

## COMPACT BLUMOTION and COMPACT Hinges A complete face frame program

Blum's COMPACT hinges program has proven itself as the high quality solution for face frame cabinets for over 30 years and continue to provide the quality of motion you have come to expect from Blum hardware.

COMPACT BLUMOTION hinges have the soft closing mechanism integrated directly in the hinge cup. They are available for most overlay face frame applications or door styles.



### Deactivation option

The BLUMOTION function can be easily deactivated on one of the hinges, allowing small or light doors to close with the same high quality of motion.



### Interchangeability

COMPACT BLUMOTION hinges are interchangeable with current COMPACT hinges so there is no need to change existing setups or workflows.



### Overload safety feature

This feature protects the hinge from damage if the door is slammed and maintains the BLUMOTION soft closing for the life of the hinge.



## Hinges



### COMPACT BLUMOTION and COMPACT Hinges Overview



#### COMPACT BLUMOTION 38N hinges for partial overlay

Partial overlay hinges with a 105° opening angle and 7/16" cup depth



#### COMPACT BLUMOTION 39C/38C hinges for full overlay

**39C:** Full overlay hinges with a 110° opening angle and 1/2" cup depth

**38C:** Full overlay hinges with a 107° opening angle and 7/16" cup depth



#### COMPACT BLUMOTION 38B face mount hinges for full overlay

Full overlay face mount hinges with a 107° opening angle and 7/16" cup depth



#### COMPACT 38N hinges for partial overlay

Partial overlay hinges with a 105° opening angle and 7/16" cup depth



#### COMPACT 39C/38C hinges for full overlay

**39C:** Full overlay hinges with a 110° opening angle and 1/2" cup depth

**38C:** Full overlay hinges with a 107° opening angle and 7/16" cup depth



### Conditions for Tests

Blum, Inc. does a great deal of testing to ensure that the quality of our hardware is consistent with the usual high standards that our customers have come to expect from Blum. For this reason we have rigorous testing procedures which are carried out from the development stage through production. Blum's internal testing standards are based on practical applications of our products and are more stringent than what is required by ANSI/BHMA.

**NOTE:** All Blum hinges meet or exceed ANSI/BHMA A156.9 Grade 2 requirements. All concealed hinges are designed for indoor use.

#### ISO 9001


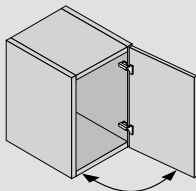
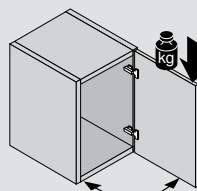
Blum, Inc. is ISO 9001 certified which means that you are assured of consistent quality in every Blum product.


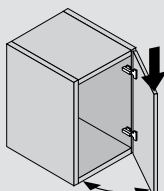
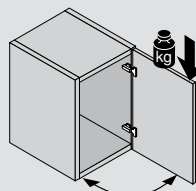
#### ANSI/BHMA


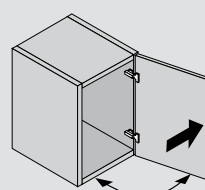
All Blum runners meet or exceed ANSI/BHMA A156.9 Grade 1 requirements. Contact your local Blum representative for more details.



Cycle test	
<b>Specifications</b>	<ul style="list-style-type: none"> <li>Door size – 23-5/8" height, 23-5/8" width, 3/4" thickness</li> <li>Door weight –14.3 lb for cycle tests</li> <li>Door weight – 18.5 lb for load and over push tests</li> <li>Boring distance – 3 mm</li> </ul>
<b>Distance between hinges</b>	<ul style="list-style-type: none"> <li>16-15/16"</li> </ul>
<b>Hinge and mounting plate attachment</b>	<ul style="list-style-type: none"> <li>Hinges are mounted to test blocks and attached to test door and stand with clamps</li> <li>Test blocks for door: Particle board</li> <li>Test blocks for mounting plate: Particle board</li> </ul>

Cycle test	
	<div> <b>Without load</b> <ul style="list-style-type: none"> <li>100,000 opening and closing for all COMPACT</li> </ul>  </div>
	<div> <b>With load</b> <ul style="list-style-type: none"> <li>11 lb extra weight is applied for 100,000 opening and closing cycles</li> </ul>  </div>
	<div> <b>Positive test result</b> </div>

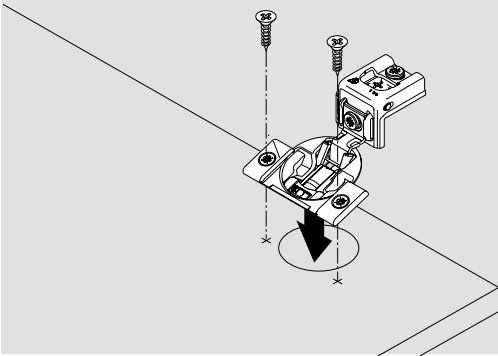
Load test	
	<div> <b>Static load</b> <ul style="list-style-type: none"> <li>67 lb applied ten times for five seconds, each at 45° opening angle</li> </ul>  </div>
	<div> <b>Dynamic load</b> <ul style="list-style-type: none"> <li>44 lb extra weight applied for fifty opening and closing cycles</li> </ul>  </div>
	<div> <b>Positive test result</b> </div>

Over push test	
	<div> <b>Without load</b> <ul style="list-style-type: none"> <li>COMPACT hinges – Increasing forces up to 11 lb applied for a total of forty times for five seconds each</li> </ul>  </div>
	<div> <b>Positive test result</b> </div>

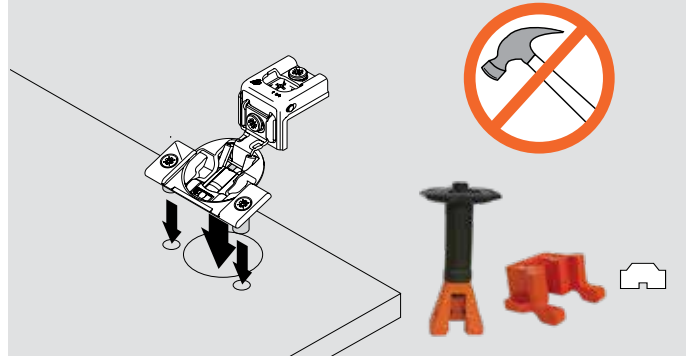
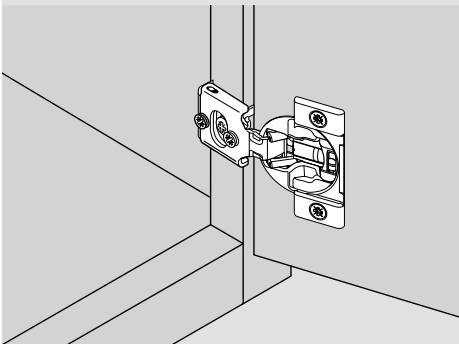
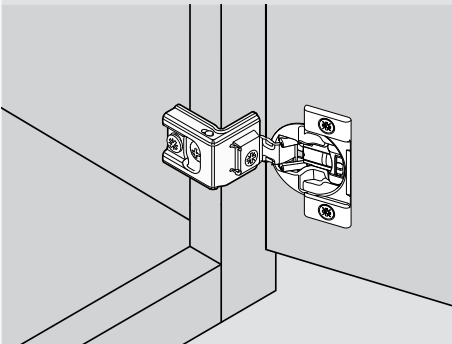
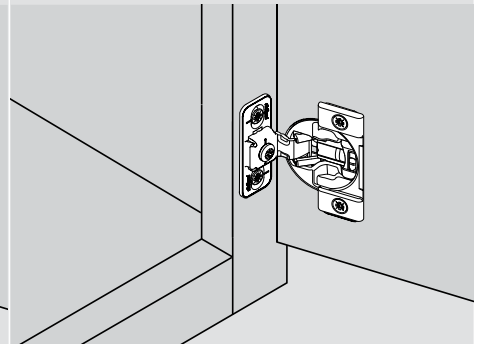


**Screw-on**

Use #6 wood screws

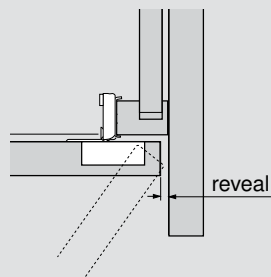
**Press-in**

Pre-attached Ø8 dowels installed with Blum knock-in tool or MINIPRESS with COMPACT insertion ram

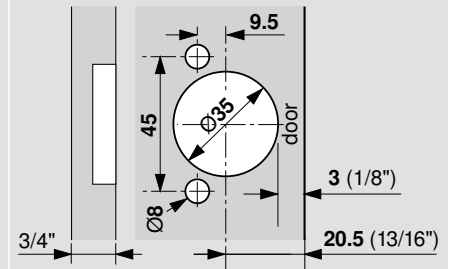
**Mounting plate attachment****38N series – wraparound/edge mount****39C/38C series – wraparound****38B series – face mount****Minimum reveal**

A minimum reveal per door is required to keep the door from binding and varies depending on door thickness.

See minimum reveal table for each hinge.

**Hinge cup centerpoint**

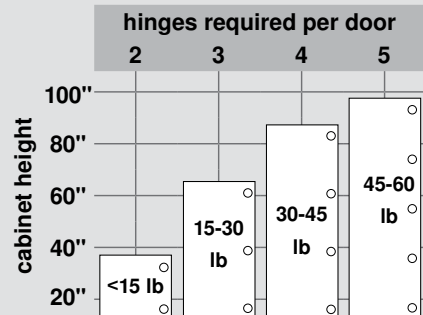
Hinge cup centerpoint and MINIPRESS/ MINIDRILL setback position is **20.5 (13/16")** for COMPACT BLUMOTION hinges



**NOTE:** Maximum door thickness 3/4"

**Hinges per door**

This chart can serve as a guide for determining the number of hinges per door. Note that door weight can also determine the number of hinges required.



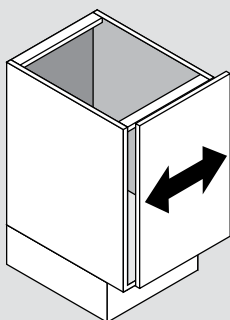
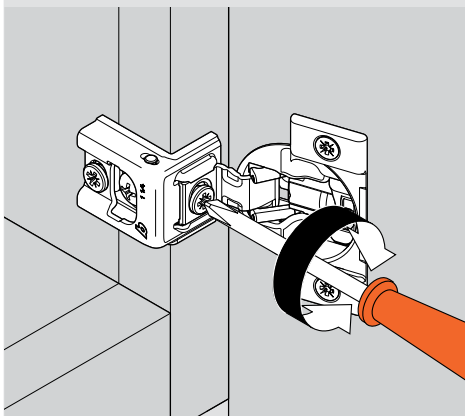
**NOTE:** The distance between the top and bottom hinges must be greater than the width of the door



### Three-dimensional adjustment

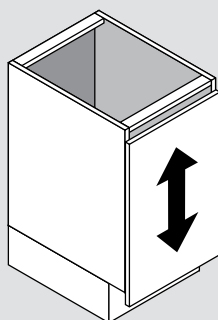
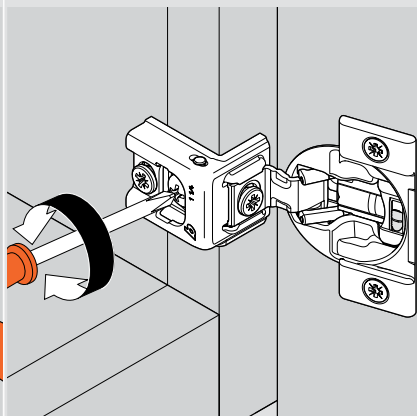
#### Side adjustment

Rotate the front cam screw to increase or decrease door overlay ( $\pm 1/16"$ )



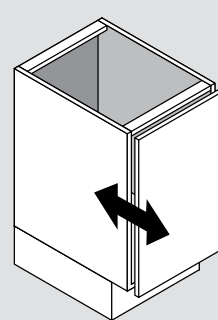
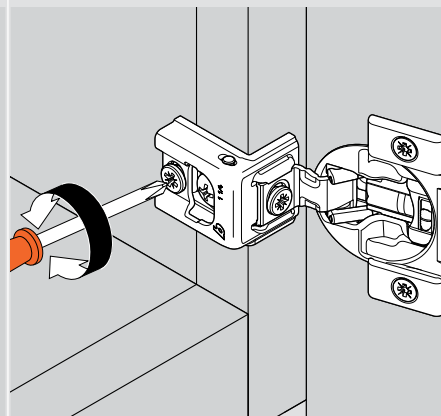
#### Height adjustment

Loosen installation screws to adjust door position ( $\pm 1/8"$ ), then retighten



#### Depth adjustment

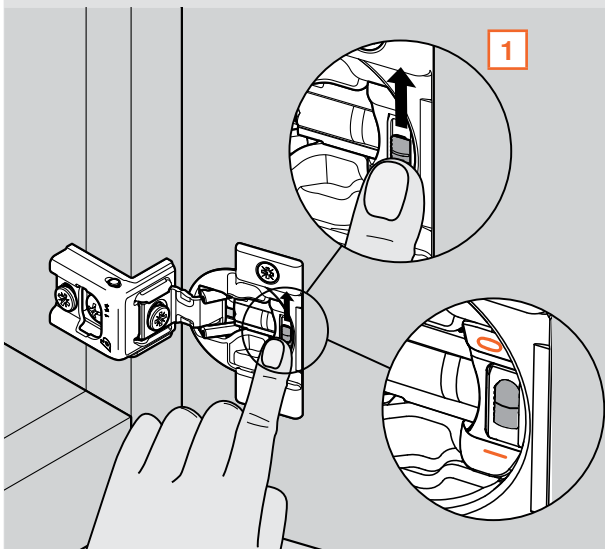
Rotate the rear cam screw to adjust door gap ( $+ 3/32"$ ,  $- 1/32"$ )



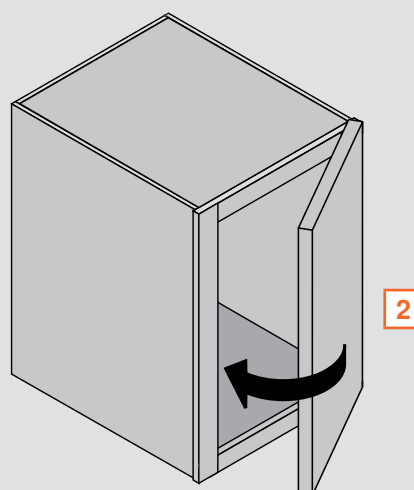
### BLUMOTION Deactivation

#### Deactivation switch on the hinge cup

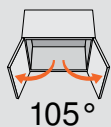
For small or light doors, the BLUMOTION can be deactivated on one of the hinges. COMPACT BLUMOTION comes in the activated position, marked with a "I". The deactivated position is marked with a "0".



Door must be closed once for the deactivation to be complete. To reactivate, move switch back to the original position "I".







## COMPACT BLUMOTION 38N for Partial Overlay

## Hinges

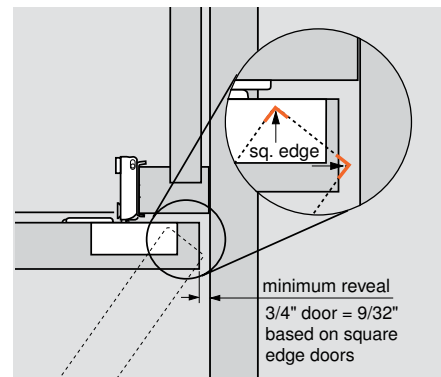


### Features

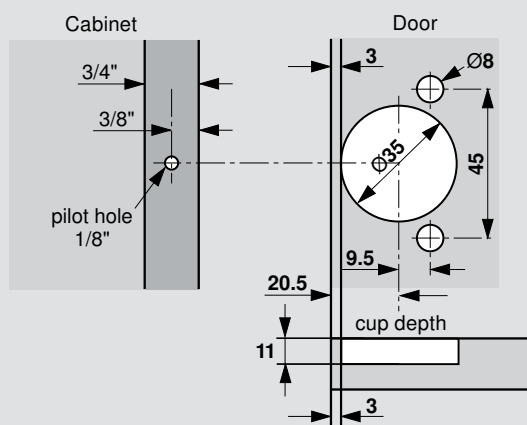
- BLUMOTION integrated into the hinge cup
- Deactivation switch for small/light doors
- Overload safety feature
- One-piece wraparound hinge
- 7/16" cup depth
- Edge mount available in 1/2" overlay



### Minimum Reveal

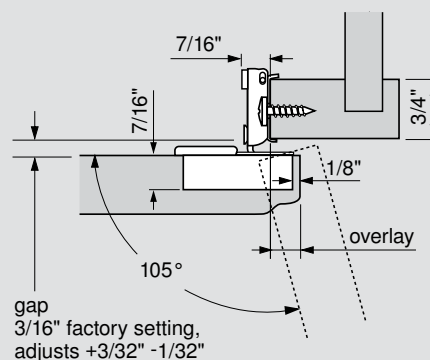


### Boring pattern

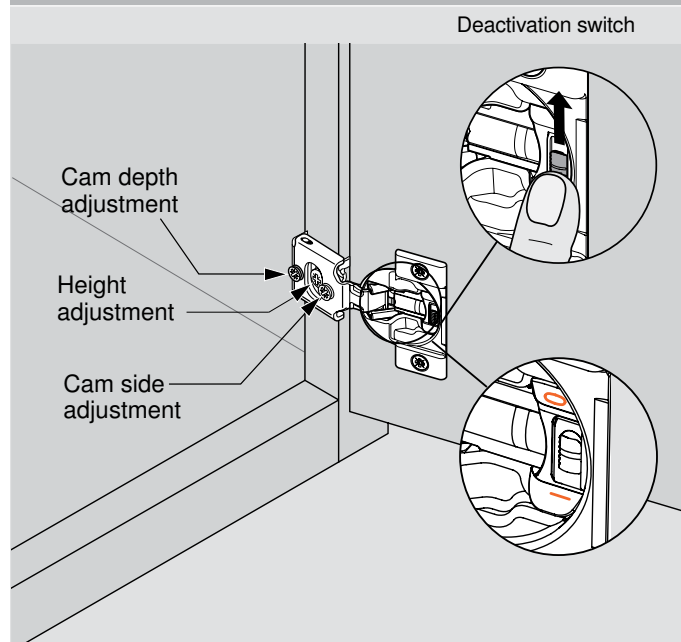


**NOTE:** Maximum door thickness 3/4"

### Dimensions

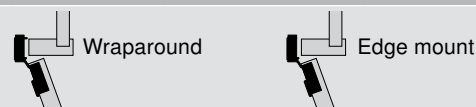


### Adjustment



**NOTE:** COMPACT BLUMOTION comes in the activated position, marked with a "I" – the deactivated position is marked with a "0"

### Wraparound and edge mount hinges



Overlay	Door protrusion	Screw-on	<sup>47</sup> Press-in
5/16"	5/16"		38N358B.05
3/8"	1/4"	38N355B.06	38N358B.06
1/2"	1/8"	38N355B.08	38N358B.08
*1/2"	1/8"	38N355BE08	38N358BE08
5/8"	0	38N355B.10	38N358B.10
3/4"	0	38N355B.12	38N358B.12

\*Available as edge mount hinge

### Installation screw

Truss head screw	834TH
------------------	-------

### Accessories

Angle restriction clip	38C315B3.1
Hinge cup spacer	38C355B9
*Blank cover cap	38N3508B

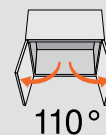
\*See page 85 for additional cover cap options



# Hinges



## COMPACT BLUMOTION 39C for Full Overlay

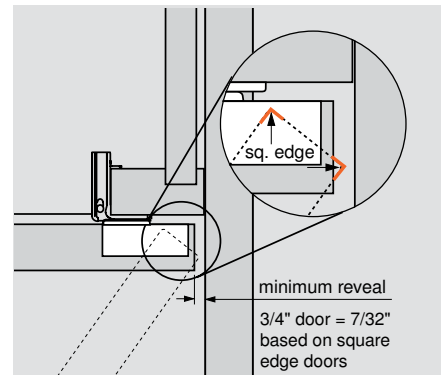


### Features

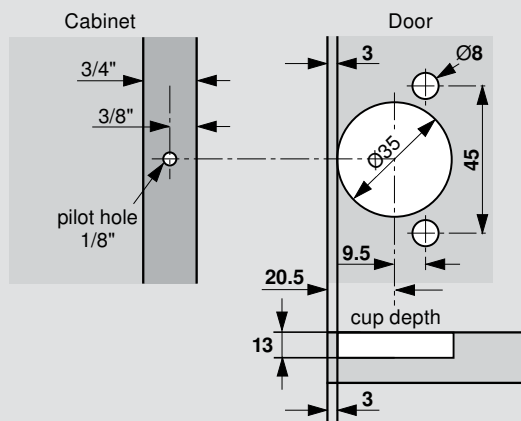
- BLUMOTION integrated into the hinge cup
- Deactivation switch for small/light doors
- Overload safety feature
- One-piece wraparound hinge
- 1/2" cup depth
- Less minimum reveal



### Minimum Reveal

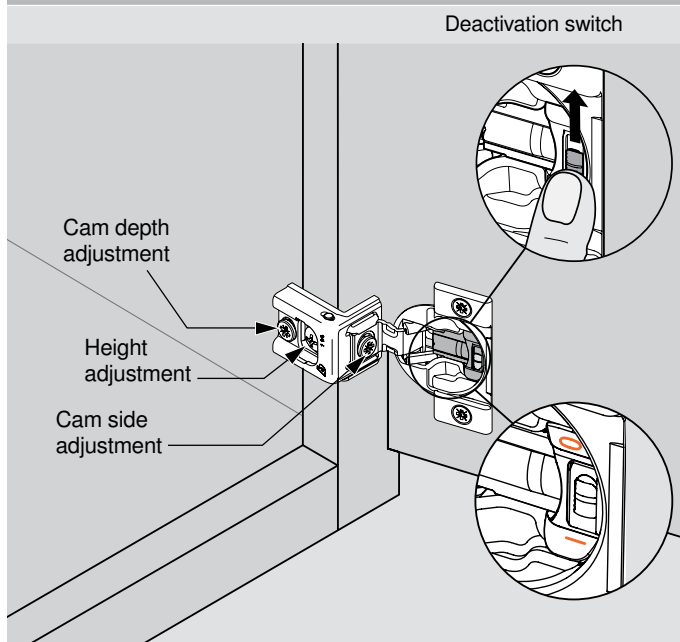


### Boring pattern



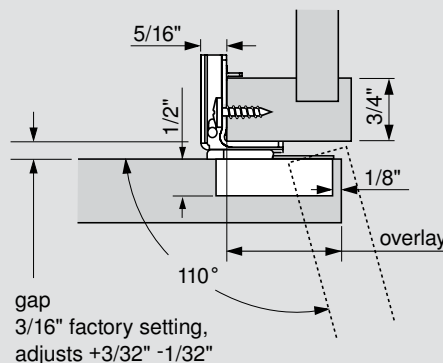
**NOTE:** Maximum door thickness 3/4"

### Adjustments

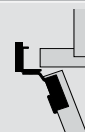


**NOTE:** COMPACT BLUMOTION comes in the activated position, marked with an "I" – the deactivated position is marked with a "0"

### Dimensions



### Wraparound hinges



Overlay	Screw-on	 Press-in
1"	39C355B.16	39C358B.16
1-1/4"	39C355B.20	39C358B.20
1-5/16"	39C355B.21	39C358B.21
1-3/8"	39C355B.22	39C358B.22
1-1/2"	39C355B.24	39C358B.24
1-9/16"	39C355B.25	39C358B.25

### Installation screw

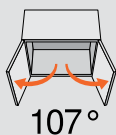
Truss head screw	834TH
------------------	-------

### Accessories

Angle restriction clip	38C315B3.1
Hinge cup spacer	38C355B9
*Blank cover cap	38C3508

\*See page 85 for additional cover cap options





## COMPACT BLUMOTION 38C for Full Overlay

## Hinges

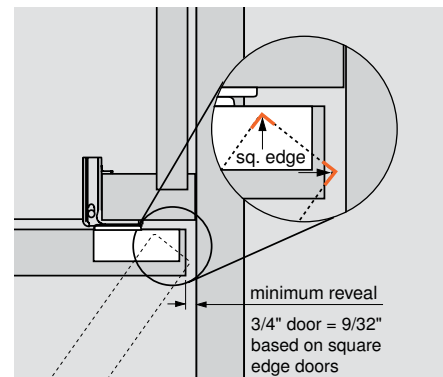


### Features

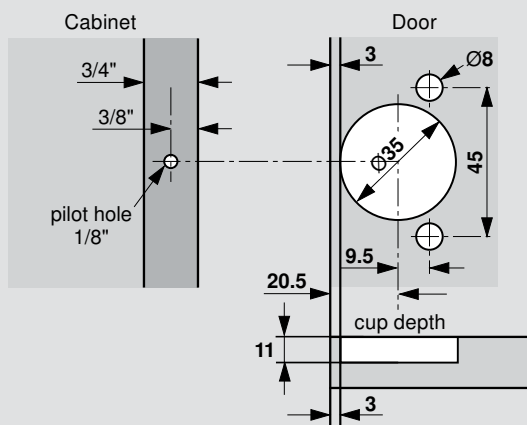
- BLUMOTION integrated into the hinge cup
- Deactivation switch for small/light doors
- Overload safety feature
- One-piece wraparound hinge
- 7/16" cup depth
- Ideal for profiled doors



### Minimum Reveal

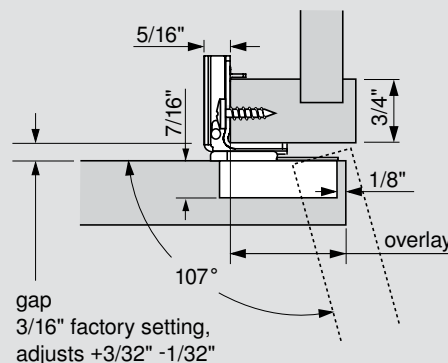


### Boring pattern

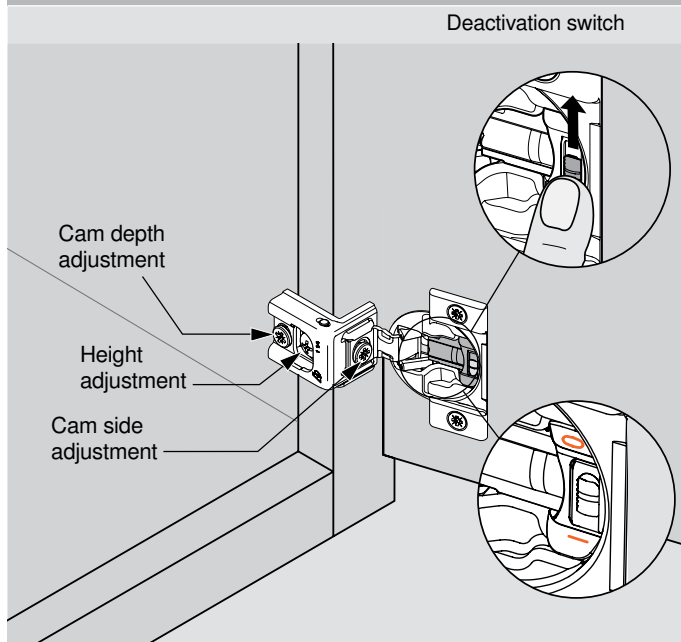


**NOTE:** Maximum door thickness 3/4"

### Dimensions

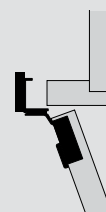


### Adjustments



**NOTE:** COMPACT BLUMOTION comes in the activated position, marked with an "I" – the deactivated position is marked with a "0"

### Wraparound hinges



Overlay	Screw-on	47 Press-in
1-1/4"	38C355B.20	38C358B.20

### Installation screw

Truss head screw	834TH
------------------	-------

### Accessories

Angle restriction clip	38C315B3.1
Hinge cup spacer	38C355B9
*Blank cover cap	38C3508

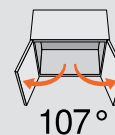
\*See page 85 for additional cover cap options



# Hinges



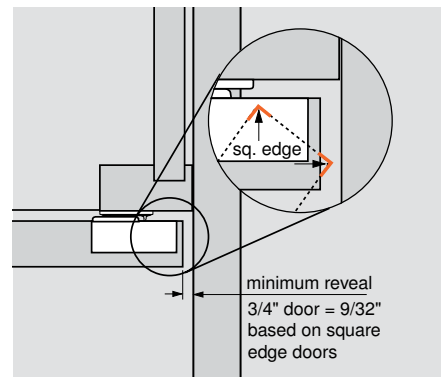
## COMPACT BLUMOTION 38B for Face Mount



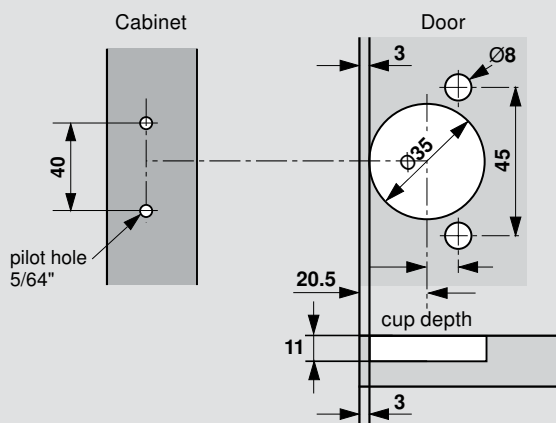
### Features

- BLUMOTION integrated into the hinge cup
- Deactivation switch for small/light doors
- Overload safety feature
- One-piece face mount hinge
- 7/16" cup depth
- Ideal for large overlays or refacing of cabinets

### Minimum Reveal

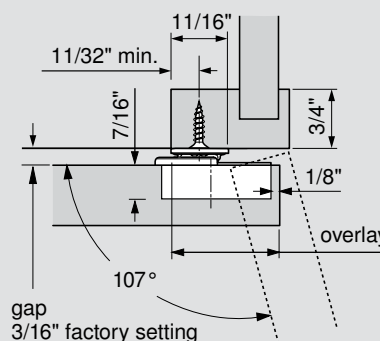


### Boring pattern

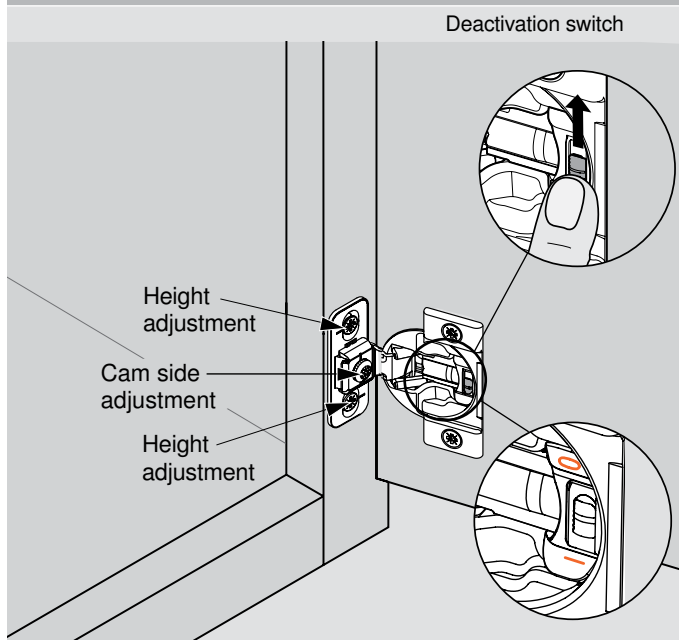


**NOTE:** Maximum door thickness 3/4"

### Dimensions

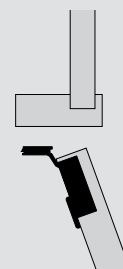


### Adjustments



**NOTE:** COMPACT BLUMOTION comes in the activated position, marked with an "I" – the deactivated position is marked with a "0"

### Face mount hinges



Overlay	Screw-on	47 Press-in
1-3/8" or greater	38B355BF22	38B358BF22

### Installation screw

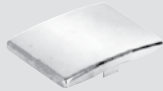
Flat head wood screw	606N or 606P
----------------------	--------------

### Accessories

Angle restriction clip	38C315B3.1
Hinge cup spacer	38C355B9



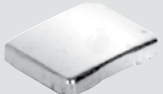
### Hinge arm cover caps



39C/38C blank cover cap



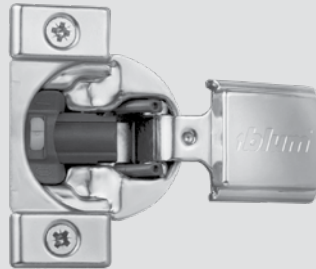
39C/38C Blum logo embossed cover cap



38N blank cover cap



38N Blum logo embossed cover cap



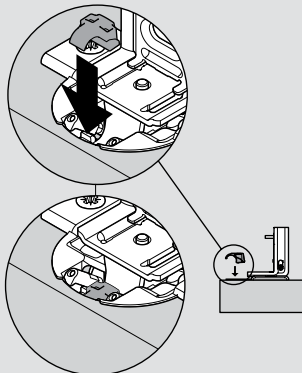
- Steel, nickel-plated cap
- Available blank or embossed (Blum logo)
- Also available with printed custom logo (minimum order quantity applies)

Part no.

39C/38C blank cover cap	<b>38C3508</b>
39C/38C Blum logo embossed cover cap	<b>38C3508.BP</b>
38N blank cover cap	<b>38N3508B</b>
38N Blum logo embossed cover cap	<b>38N3508BBP</b>

### Angle restriction clip

- Restricts opening angle of the COMPACT BLUMOTION to 86°
- Angle restriction clip must be inserted before the hinge has been attached to the face frame
- Gray nylon

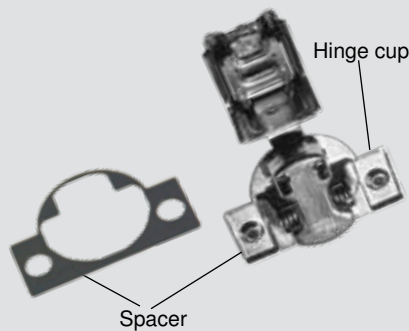


Part no.

Angle restriction clip **38C315B3.1**

### Hinge cup spacer

- 1/16" spacer for use under the hinge cup for thin or profile doors
- Non-stackable
- Gray nylon

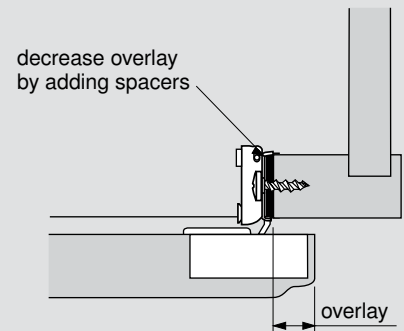
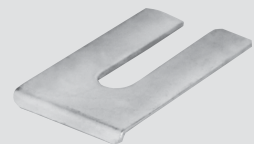


Part no.

Hinge cup spacer **38C355B9**

### Distance spacer

- Steel spacer decreases door overlay in 1/32" increments
- Can be stacked to achieve desired overlay reduction
- Steel, zinc-coated



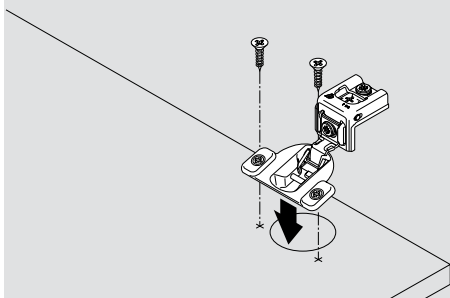
Part no.

Distance spacer **36.3515**



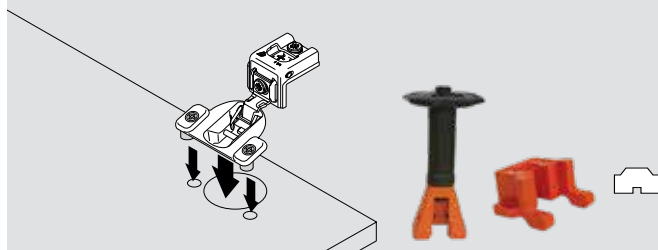
### Screw-on hinge attachment

Use #6 wood screws



### Press-in hinge attachment

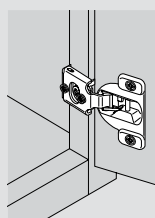
Pre-attached Ø8 dowels installed with Blum knock-in tool or MINIPRESS with COMPACT insertion ram.



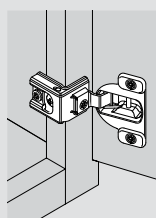
### Mounting plate attachment

#### One-piece assembly

COMPACT 38N  
wrap or edge

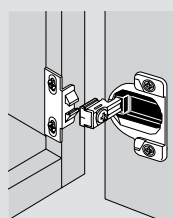


COMPACT 39C/38C  
wraparound

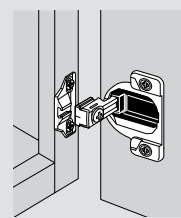


#### Two-piece assembly

COMPACT 33  
edge mount

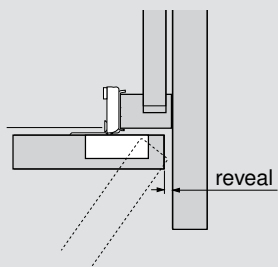


COMPACT 33  
face mount



### Minimum reveal

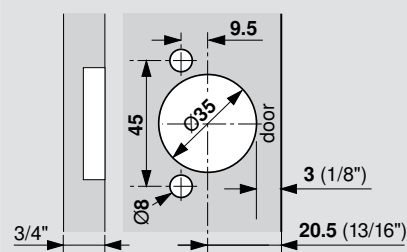
A minimum reveal per door is required to keep the door from binding and varies depending on door thickness (see minimum reveal table for each hinge).



### Hinge cup centerpoint

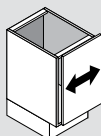
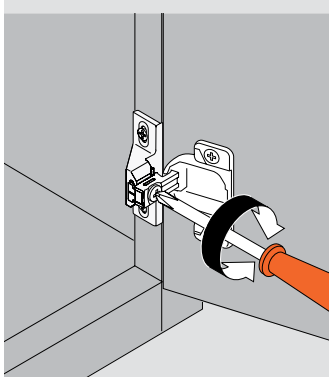
Cup centerpoint and MINIPRESS/MINIDRILL setback position is 20.5 (13/16") for COMPACT hinges.

**NOTE:** Maximum door thickness 3/4"



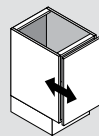
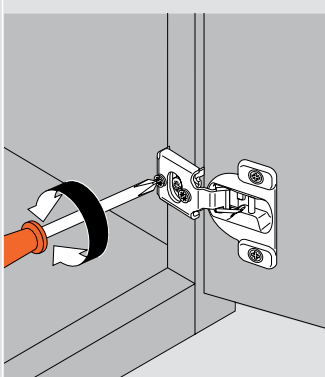
### Three-way independent adjustment

#### Side adjustment



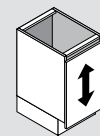
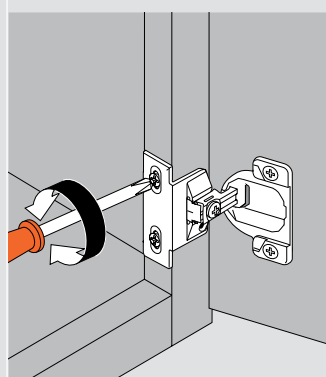
Side adjustment is possible on all COMPACT hinges. COMPACT 38N, 39C and 38C have cam side adjustment.

#### Depth adjustment



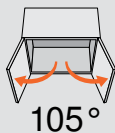
COMPACT 38N, 39C and 38C have cam depth adjustment

#### Height adjustment



All COMPACT hinges are independently height adjustable





## COMPACT 38N for Partial Overlay

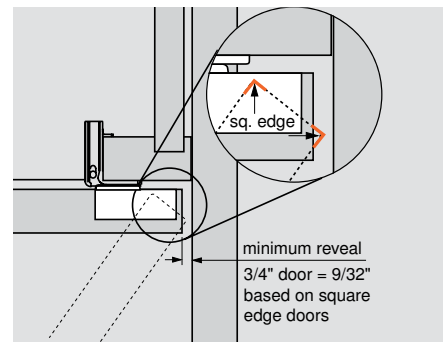
## Hinges



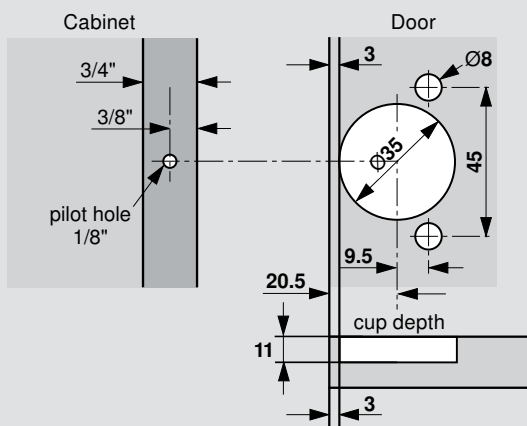
### Features

- 105° opening angle
- One piece assembly
- Wraparound or edge mount
- 7/16" cup depth
- ±1/8" height adjustment
- ±1/16" side adjustment
- +3/32", -1/32" cam depth adjustment
- Steel, nickel-plated
- Can be used with BLUMOTION 971A9700

### Minimum Reveal

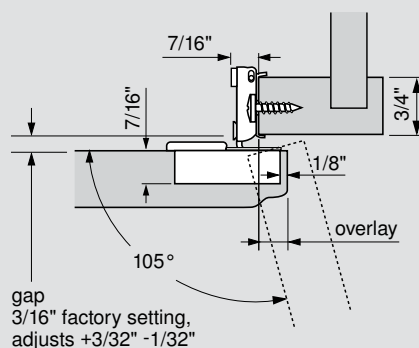


### Boring pattern

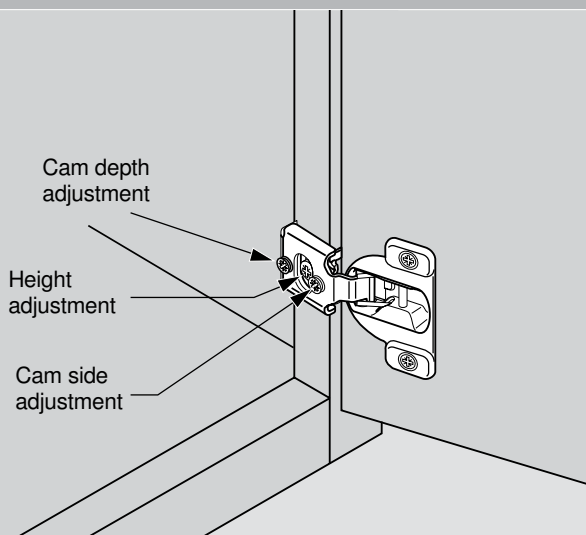


**NOTE:** Maximum door thickness 3/4"

### Dimensions



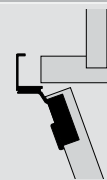
### Adjustments




### Calculating door protrusion

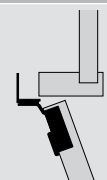
Door overlay	Door protrusion
3/8"	1/4"
1/2"	1/8"
5/8"	0
3/4"	0

### Wraparound hinges



Overlay	Screw-on	 Press-in
3/8"	38N355C.06	38N358C.06
1/2"	38N355C.08	38N358C.08
5/8"	38N355C.10	38N358C.10
3/4"	38N355C.12	38N358C.12

### Edge mount hinges



Overlay	Screw-on	 Press-in
1/2"	38N355CE08	38N358CE08

### Installation screw

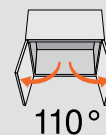
Truss head installation screw	834TH
-------------------------------	-------



# Hinges



## COMPACT 39C for Full Overlay



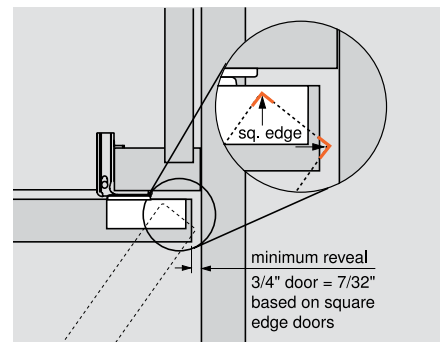
110°

### Features

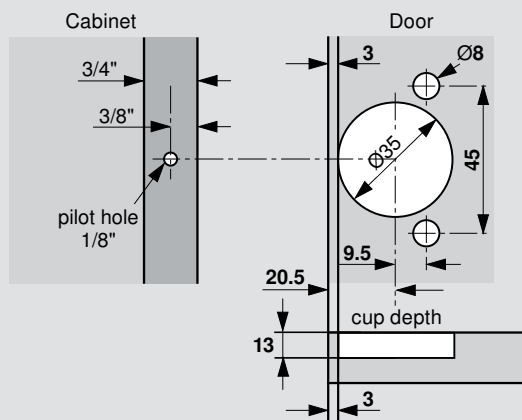
- 110° opening angle
- One piece assembly
- Wraparound mount
- 1/2" cup depth
- ±1/8" height adjustment
- ±1/16" side adjustment
- +3/32", -1/32" cam depth adjustment
- Steel, nickel-plated
- Can be used with BLUMOTION 971A9700



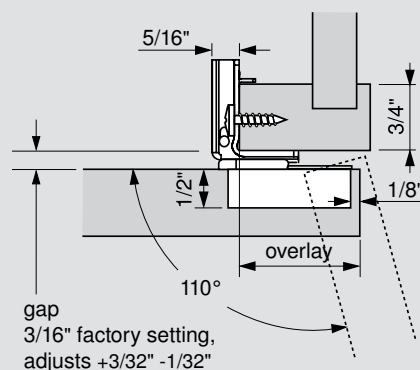
### Minimum Reveal



### Boring pattern

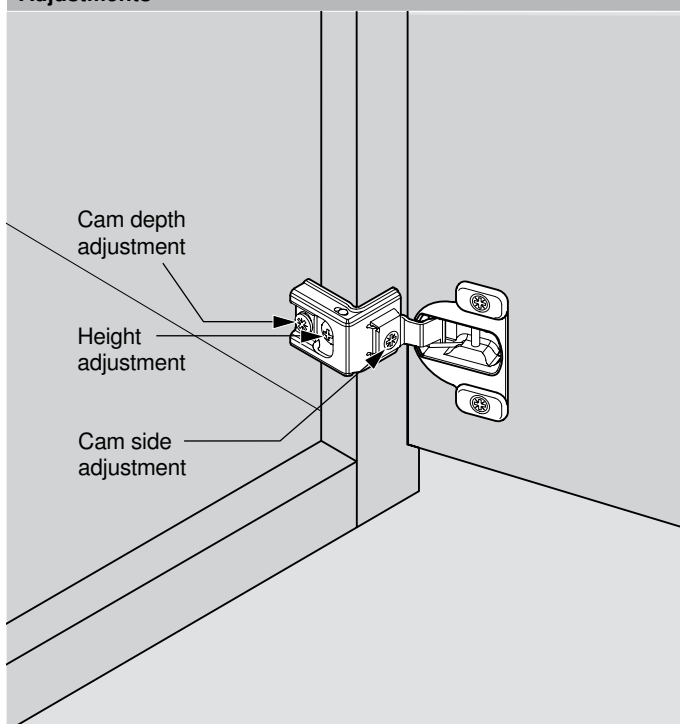


### Dimensions

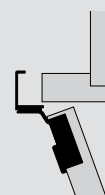



**NOTE:** Maximum door thickness 3/4"

### Adjustments



### Wraparound hinges

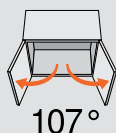


Overlay	Screw-on	 Press-in
1"	39C355C.16	39C358C.16
1-1/4"	39C355C.20	39C358C.20
1-3/8"	39C355C.22	39C358C.22
1-1/2"	39C355C.24	39C358C.24
1-9/16"		39C358C.25

### Installation screw

Truss head installation screw	834TH
-------------------------------	-------





## COMPACT 38C for Full Overlay

## Hinges

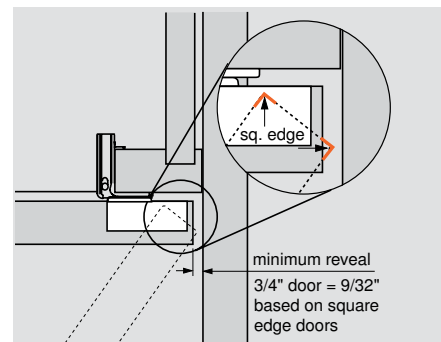


### Features

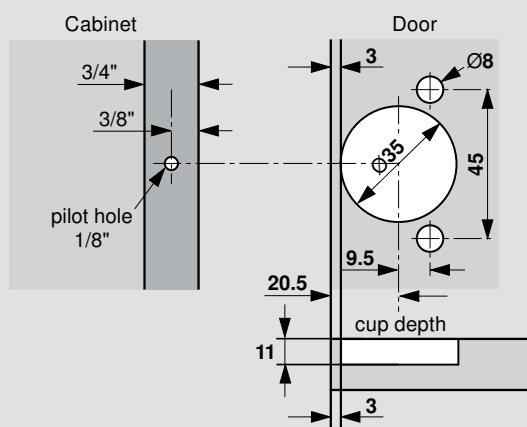
- 107° opening angle
- One piece assembly
- Wraparound mount
- 7/16" cup depth
- ±1/8" height adjustment
- ±1/16" side adjustment
- +3/32", -1/32" cam depth adjustment
- Steel, nickel-plated
- Can be used with BLUMOTION 971A9700



### Minimum Reveal

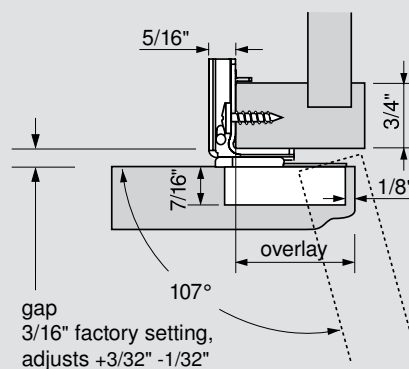


### Boring pattern

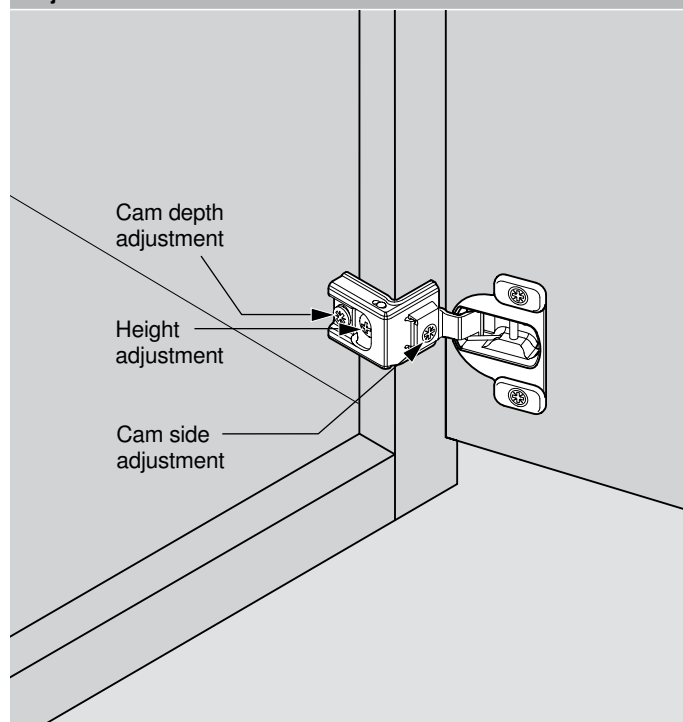


**NOTE:** Maximum door thickness 3/4"

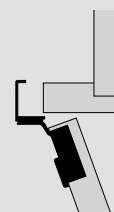
### Dimensions




### Adjustments



### Wraparound hinges



Overlay	Screw-on	 Press-in
1-1/4"	38C355C.20	38C358C.20
1-3/8"		38C358C.22
1-1/2"		38C358C.24

### Installation screw

Truss head installation screw	834TH
-------------------------------	-------

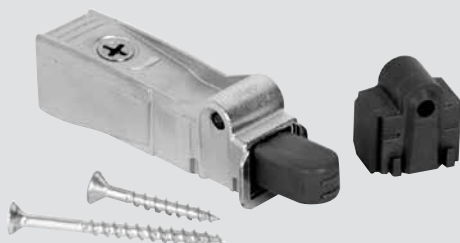


# Hinges



## BLUMOTION 971A for COMPACT Hinges

### BLUMOTION 971A poly-bag set



Can be used for all COMPACT hinges

Set includes:

- BLUMOTION mechanism (971A9700)
- Spacer (971A9709)
- #8 x 1-1/4" type 17 wood screw
- #8 x 2" type 17 wood screw

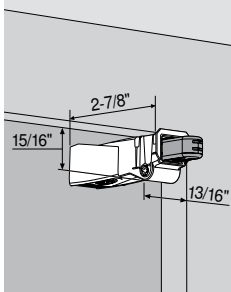
Part no.

Poly-bag set

971A9700.22

### Full overlay

- Full overlay – 1" or greater overlay

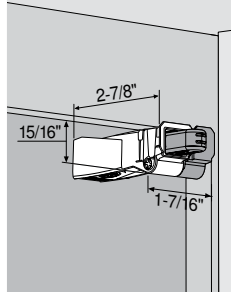


Part no.

BLUMOTION	971A9700
Installation screw (1-1/4")	8114Z

### Partial overlay

- Partial overlay – less than 1" overlay



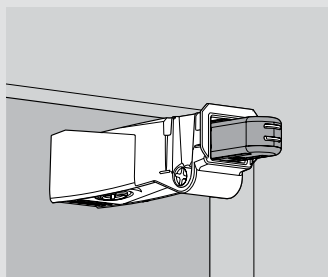
Part no.

BLUMOTION	971A9700
Spacer	971A9709
Installation screw (2")	8200Z

## Specifications

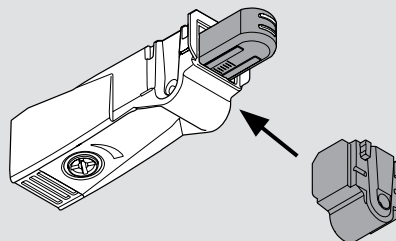
### Mounting

BLUMOTION for doors mounts anywhere on the hinge-side stile of the cabinet using a 1-1/4" screw or 2" screw when using spacer.



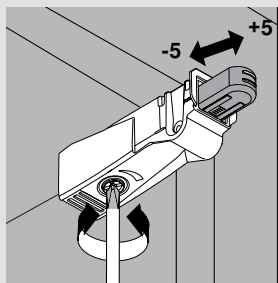
### Attachment of partial overlay spacer

The partial overlay spacer snaps onto the side of the BLUMOTION for easier mounting.



### Adjustment

Use a Phillips or POZI screwdriver to adjust the contact point in or out ( $\pm 5$  mm). Adjust out for larger, heavier doors or in for smaller, lighter doors.

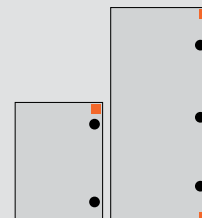


### BLUMOTION per door

For optimum BLUMOTION effect, one BLUMOTION 971A should be installed for most applications.

Tall or heavy doors may require an additional BLUMOTION 971A. Trial application recommended.

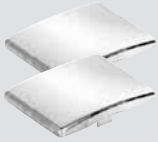
- BLUMOTION 973A
- Hinges





## COMPACT Cover Caps

### COMPACT 39C/38C cover cap



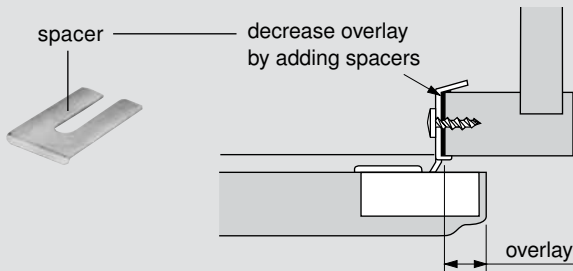
- Use with COMPACT 39C/38C hinges only
- Clip on attachment/removal
- Available blank/embossed blum logo or with printed custom logo (minimums apply)
- Steel, nickel-plated

Part no.

Blank **38C3508**

Embossed Blum logo **38C3508.BP**

### Distance spacer



- Decreases door overlay in 1/32" increments
- Can be stacked to achieve desired overlay reduction
- Steel, zinc-coated

Part no.

Distance spacer **36.3515**

## Dowel Cross-Reference Chart

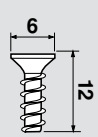
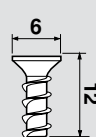
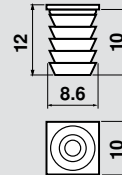
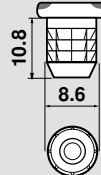
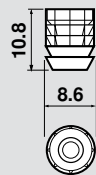
### Blum press-in dowels simplify installation

Use the charts below to find the proper hinge-to-dowel combination

#### Ø8 mm dowels



**NOTE:** All dowels for Ø8 mm holes require a #6 x 1/2" dowel screw (608.1200)



Dowels for Ø8 mm hole		70.0532	70T5582.01	34.3582.01	602.1200	608.1200
Type	Series	Without flange	Square head with flange	With flange	Installation screw	Installation screw
CLIP top BLUMOTION, CLIP top and CLIP	100°/107°	✓				✓
	110°/110°+		✓		✓	
	120°/120°+	✓				✓
	170°	✓				✓
	Thick door	✓				✓
	Zero protrusion	✓				✓
	Diagonal 45°	✓				✓
	Blind corner	✓				✓
COMPACT BLUMOTION and COMPACT	Bi-fold	✓				✓
	38N			✓		✓
	39C/38C/38B			✓		✓