

CLIP top BLUMOTION 110° hinges

Product
CLIP top BLUMOTION
Information

Application



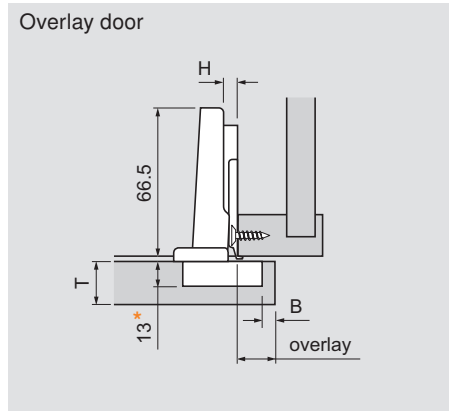
Description

- BLUMOTION integrated into the hinge cup
- Deactivation switch for small/light doors
- New geometry for door thicknesses up to **26 (1")**
- New INSERTA design
- New boring distance range 3 — 7 mm
- Compatible with existing CLIP mounting plates and hinge arm cover caps

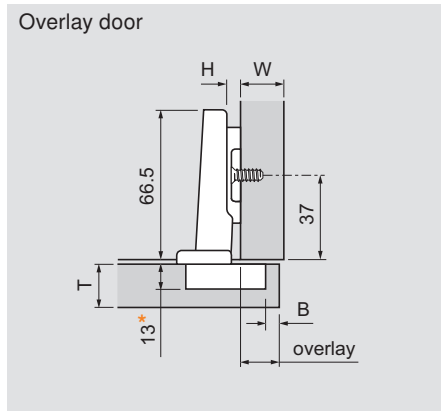
Minimum reveal

Minimum reveal table					
0.5	1.0	1.8	2.7	4.3	3
0.5	1.0	1.7	2.5	3.8	4
0.5	0.9	1.7	2.4	3.4	5
0.5	0.9	1.6	2.3	3.2	6
0.5	0.9	1.6	2.2	3.0	7
16	19	22	24	26	B
T Door thickness					Bore

Frame cabinet applications



Panel cabinet applications

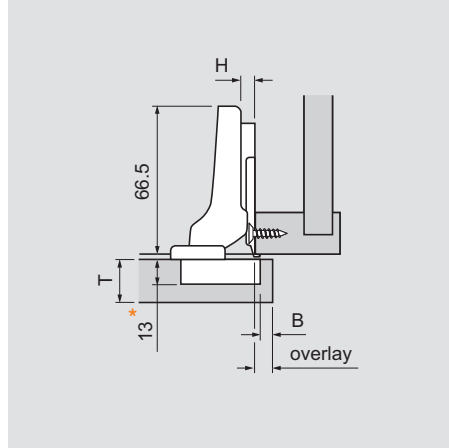


Straight-arm hinges		
Screw-on		71B3550
Press-in		71B3580
EXPANDO		71B358E
INSERTA		71B3590

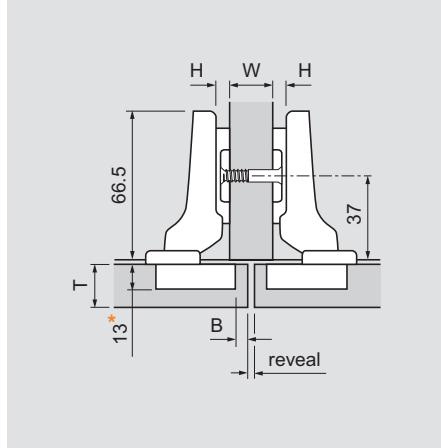
Overlay table											NOTE: 4.5 plate only available for face frame, 9 plate only available for panel cabinets
0	14	15	16	17	18	12	21.5				
3	11	12	13	14	15	15	24.5				
4.5	9.5	10.5	11.5	12.5	13.5	16.5	26				
6	8	9	10	11	12	18	27.5				
9	5	6	7	8	9	21	30.5				
H	3	4	5	6	7	P	S				
Plate	B Bore distance						Clearances				

11 fixed distance

Partial overlay door



Twin overlay door



Half-cranked hinges (9.5 mm)

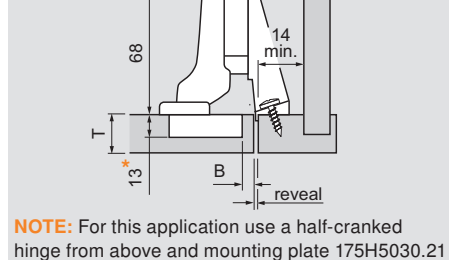
Screw-on		71B3650
Press-in		71B3680
INSERTA		71B3690

Overlay table								Partial overlay		
0	4.5	5.5	6.5	7.5	8.5	21.5	31			
H	3	4	5	6	7	P	S			
Plate	B Bore distance						Clearances			

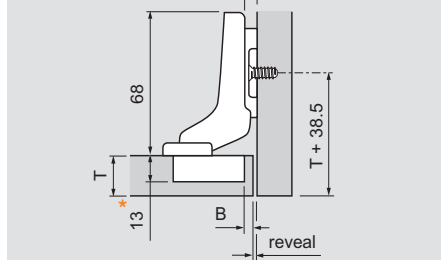
1.5 fixed distance

Reveal table										Twin overlay	
0	7	5	3	1	-	16	21.5	31			
	10	8	6	4	2	19					
	13	11	9	7	5	22					
H	3	4	5	6	7	W	P	S			
Plate	B Bore distance						Panel	Clearances			

Inset door



Inset door



Full-cranked hinges (18 mm)

Screw-on		71B3750
Press-in		71B3780
INSERTA		71B3790

Reveal table										
0	4	3	2	1	-	30	39.5			
H	3	4	5	6	7	P	S			
Plate	B Bore distance						Clearances			

-7 fixed distance

* All 35 mm and 8 mm holes must be a minimum of 13 mm deep

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CLIP top BLUMOTION 110° hinges

BLUMOTION
inside

Hinge cup centerpoint

C Cup centerpoint				
20.5	21.5	22.5	23.5	24.5
13/16"	27/32"	29/32"	15/16"	31/32"
3	4	5	6	7
B Bore distance				

Cup centerpoint is the MINIPRESS or MINIDRILL fence depth position.

Adjustments

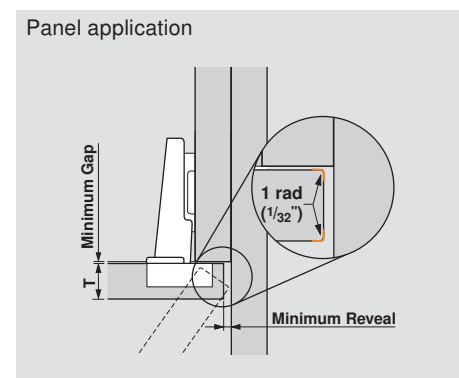
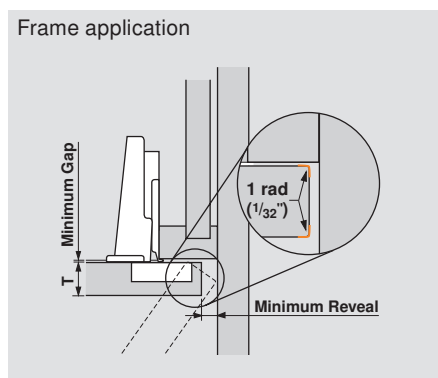
Side (±2 mm)	Height (±2 mm)	Depth (+3/-2 mm)

New geometry for thick door applications

Minimum reveals increase with door thickness. The following applications show common examples of necessary reveal and door gap for each door thickness.

The factory setting for the door gap (distance between the door and side panel/frame) is 1.5 mm. For full opening angle without contacting the side panel or frame, the gap behind the door and the minimum reveal must be adjusted according to the table below.

NOTE: All dimensions based on 1 mm door radius



3/4" thick door		
Minimum reveal	B Bore	Minimum gap behind door
1.0	3	1.5
1.0	4	1.5
.9	5	1.5
.9	6	1.5
.9	7	1.5

7/8" thick door		
Minimum reveal	B Bore	Minimum gap behind door
1.8	3	1.5
1.7	4	1.5
1.7	5	1.5
1.6	6	1.5
1.6	7	1.5

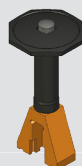
1" thick door		
Minimum reveal	B Bore	Minimum gap behind door *
4.3	3	1.5
3.8	4	1.5
3.4	5	2.2
3.2	6	3.2
3.0	7	4.2

* Factory setting is 1.5, may require adjustment

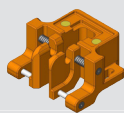
Knock-in tool and insertion ram

Press-in hinges must be inserted with knock-in tool or insertion ram only.

Knock-in tool



Insertion ram



Part no.

Knock-in tool	ZME.0710
Insertion ram	MZM.0040

Hinge cup cover cap

For use with CLIP top BLUMOTION hinges only. Suitable for screw-on, press-in and EXPANDO hinge cups.



Part no.

Nickel plated steel	70T3504
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Angle restriction clip

Restricts opening angle of the CLIP top BLUMOTION hinge to 86°. Angle restriction clip can be inserted after the hinge has been installed.



Part no.

Black nylon	70T3553
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CLIP top BLUMOTION 110°+ hinges

Product
CLIP top BLUMOTION
Information

Application



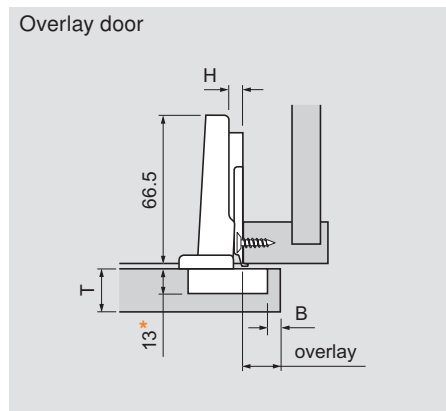
Description

- BLUMOTION integrated into the hinge cup
- Deactivation switch for small/light doors
- New geometry for door thicknesses up to **26 (1")**
- New INSERTA design
- New boring distance range 3 — 7 mm
- For door overlays up to 22 mm
- Compatible with existing CLIP mounting plates and hinge arm cover caps

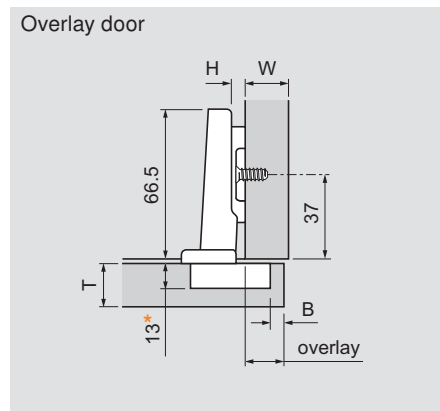
Minimum reveal

Minimum reveal table					
0.5	1.0	1.8	2.7	4.3	3
0.5	1.0	1.7	2.5	3.8	4
0.5	1.0	1.7	2.5	3.6	4.5
0.5	0.9	1.7	2.4	3.4	5
0.5	0.9	1.6	2.3	3.2	6
0.5	0.9	1.6	2.2	3.0	7
16	19	22	24	26	B
T Door thickness					Bore

Frame cabinet applications



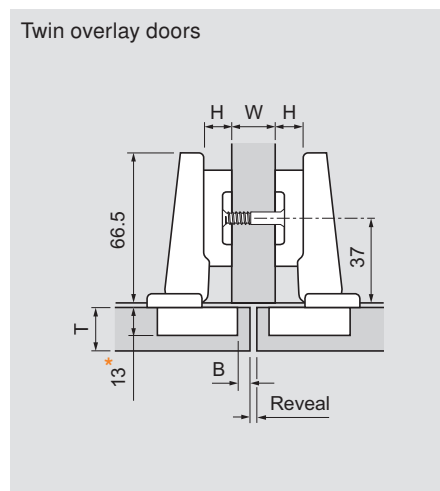
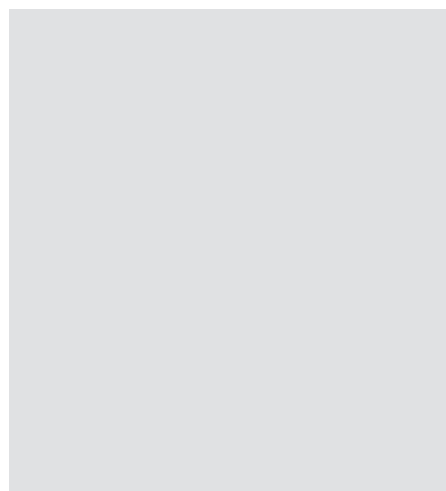
Panel cabinet applications



Straight-arm hinges		
Screw-on		73B3550
Press-in		73B3580
EXPANDO		73B358E
INSERTA		73B3590

Overlay table												
0	16	17	17.5	18	19	20	10	20	NOTE: 4.5 plate only available for face frame, 9 plate only available for panel cabinets			
3	13	14	14.5	15	16	17	13	23				
4.5	11.5	12.5	13	13.5	14.5	15.5	14.5	24.5				
6	10	11	11.5	12	13	14	16	26				
9	7	8	8.5	9	10	11	19	29				
H	3	4	4.5	5	6	7	P	S				
Plate	B Bore distance						Clearances					

13 fixed distance



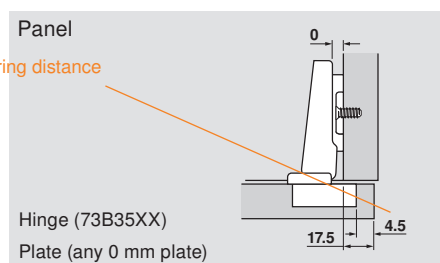
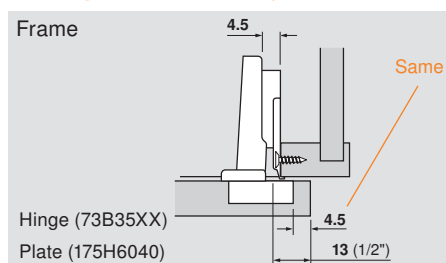
Straight-arm hinges		
Screw-on		73B3550
Press-in		73B3580
EXPANDO		73B358E
INSERTA		73B3590

Overlay table										Partial overlay	
9	7	8	8.5	9	10	11	19	29			
H	3	4	4.5	5	6	7	P	S			
Plate	B Bore distance						Clearances				

Reveal table										Twin overlay	
9	2	—	—	—	—	16	19	29			
	5	3	2	—	—	19					
	8	6	5	4	—	22					
H	3	4	4.5	5	6	7	W	P	S		
Plate	B Bore distance						Panel	Clearances			

4 fixed distance

Building both frame and panel cabinets



Same boring distance

The most common overlays for frame and panel cabinets can be achieved by using the same machine setting for hinge cup boring.

Bore all doors at 4.5 mm to achieve:

- 13 (1/2") overlay on frame cabinets
- 17.5 mm overlay on panel cabinets

Advantages:

- One machine setting for boring all doors
- Same hinge used for both applications

* All 35 mm and 8 mm holes must be a minimum of 13 mm deep

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CLIP top BLUMOTION 110°+ hinges

BLUMOTION
inside

Hinge cup centerpoint

C Cup centerpoint					
20.5	21.5	22	22.5	23.5	24.5
13/16"	27/32"	7/8"	29/32"	15/16"	31/32"
3	4	4.5	5	6	7
B Bore distance					

Cup centerpoint is the MINIPRESS or MINIDRILL fence depth position.

Adjustments

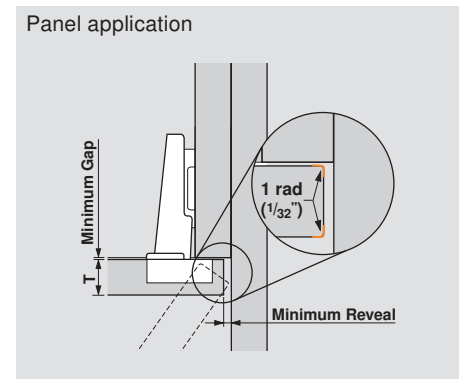
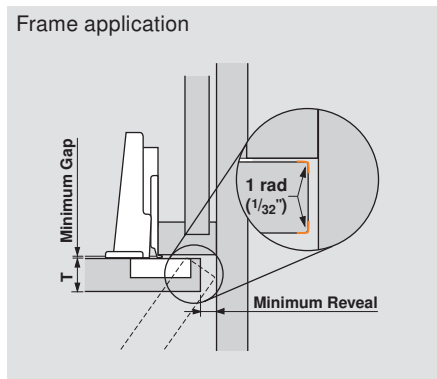
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.9	5	1.5
.9	6	1.5
.9	7	1.5

7/8" thick door		
Minimum reveal	B Bore	Minimum gap behind door
1.8	3	1.5
1.7	4	1.5
1.7	4.5	1.5
1.7	5	1.5
1.6	6	1.5
1.6	7	1.5

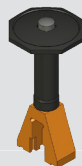
1" thick door		
Minimum reveal	B Bore	Minimum gap behind door *
4.3	3	1.5
3.8	4	1.5
3.6	4.5	2.0
3.4	5	2.2
3.2	6	3.2
3.0	7	4.2

* Factory setting is 1.5, may require adjustment

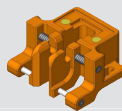
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Insertion ram



Part no.

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