

TIOMOS 110/90A

110° blind corner hinge (overlay)



- Hinge for overlay blind corner constructions
- 110° opening angle
- Convenient depth adjustment via worm gear
- 3-dimensional adjustment with appropriate mounting plate
- Minimum reveals

Available in 2 versions:

- With integrated damper (3 adjustable damping levels)
- Without integrated damper

ORDER INFORMATION FOR DRILLING PATTERN 45/9.5

Door overlay		Damper		without spring	Item No.		
		with	without		Click-on For screw fixing	Click-on For press fitting	Impresso without tools ²
Overlay ¹		■	-	-	F028 138535	F028 138545	F017 139341
		-	■	-	F045 138473	F028 138483	F034 139312

¹ Cup material: steel, nickel-plated / Arm material: Zamak, nickel-plated

² Available on request

COVER CAPS

	Designation	Cranking	Imprinted/Embossed	Item No.
	Hinge arm cover cap, steel, nickel-plated, not imprinted	0/3/9.5/19	On request	F072 135500
	Hinge arm cover cap, steel, long, nickel-plated, not imprinted	0/3	On request	F072 135504
	Hinge cup cover cap, steel, nickel-plated, not imprinted	0/3/9.5/19	-	F072 135503

ACCESSORIES

	Designation	Item No.		Designation	Item No.
	Tipmatic Pin for wooden and aluminium frame doors	F069068873			
	Countersunk wood screw Ø 3.5 x 15 mm	F146073976			

Tiomos mounting plates	160
Accessories	168

Technical information	362
Assembly aids	808

INSTALLATION INFORMATION

All dimensions in millimetres

Inset

Mounting plate height 0

Cross mounting plates with fixing distance 37

Drilling distance (X)	Cup distance				
	3	4	5	6	7
30.0	18	19	20	21	22
29.0	17	18	19	20	21
28.0	16	17	18	19	20
28.0	15	16	17	18	19
28.0	14	15	16	17	18

Door reveal

Linear mounting plates

Drilling distance (X)	Cup distance				
	3	4	5	6	7
13.0	18	19	20	21	22
12.0	17	18	19	20	21
11.0	16	17	18	19	20
10.0	15	16	17	18	19
9.0	14	15	16	17	18

Door reveal

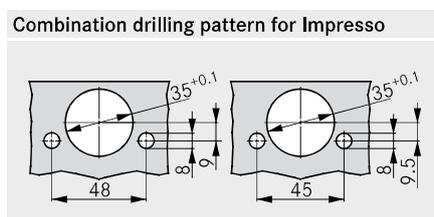
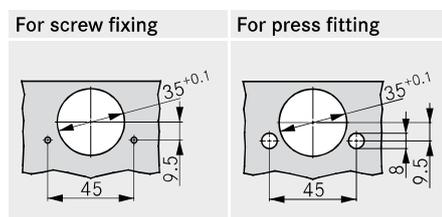
MINIMUM REVEAL

	Cup distance					
	3	4	5	6	7	
Door thickness 24.0	1.0	1.0	1.0	1.2	2.1	
22.0	1.0	1.0	1.0	1.0	1.5	
21.0	1.0	1.0	1.0	1.0	1.2	
20.0	1.0	1.0	1.0	1.0	1.0	
19.0	1.0	1.0	1.0	1.0	1.0	
18.0	1.0	1.0	1.0	1.0	1.0	
17.0	1.0	1.0	1.0	1.0	1.0	
16.0	1.0	1.0	1.0	1.0	1.0	
Minimum gap						

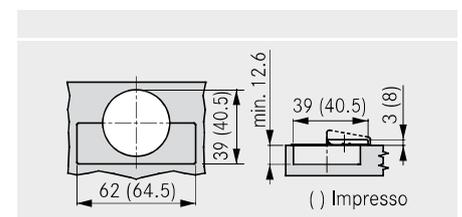
NOTES

The minimum gap is the clearance required between the front edge of the cabinet and the closed door so that the door can open without hindrance.

DRILLING PATTERNS 45/9.5



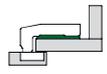
CUP DIMENSIONS



TIOMOS 110/90A

110° blind corner hinge (overlay)

ORDER INFORMATION FOR DRILLING PATTERN 48/9

Door overlay		Damper			Item No.		
		with	without	without spring	Click-on For screw fixing	Click-on For press fitting	Impresso without tools
Overlay ¹		■	-	-	F028 138 109	F028 138 119	F017 139 341
		-	■	-	F045 138 016	F045 138 026	F034 139 312

¹ Cup material: steel, nickel-plated / Arm material: Zamak, nickel-plated

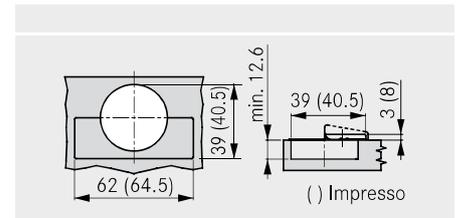
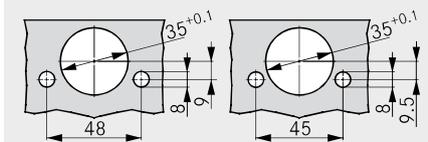
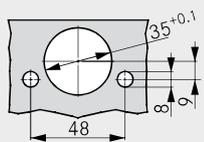
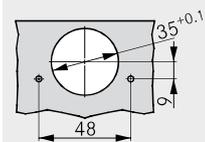
DRILLING PATTERNS 48/9

CUP DIMENSIONS

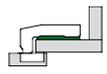
For screw fixing

For press fitting

Combination drilling pattern for Impresso



ORDER INFORMATION FOR DRILLING PATTERN 42/11

Door overlay		Damper			Item No.		
		with	without	without spring	Click-on For screw fixing	Click-on For press fitting	Impresso without tools
Overlay ¹		■	-	-	F028 138 353	F028 138 363	F017 139 426
		-	■	-	F045 138 291	F045 138 301	F034 139 397

¹ Cup material: steel, nickel-plated / Arm material: Zamak, nickel-plated

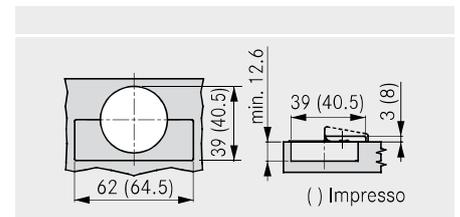
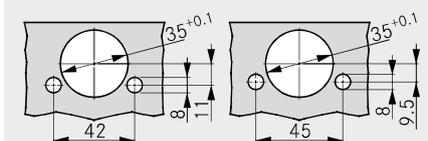
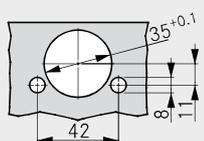
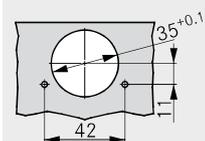
DRILLING PATTERNS 42/11

CUP DIMENSIONS

For screw fixing

For press fitting

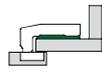
Combination drilling pattern for Impresso



Tiomos mounting plates	160
Accessories	168

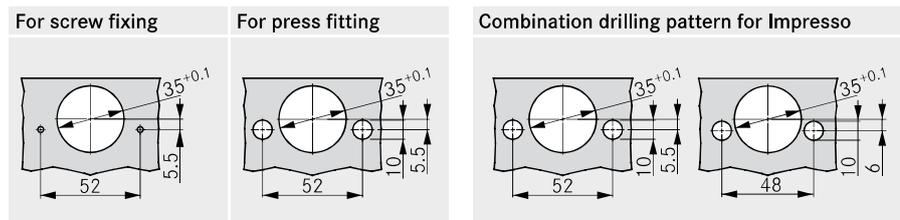
Technical information	362
Assembly aids	808

ORDER INFORMATION FOR DRILLING PATTERN 52/5.5

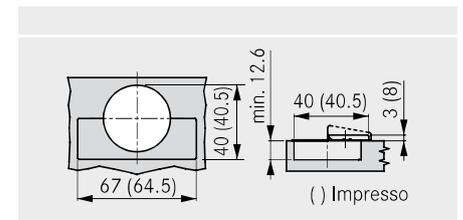
Door overlay		Damper			Item No.		
		with	without	without spring	Click-on For screw fixing	Click-on For press fitting	Impresso without tools
Overlay ¹		■	-	-	F028 138717	F028 138727	F017 139511
		-	■	-	F045 138655	F045 138665	F034 139482

¹ Cup material: steel, nickel-plated / Arm material: Zamak, nickel-plated

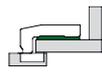
DRILLING PATTERNS 52/5.5



CUP DIMENSIONS

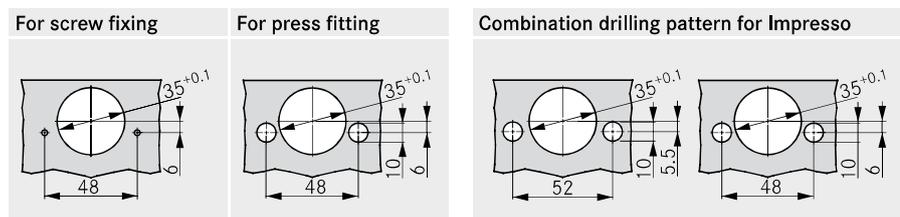


ORDER INFORMATION FOR DRILLING PATTERN 48/6

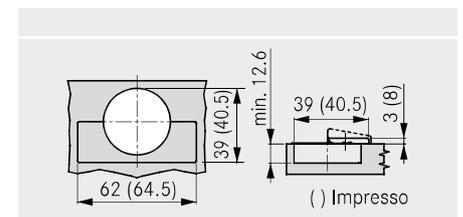
Door overlay		Damper			Item No.		
		with	without	without spring	Click-on For screw fixing	Click-on For press fitting	Impresso without tools
Overlay ¹		■	-	-	F028 138899	F028 138909	F017 139511
		-	■	-	F045 138837	F045 138847	F034 139482

¹ Cup material: steel, nickel-plated / Arm material: Zamak, nickel-plated

DRILLING PATTERNS 48/6



CUP DIMENSIONS



Tiomos mounting plates	160
Accessories	168

Technical information	362
Assembly aids	808

TIOMOS 110/90E

110° blind corner hinge (inset)



- Hinge for blind corner constructions
- 110° opening angle
- Convenient depth adjustment via worm gear
- 3-dimensional adjustment with appropriate mounting plate
- Minimum reveals

Available in 3 versions:

- With integrated damper (3 adjustable damping levels)
- Without integrated damper
- Without self-closing mechanism (without spring)

ORDER INFORMATION FOR DRILLING PATTERN 45/9.5

Door overlay		Damper		without spring	Item No.		
		with	without		Click-on For screw fixing	Click-on For press fitting	Impresso without tools
Inset ¹		■	-	-	F028138536	F028138546	F017139342
		-	■	-	F045138474	F045138484	F034139313
		-	■	■	F046138596	-	-

¹ Cup material: steel, nickel-plated / Arm material: Zamak, nickel-plated

COVER CAPS

	Designation	Cranking	Imprinted/Embossed	Item No.
	Hinge arm cover cap, steel, nickel-plated, not imprinted	0/3/9.5/19	On request	F072135500
	Hinge arm cover cap, steel, long, nickel-plated, not imprinted	0/3	On request	F072135504
	Hinge cup cover cap, steel, nickel-plated, not imprinted	0/3/9.5/19	-	F072135503

ACCESSORIES

	Designation	Item No.		Designation	Item No.
	Tipmatic Pin for wooden and aluminium frame doors	F069068873			
	Countersunk wood screw Ø 3.5 x 15 mm	F146073976			

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Accessories	168

Tipmatic	362
Technical information	170

Assembly aids	808
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INSTALLATION INFORMATION

All dimensions in millimetres

Inset

Cross mounting plates with fixing distance 37

Linear mounting plates

Drilling distance (X)	Cup distance				
	4	5	6	7	
28.0	1	0			
27.0	2	1	0		
26.0	3	2	1	0	
	Door reveal				

Mounting plate height 3

Drilling distance (X)	Cup distance				
	4	5	6	7	
11.0	1	0			
10.0	2	1	0		
9.0	3	2	1	0	
	Door reveal				

MINIMUM REVEAL

Door thickness	Cup distance				
	3	4	5	6	7
24.0	2.4	2.1	2.1	2.1	2.0
22.0	1.6	1.6	1.6	1.5	1.5
21.0	1.4	1.3	1.3	1.3	1.3
20.0	1.1	1.1	1.1	1.1	1.1
19.0	0.9	0.9	0.9	0.9	0.9
18.0	0.7	0.7	0.7	0.7	0.7
17.0	0.6	0.6	0.6	0.6	0.6
16.0	0.6	0.6	0.6	0.6	0.6
	Minimum reveal (F)				

NOTES

Minimum reveal for doors with bevelled edges (R = 1 mm) (factory setting).

Use standard mounting plate height 3 to ensure that door is flush fitting.

DRILLING PATTERNS 45/9.5

For screw fixing

For press fitting

Combination drilling pattern for Impresso

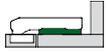
CUP DIMENSIONS

() Impresso

TIOMOS 110/90E

110° blind corner hinge (inset)

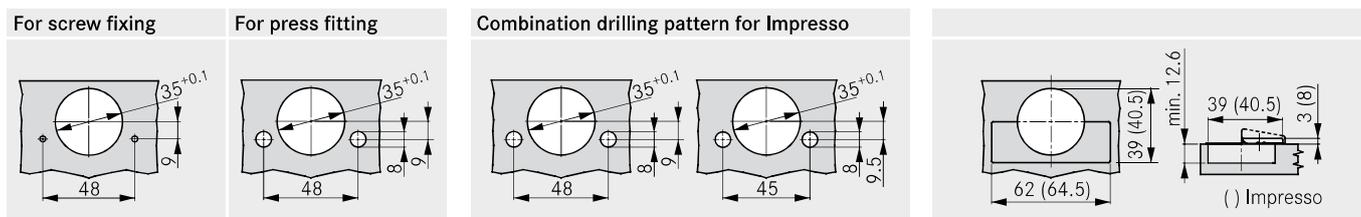
ORDER INFORMATION FOR DRILLING PATTERN 48/9

Door overlay		Damper			Item No.		
		with	without	without spring	Click-on For screw fixing	Click-on For press fitting	Impresso without tools
Inset ¹		■	-	-	F028 138110	F028 138120	F017 139342
		-	■	-	F045 138017	F045 138027	F034 139313
		-	■	■	F046 138201	-	-

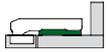
¹ Cup material: steel, nickel-plated / Arm material: Zamak, nickel-plated

DRILLING PATTERNS 48/9

CUP DIMENSIONS



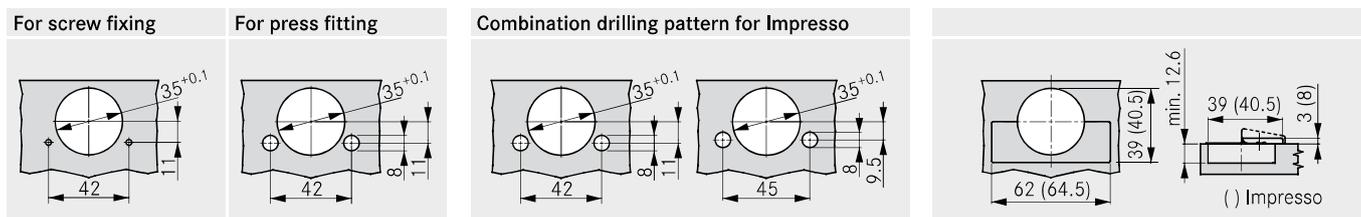
ORDER INFORMATION FOR DRILLING PATTERN 42/11

Door overlay		Damper			Item No.		
		with	without	without spring	Click-on For screw fixing	Click-on For press fitting	Impresso without tools
Inset ¹		■	-	-	F028 138354	F028 138364	F017 139427
		-	■	-	F045 138292	F045 138302	F034 139398
		-	■	■	F046 138414	-	-

¹ Cup material: steel, nickel-plated / Arm material: Zamak, nickel-plated

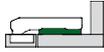
DRILLING PATTERNS 42/11

CUP DIMENSIONS



Tiomos mounting plates	160	Tipmatic	362	Assembly aids	808
Accessories	168	Technical information	170		

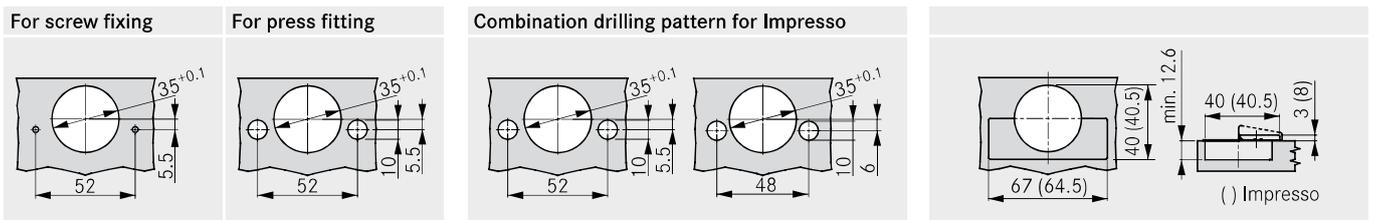
ORDER INFORMATION FOR DRILLING PATTERN 52/5.5

Door overlay		Damper			Item No.		
		with	without	without spring	Click-on For screw fixing	Click-on For press fitting	Impresso without tools
Inset ¹		■	-	-	F028 138718	F028 138728	F017 139512
		-	■	-	F045 138656	F045 138666	F034 139483
		-	■	■	F046 138778	-	-

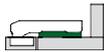
¹ Cup material: steel, nickel-plated / Arm material: Zamak, nickel-plated

DRILLING PATTERNS 52/5.5

CUP DIMENSIONS



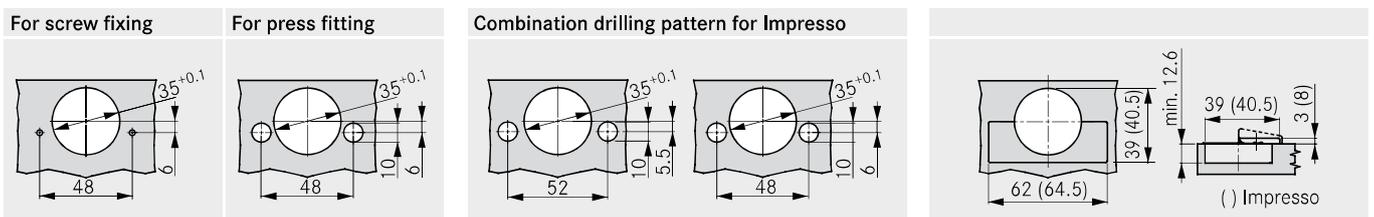
ORDER INFORMATION FOR DRILLING PATTERN 48/6

Door overlay		Damper			Item No.		
		with	without	without spring	Click-on For screw fixing	Click-on For press fitting	Impresso without tools
Inset ¹		■	-	-	F028 138900	F028 138910	F017 139512
		-	■	-	F045 138838	F045 138848	F034 139483
		-	■	■	F046 138960	-	-

¹ Cup material: steel, nickel-plated / Arm material: Zamak, nickel-plated

DRILLING PATTERNS 48/6

CUP DIMENSIONS



Tiomos mounting plates	160	Tipmatic	362	Assembly aids	808
Accessories	168	Technical information	170		