

# Magic system

## Touch latches





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## Technical details

The system utilizes the touch latch combined with special hinges to open the door automatically with a simple touch. The system can be used with wooden or aluminium framed doors.

Guaranteed functioning: the closed door cannot be blocked. Door can be opened by pulling and/or pushing it. The system can be used on doors with handles. No protruding parts are visible

on the door.

**Magic system** is combined with hinges that, with a continuous and smooth motion open the door automatically.



## Magic system product range



### Magic

Touch latches with retaining force 10 N and pushing force and 15 N, several cabinet adaptors are available.



### XL Magic

Touch latches with cabinet adaptor, retaining force 15 N, pushing force 22 N.



### Magic Plus

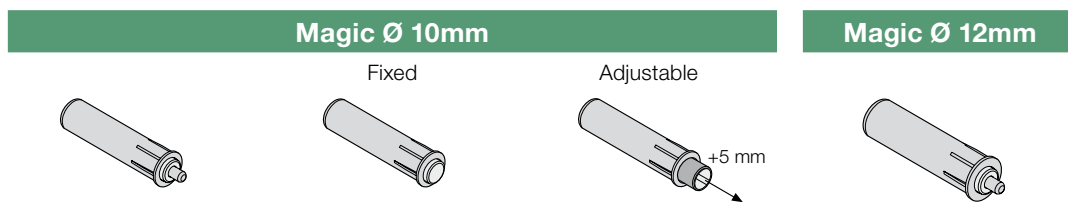
Retaining force 10 N, pushing force 15 N.



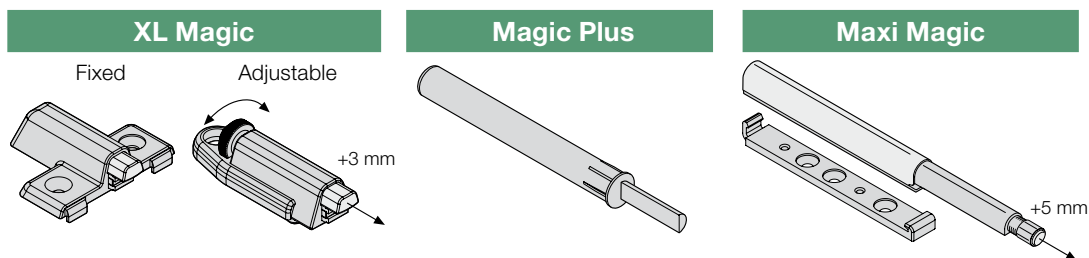
### Maxi Magic

Touch latches with cabinet adaptor, retaining force 10 N, pushing force 22 N.

# Product selection chart

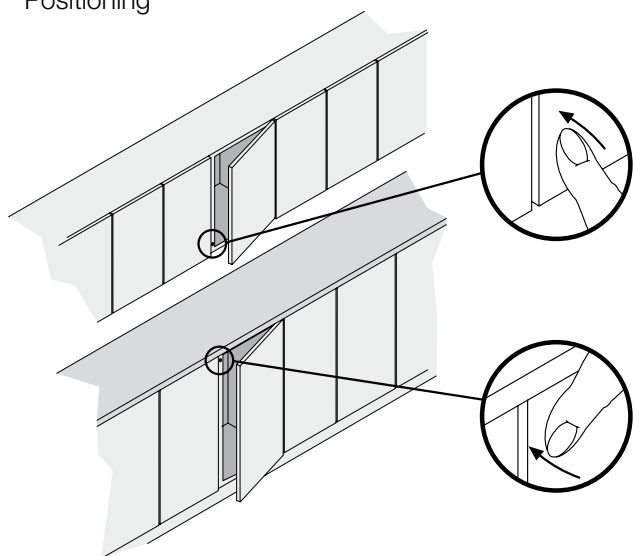


Description		Magic Ø 10mm			Magic Ø 12mm
		Touch Latch	Magnet only		Touch Latch
Pushing force	[N.]	15	-	-	22
Magnetic restraint	[N.]	10	15	15	15
Finish	RAL 7004	<b>MP1100C4</b>	<b>MP1160C4</b>	<b>MP8100C4</b>	<b>MP7100C4</b>
	RAL 9005	<b>MP1100F</b>	<b>MP1160F</b>	<b>MP8100F</b>	<b>MP7100F</b>
	RAL 9010	<b>MP11001</b>	<b>MP11601</b>	<b>MP81001</b>	



Description		XL Magic		Magic Plus		Maxi Magic	
		Touch Latch with adaptor	Touch Latch	Without Magnet	Touch Latch	Without Magnet	
Pushing force	[N.]	22	15	15	22	22	
Magnetic restraint	[N.]	15	10	-	10	-	
Finish	RAL 7004	<b>MP2100C4</b>	<b>MP3100C4</b>	<b>MP4100C4</b>	<b>MP5100C4</b>		
	Metal					<b>MP6200G</b>	<b>MP6100G</b>

## Positioning

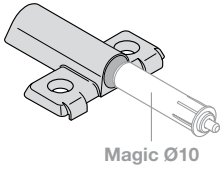
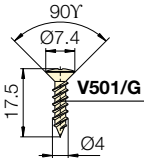
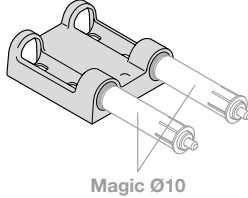
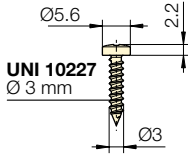
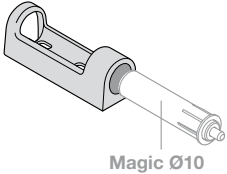
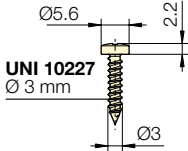
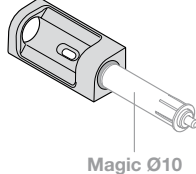
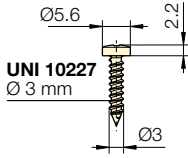


Position Magic in the most ergonomic place, generally in the middle of the cabinet side. Magic should always be positioned opposite to the hinged side, on the lower side of wall cabinets and on the upper side of base cabinets.

## Accessories

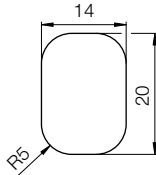
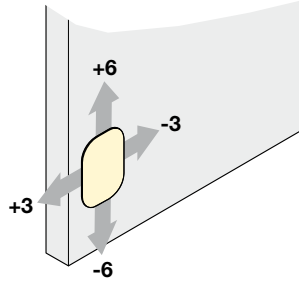
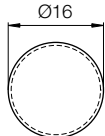
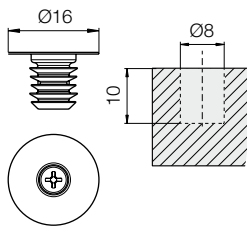
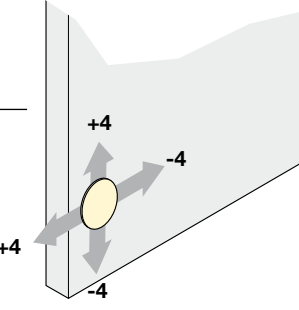
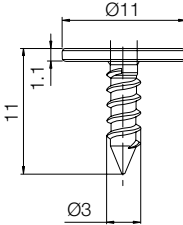
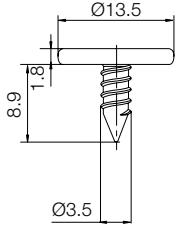

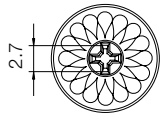
### Adaptors for Magic Ø 10 mm

The different types of adaptors should be used with Ø 10 mm only.

Description	Finish	Code	Description	Finish	Code
Fixed adaptor drilling centers 10x32 mm	RAL 7004	<b>SMP111/C4</b>	Longitudinal adjustable double adaptor	RAL 7004	<b>SMP120/C4</b>
 Magic Ø10			 Magic Ø10		
Longitudinal adjustable adaptor	RAL 7004	<b>SMP119/C4</b>	Corner adjustable adaptor	RAL 7004	<b>SMP118/C4</b>
 Magic Ø10			 Magic Ø10		

### Door plates

Apply the plates by centering them on the magnetic parts of the Magic system.

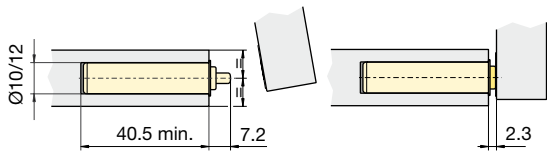
Description	Code	Drilling and dimensions	Adjustments
Rectangular plate glue fastening	<b>MP1201G</b>		
Rectangular plate with adhesive fastening	<b>MP1204G</b>		
Round plate with adhesive fastening	<b>MP1205G</b>		
Round plate dowel Ø 8x10 mm fastening	<b>MP1203G</b>		
Round plate dowel Ø 10x10 mm fastening	<b>MP1206G</b>		
Round plate Ø 11 mm	<b>SMP125/G</b>	<b>SMP125 - SMP126</b>	<b>SMP127 - SMP132</b>
Round plate Ø 11 mm with Phillips n°0 drive	<b>SMP126/G</b>		
Round plate Ø 13.5 mm with Phillips n°0 drive	<b>SMP127/G</b>		
Round plate Ø 13.5 mm	<b>SMP132/G</b>		

# Installation and dimensions

## Magic Ø10/12 mm

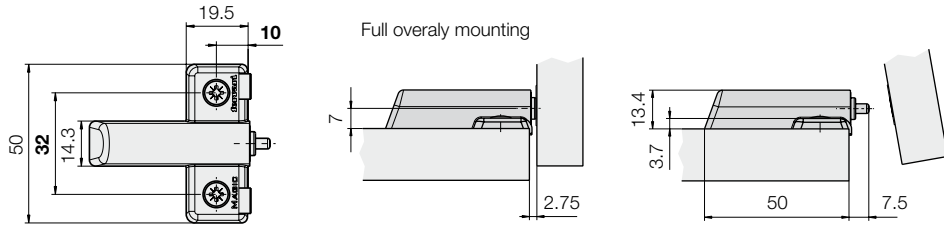
MP1100C4 - MP1100F - MP11001 - MP1160C4 - MP1160F - MP11601  
 MP8100C4 - MP8100F - MP81001 - MP7100C4 - MP7100F

Overlary mounting

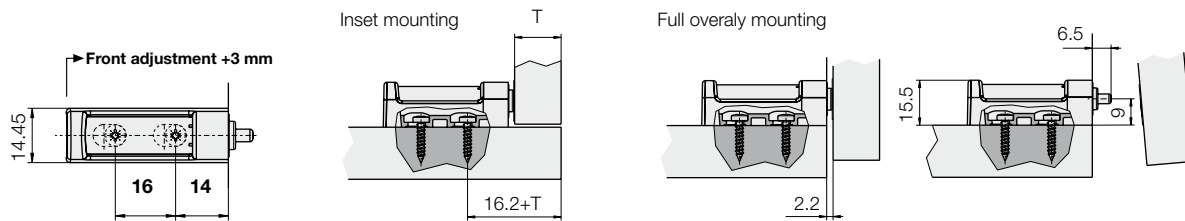


## Adaptors for Magic Ø10 mm

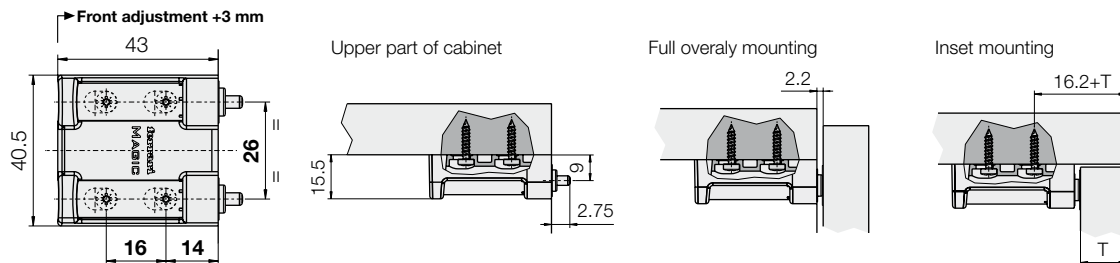
### SMP111/C4



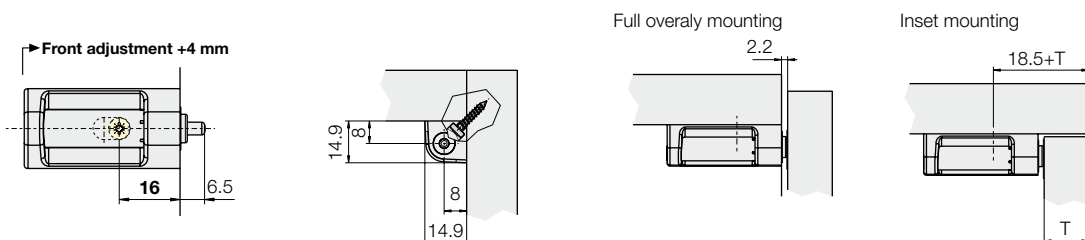
### SMP119/C4



### SMP120/C4



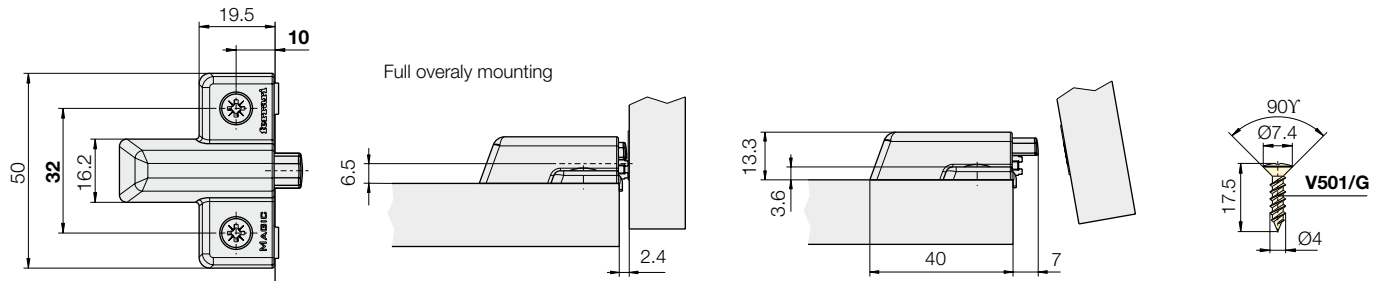
### SMP118/C4



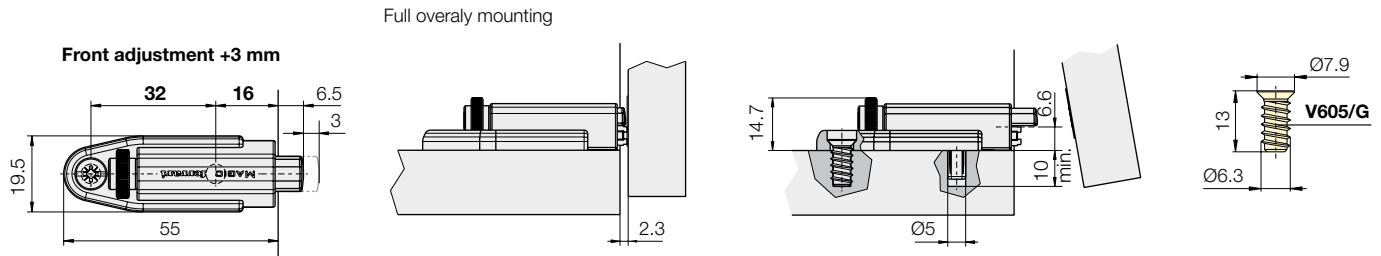
## Installation and dimensions

### XL Magic

MP2100C4

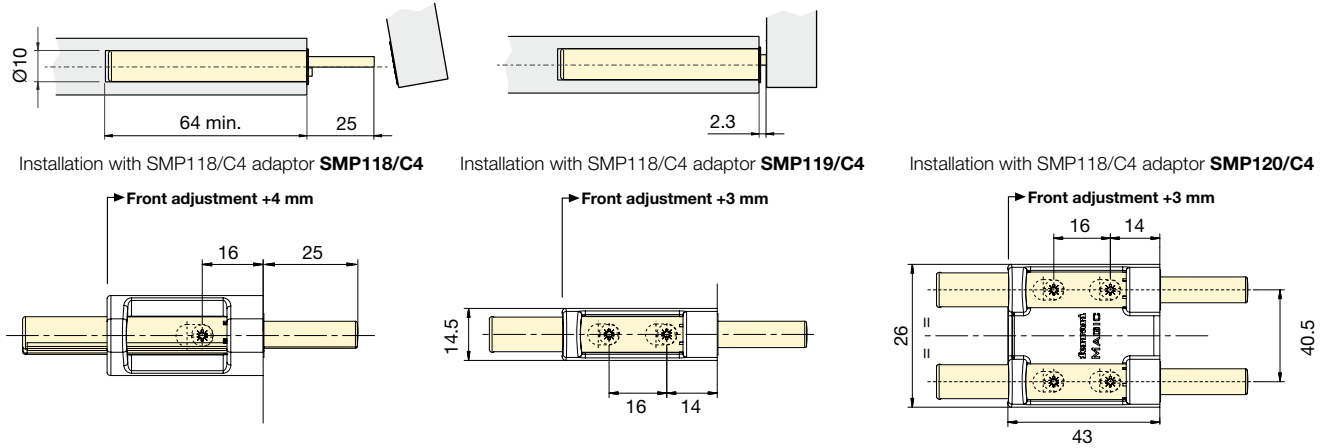


MP3100C4



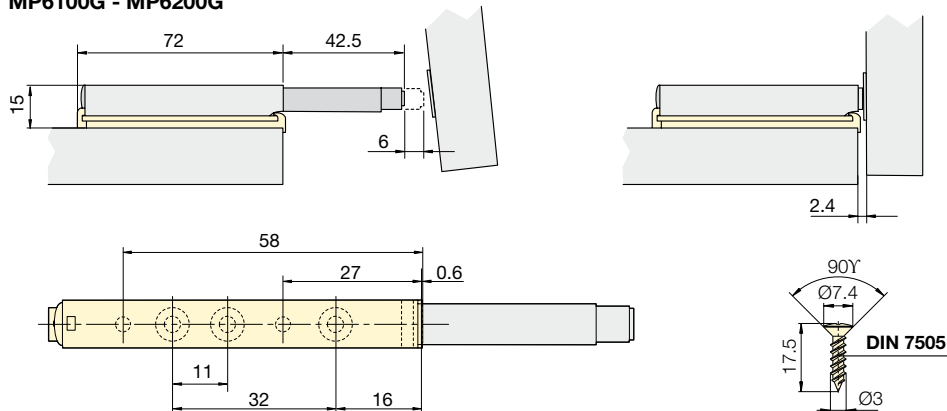
### Magic Plus

MP4100C4 - MP5100C4



### Magic Maxi

MP6100G - MP6200G





# Hinges for Magic system

## Anyway Clip 92/93



### Technical details

Magic & XL Magic can be combined with reverse sprung hinges, which open the door automatically.

These hinges are available with the clip system (Series 92/93) and the Slide-On system (Series 96), for wooden and aluminium profile doors, with the different cup fastenings and with all the accessories.

More information is available on the product catalogs. Thanks to its compact dimensions the hinge for metal profiles allows the use of frames with reduced thickness and width.

The glass can be mounted with rubber gaskets, which enable silent functioning, easy installation and quick glass replacement.

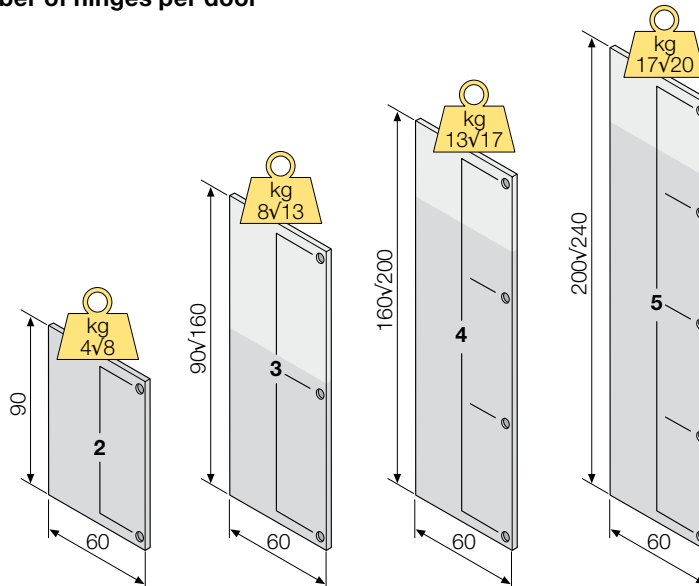
The standard hinge finish is: copper+nickel, different finishes

are available upon request. The image below shows the recommended number of hinges according to the door weight for doors that are 600 mm wide.

Generally the number of hinges depends on several variables: door dimensions, weight, type and thickness and the hinge fastening. For special needs it is recommended to perform empirical tests.

### Optimal number of hinges per door

## Slide - on 96

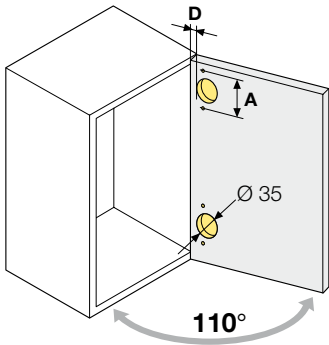


Width [cm]	Weight [Kg]	Height [cm]	Hinges advised [N°]
60	4÷8	90	2
	8÷13	90÷160	3
	13÷17	160÷200	4
	17÷20	200÷240	5

Further information on the Anyway Clip and Slide-on hinges is available on the product catalogs.

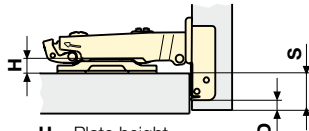
## Hinges for Magic system Clip hinges for wooden doors

Anyway Clip 92/93 - 110° opening - Ø 35mm



### Crank 0

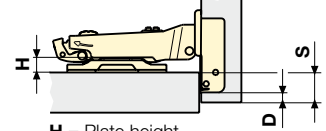
$$H = 17 + D - S$$



H = Plate height  
D = Drilling distance  
S = Overally

### Crank 3

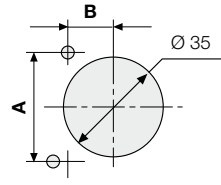
$$H = 14 + D - S$$



H = Plate height  
D = Drilling distance  
S = Overally

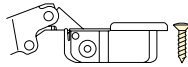
Ø hole [mm]	Drilling centers A [mm]	Adjustment	Cup fastening *				Cup fastening *			
			Woodscrews	Dowels	Speed	Digit	Woodscrews	Dowels	Speed	Digit
35	45	Screw	H92079AGGWS	H92081AGGWS	H92419AGGWS		H92079HGGWS	H92081HGGWS	H92419HGGWS	
		Cam	H93079AGGWS	H93081AGGWS	H93419AGGWS		H93079HGGWS	H93081HGGWS	H93419HGGWS	
	48	Screw	H92087AGGWS	H92091AGGWS	H92407AGGWS	H92505AGGWS	H92087HGGWS	H92091HGGWS	H92407HGGWS	H92505HGGWS
		Cam	H93087AGGWS	H93091AGGWS	H93407AGGWS	H93505AGGWS	H93087HGGWS	H93091HGGWS	H93407HGGWS	H93505HGGWS
	52	Screw	H92095AGGWS	H92099AGGWS			H92095HGGWS	H92099HGGWS		
		Cam	H93095AGGWS	H93099AGGWS			H93095HGGWS	H93099HGGWS		

### Drilling and cup fastening

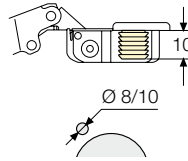


A [mm]	B [mm]
45	9.5
48	6
52	5.5

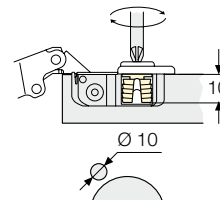
Cup fastening with woodscrews



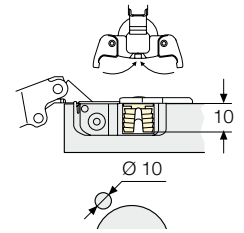
Cup fastening with dowels



Quick "Speed" cup fastening



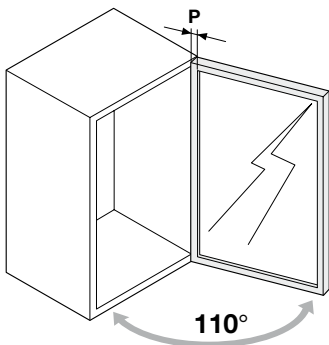
Quick "Digit" TLM cup fastening



\* For different cup fastening systems please contact the Ferrari technical services.

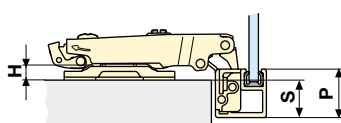
## Clip hinges for aluminium profiles

Anyway Clip 92/93 - 110° opening



### Crank 0

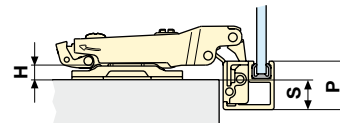
$$H = P + 1 - S$$



H = Plate height  
S = Overally  
P = Profile width

### Crank 3

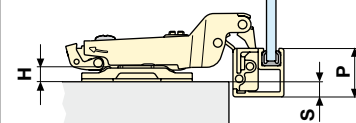
$$H = P - 2 - S$$



H = Plate height  
S = Overally  
P = Profile width

### Crank 9

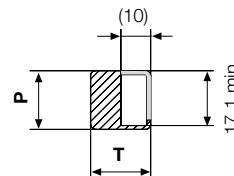
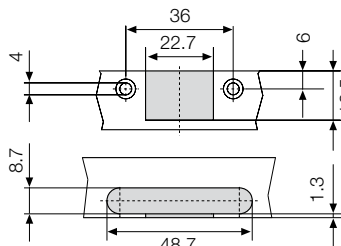
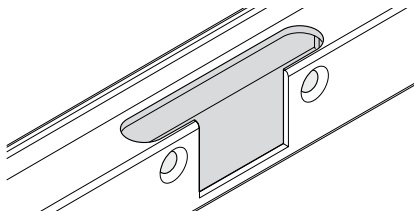
$$H = P - 8 - S$$



H = Plate height  
S = Overally  
P = Profile width

Drilling [mm]	Adjustment				
		36	Screw	C92595AZGMGWS	C92595HZGMGWS
Cam	C93595AZGMGWS		C93595HZGMGWS	C93595BZGMGWS	

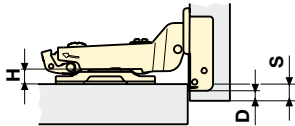
### Drilling and cup fastening



P min = 18.50 mm  
P max = 22 mm

### Crank 9

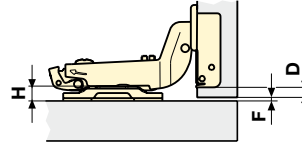
$$H = 8 + D - S$$



H = Plate height  
D = Drilling distance  
S = Overall

### Crank 17

$$H = D + F$$



H = Plate height  
D = Drilling distance  
F = Gap

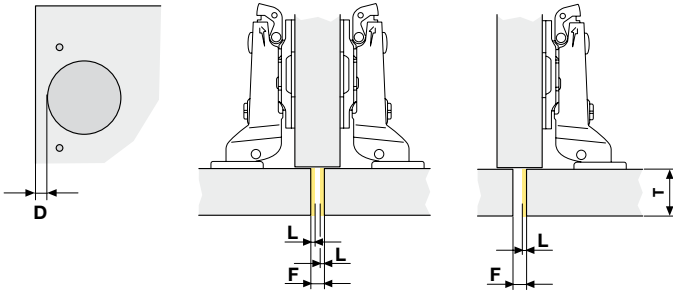
#### Cup fastening \*

Woodscrews	Dowels	Speed	Digit
H92079BGGWS	H92081BGGWS	H92419BGGWS	
H93079BGGWS	H93081BGGWS	H93419BGGWS	
H92087BGGWS	H92091BGGWS	H92407BGGWS	H92505BGGWS
H93087BGGWS	H93091BGGWS	H93407BGGWS	H93505BGGWS
H92095BGGWS	H92099BGGWS		
H93095BGGWS	H93099BGGWS		

#### Cup fastening \*

Woodscrews	Dowels	Speed	Digit
H92079CGGWS	H92081CGGWS	H92419CGGWS	
H93079CGGWS	H93081CGGWS	H93419CGGWS	
H92087CGGWS	H92091CGGWS	H92407CGGWS	H92505CGGWS
H93087CGGWS	H93091CGGWS	H93407CGGWS	H93505CGGWS
H92095CGGWS	H92099CGGWS		
H93095CGGWS	H93099CGGWS		

#### Minimum reveal for door rotation



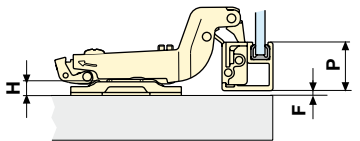
Drilling distance D [mm]	Door thickness T [mm]							
	16	17	18	19	20	21	22	23
3	0.6	0.9	1.2	1.5	1.9	3.0	4.5	5.6
4	0.6	0.8	1.1	1.4	1.8	2.2	3.5	4.6
5	0.6	0.8	1.1	1.4	1.7	2.1	2.5	3.6

F = Gap

NOTE: The gap F is the available room, which should always be higher than the reveal L.

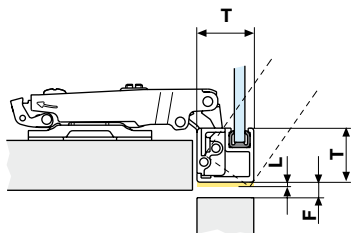
### Crank 17

$$H = P - 16 + F$$



H = Plate height  
F = Gap  
P = Profile width

#### Minimum reveal for door rotation



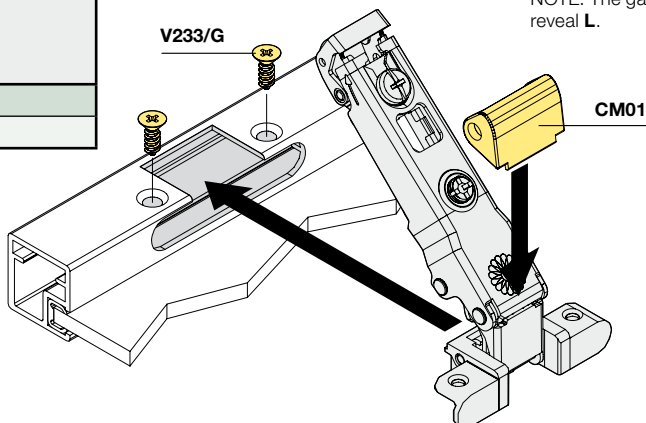
Profile width P [mm]	Door thickness T [mm]							
	17	18	19	20	21	22	23	
19	1.2	1.5	1.9	3.0	4.5	5.6	6.6	
20	1.1	1.4	1.8	2.2	3.5	4.6	5.5	
21	1.1	1.4	1.7	2.1	2.5	3.6	4.5	

F = Gap

NOTE: The gap F is the available room, which should always be higher than the reveal L.

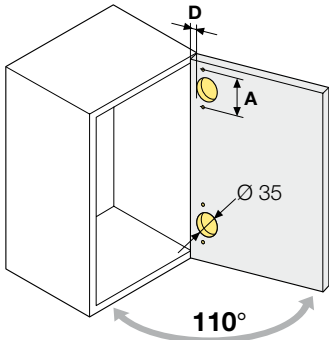
C92595CZGMGWS

C93595CZGMGWS



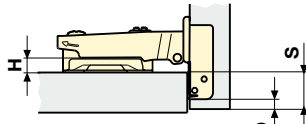
## Hinges for Magic system Slide-on hinges for wooden doors

Slide - on 96 - 110° opening - Ø 35mm



### Crank 0

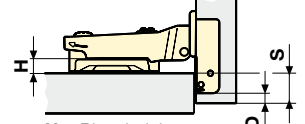
$$H = 17 + D - S$$



H = Plate height  
D = Drilling distance  
S = Overlay

### Crank 3

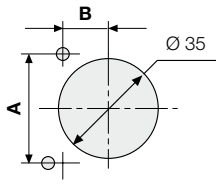
$$H = 14 + D - S$$



H = Plate height  
D = Drilling distance  
S = Overlay

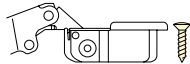
Ø hole [mm]	Drilling centers A [mm]	Cup fastening *				Cup fastening *			
		Woodscrews	Dowels	Speed	Digit	Woodscrews	Dowels	Speed	Digit
35	45	H96079AGG	H96081AGG	H96419AGG		H96079HGG	H96081HGG	H96419HGG	
	48	H96087AGG	H96091AGG	H96407AGG	H96505AGG	H96087HGG	H96091HGG	H96407HGG	H96505HGG
	52	H96095AGG	H96099AGG			H96095HGG	H96099HGG		

### Drilling and cup fastening

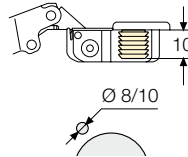


A [mm]	B [mm]
45	9.5
48	6
52	5.5

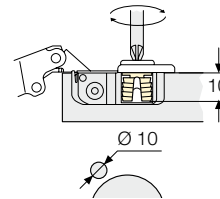
Cup fastening with woodscrews



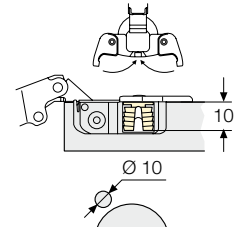
Cup fastening with dowels



Quick "Speed" cup fastening



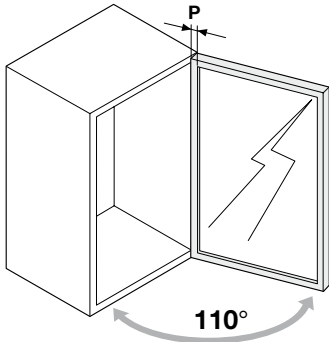
Quick "Digit" TLM cup fastening



\* For different cup fastening systems please contact the Ferrari technical services

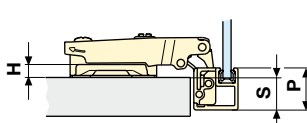
## Slide-on hinges for aluminium profiles

Slide - on 96 - 110° opening



### Crank 0

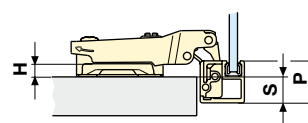
$$H = P + 1 - S$$



H = Plate height  
S = Overlay  
P = Profile width

### Crank 3

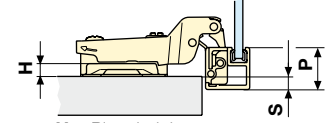
$$H = P - 2 - S$$



H = Plate height  
S = Overlay  
P = Profile width

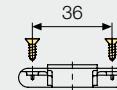
### Crank 9

$$H = P - 8 - S$$

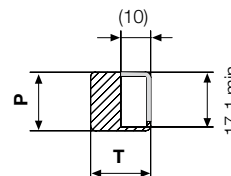
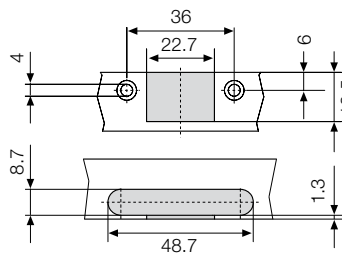
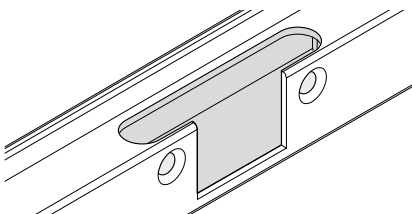


H = Plate height  
S = Overlay  
P = Profile width

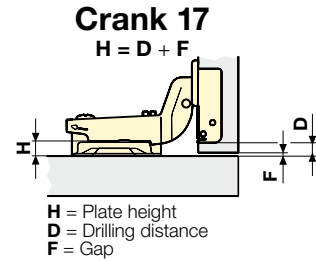
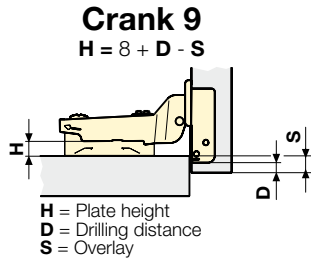
Drilling [mm]	C96595AZGMG	C96595HZGMGWS	C96595BZGMGWS
36			



### Drilling and cup fastening



P min = 18.50 mm  
P max = 22 mm



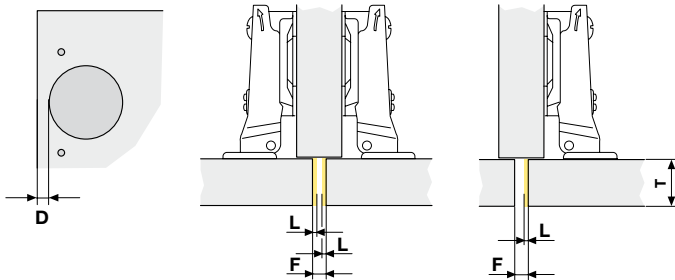
#### Cup fastening \*

Woodscrews	Dowels	Speed	Digit
H96079BGG	H96081BGG	H96419BGG	
H96087BGG	H96091BGG	H96407BGG	H96505BGG
H96095BGG	H96099BGG		

#### Cup fastening \*

Woodscrews	Dowels	Speed	Digit
H96079CGG	H96081CGG	H96419CGG	
H96087CGG	H96091CGG	H96407CGG	H96505CGG
H96095CGG	H96099CGG		

#### Minimum reveal for door rotation



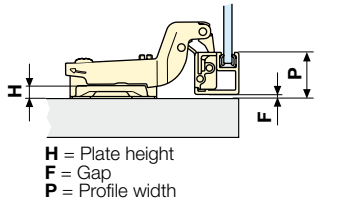
Drilling distance D [mm]	Door thickness T [mm]							
	16	17	18	19	20	21	22	23
	Luce minima L [mm]							
3	0.6	0.9	1.2	1.5	1.9	3.0	4.5	5.6
4	0.6	0.8	1.1	1.4	1.8	2.2	3.5	4.6
5	0.6	0.8	1.1	1.4	1.7	2.1	2.5	3.6

F = Gap

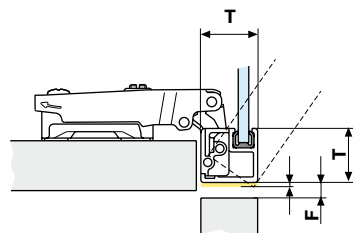
NOTE: The gap F is the available room, which should always be higher than the reveal L.

### Crank 17

$$H = P - 16 + F$$



#### Minimum reveal for door rotation

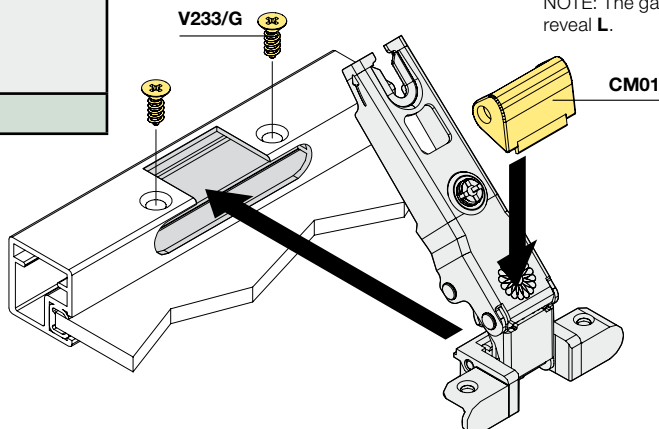


Drilling distance P [mm]	Door thickness T [mm]							
	17	18	19	20	21	22	23	
	Minimum reveal L [mm]							
19	1.2	1.5	1.9	3.0	4.5	5.6	6.6	
20	1.1	1.4	1.8	2.2	3.5	4.6	5.5	
21	1.1	1.4	1.7	2.1	2.5	3.6	4.5	

F = Gap

NOTE: The gap F is the available room, which should always be higher than the reveal L.

C96595CZGMGWS



## Codes and packing

Code	Description	Unit/Pack
<b>MP11001</b>	Magic touch latch white RAL 9010	1/100
<b>MP1100C4</b>	Magic touch latch grey RAL 7004	1/100
<b>MP1100F</b>	Magic touch latch black RAL 9005	1/100
<b>MP11601</b>	Fixed magnet white RAL 9010	1/100
<b>MP1160C4</b>	Fixed magnet grey RAL 7004	1/100
<b>MP1160F</b>	Fixed magnet black RAL 9005	1/100
<b>MP2100C4</b>	XL Magic touch latch 10X32 mm grey RAL 7004	1/72
<b>MP3100C4</b>	Longitudinal adjustable XL Magic touch latch grey RAL 7004	1/200
<b>MP4100C4</b>	Magic Plus touch latch with magnet grey RAL 7004	1/200
<b>MP5100C4</b>	Magic Plus touch latch without magnet grey RAL 7004	1/200
<b>MP6100G</b>	Maxi Magic without magnet nickel plated	1/200
<b>MP6200G</b>	Maxi Magic with magnet nickel plated	1/200
<b>MP7100C4</b>	Magic touch latch Ø12 mm grey RAL 7004	1/100
<b>MP7100F</b>	Magic touch latch Ø 12 mm black RAL 9005	1/100
<b>MP81001</b>	Adjustable magnet white RAL 9010	1/100
<b>MP8100C4</b>	Adjustable magnet grey RAL 7004	1/100
<b>MP8100F</b>	Adjustable magnet black RAL 9005	1/100
<b>SMP111/C4</b>	Fixed adaptor drilling centers 10x32 mm grey RAL 7004	1/2000
<b>SMP118/C4</b>	Corner adjustable adaptor grey RAL 7004	1/2000
<b>SMP119/C4</b>	Longitudinal adjustable adaptor grey RAL 7004	1/2000
<b>SMP120/C4</b>	Longitudinal adjustable double adaptor grey RAL 7004	1/2000
<b>MP1203G</b>	Metal round plate for magnetic touch latches dowel Ø 8x10 mm fastening	1/2000
<b>MP1204G</b>	Metal rectangular plate for magnetic touch latches with adhesive fastening	1/2000
<b>MP1205G</b>	Metal round plate for magnetic touch latches with adhesive fastening	1/2000
<b>MP1206G</b>	Metal round plate for magnetic touch latches dowel Ø 10x10 mm fastening	1/2000
<b>SMP125/G</b>	Metal round plate for magnetic touch latches Ø 11 mm	1/9000
<b>SMP126/G</b>	Metal round plate for magnetic touch latches Ø 11 mm with Philips n° 0 drive	1/8000
<b>SMP127/G</b>	Metal round plate for magnetic touch latches Ø 13.5 mm with Philips n° 0 drive	1/8000
<b>SMP132/G</b>	Metal round plate for magnetic touch latches Ø 13.5 mm	1/8000





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