

BLUMOTION for doors

Quiet closing for Blum concealed hinges



BLUMOTION redefines the phrase "quality of motion"





Innovative solutions for every application

BLUMOTION for doors can be quickly integrated into cabinets. It will work for almost any application and does not require any change to the hinge assembly.

BLUMOTION redefines the phrase "quality of motion". The system is quick and easy to install and once installed, creates a quiet closing motion.



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An innovation that inspires









BLUMOTION 973A can be installed at any point during the production and sales process. This means that everyone – from manufacturer to dealer and retailer all the way to the end customer – can make the decision at any time whether or not they want to profit from the added value of the new BLUMOTION technology.

Ideally, doors should be equipped with BLUMOTION during the manufacturing process. In one simple work step the mechanism is attached onto the CLIP top or CLIP hinge. Hinge and plate boring depths and positions remain unchanged, therefore there are no additional set-up costs.



BLUMOTION, combined with Blum's well established quality, gives the consumer new benefits and peace of mind. Each time a door is closed they will be reminded of the exceptional quality of their cabinets.



Adapting to change

Quiet closing – every time

A look behind the scenes at the BLUMOTION adaptive system.

The braking system expands according to the force, regulating the travel speed of the mechanism. This technology enables BLUMOTION to adjust itself automatically to each door size, weight and closing speed.

- Quiet closing motion every time due to adaptability
- The integrated overload safety feature protects the BLUMOTION system from damage through abuse
- BLUMOTION lasts the lifetime of the cabinet ensuring that your customers remain satisfied



How the adaptive system works

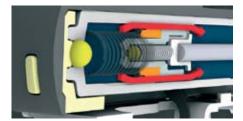




Slow closing speed

The braking system expands slightly, generating only modest resistance to the flow. The BLUMOTION effect is controlled via the flow speed and in this case remains low.

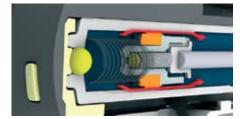




Fast closing speed

The braking system expands, which constricts the flow channel, to create greater resistance. This results in a strong BLUMOTION effect.

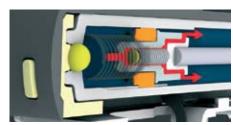




Closing speed that is too fast

The overload safety feature kicks in. The excessive force is diverted using an additional flow channel and both BLUMOTION and the hinge are protected from damage.







BLUMOTION 973A for Euro hinges

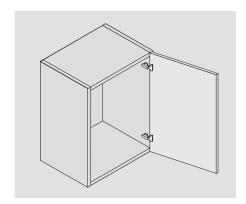
Product



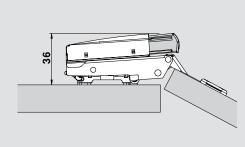
Description

- Quiet closing feature for CLIP top and CLIP hinges
- Offers the same quality of motion as drawer systems with BLUMOTION
- Automatically adjusts to the closing force of the door
- Simple attachment to the hinge arm
- Nickel plated steel and nylon gray components
- Designed for use with Blum Euro hinges only

Application







- CLIP top 107°
- CLIP top 120°
- CLIP top 120°₊
- CLIP top 95° thick door
- CLIP top 110° special application
- CLIP top 120° aluminum door
- CLIP 100°
- CLIP 107°

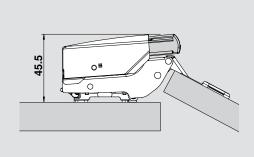
Part no.

Straight-arm

973A0500.01

For hinges with a half-cranked arm





- CLIP top 107°
- CLIP top 120°
- CLIP top 95° thick door
- CLIP top 120° aluminum door
- CLIP 100°
- CLIP 107°

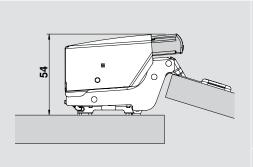
Part no.

Half-cranked arm

973A0600

For hinges with a full-cranked arm





- CLIP top 107°
- CLIP top 95° thick door
- CLIP 100°

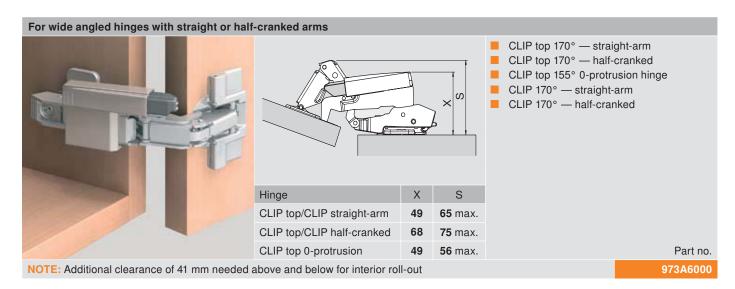
Part no.

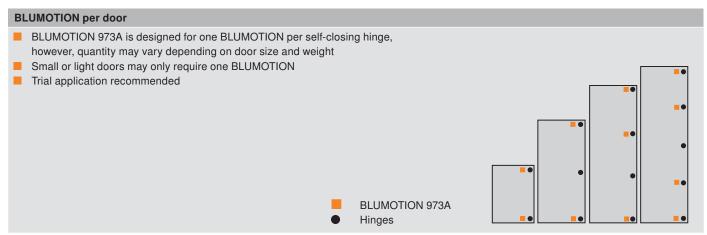
Full-cranked arm

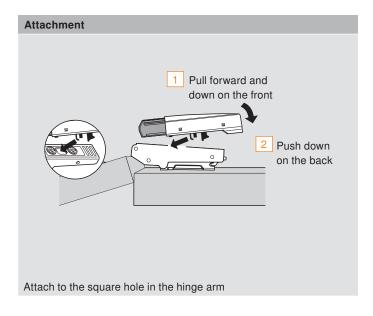
973A0700

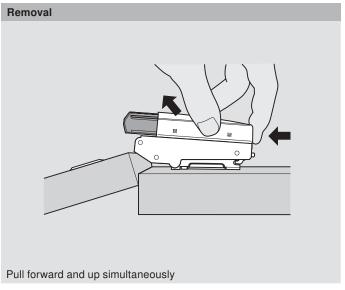


Specifications











BLUMOTION 973A for angled hinges

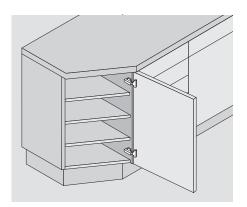
Product

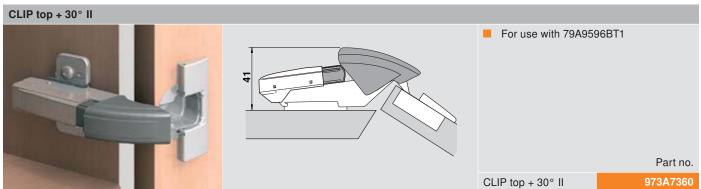


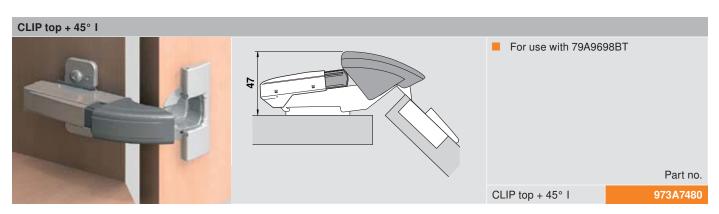
Description

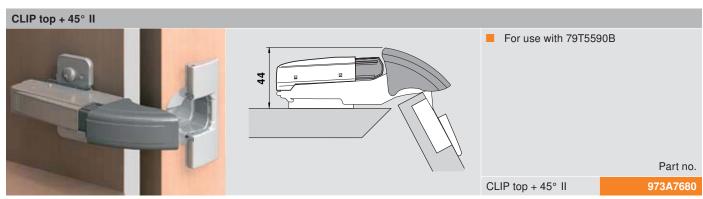
- Quiet closing feature for select CLIP top angled hinges
- Offers the same quality of motion as drawer systems with BLUMOTION
- Automatically adjusts to the closing force of the door
- Simple attachment to Blum hinges
- Nickel plated steel and gray nylon components

Application







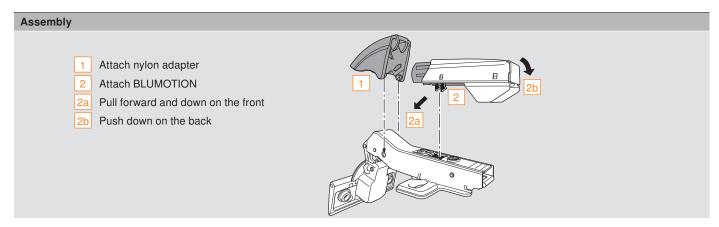


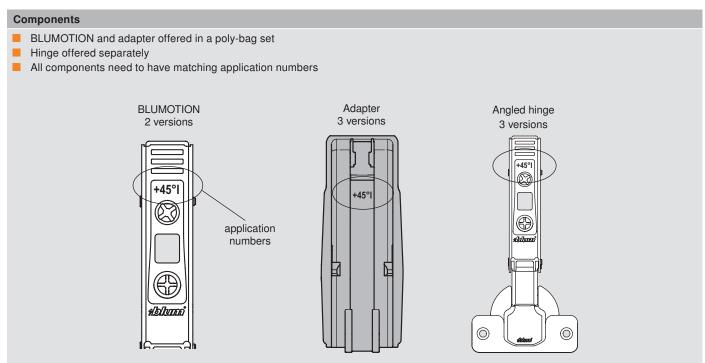


Specifications

BLUMOTION per door BLUMOTION 973A is designed for one BLUMOTION per self-closing hinge, however, quantity may vary depending on door size and weight Small or light doors may only require one BLUMOTION Trial application recommended BLUMOTION 973A

Hinges





BLUMOTION 971A for Euro hinges

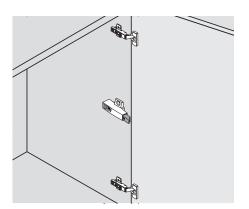
Product

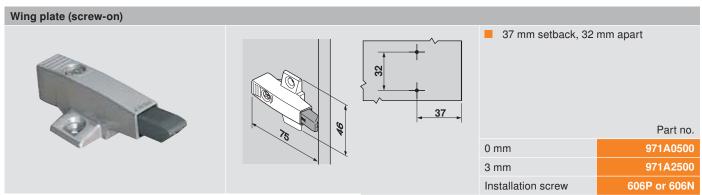


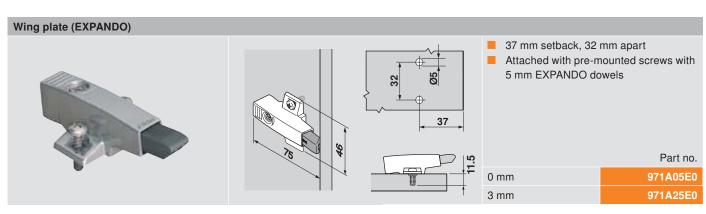
Description

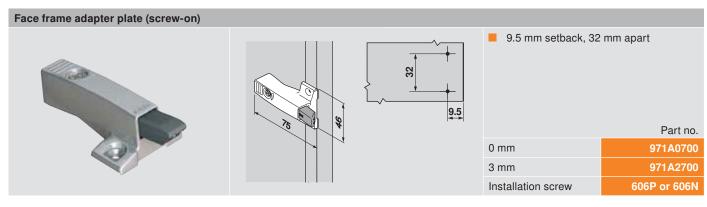
- Quiet closing feature for CLIP top and CLIP straight-arm hinges
- Offers the same quality of motion as drawer systems with BLUMOTION
- Adjustable to various door sizes and weights (+3/-7 mm range)
- Installed onto hinge-side panel
- Nickel plated zinc die-cast construction
- For use with straight-arm hinge and either 0 mm or 3 mm mounting plate only

Application

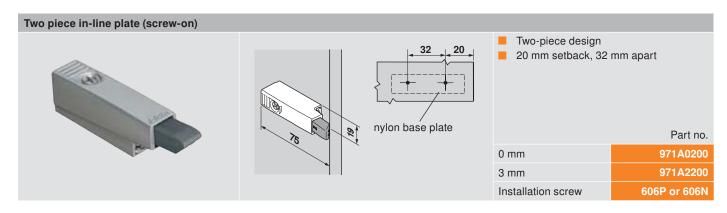


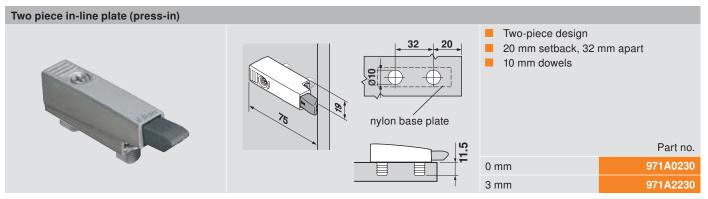










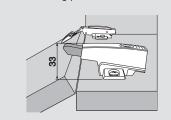


Specifications



3 mm BLUMOTION application

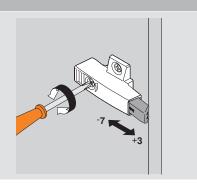
For all hinges with a straight-arm and a 3 mm mounting plate.



NOTE: 95° thick door straight-arm hinge requires 3 mm BLUMOTION

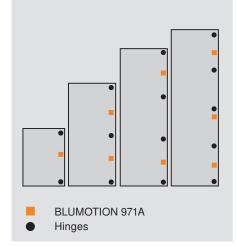
Adjustment

Use a Phillips or POZI screwdriver to adjust the contact point in or out (+3/-7 mm). Adjust out for larger, heavier doors or adjust in for smaller, lighter doors.



BLUMOTION per door

- For optimum BLUMOTION effect,
 BLUMOTION 971A should be installed
 onto the hinge side panel centered
 between the two hinges
- Tall or heavy doors may require an additional BLUMOTION 971A between the hinges
- Trial application recommended





BLUMOTION 971A for COMPACT hinges

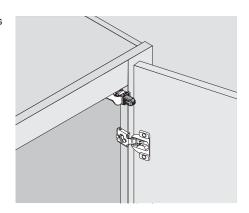
Product



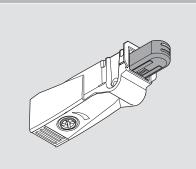
Description

- Quiet closing feature for COMPACT hinges
- Offers the same quality of motion as drawer systems with BLUMOTION
- Adjustable to various door sizes and weights (+5/-5 mm range)
- Installed anywhere onto the hinge-side stile of the cabinet
- Nickel plated zinc die-cast construction
- Designed for use with Blum COMPACT hinges only

Application







Full overlay — 1" or greater overlay

Part no.

BLUMOTION 971A9700

Installation screw (1-14") 8114Z



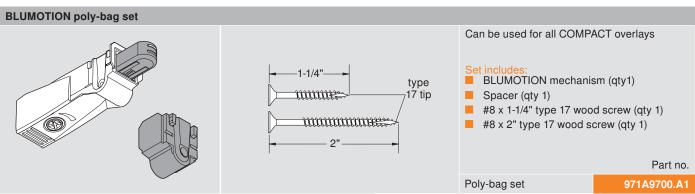


Partial overlay — less than 1" overlay

Part no.

Spacer 971A9709

Installation screw (2") 8200Z

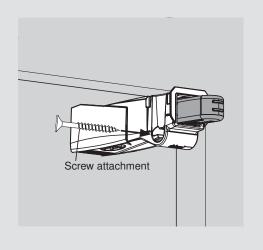




Specifications

Mounting

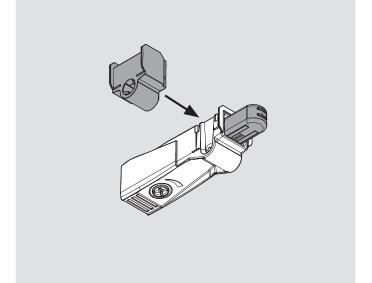
BLUMOTION for doors mounts anywhere on the hinge-side stile of the cabinet using a 1-1/4" screw or 2" screw when using spacer.



NOTE: BLUMOTION should not contact the hinge cup

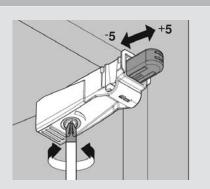
Attachment of partial overlay spacer

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



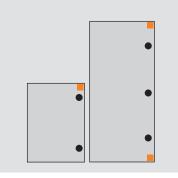
Adjustment

Use a Phillips or POZI screwdriver to adjust the contact point in or out (+5/-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 971A

BLUMOTION 970A for Euro hinges

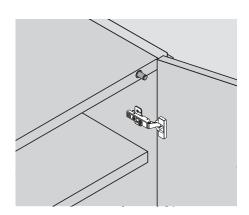
Product



Description

- Quiet closing feature for CLIP top and CLIP hinges
- Offers the same quality of motion as drawer systems with BLUMOTION
- Automatically adjusts to the closing force of the door
- Installed into the top and/or bottom panel or with adapter plates on hinge-side

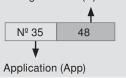
Application



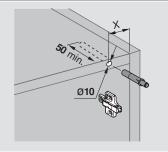
BLUMOTION 970A requirements

The table on page 17 provides the corresponding boring distance for each application.

Boring distance (X) in mm



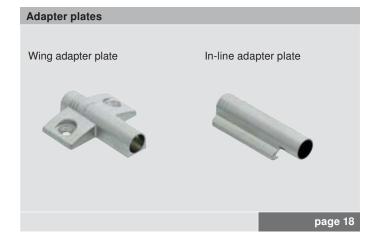
Refer to the special application section of the concealed hinge catalog



BLUMOTION



970A1002



BLUMOTION per door

- BLUMOTION 970A is designed for two BLUMOTION per door, however, one may be enough depending on door size and
- Small or light doors may only require one BLUMOTION
- Trial application recommended

BLUMOTION 970A Hinges



BLUMOTION adapter plates 970.xxxx are required for the following applications

Inset application



Inset angled application



Mitered angled application



Applications



Standard application

	/ 4	e rlay ng distance	Twin bori	n ng distance	Inse bori	et ng distance	/ 5	et with straight-arm ng distance
Mounting plate height	0 mm	32	0 mm	41	0 mm	50	18 mm	50
	3 mm	35	3 mm	44	3 mm	53		
	6 mm	38	6 mm	47				
	9 mm	41	9 mm	50				

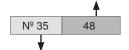
Blind corner applications

	Inse bori	et blind ng distance	D b	verlay blind oring distance
			0 mm	32
Mounting plate height	3 mm	51	3 mm	35
plate neight			6 mm	38

Angled applications

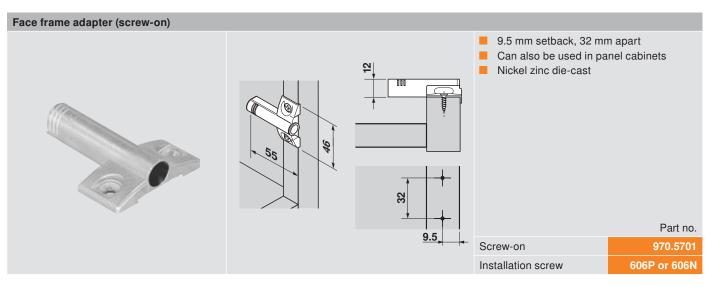
	Inse	e t ng dist.		ner merge ng dist.		tial overlay mm		c. overlay) / N	ered corner
5°	Nº 27	48	Nº 19	48	Nº 10	33	Nº 1	33	Nº 36	45
10°	Nº 28	48	Nº 20	48	Nº 11	33	Nº 2	33	Nº 37	45
15°	Nº 29	48	Nº 21	48	Nº 12	33	Nº 3	33	Nº 38	45
20°	Nº 30	48	Nº 22	48	Nº 13	37	Nº 4	33	Nº 39	45
25°	Nº 31	48	Nº 23	48	Nº 14	37	Nº 5	33	Nº 40	45
30°	Nº 32	48	Nº 24	48	Nº 15	41	Nº 6	33	Nº 41	45
35°	Nº 33	48	Nº 25	48	Nº 16	41	№ 7	33		
40°	Nº 34	48			Nº 17	41	№ 8	33		
45°	Nº 35	48	Nº 26	48	Nº 18	41	Nº 9	33		
-5°	Nº 51	48					Nº 42	37		
-10°	Nº 52	54					Nº 43	33		
-15°	Nº 53	54					Nº 44	33		
-20°	Nº 54	54					Nº 45	37		
-25°	Nº 55	54					Nº 46	33		
-30°							Nº 47	33		
-35°							Nº 48	37		
-40°							Nº 49	37		
-45°							№ 50	37		

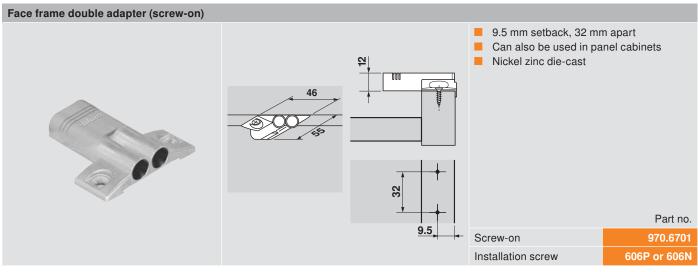
Boring distance (X) in mm

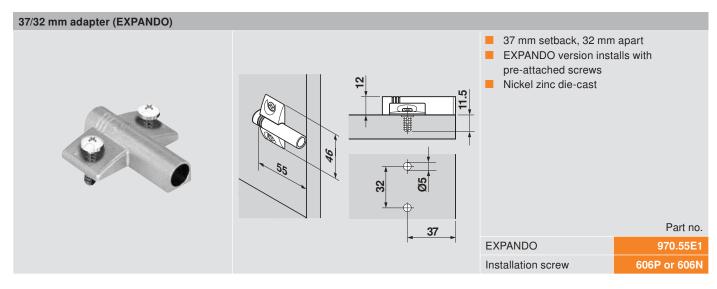


Application (App)

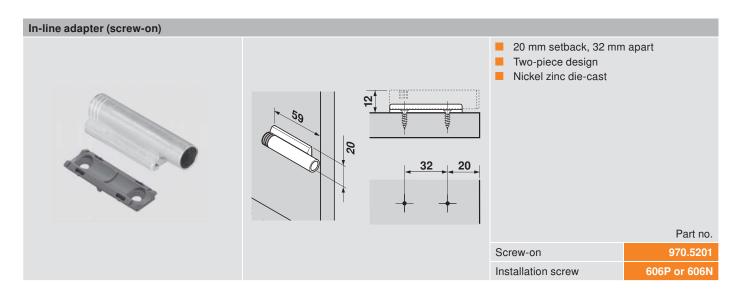
Adapter plates for BLUMOTION 970A

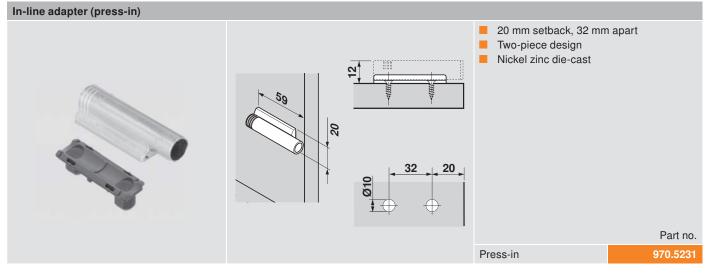








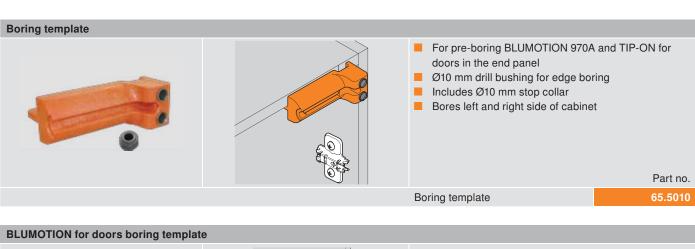


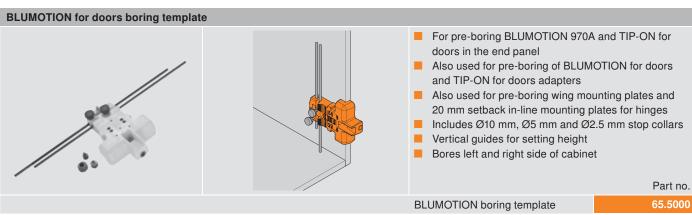


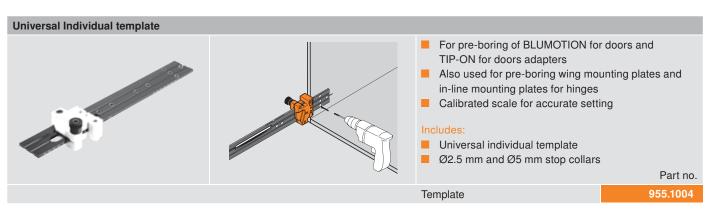
BLUMOTION for doors application options		100°	107°	120°	120°+	170°	110°
		Standard hinge	Standard hinge	Standard hinge	Standard hinge	Standard hinge	Special hinge
Overlay		Straight-arm hinge, 0 plate					
		973A0500.01	973A0500.01	973A0500.01	973A0500.01	973A6000	973A0500.01
	-						
		971Axxxx	971Axxxx	971Axxxx	971Axxxx	971Axxxx	971Axxxx
Tuis		970A1002	970A1002	970A1002 Straight-arm	970A1002	970A1002 Straight-arm	970A1002 Straight-arm
Twin		Straight-arm hinge, 9 plate	Straight-arm hinge, 9 plate	hinge, 9 plate	Straight-arm hinge, 9 plate	hinge, 9 plate	hinge, 9 plate
		973A0500.01 Half-cranked	973A0500.01 Half-cranked	973A0500.01 Half-cranked	973A0500.01	973A6000 Half-cranked	973A0500.01
		hinge, 0 plate	hinge, 0 plate	hinge, 0 plate		hinge, 0 plate	
		973A0600	973A0600	973A0600	-	973A6000	-
	1						
Inset		970A1002 Straight-arm	970A1002 Straight-arm	970A1002 Straight-arm	970A1002 Straight-arm	970A1002 Straight-arm	970A1002 Straight-arm
IIISEL		hinge, 18 plate					
		973A0500.01	973A0500.01	973A0500.01	973A0500.01	973A6000	973A0500.01
		Half-cranked hinge, 9 plate	Half-cranked hinge, 9 plate	Half-cranked hinge, 9 plate		Half-cranked hinge, 9 plate	
		973A0600	973A0600	973A0600	_	973A6000	_
		Full-cranked hinge, 0 plate	Full-cranked hinge, 0 plate				
		973A0700	973A0700	_	_	_	_
	-						
		970A1002	970A1002	970A1002	970A1002	970A1002	970A1002
rec	commended	possible					

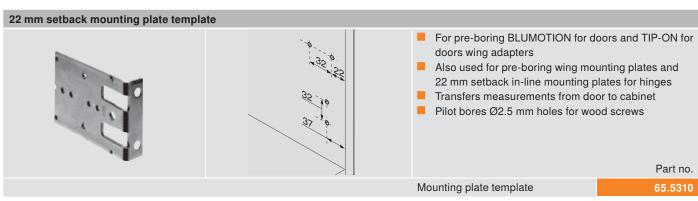
155°	95°	120°	94°	94°	95°	110°	95°
0-protrusion hinge	Thick door hinge	Alu frame hinge	Glass door hinge	Mini hinge	Blind corner hinge - overlay and inset	Angled hinges: +30 II, +45 I, +45 II	Angled hinges: remaining types
Straight-arm hinge, 0 plate	Straight-arm hinge, 0 plate	Straight-arm hinge, 0 plate					
973A6000	973A0500.01	973A0500.01	-	-	-	973Axxxx	-
971Axxxx	971A2xx0	_	971Axxxx	971Axxxx	_	_	-
970A1002 Straight-arm	970A1002 Straight-arm	970A1002	970A1002	970A1002	970A1002	970A1002	970A1002
hinge, 9 plate	hinge, 9 plate						
973A6000	973A0500.01	_	-	_	-	-	-
	Half-cranked hinge, 0 plate						
_	973A0600	_	_	_	_	_	_
970A1002		970A1002	970A1002	970A1002	970A1002	970A1002	970A1002
Straight-arm hinge, 18 plate	Straight-arm hinge, 18 plate	Straight-arm hinge, 18 plate					
973A6000	973A0500.01	973A0500.01	-	_	_	-	_
	Half-cranked hinge, 9 plate	Half-cranked hinge, 9 plate					
_	973A0600	973A0600	_	_	_	_	_
	Full-cranked hinge, 0 plate						
_	973A0700	_	-	-	_	_	_
970A1002	970A1002	970A1002	970A1002	970A1002	970A1002	970A1002	970A1002

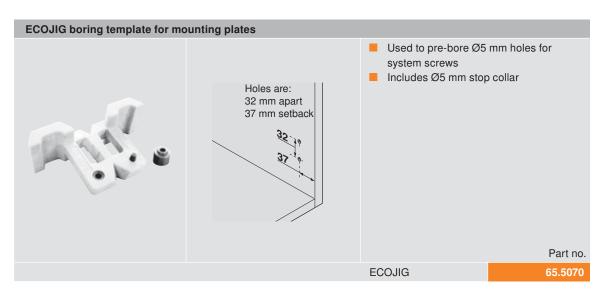
Accessories

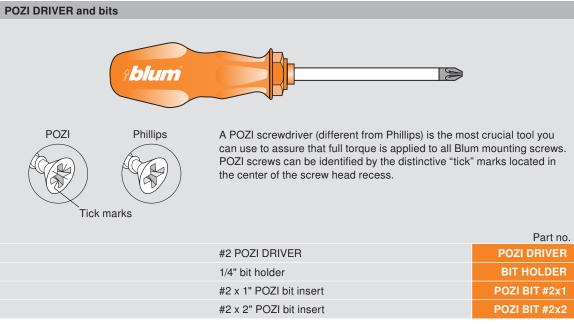












RH twist drill bit	
7.47	
	Part no.
Ø2.5 mm	DB-2.5mm
Ø5 mm	DB-5mm
Ø10 mm	DB-10mm
210 11111	DD-10IIIII

	POZI BIT #2x1				
	POZI BIT #2x2				
Deep thread wood screws					
#6 x 5/8", #2 Phillips	Part no.				
#6 x 5/8", #2 POZI	606P				
#8 x 1-1/4" type 17	8114Z				
#8 x 2" type 17	8200Z				

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

Drill bits

Blum, Inc. 7733 Old Plank Ro Stanley, NC 28164 800-438-6788 704-827-1345 fax 704-827-0799 www.blum.com



