COMPACT BLUMOTION

Face frame concealed hinges with integrated BLUMOTION

Innovative technology concentrated in a small space

Since the 1980s Blum's COMPACT concealed hinge has proven itself as the high quality solution for face frame cabinets. The new BLUMOTION soft closing mechanism is integrated in the hinge cup, and continues to provide the quality of motion you have come to expect from Blum hardware. COMPACT BLUMOTION hinges are available for most overlay face frame applications or door styles.

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.

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.

Interchangeable with COMPACT hinges

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

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A complete face frame program

39C series — Full overlay hinges

COMPACT BLUMOTION 39C full overlay hinges with a 110° opening angle and 1/2" cup depth.

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38C series — Full overlay hinges

COMPACT BLUMOTION 38C full overlay hinges with a 107° opening angle and 7/16" cup depth (ideal for profile doors).

page 7

38N series — Partial overlay hinges

COMPACT BLUMOTION 38N partial overlay hinges with a 105° opening angle and 7/16" cup depth.

page 8

38B series — Full overlay, face mount hinges

COMPACT BLUMOTION 38B full overlay face mount hinges with a 107° opening angle and 7/16" cup depth.

page 9

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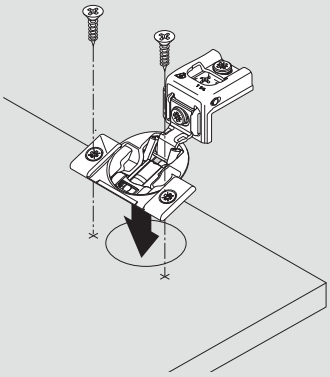
General specifications

BLUMOTION inside

Hinge attachment

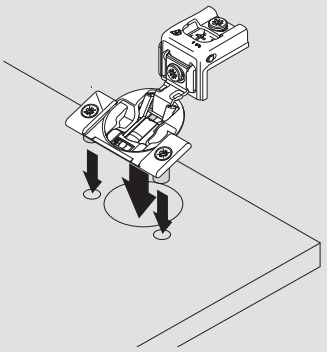
Screw-on

Use #6 wood screws



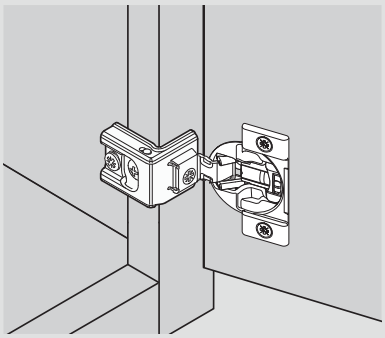
Press-in

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

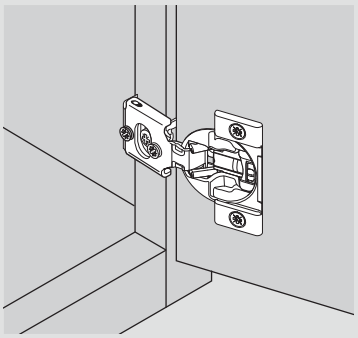


Mounting plate attachment

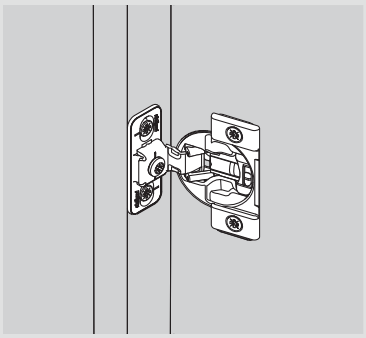
39C/38C series – wraparound



38N series – wraparound/edge mount

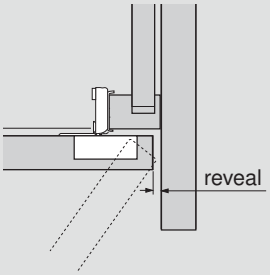


38B series – face mount



Minimum reveal

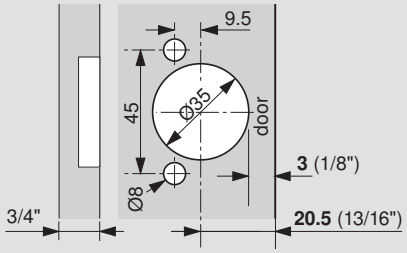
A minimum reveal per door is required to keep the door from binding and varies depending on door thickness (see minimum reveal table for each hinge).



Hinge cup centerpoint

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

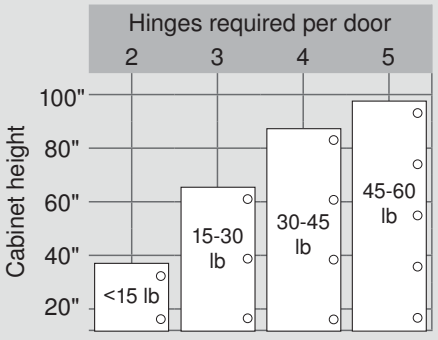
NOTE: Maximum door thickness 3/4"



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



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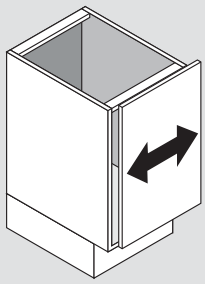
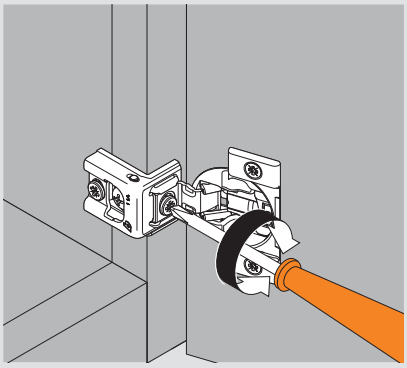
Door adjustment

Three-dimensional adjustment

Side adjustment

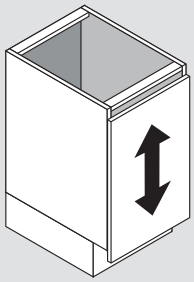
Rotate the front cam screw to increase or decrease door overlay (+/- 1/16").

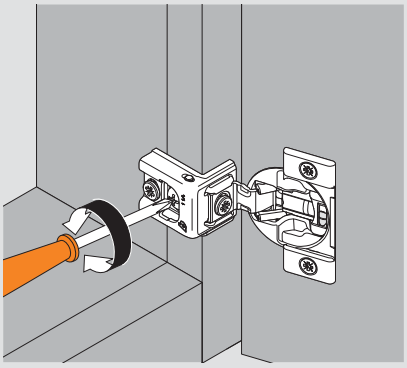




Height adjustment

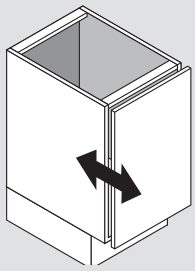
Loosen installation screws to adjust door position (+/- 1/8"), then retighten.

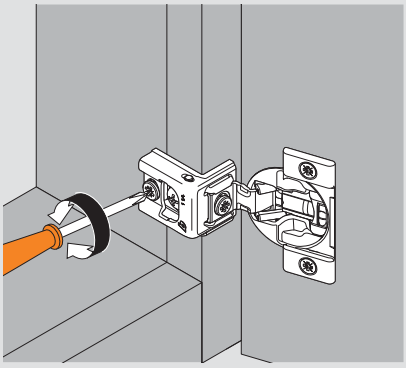




Depth adjustment

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

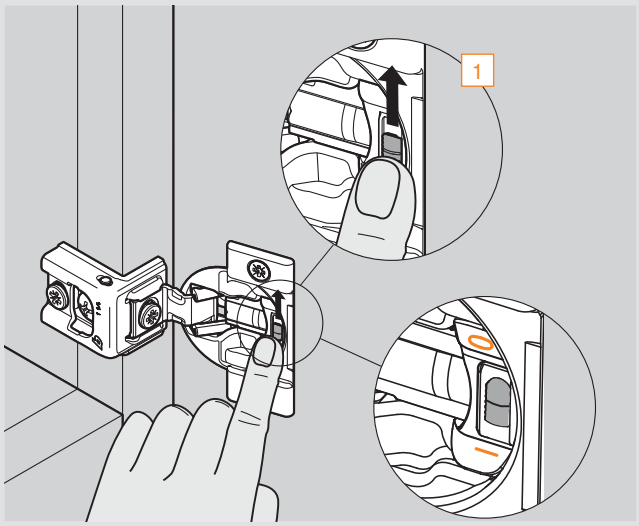




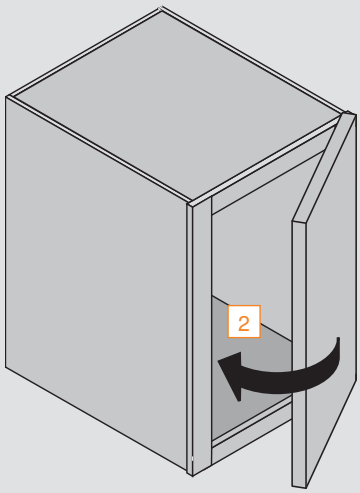
BLUMOTION deactivation

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”.



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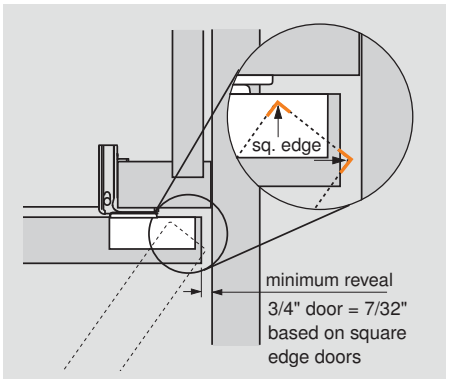
COMPACT BLUMOTION 39C hinges for full overlay

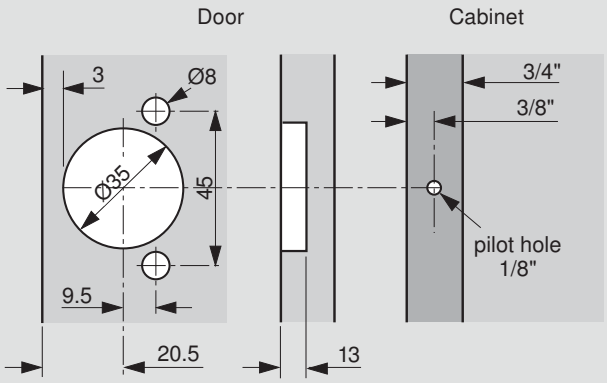
Features

- BLUMOTION soft close integrated into the hinge cup
- Deactivation switch for small/light doors
- Overload safety feature
- One-piece wraparound hinge
- 1/2" cup depth
- Press-in hinges must be inserted with knock-in tool or COMPACT insertion ram

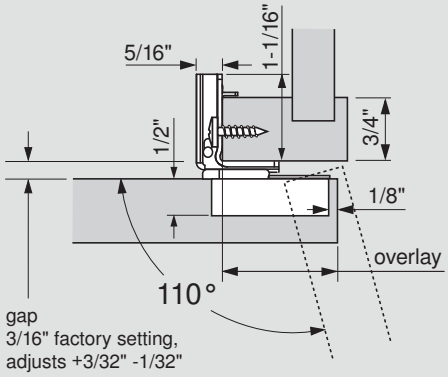
Minimum reveal



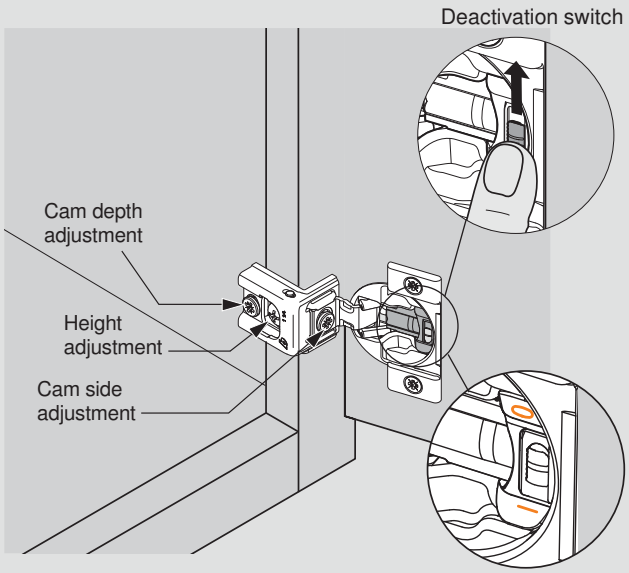
Boring pattern



Dimensions



Adjustment



NOTE: COMPACT BLUMOTION comes in the activated position, marked with a “I”. The deactivated position is marked with a “0”.

Wraparound hinges

Overlay	Screw-on	47 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
Hinge cup spacer	38C355B9
* Blank cover cap	38C3508

* See page 10 for additional cover cap options

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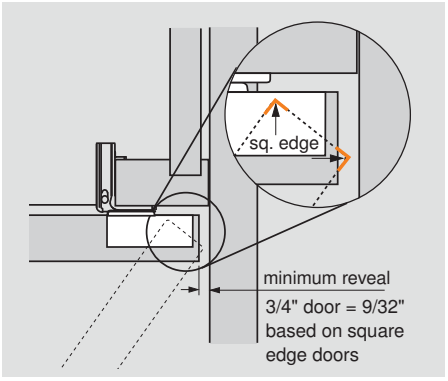
COMPACT BLUMOTION 38C hinges for full overlay

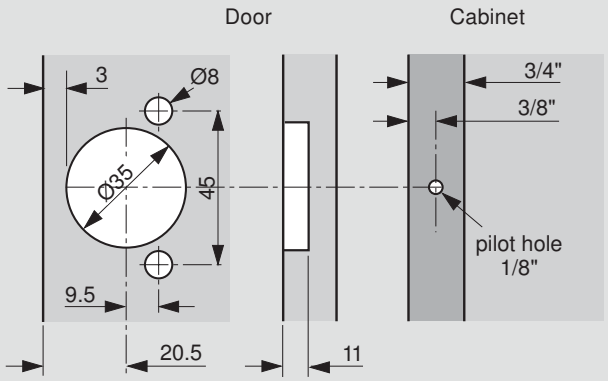
Features

- BLUMOTION soft close integrated into the hinge cup
- Deactivation switch for small/light doors
- Overload safety feature
- One-piece wraparound hinge
- 7/16" cup depth
- Press-in hinges must be inserted with knock-in tool or COMPACT insertion ram

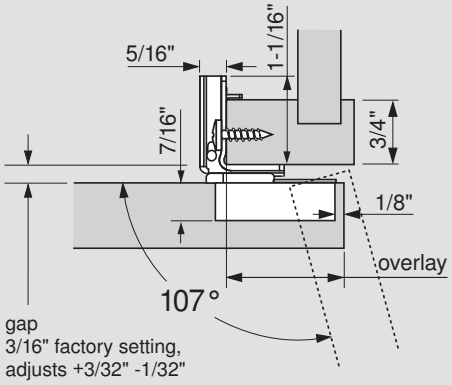
Minimum reveal



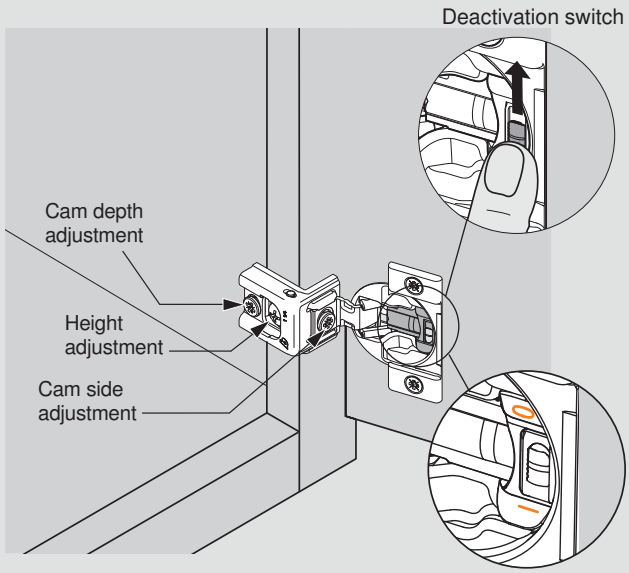
Boring pattern



Dimensions

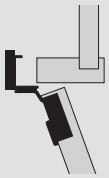


Adjustment



NOTE: COMPACT BLUMOTION comes in the activated position, marked with a “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
Hinge cup spacer	38C355B9
* Blank cover cap	38C3508

* See page 10 for additional cover cap options

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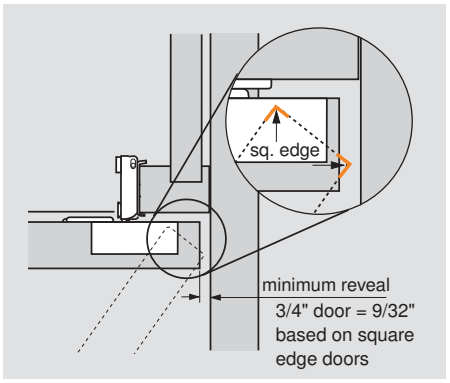
COMPACT BLUMOTION 38N hinges for partial overlay

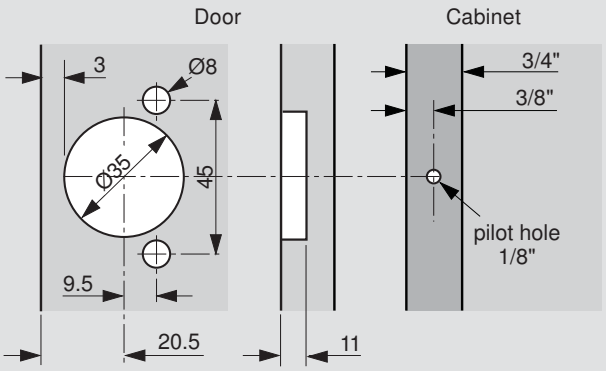
Features

- BLUMOTION soft close integrated into the hinge cup
- Deactivation switch for small/light doors
- Overload safety feature
- One-piece wraparound hinge
- Edge mount available in 1/2" overlay
- 7/16" cup depth
- Press-in hinges must be inserted with knock-in tool or COMPACT insertion ram

Minimum reveal



Boring pattern



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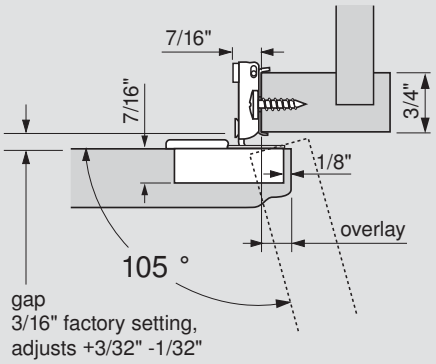
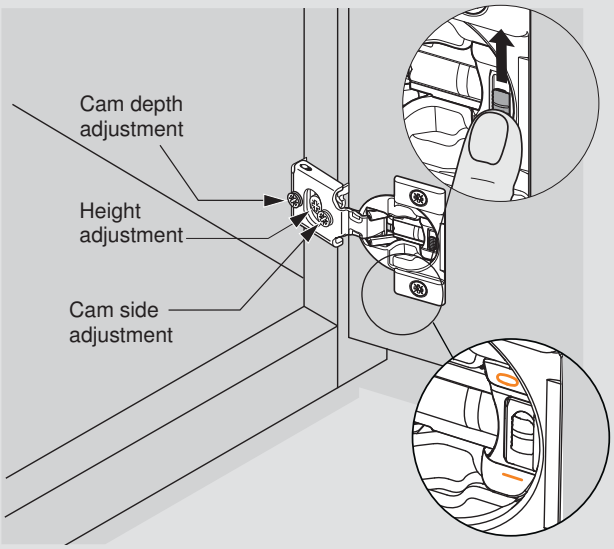


Adjustment



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

wraparound

edge mount

Overlay	Door protrusion	Screw-on	47 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
Hinge cup spacer	38C355B9
* Blank cover cap	38N3508B

* See page 10 for additional cover cap options

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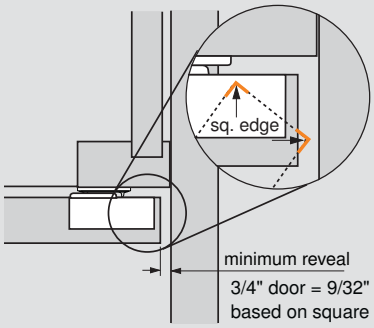
COMPACT BLUMOTION 38B hinges for face mount

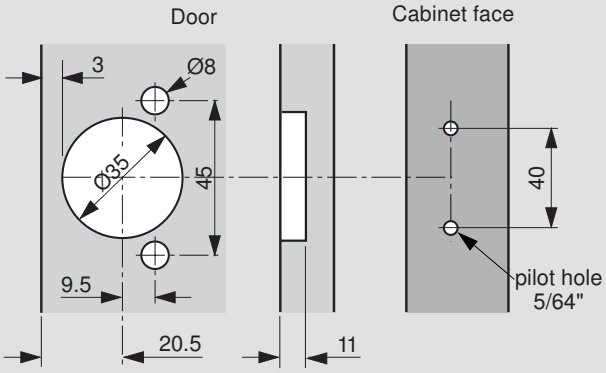
Features

- BLUMOTION soft close integrated into the hinge cup
- Deactivation switch for small/light doors
- Overload safety feature
- One-piece face mount hinge - 1-3/8" overlay or greater
- 7/16" cup depth
- Press-in hinges must be inserted with knock-in tool or COMPACT insertion ram

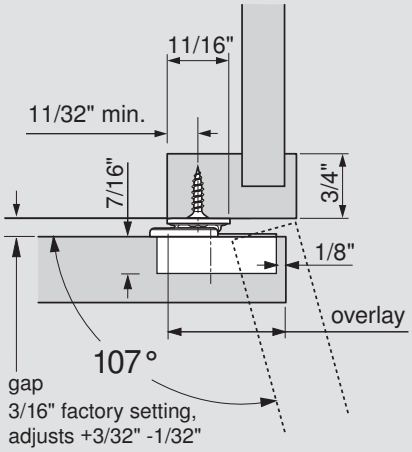
Minimum reveal



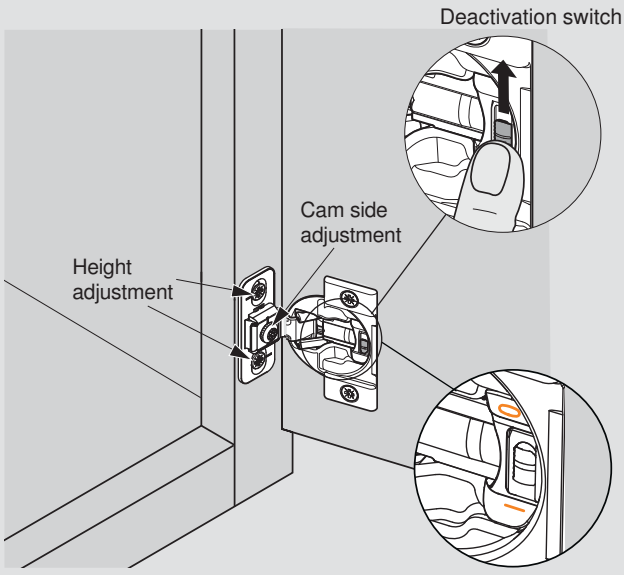
Boring pattern



Dimensions

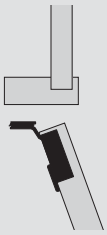


Adjustment



NOTE: COMPACT BLUMOTION comes in the activated position, marked with a “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
Hinge cup spacer	38C355B9

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Hinge arm cover caps

39C/38C cover cap

38N cover cap

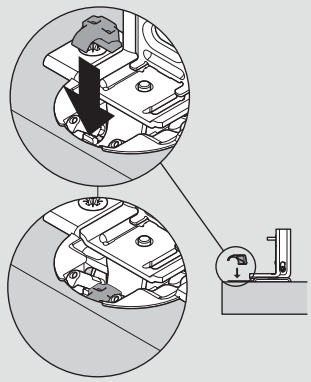
Available blank, embossed Blum logo or with printed custom logo (minimum order quantity applies)

Steel, nickel-plated cap.

39C/38C blank cover cap	38C3508
39C/38C embossed Blum logo cover cap	38C3508.BP
39C/38C Blum logo with black ink cover cap	38C3508.BL
38N blank cover cap	38N3508B
38N embossed Blum logo cover cap	38N3508BBP

Angle restriction clip

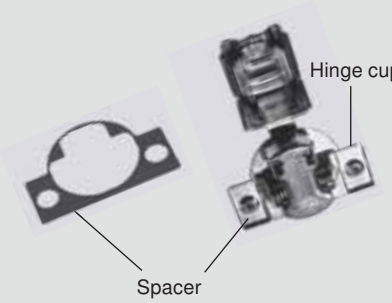
Restricts opening angle of the COMPACT BLUMOTION to 86°. Angle restriction clip must be inserted before the hinge has been attached.



	Part no.
Angle restriction clip	38C315B3

Hinge cup spacer

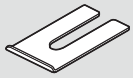
1/16" spacer for use under the hinge cup for thin or profile doors.

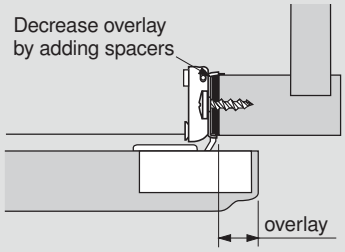


	Part no.
Hinge cup spacer	38C355B9

Distance spacer

This steel spacer decreases door overlay in 1/32" increments and can be stacked to achieve desired overlay reduction.

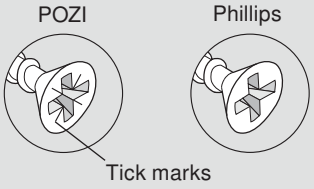




	Part no.
Distance spacer	36.3515

POZI DRIVER and bits

A POZI screwdriver (different from Phillips) is the most crucial tool you can use to assure that full torque is applied to all Blum mounting screws. POZI screws can be identified by the distinctive “tick” marks located in the center of the screw head recess.



	Part no.
#2 POZI DRIVER	POZI DRIVER
1/4" Magnetic bit holder	BIT HOLDER
#2 x 1" POZI bit insert	POZI BIT #2x1
#2 x 2" POZI bit insert	POZI BIT #2x2

Truss head screw

- For attaching hinge to face frame
- Type 17

	Part no.
#8 x 3/4", #2 Phillips	834TH

Flat head wood screw

- For attaching hinge to door
- For attaching 38B face mount hinge plates to frame

	Part no.
#6 x 5/8", #2 Phillips	606N
#6 x 5/8", #2 POZI	606P

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Knock-in tool

Can be used to insert all Blum press-in hinges

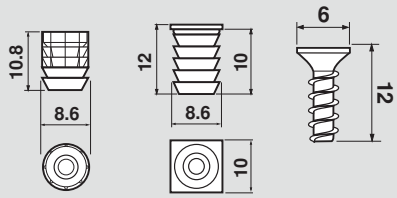
	Part no.
Knock-in tool	ZME.0710

COMPACT insertion ram

Can be used for inserting all Blum COMPACT press-in hinges

		Part no.
COMPACT insertion ram	47	MZM.0047

Ø8 mm dowels



	Part no.
Without flange	70.0532
With flange	34.3582.01
Installation screw	608.1200

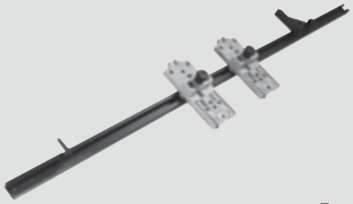
ECODRILL

Pre-bores doors for Blum hinges

	Part no.
ECODRILL	M31.1000

QUICKFIX

Locates and matches positions of hinges and plates on cabinets and doors



	Part no.
QUICKFIX	65.7500.02

Doweling fixture

A tool for attaching and removing dowels from hinges

	Part no.
Doweling fixture	69.3600

Machine drill bits

Ø5 mm Ø8 mm Ø10 mm Ø35 mm

	Part no.
Ø5 mm drill bit (RH)	M01.ZB05.D2 R
Ø5 mm drill bit (LH)	M01.ZB05.D3 L
Ø8 mm drill bit (LH)	M01.ZB08.03 L
Ø10 mm drill bit (RH)	M01.ZB10.02 R
Ø10 mm drill bit (LH)	M01.ZB10.03 L
Ø20 mm drill bit (RH)	M01.ZB20.02 R
Ø35 mm drill bit (RH)	M01.ZB35.02 R

Machine drill bits

VPB-5 Twist drill bit *Chuck for DB-2mm

*Use to pilot bore for screw-on hinges

	Part no.
VPB-5 centering bit	VPB-5
Ø2 mm left	DB-2mm
Ø2.5 mm right	DB-2.5mm
Ø5 mm right	DB-5mm
Ø8 mm right	DB-8mm
Ø10 mm right	DB-10mm
Ø10 mm chuck for DB-2mm*	DB-10 x 2mm

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Assembly aids

Machines

MINIPRESS P — Deluxe boring and insertion machine

- Front adjustable boring distance with digital counter
- Pneumatic hold-down clamps
- Boring depth adjustment
- Ruler stops (qty 4)
- Tool kit included
- Dust collection attachment
- Optional laser center line set
- Accepts new 8 or 9 spindle heads

	Part no.
Single phase — 220V power	M53.1053*US
Three-phase — 220V power	M53.1004*US

MINIPRESS M — 110V manual boring and insertion machine

- 110V power with molding plug (portable)
- Does not require pressurized air
- Ruler stops (qty 4)
- Tool kit included
- Dust collection attachment
- Accepts new 8 or 9 spindle heads

	Part no.
Single phase — 110V power	M52.1056*US

MINIDRILL P — Standard boring machine

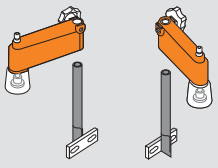
- Front adjustable boring distance
- Ruler stops (qty 4)
- Tool kit included
- Dust collection attachment
- Optional laser center line, digital counter and hold down clamps sets
- Accepts new 8 or 9 spindle heads

	Part no.
Single phase — 220V power	M53.1053*50

Optional items

	Part no.
Laser center line set	MZR.5300.US

	Part no.
Digital counter set	MZE.2110



	Part no.
Hold down clamp set	M53.0720.US

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Machine accessories

9 spindle head

- 9 spindle head for use with MINIPRESS/MINIDRILL
- Bores nine holes spaced 32 mm apart, parallel to the fence
- New feature — quick-disconnect chucks
- Once aligned, does not require additional adjustment
- Bores cabinet side panel for 32 mm system boring for Blum mounting plates and runners
- Requires retrofit set for use with machines produced in 2009 or prior

Includes:

- Ø3 mm allen wrench
- Distance spacer
- Drive pin
- Air hose

	Part no.
9 spindle head	MZK.190S
Chuck cover cap	M30.1329

8 spindle head

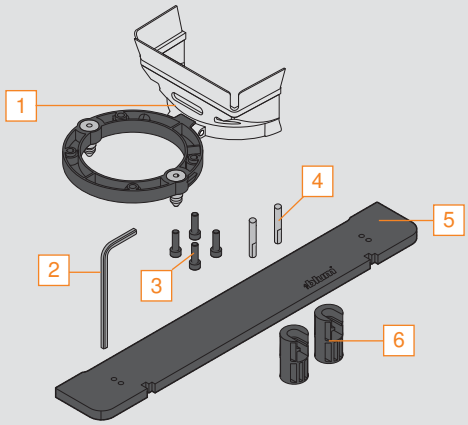
- 8 spindle head for use with MINIPRESS/MINIDRILL
- Bores eight holes spaced 32 mm apart, perpendicular to the fence
- New feature — quick-disconnect chucks
- Once aligned, does not require additional adjustment
- Bores all METABOX, TANDEMBOX and TANDEMBOX intivo front fixing brackets and galleries
- Bores cabinet side panels for all Blum runner systems
- Requires retrofit set for use with machines produced in 2009 or prior

Includes:

- Ø3 mm allen wrench
- Distance spacer
- Drive pin
- Air hose

	Part no.
8 spindle head	MZK.880S
Chuck cover cap	M30.1329

Spindle head retrofit set



- Required for attachment of 9 and 8 spindle heads to MINIPRESS/MINIDRILL produced in 2009 and prior
- Previous boring heads MZK.1000.US and MZK.8000.US cannot be used with the retrofit set

Set includes:

1. Adapter ring and shield
2. Ø5 mm allen wrench
3. Mounting bolts (qty 4)
4. Alignment pins (qty 2)
5. Alignment template
6. 13 mm fixed depth stop (qty 2)

	Part no.
Spindle head retrofit set	M30.1313.UM

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Conversion chart

mm	inch	
1	1/32	.031
1.5	1/16	.063
2	3/32	.094
3	1/8	.125
4	5/32	.156
5	3/16	.188
5.5	7/32	.219
6	1/4	.25
7	9/32	.281
8	5/16	.313
9	11/32	.344
9.5	3/8	.375
10	13/32	.406
11	7/16	.438
12	15/32	.469
13	1/2	.5
13.5	17/32	.531
14	9/16	.563
15	19/32	.594
16	5/8	.625
17	21/32	.656
17.5	11/16	.688
18	23/32	.719
19	3/4	.75
20	25/32	.781
20.5	13/16	.813
21	27/32	.844
22	7/8	.875
23	29/32	.906
24	15/16	.938
24.5	31/32	.969
25.4	1	1

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Why choose Blum

Blum, Inc. is a leading manufacturer of functional hardware for the kitchen cabinet and commercial casework industries specializing in lift systems, concealed hinges and drawer runner systems. Virtually all of the hardware needed to assemble and make cabinets functional is available within the wide range of quality Blum products. Blum supports the U.S. market with a network of more than 150 dependable distributors, 40+ knowledgeable Blum sales representatives and an experienced customer service department.

Commitment to manufacturing in the U.S.

Blum manufactures many of its products in our 450,000 sq ft manufacturing, logistics and warehouse facility located in Stanley, North Carolina. Manufacturing closer to the customer allows Blum to react quickly to changing customer needs including unexpected surges in demand. Customer pickups and deliveries can be timed to better match their production schedules. Blum is committed to manufacturing in the U.S. for the U.S. market.

Product development at Blum considers all of the various customers who will come in contact with our products. With this “Global Customer Benefits” philosophy we strive to create advantages for all users.

ISO 9001
Certified Quality System

Blum, Inc. is ISO 9001 certified which means that you are assured of consistent quality in every Blum product. What’s more they exceed the requirements of ANSI/BHMA standards for cycle life, static load and self-closing performance.

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Blum, Inc.
7733 Old Plank Rd.
Stanley, NC 28164
800-438-6788
blum.com

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