

# GRASS TIOMOS 110° SOFT CLOSE HINGES

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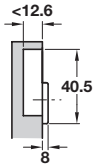
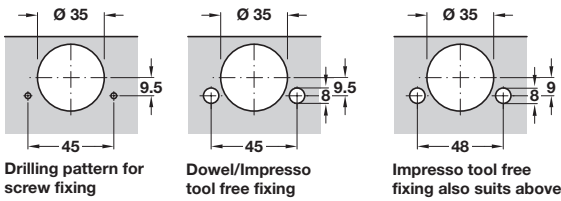
Furniture Hinges and Flap Fittings: Hinges



Tiomos Night - anthracite finish

Nickel-plated finish

**Drilling pattern for cup fixing**



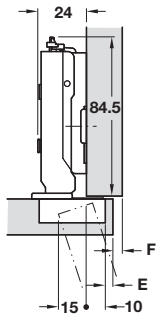
For 95/110/120° hinges

- > For standard applications
- > Opening angle 110° (can be restricted to 85°, see page 73 for details), Ø 35 mm cup
- > For door thickness up to 24 mm (for door thicknesses 24 mm and above, a trial fitting is recommended)
- > Up to 24 mm overlay using full overlay plus hinge (see page 43)
- > Available with or without integrated soft close
- > Screw fixing, dowel or impresso (quick fix) fixing cup
- > Click on arm
- > Full overlay and full overlay plus mounting has steel cup and hinge arm. Half overlay and inset mounting has steel cup and zinc alloy arm
- > Tiomos Night, anthracite finish, also available
- > Order fixing screws separately
- > Order qty: 1 pc

**Minimum gap for doors with chamfered edges (r = 1 mm) with factory setting**

Door thickness mm	Distance to cup E mm				
	3.0	4.0	5.0	6.0	7.0
16	0.6	0.6	0.6	0.6	0.6
17	0.6	0.6	0.6	0.6	0.6
18	0.7	0.7	0.7	0.7	0.7
19	0.9	0.9	0.9	0.9	0.9
20	1.1	1.1	1.1	1.1	1.1
21	1.4	1.3	1.3	1.3	1.3
22	1.6	1.6	1.6	1.5	1.5
24	2.4	2.1	2.1	2.1	2.0
<b>Minimum gap F</b>					

**Grass Tiomos 110° concealed hinge, full overlay mounting**



Application example with 2 mm mounting plate shown - see table opposite for details

Door overlay mm							
13	14	15	16	17	18	19	
		3	4	5	6	7	0
3	4	5	6	7			2
Distance to cup E mm				Mounting plate height mm			

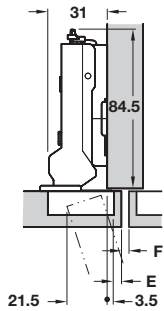


Soft close	Screw fixing	Impresso	Dowel
<b>Nickel-plated finish</b>			
With	348.31.801	348.31.831	348.31.811
Without	348.31.601	348.31.631	-
<b>Tiomos Night - anthracite finish</b>			
With	348.31.805	-	-



Most of the products you will find in this Directory are available within 24 hours. However, to be able to offer the breadth of range in our collection, a small number of products have a longer lead time that is typically around 14 days. Please call 0800 171 2909 for an accurate delivery date when you see this symbol.

## Grass Tiomos 110° concealed hinge, half overlay/twin mounting



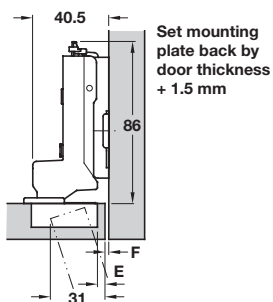
Application example with 2 mm mounting plate shown - see table opposite for details

Door overlay mm							
6.5	7.5	8.5	9.5	10.5	11.5	12.5	
		3	4	5	6	7	0
3	4	5	6	7			2
Distance to cup E mm				Mounting plate height mm			



Soft close	Finish	Screw fixing	Impresso
With	Nickel-plated	348.31.802	348.31.832
Without	Nickel-plated	348.31.602	-
Tiomos Night			
With	Anthracite	348.31.806	-

## Grass Tiomos 110° concealed hinge, inset mounting



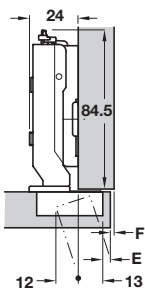
Application example with 2 mm mounting plate shown - see table opposite for details

Door gap mm					
	4	3	2	1	0
				3	4
		3	4	5	6
					2
Distance to cup E mm			Mounting plate height mm		



Soft close	Finish	Screw fixing	Impresso
With	Nickel-plated	348.31.803	348.31.833
Without	Nickel-plated	348.31.603	-
Tiomos Night			
With	Anthracite	348.31.807	-

## Grass Tiomos 110° concealed hinge, full overlay plus



Application example with 2 mm mounting plate shown - see table opposite for details

Door overlay mm							
16	17	18	19	20	21	22*	
		3	4	5	6	7	0
3	4	5	6	7			2
Distance to cup E mm				Mounting plate height mm			

\*door overlay from 24 mm, use mounting plate 348.38.560 on page 68



Soft close	Finish	Screw fixing	Impresso
With	Nickel-plated	348.31.800	348.31.830
Without	Nickel-plated	348.31.600	-

YOU ALSO NEED:



**MOUNTING PLATES**  
Pages 66-68

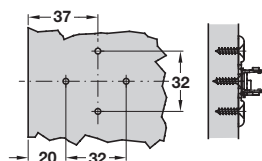


**FIXING SCREWS**  
Section 13 pages 8-14



**OPTIONAL ACCESSORIES**  
Pages 73-74, 109-121

## Grass Tiomos cruciform mounting plate, 4 point fixing



- > For TIOMOS click on fixing hinges only
- > Hospa screw fixing
- > Two part plate with ± 2 mm height adjustment via worm screw
- > Nickel-plated steel
- > Order fixing screws separately
- > Order qty: 1 pc



Height	0 mm	2 mm
Hospa screw	348.38.511	348.38.512



A wider range of mounting plates are shown on pages 66-68

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# TIOMOS CLICK ON MOUNTING PLATES AND ACCESSORIES



TIOMOS click on fixing hinges are shown on pages **36-63**

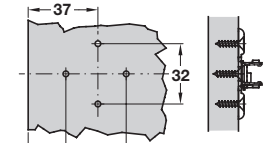
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Furniture Hinges and Flap Fittings: Hinges

## Grass Tiomos cruciform mounting plate, 4 point fixing



Nickel-plated

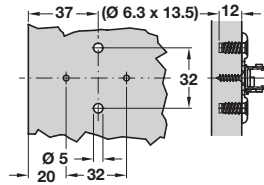


For Hospa screws

- > For TIOMOS click on fixing hinges only
- > Hospa screw fixing or with pre-mounted Euro screws or dowel fixing
- > Two part plate with ± 2 mm height adjustment via worm screw
- > Steel
- > Order fixing screws separately for Hospa screw fixing versions
- > Order qty: 1 pc



Nickel-plated



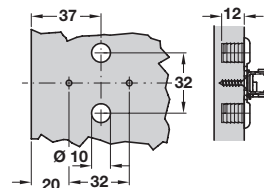
With pre-mounted Euro screws



Anthracite



Nickel-plated



With dowel fixing

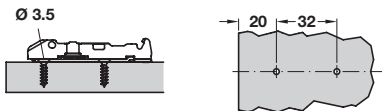


Height	Hospa screw	Pre-mounted	Dowel
Nickel-plated finish			
0 mm	348.38.511	348.38.521	348.38.541
2 mm	348.38.512	348.38.522	348.38.542
3 mm	348.38.513	348.38.523	-
Tiomos Night - Anthracite finish			
0 mm	348.38.040	348.38.050	-
2 mm	348.38.042	348.38.052	-

## Grass Tiomos inline mounting plate



Nickel-plated



For Varianta

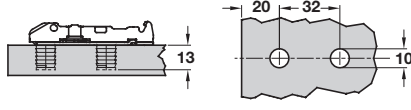
- > For TIOMOS click on fixing hinges only
- > Varianta screw fixing or dowel fixing
- > Two part plate with ± 2 mm height adjustment via worm screw
- > Steel
- > Order fixing screws separately for Varianta screw fixing versions
- > Order qty: 1 pc



Anthracite



Nickel-plated



With dowel fixing



Height	Screw fixing	Dowel
Nickel-plated finish		
0 mm	348.38.501	348.38.010
2 mm	348.38.502	348.38.012
3 mm	348.38.503	-
Tiomos Night - Anthracite finish		
0 mm	348.38.030	-
2 mm	348.38.032	-
3 mm	348.38.033	-

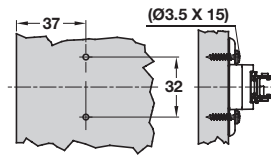
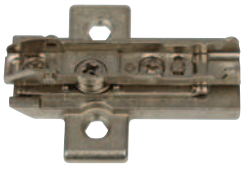


Order Varianta screw **013.01.711** separately for screw fixing version to ensure correct fit, shown in **Section 13** on page **22**



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## Grass Tiomos cruciform mounting plates, 2 point fixing

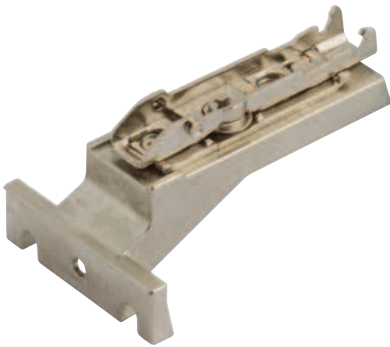


- > For TIOMOS click on fixing hinges only
- > Hospa screw fixing
- > Two part plate with  $\pm 2$  mm height adjustment via worm screw
- > Nickel-plated steel
- > Order fixing screws separately
- > Order qty: 1 pc

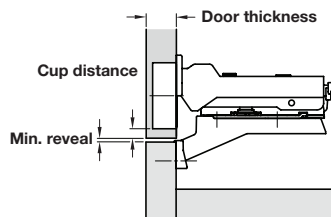
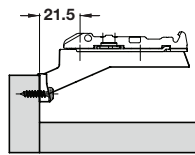
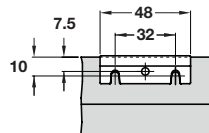


Height	Hospa screw
6 mm	348.39.511
8 mm	348.39.512
14 mm	348.39.536
19 mm	348.39.519
21 mm	348.39.520

## Grass Tiomos inset beaded mounting plate for frame constructions, 3 point fixing



- > For inset doors
- > To be used with TIOMOS half overlay hinges
- > Hospa screw fixing
- > With convenient height adjustment  $\pm 2$  mm via worm screw
- > Nickel-plated steel and zinc alloy
- > Order fixing screws separately
- > Order qty: 1 pc



Door thickness mm	Minimum reveal mm							
	16	18	19	20	22	24	26	28
3	3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4	3
5	5	5	5	5	5	5		2
6	6	6	6	6				1

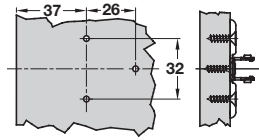
Distance to cup mm

Minimum reveal mm

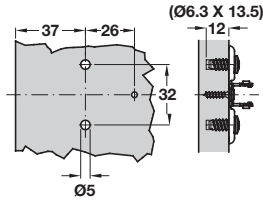


Height	Cat. No.
0 mm	348.38.020

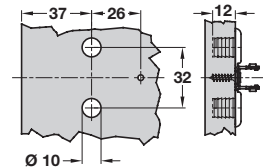
**Grass Tiomos ECON cruciform mounting plate, 3 point fixing**



For Hospa screws



With pre-mounted Euro screws



With dowel fixing

- > For TIOMOS click on fixing hinges only
- > Hospa screw fixing or with pre-mounted Euro screws or dowel fixing
- > One part plate with ± 2.5 mm height adjustment by slot
- > Nickel-plated steel
- > Order fixing screws separately for Hospa screw fixing versions
- > Order qty: 1 pc



Height	Hospa screw	Pre-mounted	Dowel
0 mm	348.38.612	348.38.551	348.38.591
2 mm	348.38.613	348.38.552	348.38.592
-2 mm	348.38.560	-	-



TIOMOS click on fixing hinges are shown on pages 36-63

**Cover caps**



Nickel-plated



Night - Anthracite  
For hinge arm



Nickel-plated



Night - Anthracite  
For hinge cup

- > Steel
- > Order qty: 1 pc



Suitable for	Hinge arm	Hinge cup
Nickel-plated finish	348.40.000	348.40.001
Night - Anthracite finish	348.40.005	348.40.006

**Grass Tiomos cover caps, with Grass logo**



- > Suitable for hinge arm
- > With GRASS logo embossed
- > Nickel-plated steel
- > Order qty: 1 pc

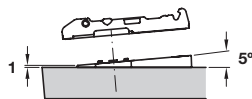


Hand	Right	Left
Cat. No.	348.40.003	348.40.004

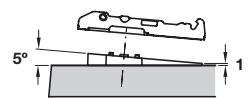
**Grass Tiomos wedge**



Wedge +5°



Wedge -5°



- > Ideal for curved door applications
- > For cruciform mounting plates that require underlaying either +/- 5°
- > For screwing into 32/37 mm series drilled holes
- > Nickel plated zinc alloy
- > \*Max. 3 wedges stacked on top of each other
- > Order qty: 1 pc



	Cat. No.
Wedge + 5° *	348.40.020
Wedge - 5°	348.40.021