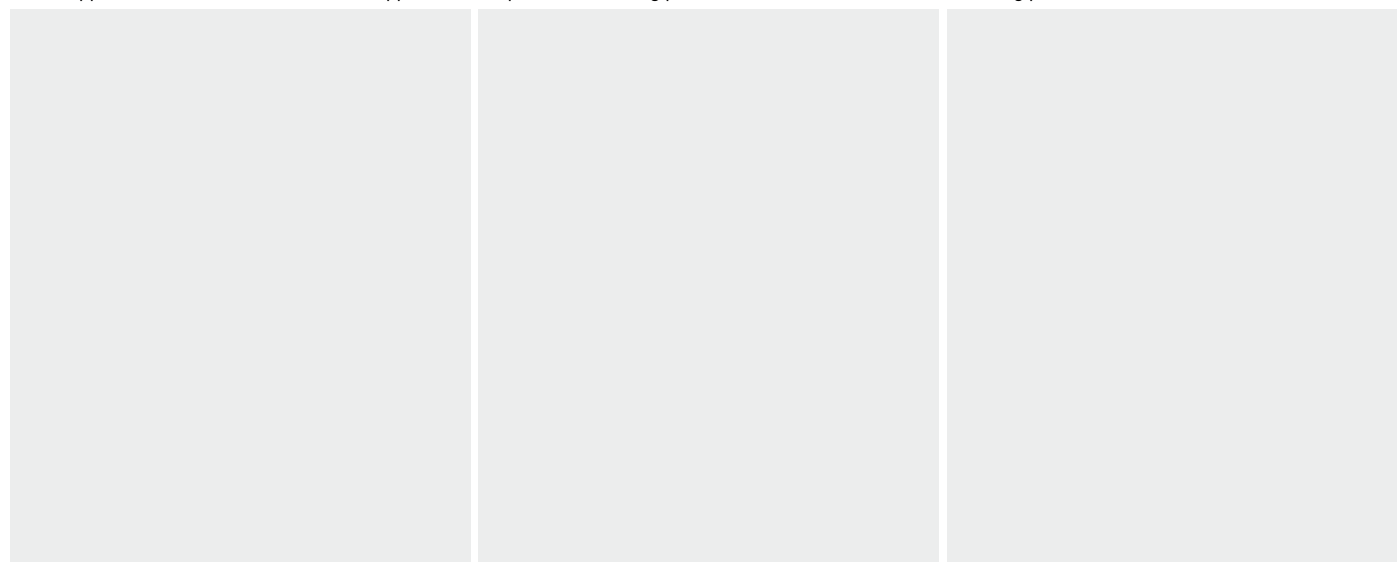
	Accessories Chipboard screws for hinge boss fixing	
3.5 x 15 mm	609.1500	
3.5 x 17 mm	609.1700	

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

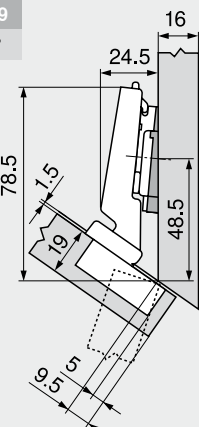
Planning

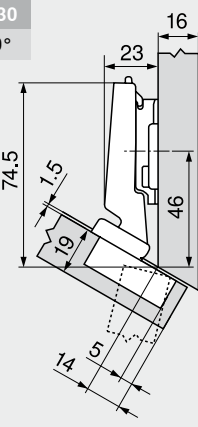
Important:

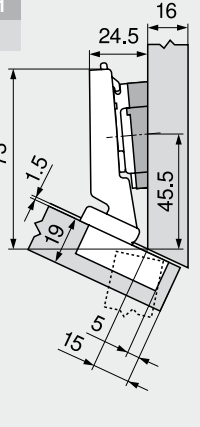
These dimensions are based on a 19 mm door and cabinet side thickness. Dimensions would need to be altered if either thickness varied from 19 mm. A trial application is recommended. Some applications require the mounting plate to be moved from the standard fixing positions.



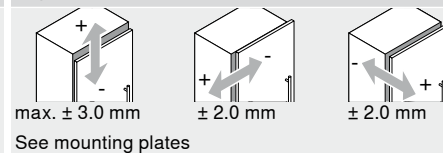
Planning

Nº 29 -35°			
Part No.			
Angled spacer	-5°	171A5500	
Mounting plate	0 mm	173H7100	

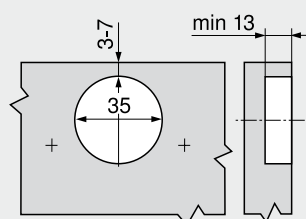
Nº 30 -30°			
Part No.			
Angled spacer	+5°	171A5070	
Mounting plate	9 mm	175H7190	

N° 31 -25°					
					
		Part No.			
Angled spacer	+5°	171A5040			
Mounting plate	0 mm	173H7100			

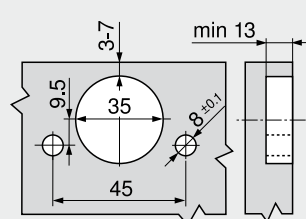
Adjustments



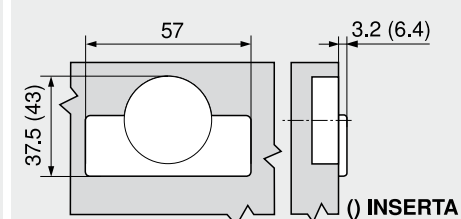
Screw-on



INSERTA assembly



Hinge boss dimensions



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
	53	53	53
	-	-	-

Order specification

	Boss INSERTA	Part No.
Steel boss with spring	79B3490	

	Boss Screw-on	
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

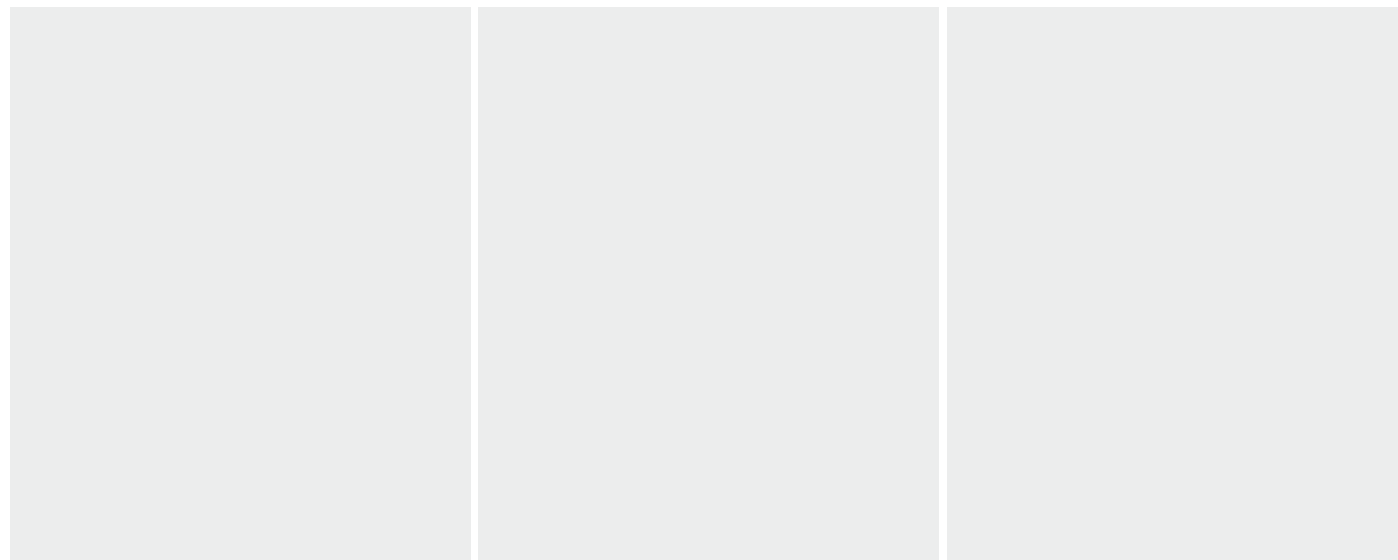
	Boss cover cap for screw-on boss	
Steel	Nickel plated	70T3504

Planning

Important:

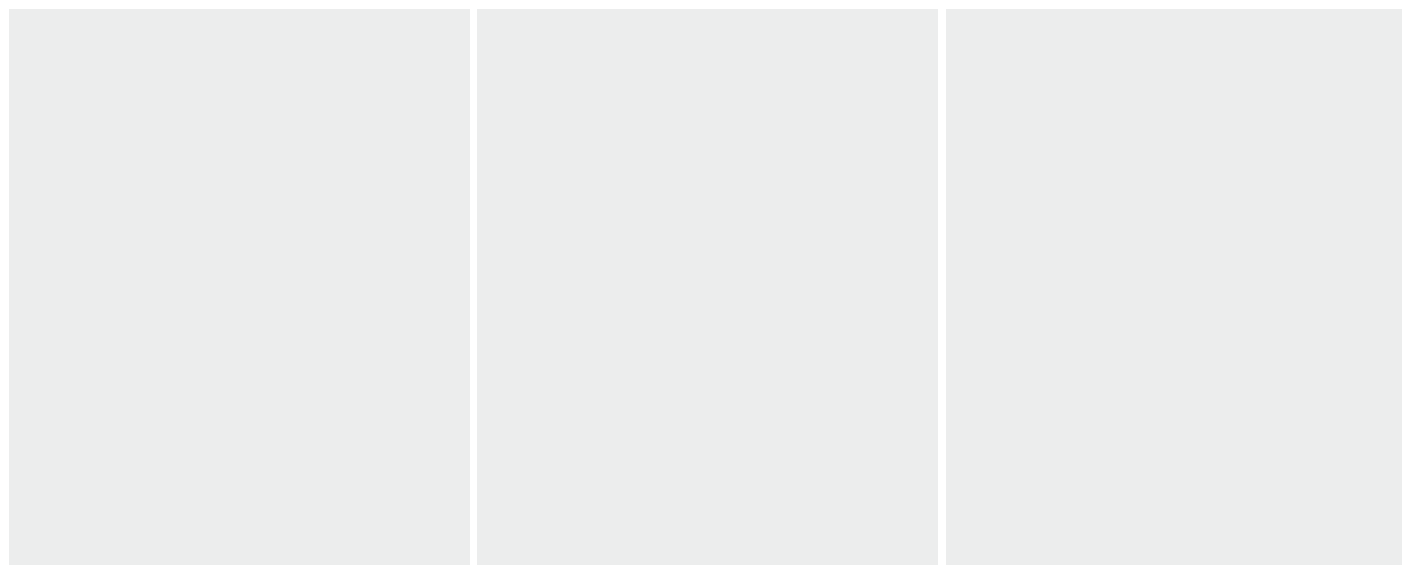
These dimensions are based on a 19 mm door and cabinet side thickness. Dimensions would need to be altered if either thickness varied from 19 mm.

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

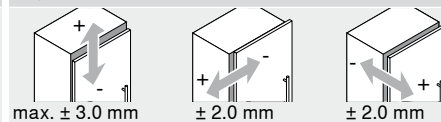


Planning

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	

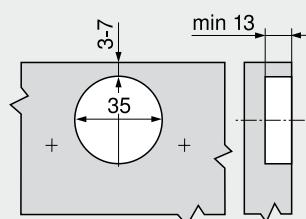


Adjustments

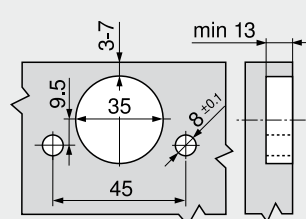


See mounting plates

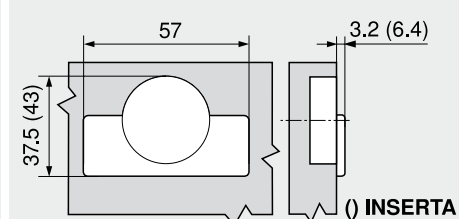
Screw-on



INSERTA assembly



Hinge boss dimensions



CLIP top 110° hinge

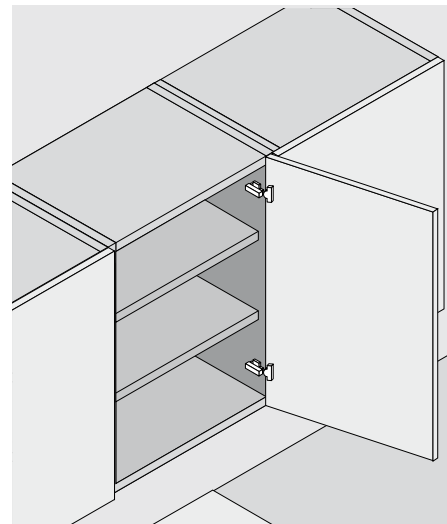
Product



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

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

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

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

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

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

	Boss Knock-in		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
Screen print	Blum		70.1663.BL
No cover cap is required when using BLUMOTION 973A0600.			

Cover caps			
	Steel	Nickel plated	
Plain			70.1663
Screen print	Blum		70.1663.BL
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

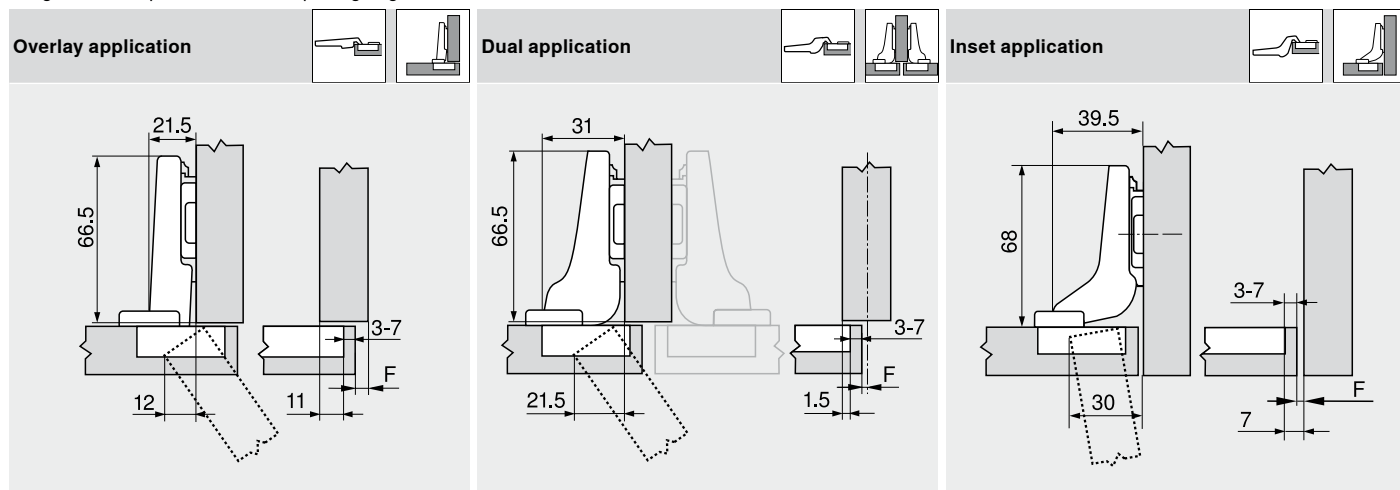
	Boss cover cap for screw-on/knock-in boss		
Steel	Nickel plated		70T3504

	Opening angle stop 86°		
Nylon			70T3553

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 + 1.5 mm

Drilling distance

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

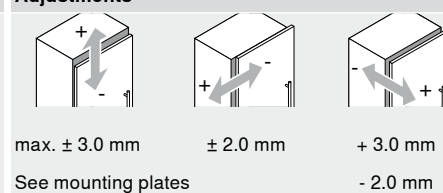
Front overlay																	
4.5	3.5	2.5	1.5	0.5	0.5	1.5	2.5	3.5	4.5	5.5	6.5	7.5	8.5				
0										3	4	5	6	0			
3							3	4	5	6	7			3			
6						3	4	5	6	7				6			
9	3	4	5	6	7									9	3	4	5
Mounting plate																	

Front overlay														
										-4	-3	-2	-1	0
0										3	4	5	6	7
3														
6														
9														
Mounting plate														

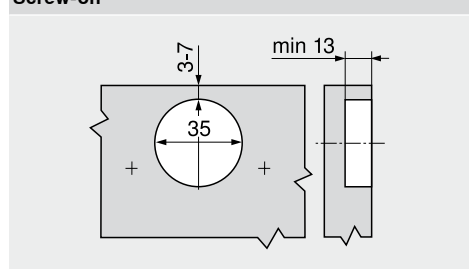
Minimum gap for doors with radiused edges (R = 1 mm) based on factory setting

	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	A trial application is recommended		
	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	

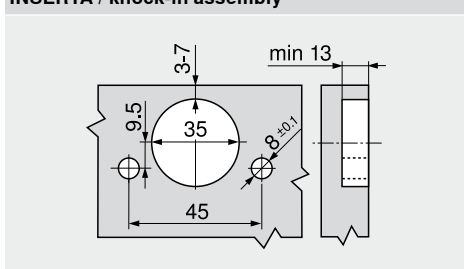
Adjustments



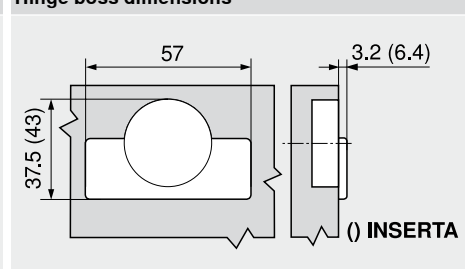
Screw-on



INSERTA / knock-in assembly



Hinge boss dimensions



CLIP top 110° special hinge

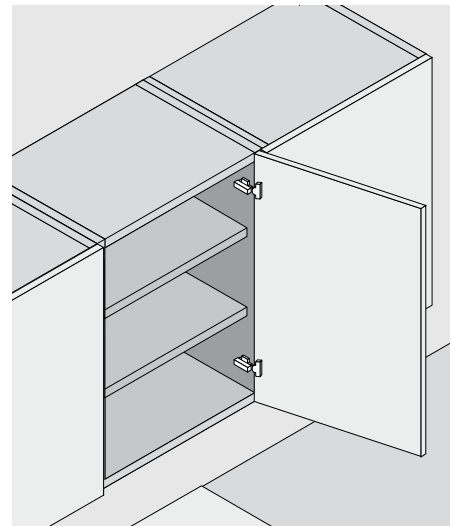
Product



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			
	Boss INSERTA	Part No.	
	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.			

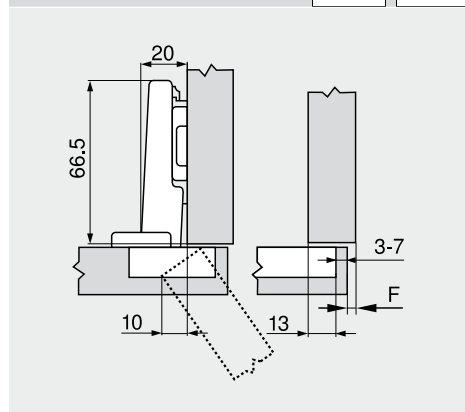
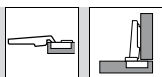
Accessories				
	Chipboard screws for hinge boss fixing			
3.5 x 15 mm		609.1500		
3.5 x 17 mm		609.1700		
	Boss cover cap for screw-on/knock-in boss			
Steel	Nickel plated	70T3504		
	Opening angle stop 86°			
Nylon		70T3553		

Planning

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

Hinge and door protrusion at full opening angle

Overlay application

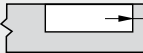


F Gap

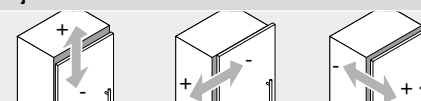
Drilling distance

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 radiuses edges (R = 1 mm) based on factory setting

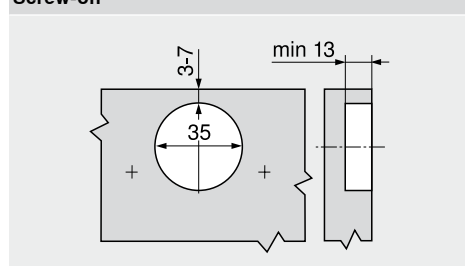
		Door thickness													
		16	18	19	20	21	22	23	24	25	26	28	30	32	
	3	0.5	0.8	1.0	1.2	1.5	1.8	2.2	2.7	3.5	4.3	A trial application is recommended			
	4	0.5	0.8	1.0	1.2	1.4	1.7	2.0	2.5	3.1	3.8				
	5	0.5	0.8	0.9	1.2	1.4	1.7	2.0	2.4	2.9	3.4				
	6	0.5	0.8	0.9	1.2	1.3	1.6	1.9	2.3	2.7	3.2				
	7	0.5	0.8	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	

Adjustments

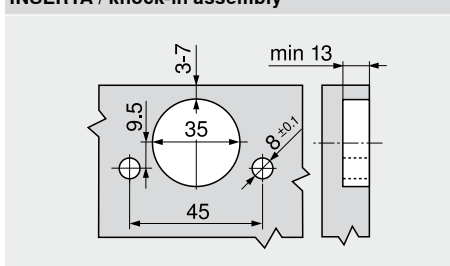


max. ± 3.0 mm ± 2.0 mm + 3.0 mm
See mounting plates - 2.0 mm

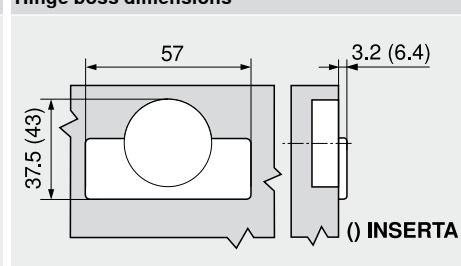
Screw-on



INSERTA / knock-in assembly

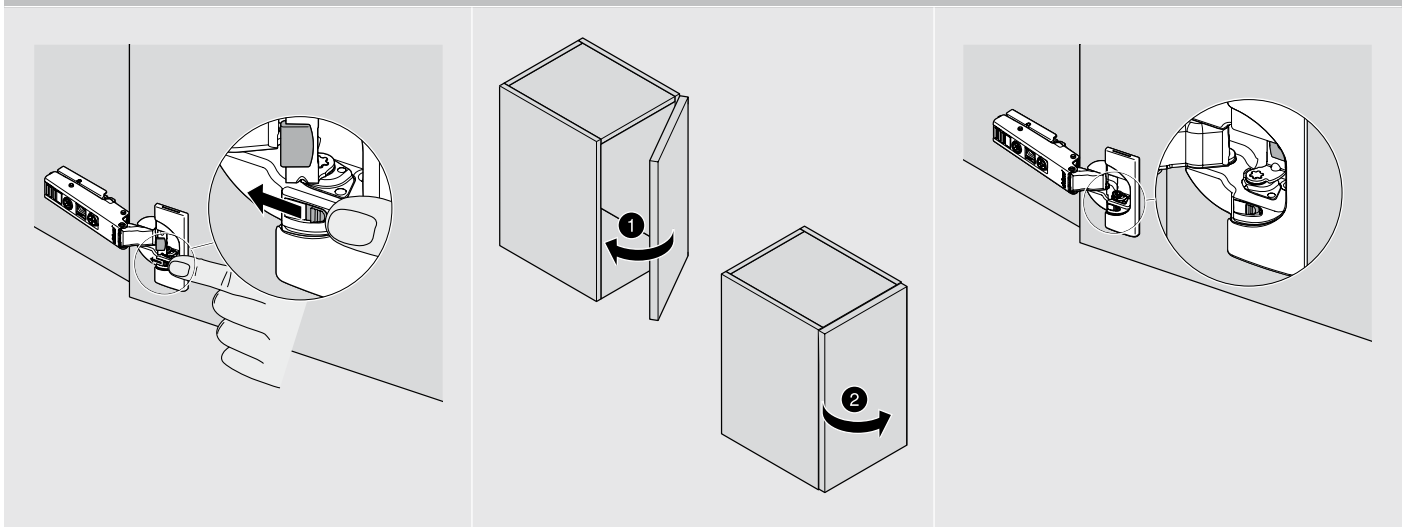


Hinge boss dimensions



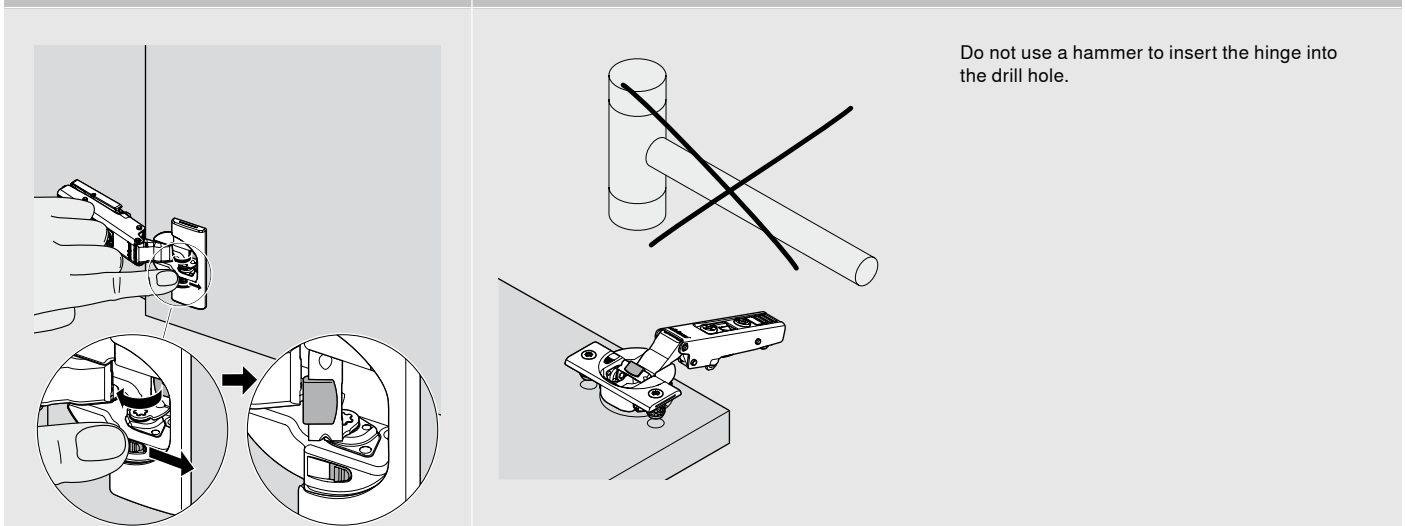
Assembly and adjustment

BLUMOTION deactivation (for small or light fronts)

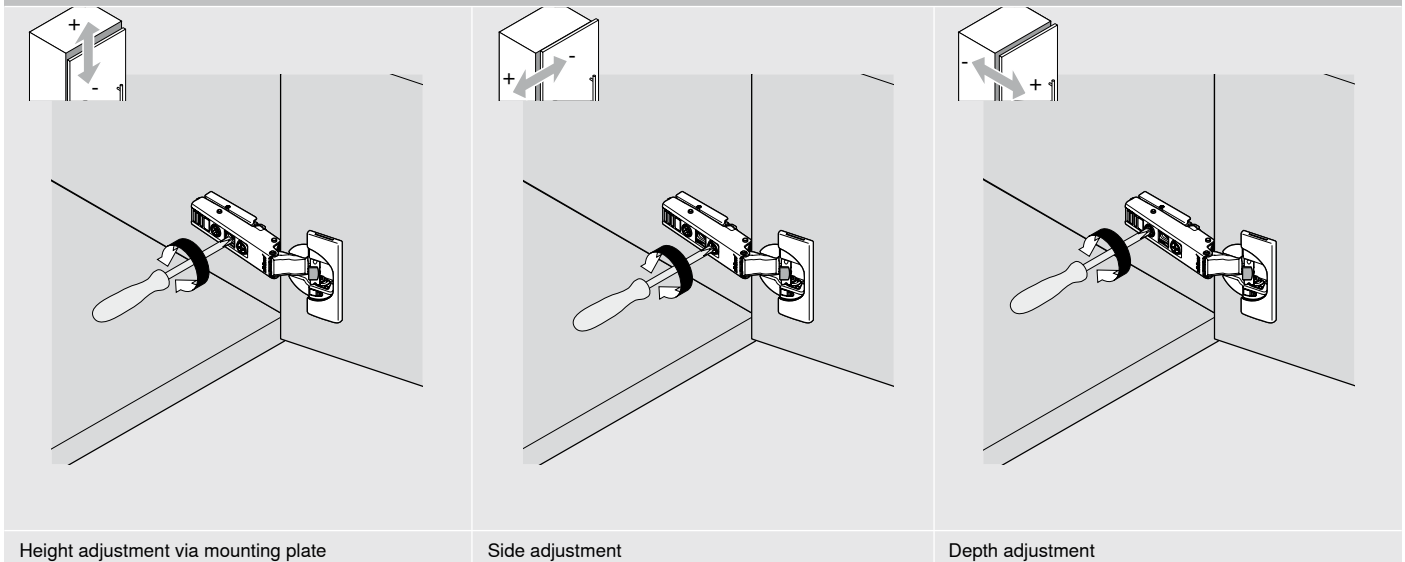


BLUMOTION activation

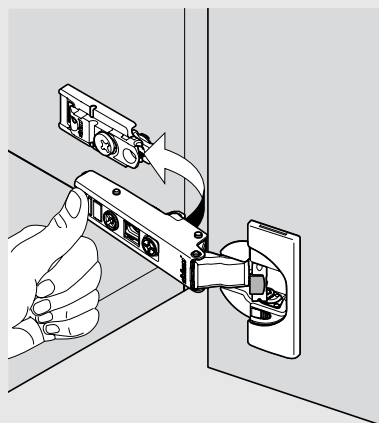
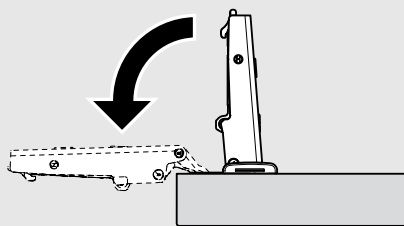
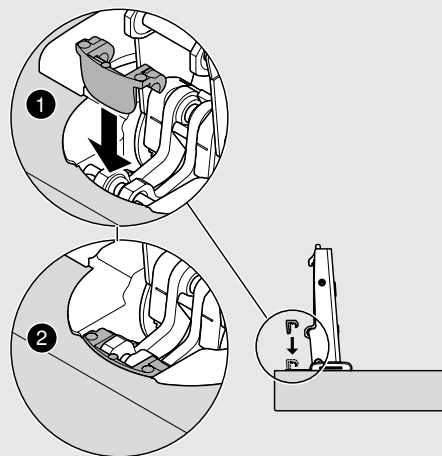
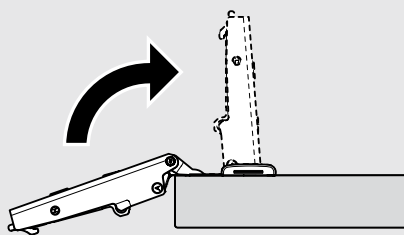
Note



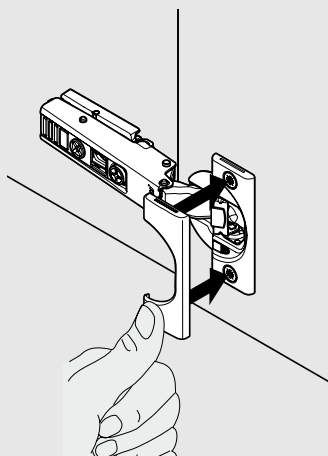
3-dimensional adjustment



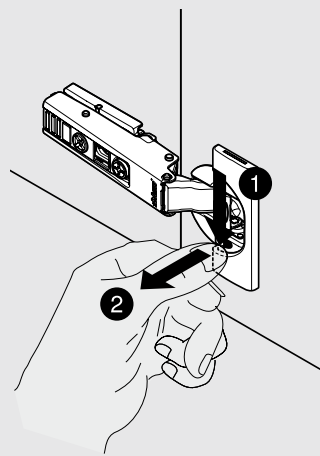
Opening angle stop assembly



Boss cover cap assembly



Boss cover cap removal







Perfecting motion

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.



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