

# 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	Art.-no.		
		with	without		Click-on For screw fixing	Click-on For press fitting	Impresso without tools
Inset <sup>1</sup>		■	-	-	<b>F028138536</b>	<b>F028138546</b>	<b>F017139342</b>
		-	■	-	<b>F045138474</b>	<b>F045138484</b>	<b>F034139313</b>
		-	■	■	<b>F046138596</b>	-	-

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

## COVER CAPS

	Designation	Cranking	Imprinted/Embossed	Art.-no.
	Hinge arm cover cap, steel, nickel-plated, not imprinted	0/3/9.5/19	On request	<b>F072135500</b>
	Hinge arm cover cap, right, steel, nickel-plated, GRASS imprint	0/3/9.5/19	GRASS logo	<b>F072135550</b>
	Hinge arm cover cap, left, steel, nickel-plated, GRASS imprint			<b>F072135551</b>
	Premium hinge arm cover cap with integrated clip protection, plastic, black, not imprinted	0/3/9.5/19	On request	<b>F072140504</b>
	Hinge arm cover cap, steel, long, nickel-plated, not imprinted	0/3	On request	<b>F072135504</b>
	Hinge cup cover cap, steel, nickel-plated, not imprinted	0/3/9.5/19	-	<b>F072135503</b>

## ACCESSORIES

	Designation	Art.-no.
	85° opening angle reduction clip	<b>F072135751</b>
	Tipmatic Pin for wooden and aluminium frame doors	<b>F069135396</b>

	Designation	Art.-no.
	Countersunk wood screw Ø 3.5 x 15 mm	<b>F146073976</b>
	Unclipping protector	<b>F072135807</b>

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INSTALLATION INFORMATION

All dimensions in millimetres

**Inset**

Mounting plate height 3

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				

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