

Hinges & Hanging brackets



*Great Numbers,
Great Value*



FORMENTI &
GIOVENZANA

Formenti & Giovenzana provides functional solutions for furniture to meet the real needs of a large number of customers.

All products are conceived and supplied with care and quality and are offered to the market at a competitive price.

In this way, Formenti & Giovenzana contributes globally to increase the satisfaction of the customers buying furniture, giving access to pleasing features and improving the quality of life of the consumers.





Gieffe



FGV Slovakia, Spol s r.o.



FGVTN Brasil LTDA.



FGV Dongguan

Great Numbers, Great Value



FGV is the leading Italian manufacturer of furniture hardware and components. Since 1947 the company develops, produces and sells worldwide clever solutions for the furniture and kitchen industry at the right price. Over the years MADE IN FGV has become synonymous of Italian design combined with mass volume economies of scale.

True to its slogan “Great Numbers, Great Value”, FGV offers to the market the right products in the right quality at the right price.

With 4 production plants in Italy, Slovakia, Brazil and China working with the same quality standards, FGV has the tools to propose affordable solutions with the latest technologies.

Using state-of-the-art and cost efficient technology, FGV delivers a product portfolio which covers the needs of the industry. The FGV sales network of own subsidiaries is completed by a very performing net of strategic distributors to deliver modern furniture technology in every part of the world.

Investing constantly in Customer service and new logistics solutions, FGV aim to help the furniture and kitchen industry to deliver an improved experience to the end-consumer when these buying and using furniture or kitchen cabinets.



Formenti & Giovenzana S.p.A.







General Index

Hinges *8-145*

Wall hanging brackets *146-162*



Hinges

The Right Collection

Good-Better-Best solutions

State of the art technology

Design and functionality

Hinges are still the most effective way of articulating a cabinet door. With 250 Million hinges per year, FGV is the leading hinge manufacturer in Europe. The range covers all levels of requirement from the most sophisticated to the entry level. Recent innovations in term of functionality like controlled movement of the door closing via dampening are adding further end-consumer appeal to the FGV range. With Optima Click, MS Slide-On and QS Mini hinges, the range covers all cabinet applications. Genios, SlowMotion and OneTouch technologies round-up an unrivalled program.



Genios



The Hidden Power

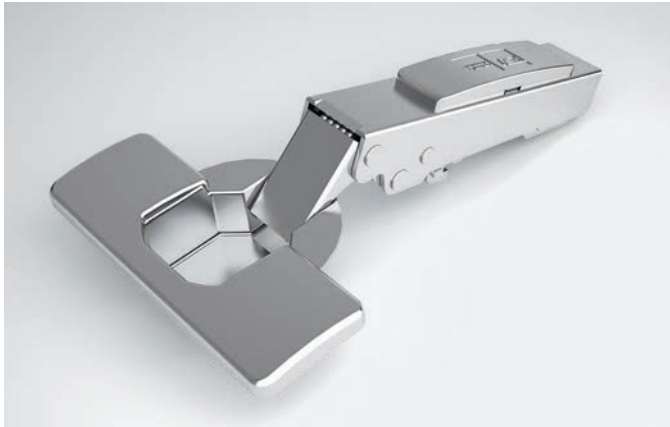


Genios is the innovative technology developed and patented by FGV to control the movement of concealed hinges. Genios is a new way to dampen hinges, and not being located in the hinge arm or in the hinge box, but in the formerly empty space underneath the mounting plate, this astute position generates a wealth of benefits for the industry and for end-consumers. Genios is available on Optima Click and on MS Slide-On hinges.



Genios Video

Optima Click Genios



All the benefits from the Optima hinge range

Optima is the top range hinge of FGV. Its timeless design is completed with features like SafeClick fast assembly and One-Step 3D adjustment. Genios is resetting the agenda on integral damped hinges.

A technology to cover every application

Genios is available with all cranks and angled hinges, it works with framed doors, alu-frame doors and its extra flat arm works with inbuilt fridge configurations, as well as with English drawer situations. Thanks to One-Step-Anyway in and out adjustment, Genios copes with every door size and weight.

No modifications in the processing

Don't touch your machines! Don't go back to the drawing board. Keep your standard Optima hinge application and replace the current mounting plate by the Genios. Drilling depth, overlay and opening angles are unchanged. Genios doesn't require special solutions. It works with extra thin panels from 16mm to 30mm door thickness without any change in your applications.

Integral solution or add-on: your choice!

The mounting plate can come pre-assembled with the SlowMotion damper or ready for add-on. Choose the number of damped hinges easily to fit door size and weight. Choose your marketing option of the damping feature: integral or add-on.



Ms Slide-On Genios

An affordable solution

MS/Slide-On hinges are a part of the world's leading volume manufacturer of quality hinges. Over 30 million cabinets are equipped year on year by this hinge range. One hundred million hinges are produced in Veduggio on the latest automatic equipment.

A quality solution

MS/Slide-On hinges from FGV are easy to use. They are all certified to the highest quality standards in terms of performance and longevity and are guaranteed for 80.000 cycles during their lifetime. The range covers all applications, including corner solutions.



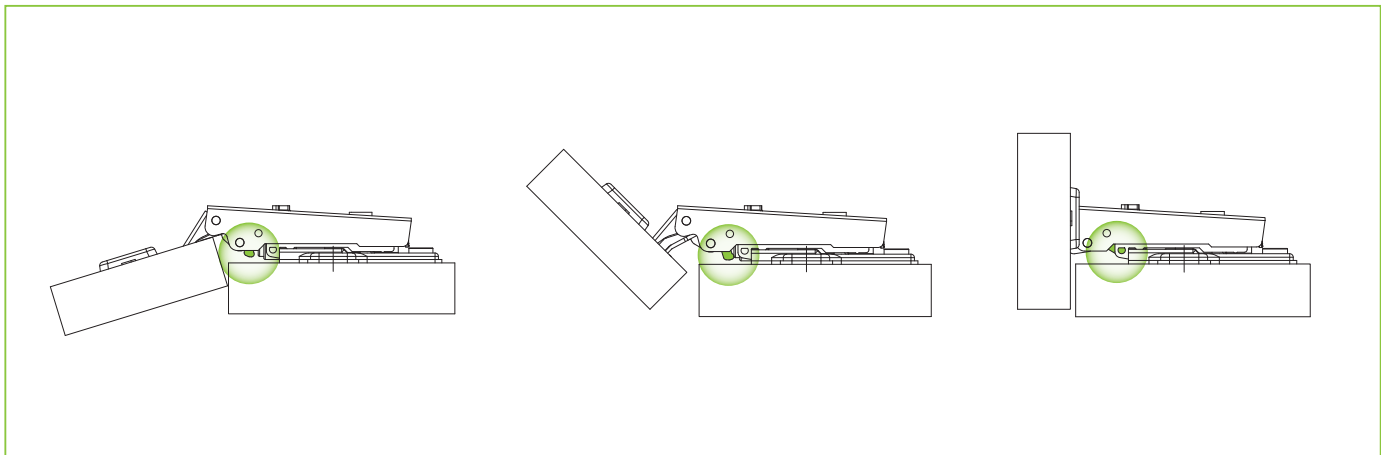
Adjustable impact

The damper is very powerful to cope with large and heavy doors. Nonetheless, the strength can be adjusted to smaller and lighter doors. The regulation can be made, adjusting the screw on the back of the damping housing. Not 100% or 0%, but a real progressive adjustment. A clear advantage for an overall very affordable solution.

Pre-mounted or retrofit

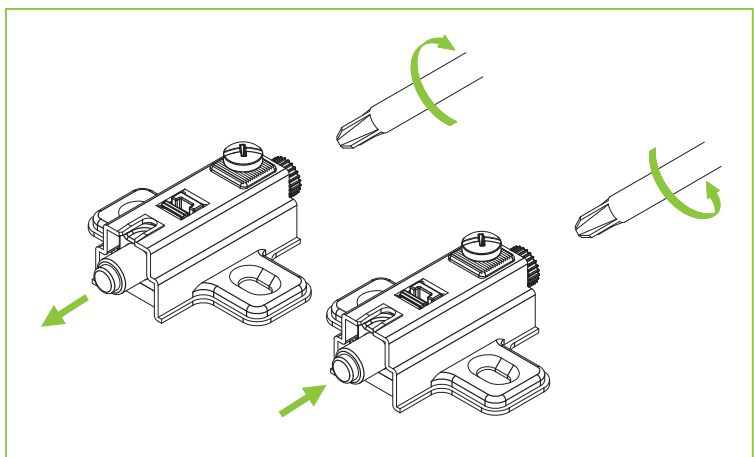
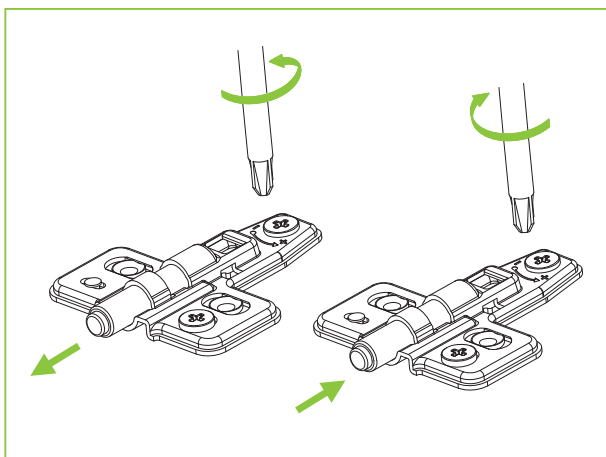
The product range is available with the damper pre-mounted into the mounting plate or as a retro fit able add-on solution, opening whole new perspectives for production and marketing. Stock holding is simplified, for manufacturer and for hardware dealer. Sales margins can be optimised with separate sales.





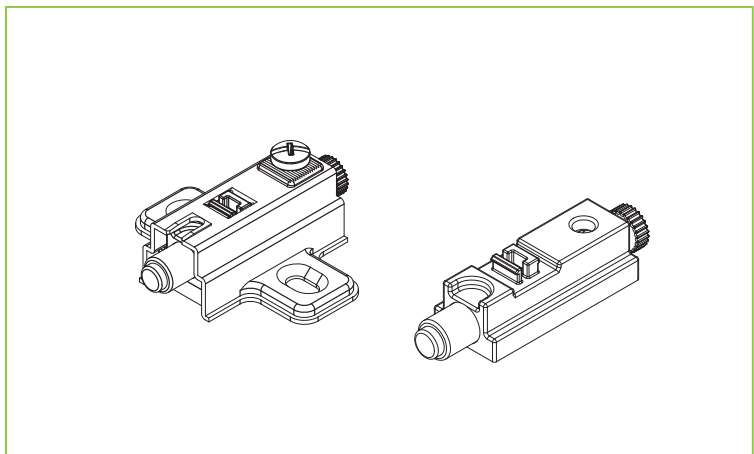
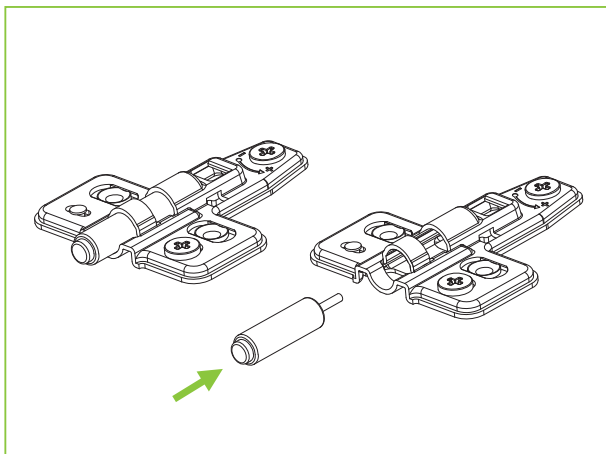
Simple and ingenious

Putting the damper into the least problematic zone of a hinge, namely under the mounting plate, is simply a genial design solution. No bulky hinge box – no protruding hinge arm. Simply Genios!



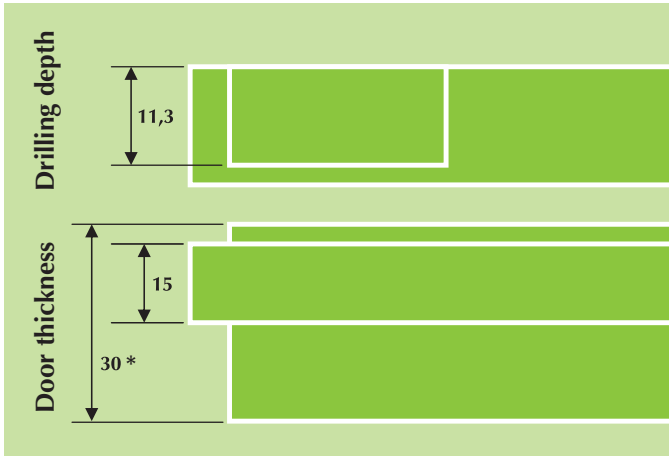
Strong and adjustable

The damper is very powerful to cope with large and heavy doors. Nonetheless, the strength can be adjusted to smaller and lighter doors. It is even possible to use the damper only on certain hinges. Simply Genios!



Integral or add-on

The product range is available with the damper pre-mounted into the mounting plate or as a retro fitable add-on solution, opening whole new perspectives for production and marketing. Simply Genios!

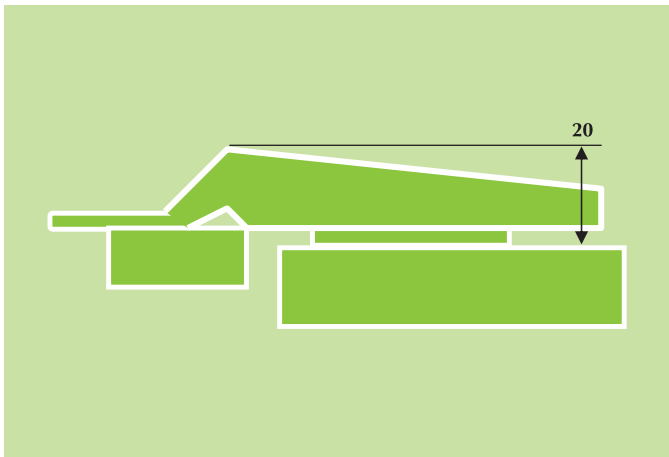


* 30mm in version MT / 26mm in standard

Keep your application and convert without hassle to Genios technology

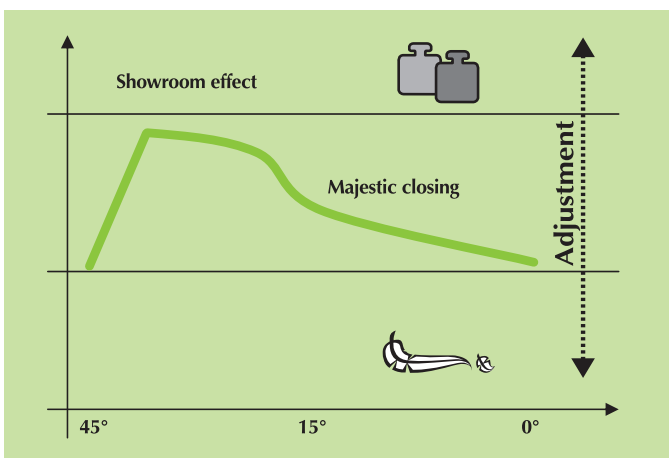
Thin doors or thick doors, light doors or heavy doors, Genios covers them all.

Thanks to the possibility to choose the number of numbers and to fine-tune the adjustment with One-Step-Anyway feature, there is no application Genios doesn't cover.



Genios: the hidden power

Placed under the previously empty space under the central hump of the mounting plate, the SlowMotion damper has no incidence on look or external dimensions of the hinge. Strength and adjustability are combined to deliver hidden force and majestic closing.



Affordable

No change in process, no need for costly thick doors, no "inbuilt gas-factory" in this rational and ingenious technology. And the choice between integral and add-on solution. All ingredients are together for the most affordable solution from the European leader of concealed hinges with an installed capacity of more than 250 Mio hinges in Veduggio.





Hinges Index

<i>Optima Click</i>	8
<i>MS Slide-On</i>	60
<i>QS Mini</i>	108
<i>SlowMotion accessories</i>	
<i>Alfa</i>	130
<i>Delta</i>	134
<i>Zitto</i>	138
<i>OneTouch</i>	142
<i>Appendix</i>	
<i>Pictograms</i>	164

The variety of hinges and mounting plates that Formenti & Giovenzana offers is certainly one of the most complete.

For every hinge or mounting plate it is possible to select the fixing system most suitable to the need.

- **Selftapping and euro screw:** the standard
- **Dowel:** for industrial insertion
- **Velofix and X-Pando dowel:** to reduce the assembly time
- **Centra and Zip:** for no-tool mounting



Optima Click

The right look

Designed to last

One-Step 3D adjustment

Safe rapid fixing

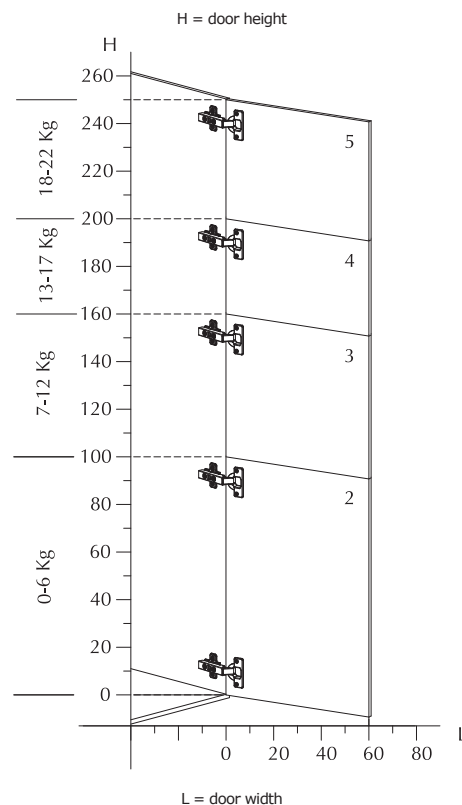
Genios Compatible

Option OneTouch

Complete system

The Optima Click hinge represents the premium offering in the FGV hinge program with improved, elegant & timeless design and some unique functional features. An aesthetic and functionally convincing hinge, with a straight and modern look, emphasized by the possibility of customization with a logo. All the adjustments are immediate, allowing to find the door's correct position in one step. Optima hinges are available with the whole array of cup-fixing solutions, including the no-tool Centra system. To keep the door movement under control and providing a silent closing Optima hinges are available in Genios configuration, and compatible with SlowMotion add-on damper solutions as well.

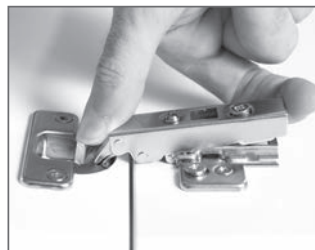
Optima Click



Mounting System



1 Place the front part of the hinge on the front side of the mounting plate.

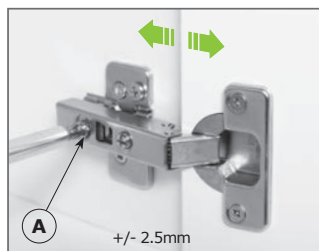


2 Rotate the arm of the hinge.

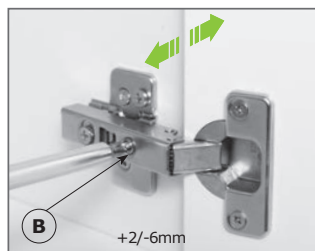


3 Press down the rear part of the hinge to Click on.

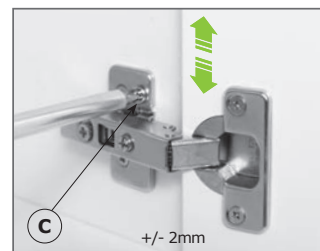
Adjusting System



Depth adjustment
Acting on the "A" screw it is possible to adjust the distance between the side of the cabinet and the door.









Independent side adjustment
Acting on the "B" screw it is possible to change the amount of the door covering on the side of the cabinet.






Vertical adjustment
Acting on the "C" screw of the mounting plate it is possible to adjust the door vertically.

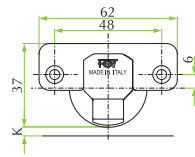
INDEX

OPENING 110°		Summary table	p. 22
		Product detail	p. 26
OPENING 125°		Summary table	p. 22
		Product detail	p. 28
OPENING 175°		Summary table	p. 22
		Product detail	p. 30
FOR THICK DOORS 95° Ø35		Summary table	p. 22
		Product detail	p. 32
FOR CORNER DOORS 110°		Summary table	p. 22
		Product detail	p. 34
FOR CORNER CABINET 90°		Summary table	p. 22
		Product detail	p. 36

SPECIAL SOLUTIONS

FOR DOORS WITH ALUMINIUM FRAME 105°		Summary table	p. 25
		Product detail	p. 38
FOR THICK DOORS 90° Ø40		Summary table	p. 25
		Product detail	p. 42
ZIP FIXING SYSTEM		Summary table	p. 25

Cup hole distance 48x6mm



OPENING 110°



Crank 0		p. 26	p. 26	p. 26	p. 26	p. 26	p. 26
Crank 8		p. 26	p. 26	p. 26	p. 26	p. 26	p. 26
Crank 15		p. 26	p. 26	p. 26	p. 26	p. 26	p. 26

OPENING 125°



Crank 0		p. 28	p. 28	p. 28	p. 28	p. 28	p. 28
Crank 8		p. 28	p. 28	p. 28	p. 28	p. 28	p. 28

OPENING 175°



Crank 0		p. 30	p. 30	p. 30	p. 30	p. 30	
Crank 8		p. 30	p. 30	p. 30	p. 30	p. 30	

FOR THICK DOORS OPENING 95° Ø35



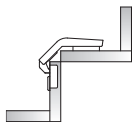
Crank 0		p. 32	p. 32	p. 32	p. 32		
Crank 8		p. 32	p. 32	p. 32	p. 32		
Crank 15		p. 32	p. 32	p. 32	p. 32		

FOR CORNER DOORS 110°



Angle 24°+30°		p. 34	p. 34	p. 34	p. 34	p. 34	p. 34
Angle 45°		p. 34	p. 34	p. 34	p. 34	p. 34	p. 34
Angle 90°		p. 34	p. 34	p. 34	p. 34	p. 34	p. 34

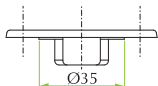
FOR CORNER CABINET



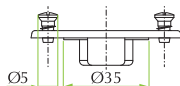
		p. 36	p. 36	p. 36	p. 36	p. 36	
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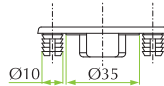
SELF-TAPPING SCREW



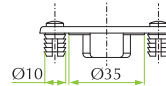
EURO SCREW



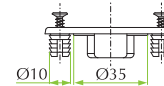
DOWEL



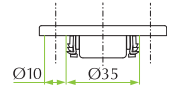
VELOFIX DOWEL



X-PANDO DOWEL

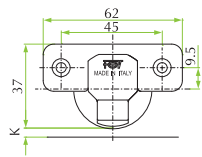


CENTRA



**Cup hole distance
45x9.5mm**

A



OPENING 110°



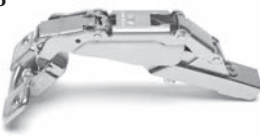
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Crank 8		p. 26	p. 26	p. 26	p. 26	p. 26	p. 26
Crank 15		p. 26	p. 26	p. 26	p. 26	p. 26	p. 26

OPENING 125°



Crank 0		p. 28	p. 28	p. 28	p. 28	p. 28	p. 28
Crank 8		p. 28	p. 28	p. 28	p. 28	p. 28	p. 28

OPENING 175°



Crank 0		p. 30	p. 30	p. 30	p. 30	p. 30	
Crank 8		p. 30	p. 30	p. 30	p. 30	p. 30	

**FOR THICK DOORS
OPENING 95° Ø35**



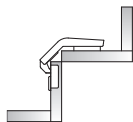
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Crank 8		p. 32	p. 32	p. 32	p. 32		
Crank 15		p. 32	p. 32	p. 32	p. 32		

FOR CORNER DOORS 110°



Angle 24°±30°		p. 34	p. 34	p. 34	p. 34	p. 34	p. 34
Angle 40°		p. 34	p. 34	p. 34	p. 34	p. 34	p. 34
Angle 90°		p. 34	p. 34	p. 34	p. 34	p. 34	p. 34

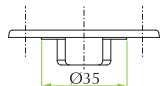
FOR CORNER CABINET



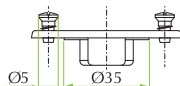
		p. 36	p. 36	p. 36	p. 36	p. 36	
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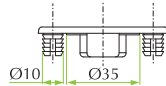
**SELFTAPPING
SCREW**



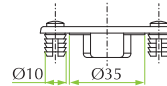
**EURO
SCREW**



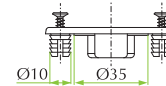
DOWEL



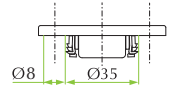
**VELOFIX
DOWEL**



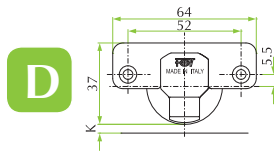
**X-PANDO
DOWEL**



CENTRA



**Cup hole distance
52x5.5mm**



OPENING 110°



Crank 0		p. 26	p. 26	p. 26	p. 26	p. 26
Crank 8		p. 26	p. 26	p. 26	p. 26	p. 26
Crank 15		p. 26	p. 26	p. 26	p. 26	p. 26

OPENING 125°



Crank 0		p. 28	p. 28	p. 28	p. 28	p. 28
Crank 8		p. 28	p. 28	p. 28	p. 28	p. 28

OPENING 175°



Crank 0		p. 30	p. 30	p. 30	p. 30	p. 30
Crank 8		p. 30	p. 30	p. 30	p. 30	p. 30

**FOR THICK DOORS
OPENING 95° Ø35**



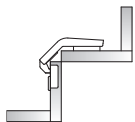
Crank 0		p. 32	p. 32	p. 32	p. 32	
Crank 8		p. 32	p. 32	p. 32	p. 32	
Crank 15		p. 32	p. 32	p. 32	p. 32	

FOR CORNER DOORS 110°



Angle 24°÷30°		p. 34	p. 34	p. 34	p. 34	p. 34
Angle 45°		p. 34	p. 34	p. 34	p. 34	p. 34
Angle 90°		p. 34	p. 34	p. 34	p. 34	p. 34

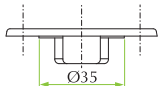
FOR CORNER CABINET



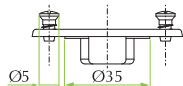
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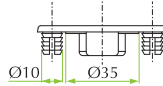
SELFTAPPING
SCREW



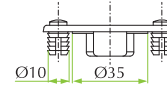
EURO
SCREW



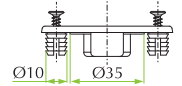
DOWEL



VELOFIX
DOWEL

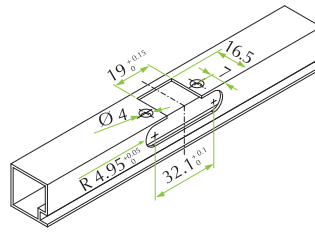


X-PANDO
DOWEL

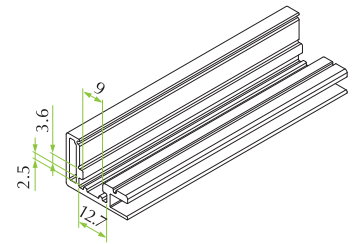


SPECIAL SOLUTIONS

GROOVED PROFILE



LOCK FIXING

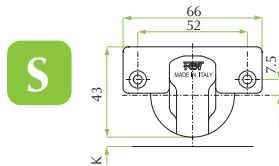


FOR DOORS WITH ALUMINIUM FRAME 105°

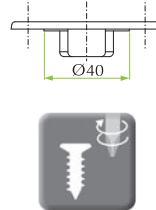


Crank 0		p. 38	p. 40
Crank 8		p. 38	p. 40
Crank 15		p. 38	p. 40

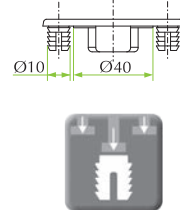
CUP HOLE DISTANCE 52x7.5mm



SELFTAPPING SCREW



DOWEL



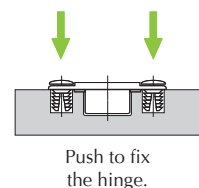
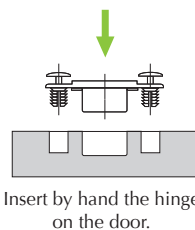
FOR THICK DOORS OPENING 90° Ø40



Crank 0		p. 42	p. 42
Crank 8		p. 42	p. 42
Crank 15		p. 44	p. 44
Crank 22		p. 44	p. 44

ZIP FIXING SYSTEM

The Zip dowels allow a no-tool mounting of the hinge.



The hinges with Zip fixing system are available on demand. Please contact the FGV Customer Service.

Optima Click 110°



Technical specifications:

- Depth of the metal cup 11.3mm
- Cup diameter 35mm
- Opening 110° with (K) max 4mm and (T) max 18mm
- Possibility of door drilling (K) from 3 to 7 mm
- Thickness of the door (T) from 16 to 26 mm
- Genios, SlowMotion Alfa and OneTouch solutions

CRANK 0



CRANK 8



CRANK 15



I
A
D

51.XSH5.05.00.0 ●
51.XSH5.05.00.C ●
51.XSH5.05.00.B ●

51.XSH5.05.08.0 ●
51.XSH5.05.08.C ●
51.XSH5.05.08.B ●

51.XSH5.05.15.0 ●
51.XSH5.05.15.C ●
51.XSH5.05.15.B ●

Available with premounted selftapping screws



I
A
D

51.XSH6.05.00.M ●
51.XSH6.05.00.N ●
51.XSH6.05.00.E ●

51.XSH6.05.08.M ●
51.XSH6.05.08.N ●
51.XSH6.05.08.E ●

51.XSH6.05.15.M ●
51.XSH6.05.15.N ●
51.XSH6.05.15.E ●



I
A
D

51.XSH6.05.00.* ●
51.XSH6.05.00.S ●
51.XSH6.05.00.B ●

51.XSH6.05.08.* ●
51.XSH6.05.08.S ●
51.XSH6.05.08.B ●

51.XSH6.05.15.* ●
51.XSH6.05.15.S ●
51.XSH6.05.15.B ●

* 0 = dowels Ø10mm / D = dowels Ø8mm



I
A
D

51.XSH8.05.00.V ●
51.XSH8.05.00.U ●
51.XSH8.05.00.Z ●

51.XSH8.05.08.V ●
51.XSH8.05.08.U ●
51.XSH8.05.08.Z ●

51.XSH8.05.15.V ●
51.XSH8.05.15.U ●
51.XSH8.05.15.Z ●



I
A
D

51.XSH9.05.00.0 ●
51.XSH9.05.00.S ●
51.XSH9.05.00.B ●

51.XSH9.05.08.0 ●
51.XSH9.05.08.S ●
51.XSH9.05.08.B ●

51.XSH9.05.15.0 ●
51.XSH9.05.15.S ●
51.XSH9.05.15.B ●



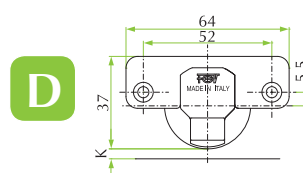
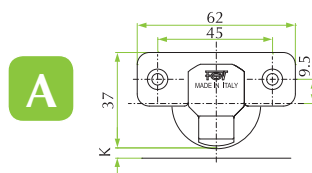
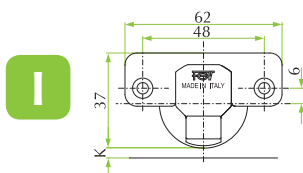
I
A

51.XSHC.05.00.0
51.XSHC.05.00.0

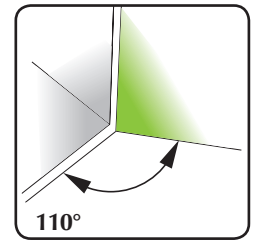
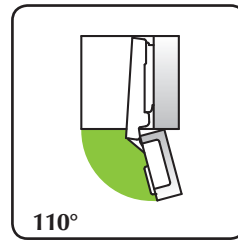
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51.XSHC.05.08.0

51.XSHC.05.15.0
51.XSHC.05.15.0

● = G / Genios Solution



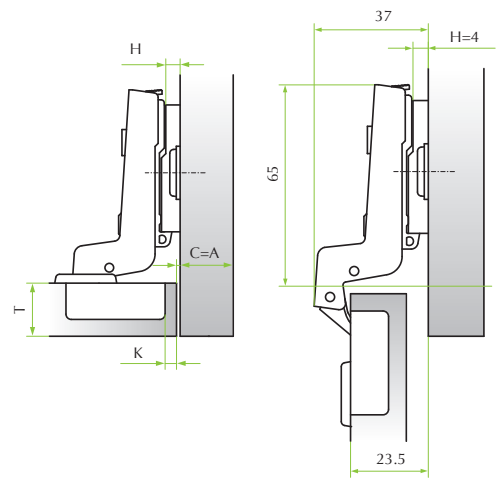
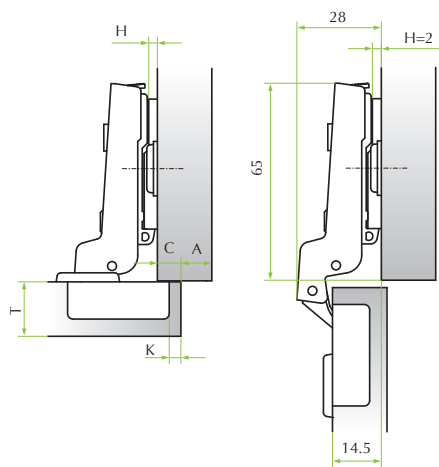
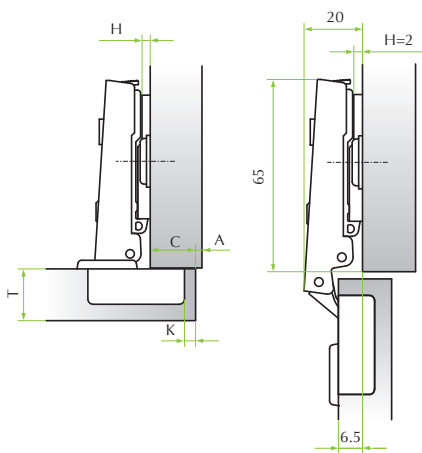
The mounting plates and fittings for this hinge series are shown from page 46 to page 59.



CRANK 0
For lay-on doors

CRANK 8
For partial lay-on doors

CRANK 15
For inset doors



		Drilling distance (K)						
		3	4	5	6	7		
Overlay (C)	19					2		
	18				2			
	17			2		4		
	16		2		4			
	15	2		4		6		
	14		4		6			
	13			6				
	12				6			
11	6							

Mounting plates (H)

		Drilling distance (K)						
		3	4	5	6	7		
Overlay (C)	11					2		
	10				2			
	9			2		4		
	8		2		4			
	7	2		4		6		
	6		4		6			
	5			6				
	4				6			
3	6							

Mounting plates (H)

		Drilling distance (K)						
		3	4	5	6	7		
Overlay (C)	0	2		4		6		
	1		4		6			
	2			6				
	3				6			
	4					6		

Mounting plates (H)

Table to determine the minimum distance A so that a door with T thickness can open without protrusion from the cabinet and without interfering with adjacent doors.

T=	A=	16	17	18	19	20	21	22	23	24	25	26
K=3	A=	0.55	0.75	1.10	1.45	1.80	2.40	3.10	3.90	4.70	6.70	6.50
K=4	A=	0.55	0.70	1.05	1.40	1.75	2.25	2.85	3.60	4.35	5.75	6.00
K=5	A=	0.53	0.70	1.00	1.35	1.65	2.10	2.65	3.30	4.00	4.75	5.55
K=6	A=	0.50	0.70	0.95	1.25	1.60	2.00	2.50	3.05	3.70	4.40	5.20
K=7	A=	0.50	0.65	0.85	1.20	1.55	1.90	2.35	2.85	3.45	4.10	4.80

Optima Click 125°



Technical specifications:

- Depth of the metal cup 11.3mm
- Cup diameter 35mm
- Opening 125° with (K) max 4mm and (T) max 18mm
- Possibility of door drilling (K) from 3 to 5 mm
- Thickness of the door (T) from 16 a 26 mm
- OneTouch solutions

CRANK 0



CRANK 8



I
A
D

51.XKH5.M5.00.0

51.XKH5.M5.00.C

51.XKH5.M5.00.B

Available with premounted selftapping screws

51.XKH5.M5.08.0

51.XKH5.M5.08.C

51.XKH5.M5.08.B



I
A
D

51.XKH6.M5.00.M

51.XKH6.M5.00.N

51.XKH6.M5.00.E

51.XKH6.M5.08.M

51.XKH6.M5.08.N

51.XKH6.M5.08.E



I
A
D

51.XKH6.M5.00.*

51.XKH6.M5.00.S

51.XKH6.M5.00.B

* 0 = dowels Ø10mm / D = dowels Ø8mm

51.XKH6.M5.08.*

51.XKH6.M5.08.S

51.XKH6.M5.08.B



I
A
D

51.XKH8.M5.00.V

51.XKH8.M5.00.U

51.XKH8.M5.00.Z

51.XKH8.M5.08.V

51.XKH8.M5.08.U

51.XKH8.M5.08.Z



I
A
D

51.XKH9.M5.00.0

51.XKH9.M5.00.S

51.XKH9.M5.00.B

51.XKH9.M5.08.0

51.XKH9.M5.08.S

51.XKH9.M5.08.B



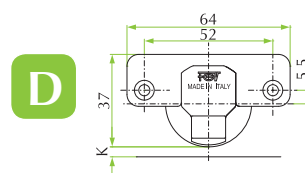
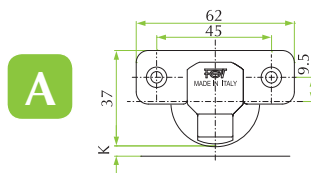
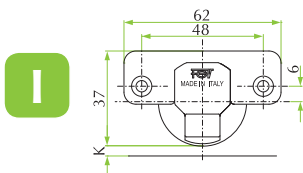
I
A

51.XKHC.05.00.0

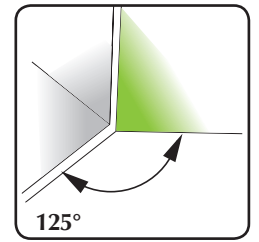
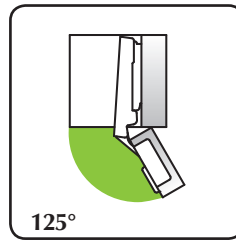
51.XKHC.05.00.0

51.XKHC.05.08.0

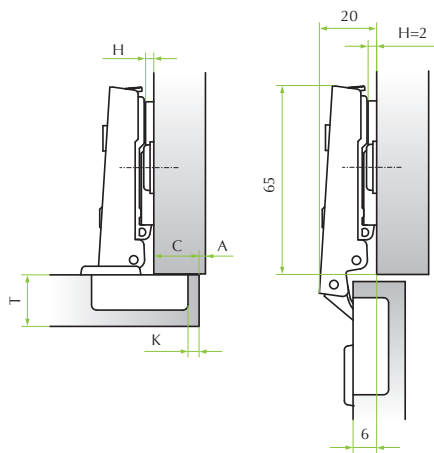
51.XKHC.05.08.0



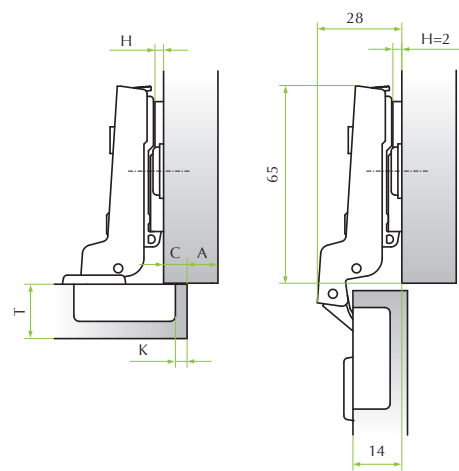
The mounting plates and fittings for this hinge series are shown from page 46 to page 59.



CRANK 0
For lay-on doors



CRANK 8
For partial lay-on doors



		Drilling distance (K)						
		3	4	5	6	7		
Overlay (C)	19					2		
	18				2			
	17			2		4		
	16		2		4			
	15	2		4		6		
	14		4		6			
	13	4		6				
	12		6					
11	6						Mounting plates (H)	

		Drilling distance (K)				
		3	4	5	6	7
Overlay (C)	11					2
	10				2	
	9			2		4
	8		2		4	
	7	2		4		6
	6		4		6	
	5	4		6		
	4		6			
3	6					Mounting plates (H)

Table to determinate the minimum distance **A** so that a door with **T** thickness can open without protrusion from the cabinet and without interfering with adjacent doors.

T=	16	17	18	19	20	21	22	23	24	25	26
K=3 A=	0.90	1.40	1.90	2.40	3.00	3.60	4.25	4.90	5.55	6.20	6.80
K=4 A=	0.85	1.25	1.75	2.25	2.75	3.35	4.00	4.65	5.30	5.95	6.60
K=5 A=	0.80	1.10	1.60	2.10	2.55	3.15	3.75	4.45	5.05	5.70	6.35

Optima Click 175°



Technical specifications:

- Depth of the metal cup 11.3mm
- Cup diameter 35mm
- Opening 175°
- Possibility of door drilling (K) from 3 to 7 mm
- Thickness of the door (T) from 16 to 26 mm
- SlowMotion Delta add-on damper solutions

CRANK 0



CRANK 8



I
A
D

51.XWH5.M5.00.0

51.XWH5.M5.00.C

51.XWH5.M5.00.B

Available with premounted selftapping screws

51.XWH5.M5.08.0

51.XWH5.M5.08.C

51.XWH5.M5.08.B



I
A
D

51.XWH6.M5.00.M

51.XWH6.M5.00.N

51.XWH6.M5.00.E

51.XWH6.M5.08.M

51.XWH6.M5.08.N

51.XWH6.M5.08.E



I
A
D

51.XWH6.M5.00.*

51.XWH6.M5.00.S

51.XWH6.M5.00.B

* 0 = dowels Ø10mm / D = dowels Ø8mm

51.XWH6.M5.08.*

51.XWH6.M5.08.S

51.XWH6.M5.08.B



I
A
D

51.XWH8.M5.00.V

51.XWH8.M5.00.U

51.XWH8.M5.00.Z

51.XWH8.M5.08.V

51.XWH8.M5.08.U

51.XWH8.M5.08.Z



I
A
D

51.XWH9.M5.00.0

51.XWH9.M5.00.S

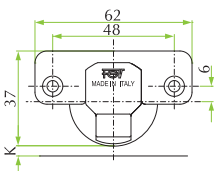
51.XWH9.M5.00.B

51.XWH9.M5.08.0

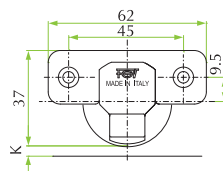
51.XWH9.M5.08.S

51.XWH9.M5.08.B

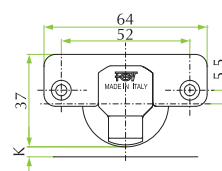
I



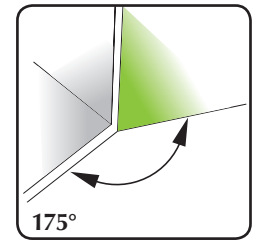
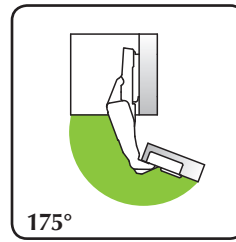
A



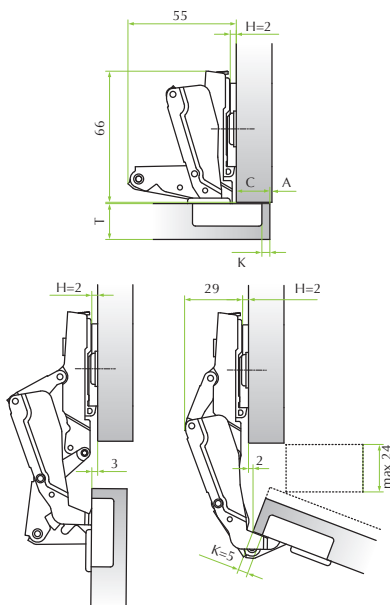
D



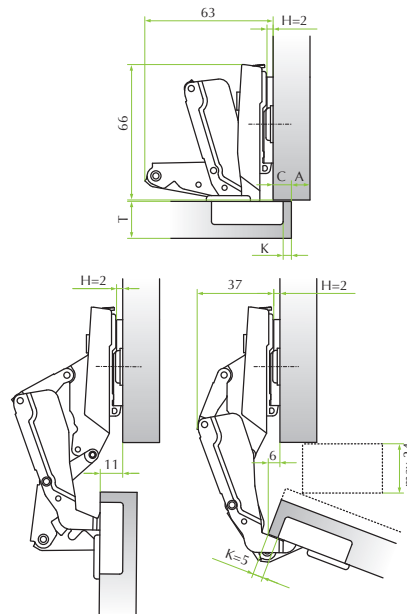
The mounting plates and fittings for this hinge series are shown from page 46 to page 59.



CRANK 0
For lay-on doors



CRANK 8
For partial lay-on doors



		Drilling distance (K)						
		3	4	5	6	7		
Overlay (C)	19					2		
	18				2			
	17			2		4		
	16		2		4			
	15	2		4		6		
	14		4		6			
	13		4		6			
	12		6					
	11	6						Mounting plates (H)

		Drilling distance (K)						
		3	4	5	6	7		
Overlay (C)	11					2		
	10				2			
	9			2		4		
	8		2		4			
	7	2		4		6		
	6		4		6			
	5		4		6			
	4		6					
	3	6						Mounting plates (H)

Table to determine the minimum distance **A** so that a door with **T** thickness can open without protrusion from the cabinet and without interfering with adjacent doors.

T=	16	17	18	19	20	21	22	23	24	25	26
K=3 A=	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.55	6.80	8.10	13.55
K=4 A=	0.00	0.00	0.00	0.00	0.00	0.05	0.30	3.50	5.85	7.25	12.55
K=5 A=	0.00	0.00	0.00	0.00	0.00	0.05	0.30	3.55	4.90	6.25	11.55
K=6 A=	0.00	0.00	0.00	0.00	0.00	0.05	0.40	3.00	3.90	5.25	10.55
K=7 A=	0.00	0.00	0.00	0.00	0.00	0.05	1.20	2.20	3.15	4.25	9.55

Optima Click 95° Ø35 for thick doors



Technical specifications:

- Depth of the metal cup 12.3mm
- Cup diameter 35mm
- Opening 95°
- Possibility of door drilling (K) from 3 to 7 mm
- Thickness of the door (T) from 16 to 30 mm
- Available only Genios solutions

CRANK 0



CRANK 8



CRANK 15



I
A
D

51.XZH5.05.00.0 ●
51.XZH5.05.00.C ●
51.XZH5.05.00.B ●

51.XZH5.05.08.0 ●
51.XZH5.05.08.C ●
51.XZH5.05.08.B ●

51.XZH5.05.15.0 ●
51.XZH5.05.15.C ●
51.XZH5.05.15.B ●

— Available with premounted selftapping screws —



I
A
D

51.XZH6.05.00.M ●
51.XZH6.05.00.N ●
51.XZH6.05.00.E ●

51.XZH6.05.08.M ●
51.XZH6.05.08.N ●
51.XZH6.05.08.E ●

51.XZH6.05.15.M ●
51.XZH6.05.15.N ●
51.XZH6.05.15.E ●



I
A
D

51.XZH6.05.00.* ●
51.XZH6.05.00.S ●
51.XZH6.05.00.B ●

51.XZH6.05.08.* ●
51.XZH6.05.08.S ●
51.XZH6.05.08.B ●

51.XZH6.05.15.* ●
51.XZH6.05.15.S ●
51.XZH6.05.15.B ●

* 0 = dowels Ø10mm / D = dowels Ø8mm



I
A
D

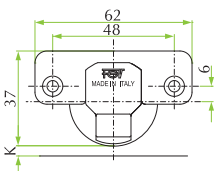
51.XZH8.05.00.V ●
51.XZH8.05.00.U ●
51.XZH8.05.00.Z ●

51.XZH8.05.08.V ●
51.XZH8.05.08.U ●
51.XZH8.05.08.Z ●

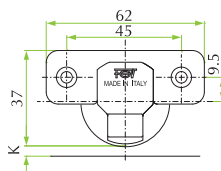
51.XZH8.05.15.V ●
51.XZH8.05.15.U ●
51.XZH8.05.15.Z ●

● = G / Genios Solution

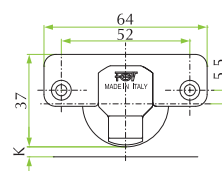
I



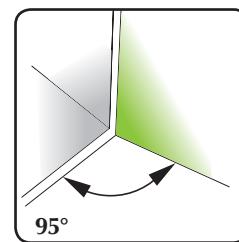
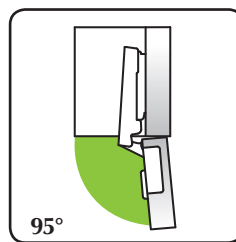
A



D



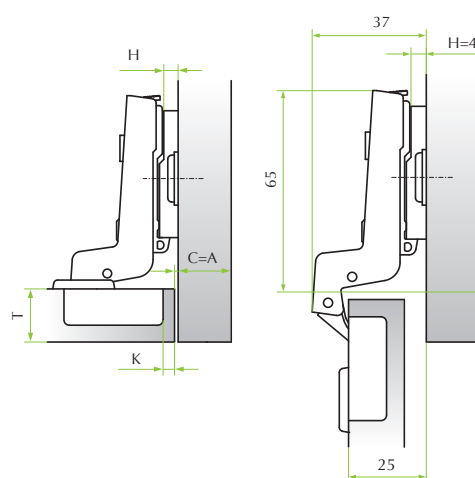
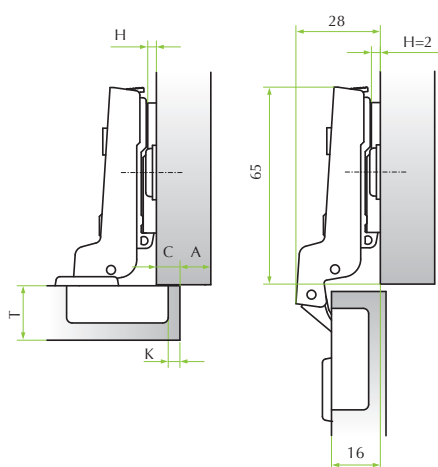
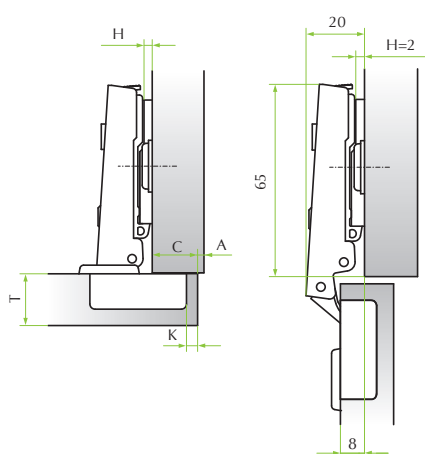
The mounting plates and fittings for this hinge series are shown from page 46 to page 59.



CRANK 0
For lay-on doors

CRANK 8
For partial lay-on doors

CRANK 15
For inset doors



		Drilling distance (K)						
		3	4	5	6	7		
Overlay (C)	19			0	2			
	18		0	2				
	17	0	2	4				
	16	2	4					
	15	4	6					
	14	6						
	13	8						
	12	10						
	11	12						
		Mounting plates (H)						

		Drilling distance (K)						
		3	4	5	6	7		
Overlay (C)	11			0	2			
	10		0	2				
	9	0	2	4				
	8	2	4					
	7	4	6					
	6	6						
	5	8						
	4	10						
	3	12						
		Mounting plates (H)						

		Drilling distance (K)						
		3	4	5	6	7		
Overlay (C)	0	2	4	6				
	1	4	6					
	2	6						
	3	8						
	4	10						
		Mounting plates (H)						

Table to determine the minimum distance A so that a door with T thickness can open without protrusion from the cabinet and without interfering with adjacent doors.

T=	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
K=3 A=	0.00	0.15	0.35	0.50	0.70	0.85	1.15	1.65	2.55	3.40	4.30	5.20	6.15	7.10	8.00
K=4 A=	0.00	0.15	0.30	0.50	0.65	0.85	1.10	1.40	2.10	2.90	3.80	4.65	5.50	6.45	7.40
K=5 A=	0.00	0.15	0.30	0.50	0.65	0.80	1.00	1.35	1.75	2.50	3.30	4.15	5.00	5.90	6.75
K=6 A=	0.00	0.10	0.30	0.45	0.65	0.80	1.00	1.30	1.65	2.15	2.90	3.65	4.50	5.40	6.05
K=7 A=	0.00	0.10	0.30	0.45	0.60	0.80	0.95	1.25	1.60	1.90	2.55	3.30	4.05	4.90	5.75

Optima Click 110° for corner doors



Technical specifications:

- Depth of the metal cup 11.3mm
- Cup diameter 35mm
- Opening 110°
- Possibility of door drilling (K) from 3 to 7 mm
- Thickness of the door (T) from 16 to 26 mm
- Genios and OneTouch solutions

ANGLE 24°÷30°



ANGLE 45°



ANGLE 90°



I
A
D

51.XH85.05.30.0 ●
51.XH85.05.30.C ●
51.XH85.05.30.B ●

51.XH85.05.45.0 ●
51.XH85.05.45.C ●
51.XH85.05.45.B ●

51.XH85.M5.90.0 ●
51.XH85.M5.90.C ●
51.XH85.M5.90.B ●

Available with premounted selftapping screws



I
A
D

51.XH86.05.30.M ●
51.XH86.05.30.N ●
51.XH86.05.30.E ●

51.XH86.05.45.M ●
51.XH86.05.45.N ●
51.XH86.05.45.E ●

51.XH86.M5.90.M ●
51.XH86.M5.90.N ●
51.XH86.M5.90.E ●



I
A
D

51.XH86.05.30.* ●
51.XH86.05.30.S ●
51.XH86.05.30.B ●

51.XH86.05.45.* ●
51.XH86.05.45.S ●
51.XH86.05.45.B ●

51.XH86.M5.90.* ●
51.XH86.M5.90.S ●
51.XH86.M5.90.B ●

* 0 = dowels Ø10mm / D = dowels Ø8mm



I
A
D

51.XH88.05.30.V ●
51.XH88.05.30.U ●
51.XH88.05.30.Z ●

51.XH88.05.45.V ●
51.XH88.05.45.U ●
51.XH88.05.45.Z ●

51.XH88.M5.90.V ●
51.XH88.M5.90.U ●
51.XH88.M5.90.Z ●



I
A
D

51.XH89.05.30.0 ●
51.XH89.05.30.S ●
51.XH89.05.30.B ●

51.XH89.05.45.0 ●
51.XH89.05.45.S ●
51.XH89.05.45.B ●

51.XH89.M5.90.0 ●
51.XH89.M5.90.S ●
51.XH89.M5.90.B ●



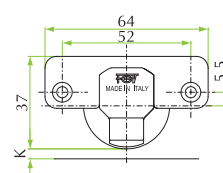
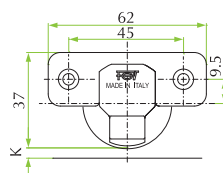
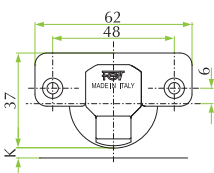
I
A

51.XH8C.05.30.0
51.XH8C.05.30.0

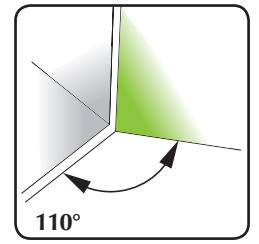
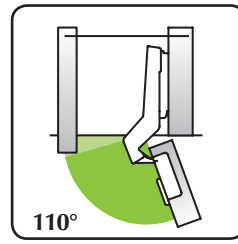
51.XH8C.05.45.0
51.XH8C.05.45.0

51.XH8C.M5.90.0
51.XH8C.M5.90.0

● = G / Genios Solution



The mounting plates and fittings for this hinge series are shown on page 46 to page 59.



ANGLE 24°±30°

ANGLE 45°

ANGLE 90°

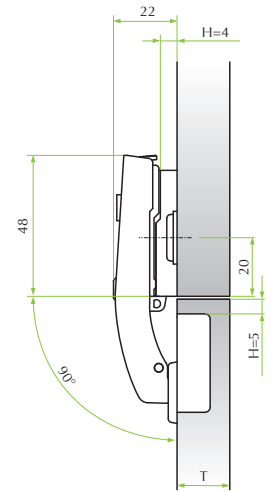
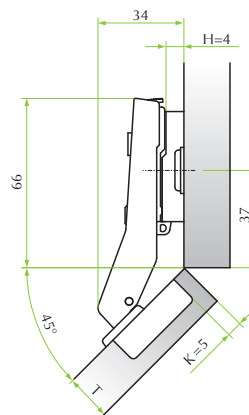
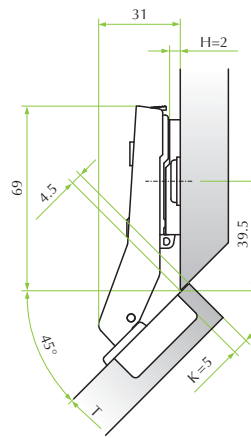
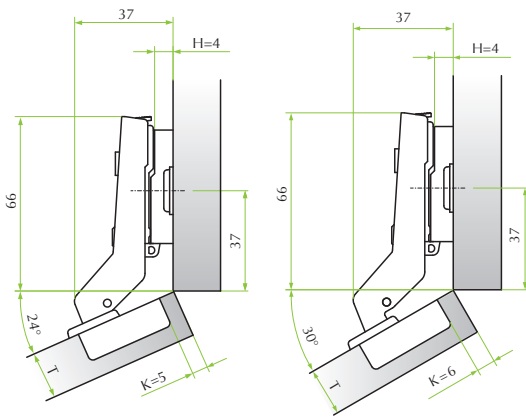


Table to determinate the minimum distance **A** so that a door with **T** thickness can open without protrusion from the cabinet and without interfering with adjacent doors.

T=	16	17	18	19	20	21	22	23	24	25	26
K=3 A=	0.55	0.75	1.10	1.45	1.80	2.40	3.10	3.90	4.70	6.70	6.50
K=4 A=	0.55	0.70	1.05	1.40	1.75	2.25	2.85	3.60	4.35	5.75	6.00
K=5 A=	0.53	0.70	1.00	1.35	1.65	2.10	2.65	3.30	4.00	4.75	5.55
K=6 A=	0.50	0.70	0.95	1.25	1.60	2.00	2.50	3.05	3.70	4.40	5.20
K=7 A=	0.50	0.65	0.85	1.20	1.55	1.90	2.35	2.85	3.45	4.10	4.80

Optima Click for corner cabinet



Technical specifications:

- Depth of the metal cup 11.3mm
- Cup diameter 35mm
- Opening 110° with (K) max 4mm e (T) max 18mm
- Possibility of door drilling (K) from 3 to 7 mm
- Thickness of the door (T) from 16 to 26 mm



I
A
D

51.XH83.05.35.0
51.XH83.05.35.C
51.XH83.05.35.B

Available with premounted selftapping screws



I
A
D

51.XH84.05.35.M
51.XH84.05.35.N
51.XH84.05.35.E



I
A
D

51.XH84.05.35.*
51.XH84.05.35.S
51.XH84.05.35.B

* 0 = dowels Ø10mm / D = dowels Ø8mm



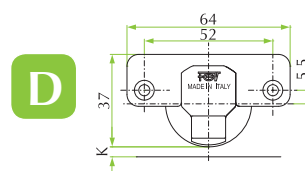
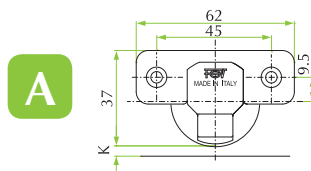
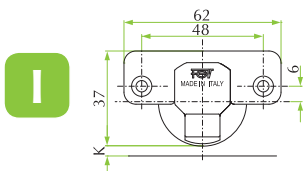
I
A
D

51.XH88.05.35.V
51.XH88.05.35.U
51.XH88.05.35.Z

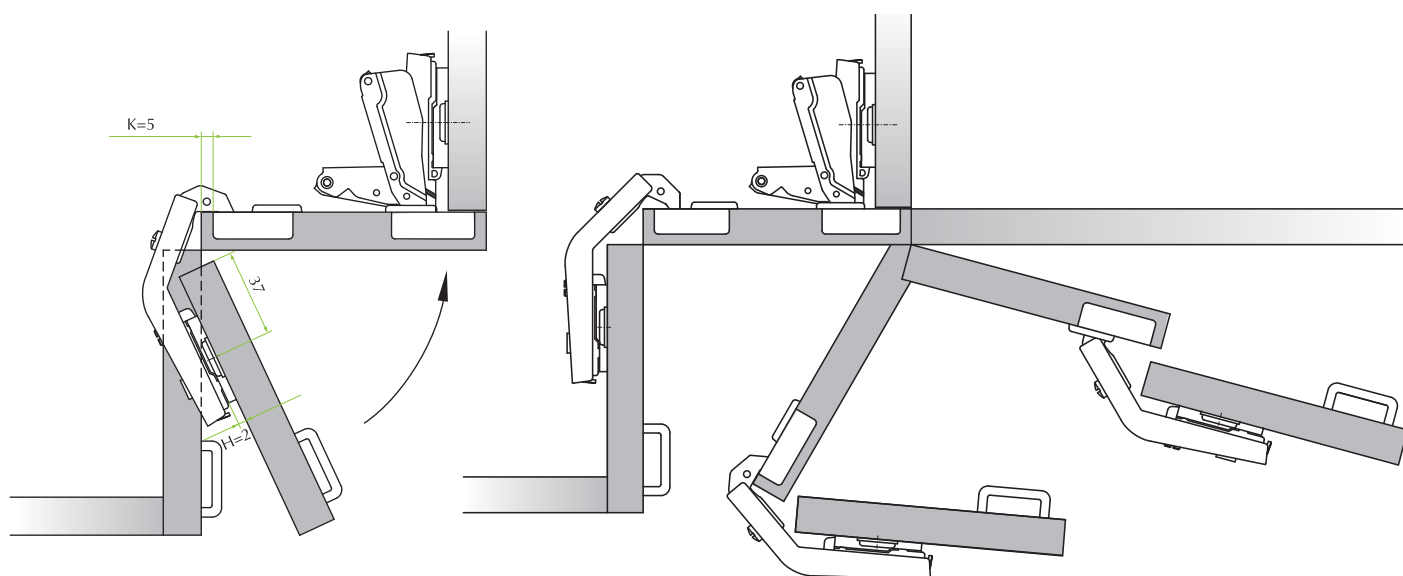
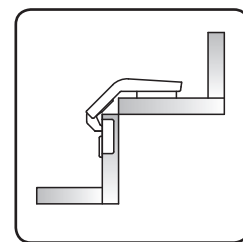


I
A
D

51.XH89.05.35.0
51.XH89.05.35.S
51.XH89.05.35.B



The mounting plates and fittings for this hinge series are shown from page 46 to page 59.



Optima Click 105° for doors with aluminium frame



Technical specifications:

- Depth of the zamak cup 9.9mm
- Cup drilling 28x7mm
- Opening 105°
- Aluminium frame from min. 19 to max 25 mm
- OneTouch solutions

FISSAGGIO PER PROFILO FRESATO

CRANK 0



51.XS91.05.00.0

CRANK 8



51.XS91.05.08.0

CRANK 15

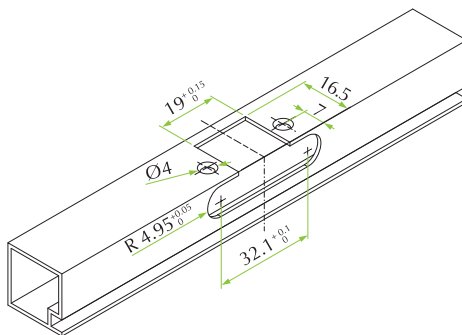


51.XS91.05.15.0

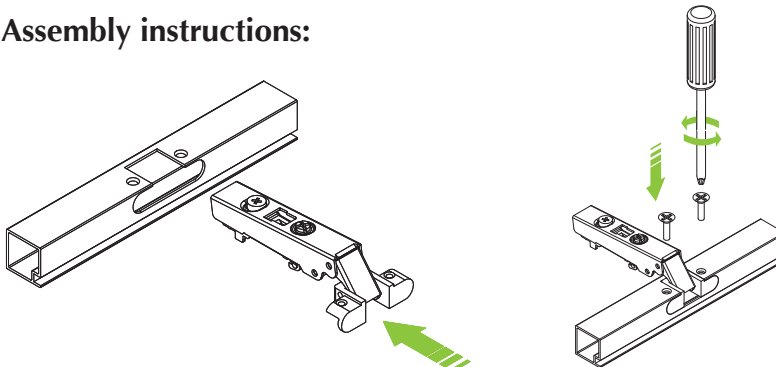
● = G / Genios Solution

Design of profile machining:

The two laterals drillings are $\varnothing 4$ mm and are countersunk with 120°. Screws 3.5x12 supplied on demand under code 1A05512105000.



Assembly instructions:



The mounting plates and fittings for this hinge series are shown from page 46 to page 59.

Optima Click 105° for doors with aluminium frame



Technical specifications:

- Depth of the zamak cup 9.9mm
- Opening 105°
- Aluminium frame from min. 19 to max 25 mm

LOCK FIXING

CRANK 0



51.XS81.05.00.0

CRANK 8



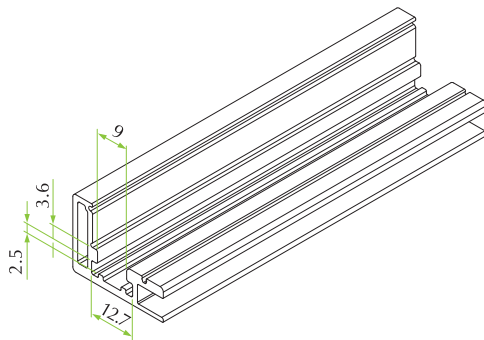
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CRANK 15

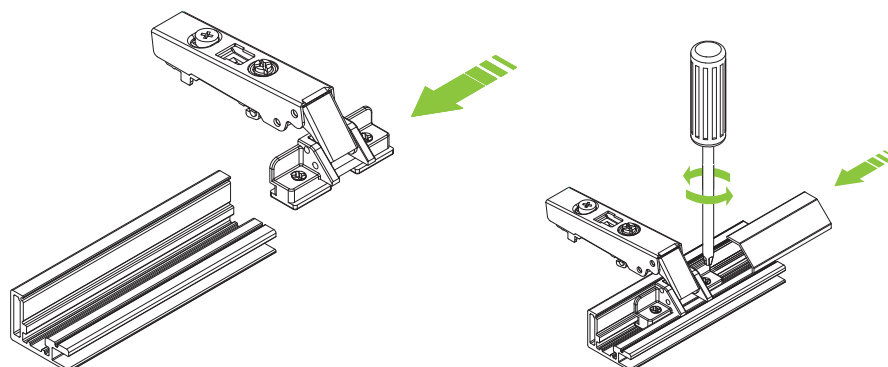


51.XS81.05.15.0

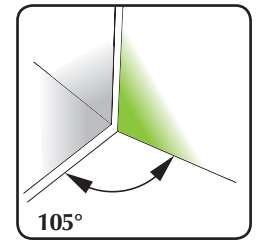
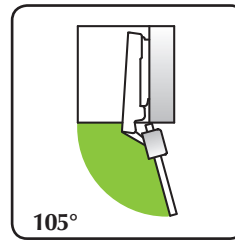
Aluminium frame:



Assembly instructions:



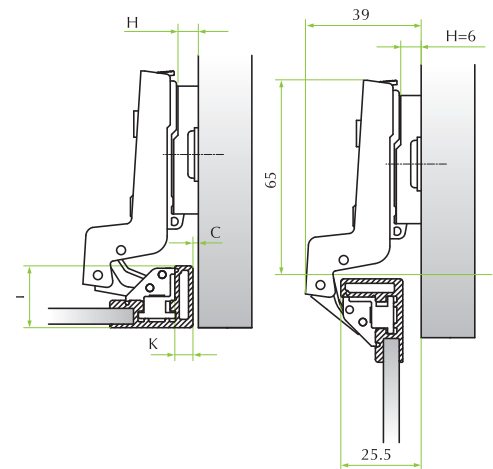
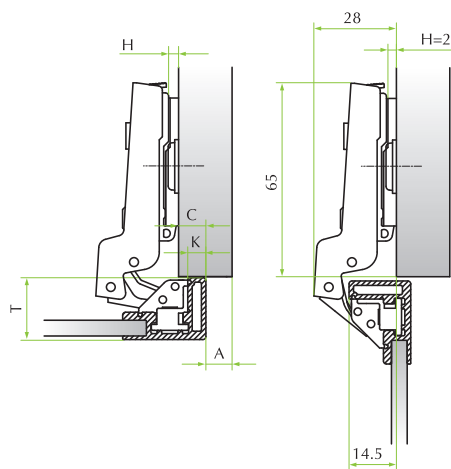
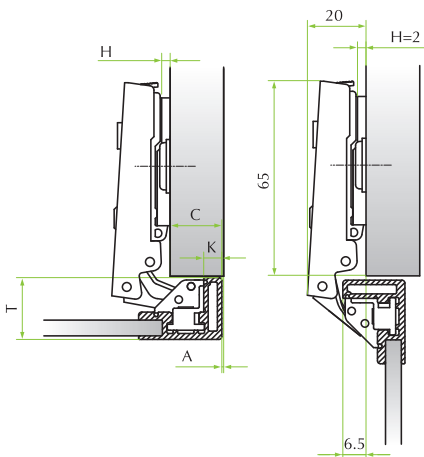
The mounting plates and fittings for this hinge series are shown from page 46 to page 59.



CRANK 0
For lay-on doors

CRANK 8
For partial lay-on doors

CRANK 15
For inset doors



		Drilling distance (K)						
		3	4	5	6	7		
Overlay (C)	19					2		
	18				2			
	17			2		4		
	16		2		4			
	15	2		4		6		
	14		4		6			
	13			4		6		
	12				6			
11		6						Mounting plates (H)

		Drilling distance (K)						
		3	4	5	6	7		
Overlay (C)	11					2		
	10				2			
	9			2		4		
	8		2		4			
	7	2		4		6		
	6		4		6			
	5			4		6		
	4				6			
3		6						Mounting plates (H)

		Drilling distance (K)						
		3	4	5	6	7		
Overlay (C)	0	2		4		6		
	1		4		6			
	2			4		6		
	3				4		6	
	4					4		6
								Mounting plates (H)

Table to determine the minimum distance A so that a door with T thickness can open without protrusion from the cabinet and without interfering with adjacent doors.

T=	16	17	18	19	20	21	22	23	24	25	26
K=3 A=	0.55	0.75	1.10	1.45	1.80	2.40	3.10	3.90	4.70	6.70	6.50
K=4 A=	0.55	0.70	1.05	1.40	1.75	2.25	2.85	3.60	4.35	5.75	6.00
K=5 A=	0.53	0.70	1.00	1.35	1.65	2.10	2.65	3.30	4.00	4.75	5.55
K=6 A=	0.50	0.70	0.95	1.25	1.60	2.00	2.50	3.05	3.70	4.40	5.20
K=7 A=	0.50	0.65	0.85	1.20	1.55	1.90	2.35	2.85	3.45	4.10	4.80

Optima Click 90° Ø40 for thick doors



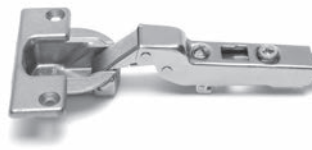
Technical specifications:

- Depth of the metal cup 12.8mm
- Cup diameter 40mm
- Opening 90°
- Possibility of door drilling (K) from 3 to 15 mm
- Thickness of the door (T) from 16 to 40 mm
- OneTouch solutions

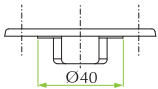
CRANK 0



CRANK 8



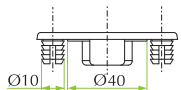
CRANKS 15, 22 TO PAGE 44 >>>



S

51.XH45.05.00.0

51.XH45.05.08.0



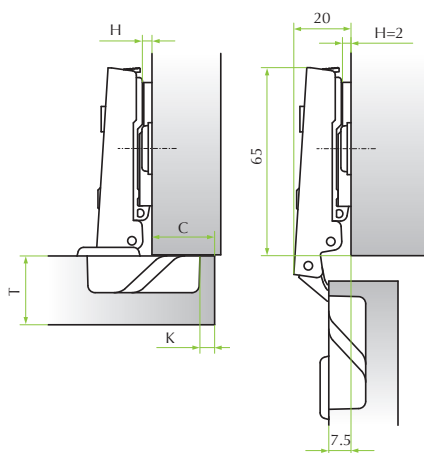
S

51.XH46.05.00.0

51.XH46.05.08.0

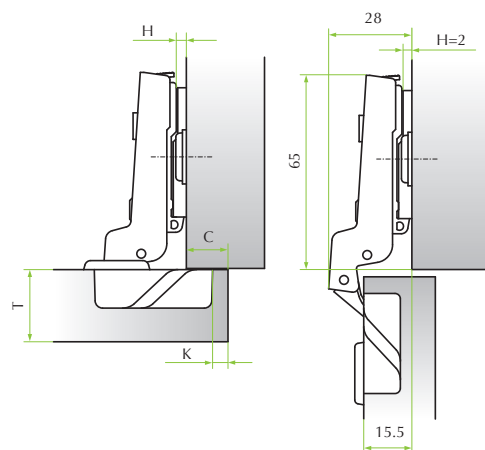
CRANK 0

For lay-on doors

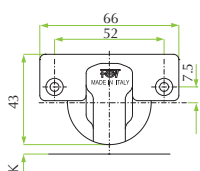


CRANK 8

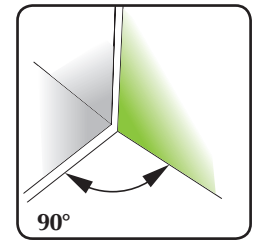
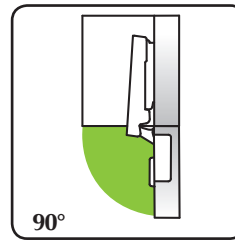
For partial lay-on doors



CUP HOLE DISTANCE 52x7.5mm



The mounting plates and fittings for this hinge series are shown from page 46 to page 59.



CRANK 0
For lay-on doors

		Drilling distance (K)													
		4	5	6	7	8	9	10	11	12	13	14	15		
Overlay (C)	32										0		2		
	31									0		2			
	30								0		2		4		
	29							0		2		4			
	28					0		2		4		6			
	27				0		2		4		6				
	26			0		2		4		6					
	25		0		2		4		6						
	24	0		2		4		6							
	23	0	2		4		6								
	22	2		4		6									
	21	2	4		6										
	20	4		6											
	19	4	6												
	18	6													
17	6														
Mounting plates (H)															

CRANK 8
For partial lay-on doors

		Drilling distance (K)													
		4	5	6	7	8	9	10	11	12	13	14	15		
Overlay (C)	24										0		2		
	23									0		2		4	
	22								0		2		4		
	21							0		2		4			
	20					0		2		4		6			
	19				0		2		4		6				
	18			0		2		4		6					
	17		0		2		4		6						
	16	0		2		4		6							
	15	0	2		4		6								
	14	2		4		6									
	13	2	4		6										
	12	4		6											
	11	4	6												
	10	6													
9	6														
Mounting plates (H)															

Table to determinate the minimum distance **A** so that a door with **T** thickness can open without protrusion from the cabinet and without interfering with adjacent doors.

T=	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
K=3 A=	0.20	0.35	0.55	0.70	0.90	1.05	1.25	1.40	1.60	2.25	3.20	4.15	5.05	6.05	7.00	8.00	9.00	9.95	10.95	11.95	12.95
K=4 A=	0.20	0.35	0.50	0.70	0.85	1.05	1.20	1.40	1.55	1.75	2.55	3.45	4.40	5.35	6.30	7.25	8.15	9.15	10.15	11.10	12.10
K=5 A=	0.15	0.35	0.50	0.70	0.85	1.05	1.20	1.40	1.55	1.70	2.05	2.80	3.75	4.70	5.65	6.55	7.50	8.45	9.40	10.35	11.25
K=6 A=	0.15	0.30	0.50	0.65	0.85	1.00	1.20	1.35	1.55	1.70	2.00	2.30	3.10	4.05	4.95	5.90	6.85	7.80	8.75	9.65	10.60
K=7 A=	0.15	0.30	0.50	0.65	0.85	1.00	1.15	1.35	1.50	1.70	1.90	2.25	2.60	3.50	4.35	5.25	6.20	7.15	8.05	9.00	9.95
K=8 A=	0.10	0.30	0.45	0.65	0.80	1.00	1.15	1.35	1.50	1.70	1.85	2.20	2.55	3.00	3.85	4.70	5.60	6.50	7.40	8.35	9.30
K=9 A=	0.10	0.25	0.45	0.60	0.80	0.95	1.15	1.30	1.50	1.65	1.85	2.15	2.50	2.80	3.35	4.20	5.10	5.95	6.80	7.70	8.65
K=10 A=	0.10	0.25	0.45	0.60	0.80	0.95	1.15	1.30	1.50	1.65	1.85	2.10	2.40	2.75	3.10	3.70	4.60	5.45	6.30	7.20	8.05
K=11 A=	0.05	0.25	0.40	0.60	0.75	0.95	1.10	1.30	1.45	1.60	1.80	2.00	2.35	2.70	3.05	3.40	4.10	4.95	5.80	6.70	7.55
K=12 A=	0.05	0.25	0.40	0.60	0.75	0.90	1.10	1.25	1.45	1.60	1.80	1.95	2.30	2.65	3.00	3.35	3.75	4.50	5.30	6.20	7.05
K=13 A=	0.05	0.20	0.40	0.55	0.75	0.90	1.10	1.25	1.45	1.60	1.80	1.95	2.25	2.60	2.90	3.25	3.60	4.15	4.90	5.70	6.55
K=14* A=	0.05	0.20	0.40	0.55	0.70	0.90	1.05	1.25	1.40	1.60	1.75	1.95	2.10	2.50	2.85	3.20	3.55	3.90	4.55	5.35	6.05
K=15* A=	0.00	0.20	0.35	0.55	0.70	0.90	1.05	1.25	1.40	1.55	1.75	1.90	2.10	2.45	2.80	3.15	3.50	3.85	4.25	4.95	5.75

* L= 0,77 • L= 1,76

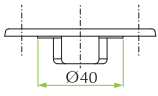
Optima Click 90° Ø40 for thick doors



<<< CRANK 0, 8
TO PAGE 42

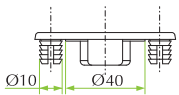
CRANK 15

CRANK 22



51.XH45.05.15.0

51.XH45.05.22.0

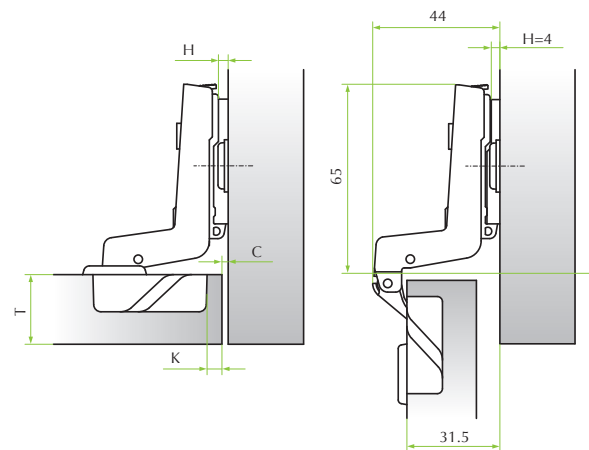
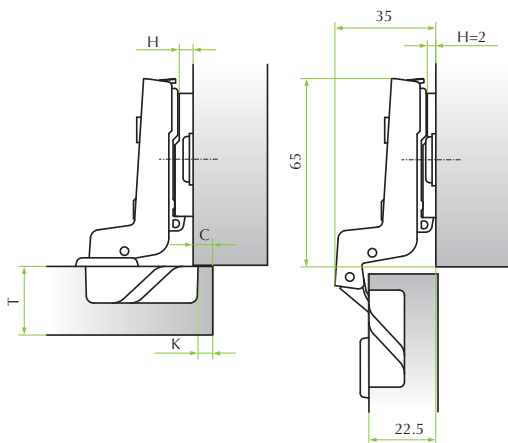


51.XH46.05.15.0

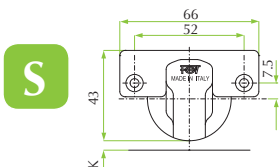
51.XH46.05.22.0

CRANK 15
For partial lay-on doors

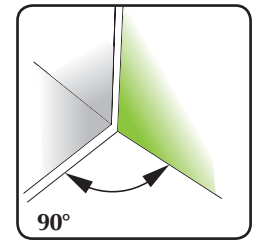
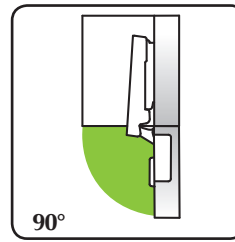
CRANK 22
For inset doors



CUP HOLE DISTANCE 52x7.5mm



The mounting plates and fittings for this hinge series are shown from page 46 to page 59.



CRANK 15
For partial lay-on doors

		Drilling distance (K)															
		4	5	6	7	8	9	10	11	12	13	14	15				
Overlay (C)	17										0	2					
	16									0	2						
	15								0	2	4						
	14							0	2	4	6						
	13					0	2	4	6								
	12				0	2	4	6									
	11			0	2	4	6										
	10		0	2	4	6											
	9	0	2	4	6												
	8	0	2	4	6												
	7	2	4	6													
	6	2	4	6													
	5	4	6														
	4	4	6														
	3	6															
2	6																
															Mounting plates (H)		

CRANK 22
For inset doors

		Drilling distance (K)															
		4	5	6	7	8	9	10	11	12							
Overlay (C)	0		2	4	6												
	1	2	4	6													
	2	4	6														
	3	4	6														
	4	6															
	5	6															
	6																
	7																
															Mounting plates (H)		

Table to determinate the minimum distance **A** so that a door with **T** thickness can open without protrusion from the cabinet and without interfering with adjacent doors.

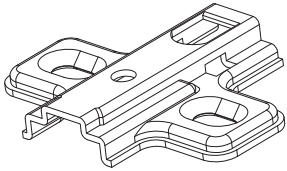
T=	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
K=3 A=	0.20	0.35	0.55	0.70	0.90	1.05	1.25	1.40	1.60	2.25	3.20	4.15	5.05	6.05	7.00	8.00	9.00	9.95	10.95	11.95	12.95
K=4 A=	0.20	0.35	0.50	0.70	0.85	1.05	1.20	1.40	1.55	1.75	2.55	3.45	4.40	5.35	6.30	7.25	8.15	9.15	10.15	11.10	12.10
K=5 A=	0.15	0.35	0.50	0.70	0.85	1.05	1.20	1.40	1.55	1.70	2.05	2.80	3.75	4.70	5.65	6.55	7.50	8.45	9.40	10.35	11.25
K=6 A=	0.15	0.30	0.50	0.65	0.85	1.00	1.20	1.35	1.55	1.70	2.00	2.30	3.10	4.05	4.95	5.90	6.85	7.80	8.75	9.65	10.60
K=7 A=	0.15	0.30	0.50	0.65	0.85	1.00	1.15	1.35	1.50	1.70	1.90	2.25	2.60	3.50	4.35	5.25	6.20	7.15	8.05	9.00	9.95
K=8 A=	0.10	0.30	0.45	0.65	0.80	1.00	1.15	1.35	1.50	1.70	1.85	2.20	2.55	3.00	3.85	4.70	5.60	6.50	7.40	8.35	9.30
K=9 A=	0.10	0.25	0.45	0.60	0.80	0.95	1.15	1.30	1.50	1.65	1.85	2.15	2.50	2.80	3.35	4.20	5.10	5.95	6.80	7.70	8.65
K=10 A=	0.10	0.25	0.45	0.60	0.80	0.95	1.15	1.30	1.50	1.65	1.85	2.10	2.40	2.75	3.10	3.70	4.60	5.45	6.30	7.20	8.05
K=11 A=	0.05	0.25	0.40	0.60	0.75	0.95	1.10	1.30	1.45	1.60	1.80	2.00	2.35	2.70	3.05	3.40	4.10	4.95	5.80	6.70	7.55
K=12 A=	0.05	0.25	0.40	0.60	0.75	0.90	1.10	1.25	1.45	1.60	1.80	1.95	2.30	2.65	3.00	3.35	3.75	4.50	5.30	6.20	7.05
K=13 A=	0.05	0.20	0.40	0.55	0.75	0.90	1.10	1.25	1.45	1.60	1.80	1.95	2.25	2.60	2.90	3.25	3.60	4.15	4.90	5.70	6.55
K=14*A=	0.05	0.20	0.40	0.55	0.70	0.90	1.05	1.25	1.40	1.60	1.75	1.95	2.10	2.50	2.85	3.20	3.55	3.90	4.55	5.35	6.05
K=15*A=	0.00	0.20	0.35	0.55	0.70	0.90	1.05	1.25	1.40	1.55	1.75	1.90	2.10	2.45	2.80	3.15	3.50	3.85	4.25	4.95	5.75

* L= 0,77 • L= 1,76

Serie Optima Click

HOW TO CHOOSE YOUR MOUNTING PLATE

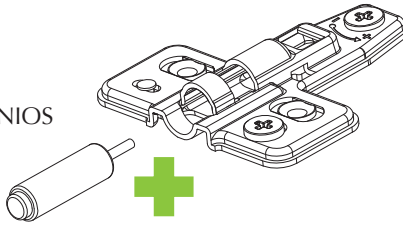
OPTIMA STANDARD MOUNTING PLATE



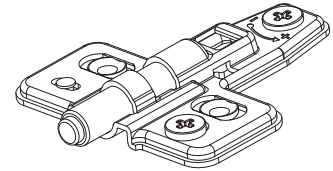
GENIOS R OPTIMA RETROFIT MOUNTING PLATE



OPTIMA GENIOS DAMPER



GENIOS G OPTIMA INTEGRATED MOUNTING PLATE



Genios Optima damper for Genios Optima Retrofit mounting plate



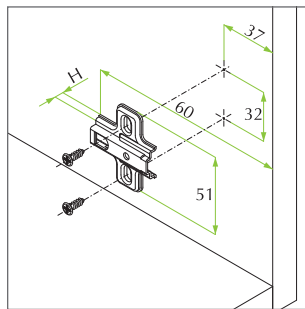
Code

4H.0LAM.GU.X5.0CF

Metal cruciform mounting plate. Selftapping screw fixing. Vertical adjustment.

Screws are provided on demand.

37



Height

H=2
H=4
H=6

Material

Steel
Steel
Steel

Code

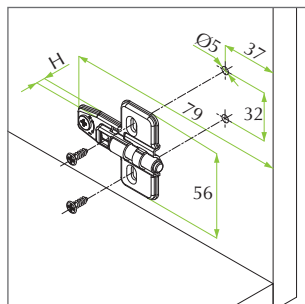
52.0401.M5.02.0
52.0401.M5.04.0
52.0401.M5.06.0

Metal cruciform mounting plate. Selftapping screw fixing. Vertical adjustment.

Screws are provided on demand.



37



Height

H=2
H=4

Material

Steel
Steel

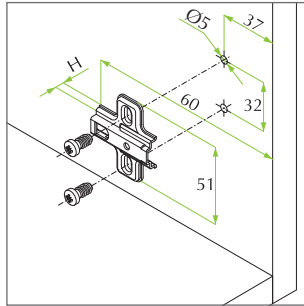
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52.0401.M5.02.0 ●
52.0401.M5.04.0 ●

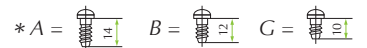
● = G / Genios Integrated Solution
R / Genios Retrofit Solution

Metal cruciform mounting plate. Euro screws premounted. Vertical adjustment.

37

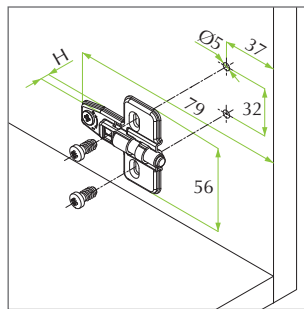


Height	Material	Code
H=2	Steel	52.0416.M5.02.*
H=4	Steel	52.0416.M5.04.*
H=6	Steel	52.0416.M5.06.*
H=10	Zama	52.0416.05.10.*



Metal cruciform mounting plate. Euro screws premounted. Vertical adjustment.

37

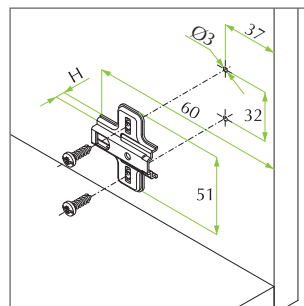


Height	Material	Code
H=2	Steel	52.0416.M5.02.* ●
H=4	Steel	52.0416.M5.04.*



Metal cruciform mounting plate. Premounted selftapping screws Ø4.7mm. Vertical adjustment.

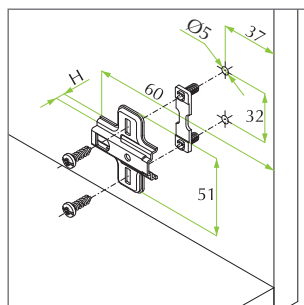
37



Height	Material	Code
H=2	Steel	52.04G5.M5.02.0
H=4	Steel	52.04G5.M5.04.0
H=6	Steel	52.04G5.M5.06.0

Metal cruciform mounting plate. Fixing by expanding X-Pando dowels Ø5mm. Vertical adjustment.

37

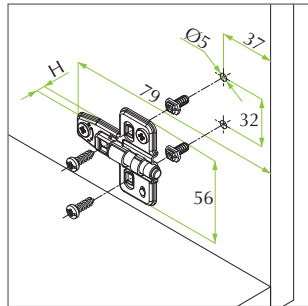


Height	Material	Code
H=2	Steel	52.04N5.M5.02.*
H=4	Steel	52.04N5.M5.04.*
H=6	Steel	52.04N5.M5.06.*



Serie Optima Click

Metal cruciform mounting plate. Fixing by expanding X-Pando dowels Ø5mm. Vertical adjustment.



Height

H=2
H=4

Material

Steel
Steel

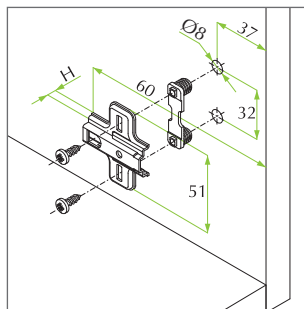
Code

52.04N5.M5.02.*
52.04N5.M5.04.*

* 0 =

= G / Genios Integrated Solution
R / Genios Retrofit Solution

Metal cruciform mounting plate. Knock-in fixing with dowels Ø8mm. Vertical adjustment.



Height

H=2
H=4
H=6

Material

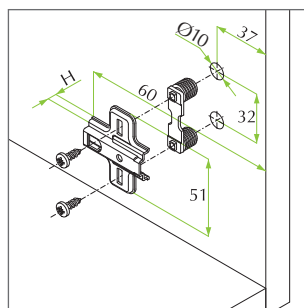
Steel
Steel
Steel

Code

52.04*5.M5.02.0
52.04*5.M5.04.0
52.04*5.M5.06.0

* C = E =

Metal cruciform mounting plate. Knock-in fixing with dowels Ø10mm. Vertical adjustment.



Height

H=2
H=4
H=6

Material

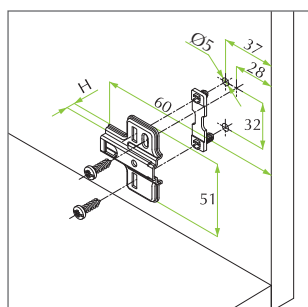
Steel
Steel
Steel

Code

52.04*5.M5.02.0
52.04*5.M5.04.0
52.04*5.M5.06.0

* D = F =

Asymmetric mounting plate for central panel. Fixing by dowels and premounted selftapping screws. Vertical adjustment.



Height

H=2
H=4

Material

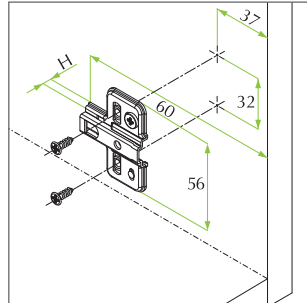
Steel
Steel

Code

52.54N7.M5.02.0
52.54N7.M5.04.0

Metal cruciform mounting plate. Selftapping screw fixing. Independent vertical adjustment with CAM.
Screws are provided on demand.

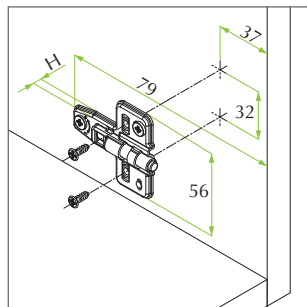
37



Height	Material	Code
H=2	Steel	52.R444.L5.02.0
H=4	Steel	52.R444.L5.04.0

Metal cruciform mounting plate. Selftapping screw fixing. Independent vertical adjustment with CAM.
Screws are provided on demand.

37

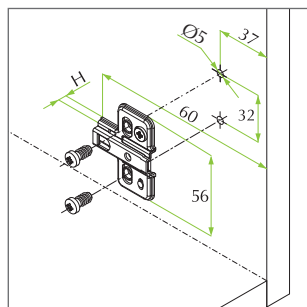


Height	Material	Code
H=2	Steel	52.R444.L5.02.0
H=4	Steel	52.R444.L5.04.0

= G / Genios Integrated Solution
R / Genios Retrofit Solution

Metal cruciform mounting plate. Euro screws premounted. Independent vertical adjustment with CAM.

37

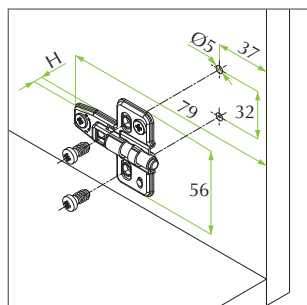
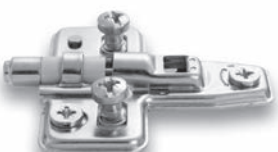


Height	Material	Code
H=2	Steel	52.R447.L5.02.*
H=4	Steel	52.R447.L5.04.*

* A = B = G =

Metal cruciform mounting plate. Euro screws premounted. Independent vertical adjustment with CAM.

37



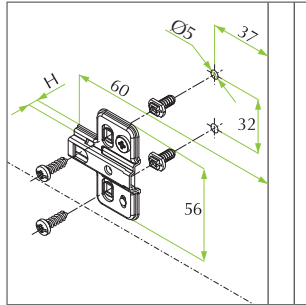
Height	Material	Code
H=2	Steel	52.R447.L5.02.*
H=4	Steel	52.R447.L5.04.*

* A = B = G = = G / Genios Integrated Solution
R / Genios Retrofit Solution

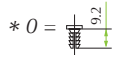
Serie Optima Click

Metal cruciform mounting plate. Fixing by expanding X-Pando dowels Ø5mm. Independent vertical adjustment with CAM.

37

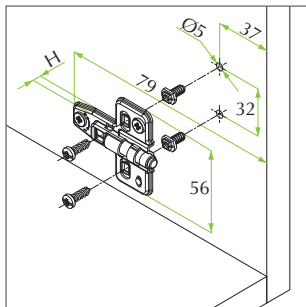


Height	Material	Code
H=2	Steel	52.R4N5.L5.02.*
H=4	Steel	52.R4N5.L5.04.*

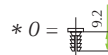


Metal cruciform mounting plate. Fixing by expanding X-Pando dowels Ø5mm. Independent vertical adjustment with CAM.

37



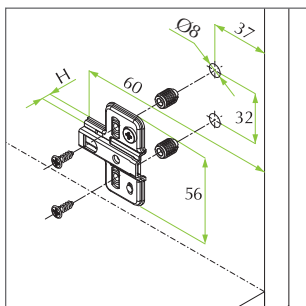
Height	Material	Code
H=2	Steel	52.R4N5.L5.02.* ●
H=4	Steel	52.R4N5.L5.04.* ●



● = G / Genios Integrated Solution
R / Genios Retrofit Solution

Metal cruciform mounting plate. Knock-in fixing with dowels Ø8mm. Independent vertical adjustment with CAM.

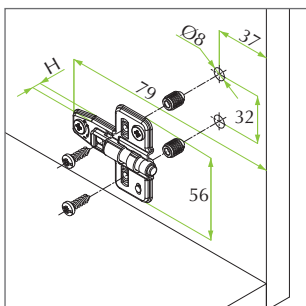
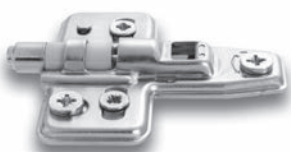
37



Height	Material	Code
H=2	Steel	52.R445.L5.02.0
H=4	Steel	52.R445.L5.04.0

Metal cruciform mounting plate. Knock-in fixing with dowels Ø8mm. Independent vertical adjustment with CAM.

37

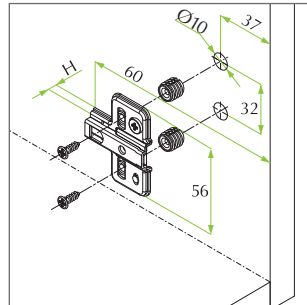


Height	Material	Code
H=2	Steel	52.R445.L5.02.0 ●
H=4	Steel	52.R445.L5.04.0 ●

● = G / Genios Integrated Solution
R / Genios Retrofit Solution

Metal cruciform mounting plate. Knock-in fixing with dowels Ø10mm. Independent vertical adjustment with CAM.

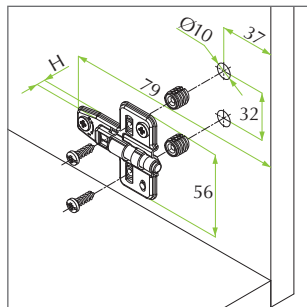
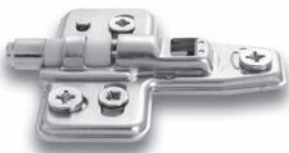
37





Height	Material	Code
H=2	Steel	52.R446.L5.02.0
H=4	Steel	52.R446.L5.04.0

Metal cruciform mounting plate. Knock-in fixing with dowels Ø10mm. Independent vertical adjustment with CAM.

 37

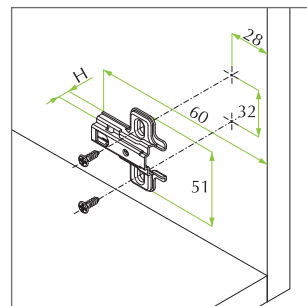
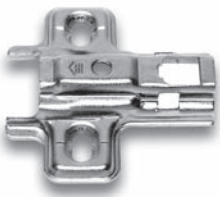


Height	Material	Code
H=2	Steel	52.R446.L5.02.0 
H=4	Steel	52.R446.L5.04.0 

 = G / Genios Integrated Solution
R / Genios Retrofit Solution

Metal cruciform mounting plate. Selftapping screw fixing. Vertical adjustment. Screws are provided on demand.

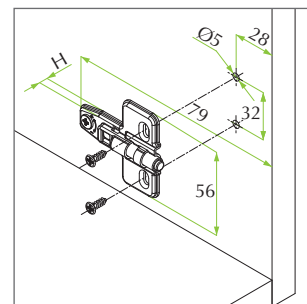
28





Height	Material	Code
H=4	Steel	52.0422.M5.04.0

Metal cruciform mounting plate. Selftapping screw fixing. Vertical adjustment. Screws are provided on demand.

 28



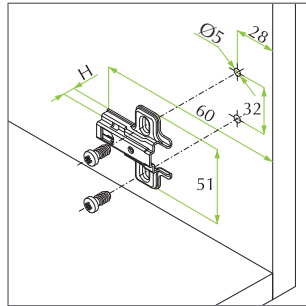
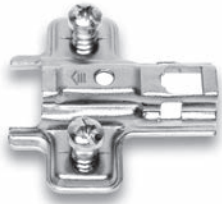
Height	Material	Code
H=2	Steel	52.0422.05.02.0 
H=4	Steel	52.0422.05.04.0 

 = G / Genios Integrated Solution
R / Genios Retrofit Solution

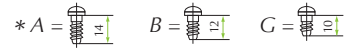
Serie Optima Click

Metal cruciform mounting plate. Euro screws premounted. Vertical adjustment.

28

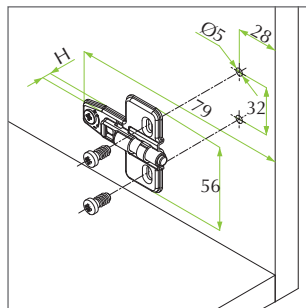




Height	Material	Code
H=4	Steel	52.0421.M5.04.*



Metal cruciform mounting plate. Euro screws premounted. Vertical adjustment.

 28

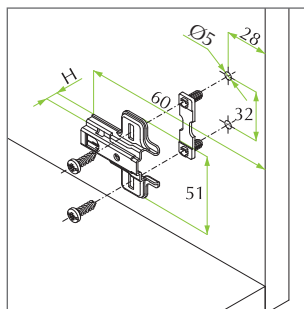
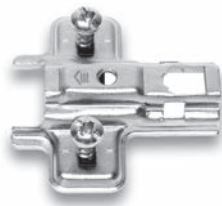


Height	Material	Code
H=2	Steel	52.0421.05.02.* 
H=4	Steel	52.0421.05.04.* 



Metal cruciform mounting plate. Fixing by expanding X-Pando dowels Ø5mm. Vertical adjustment.

28

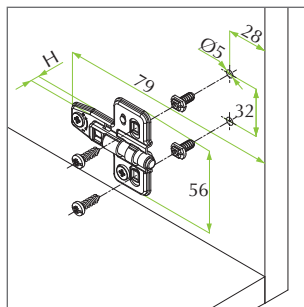




Height	Material	Code
H=4	Steel	52.04N1.M5.04.*



Metal cruciform mounting plate. Fixing by expanding X-Pando dowels Ø5mm. Vertical adjustment.

 28

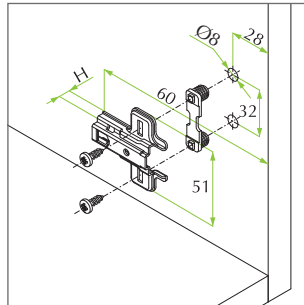


Height	Material	Code
H=2	Steel	52.04N1.05.02.* 
H=4	Steel	52.04N1.05.04.* 



Metal cruciform mounting plate. Knock-in fixing with dowels Ø8mm. Vertical adjustment.
Not compatible with SlowMotion solutions.

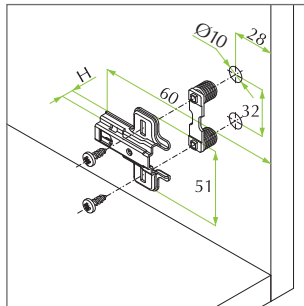
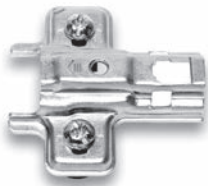
28



Height	Material	Code
H=4	Steel	52.04C1.M5.04.0

Metal cruciform mounting plate. Knock-in fixing with dowels Ø10mm. Vertical adjustment.

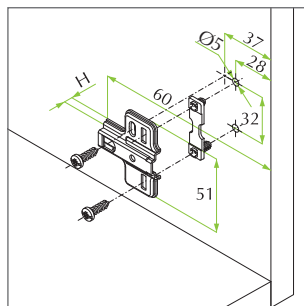
28



Height	Material	Code
H=4	Steel	52.04D1.M5.04.0

Asymmetric mounting plate for central panel. Fixing by dowels and premounted selftapping screws. Vertical adjustment.

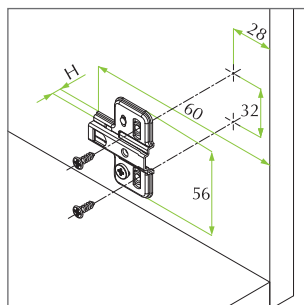
28



Height	Material	Code
H=2	Steel	52.54N3.M5.02.0
H=4	Steel	52.54N3.M5.04.0

Metal cruciform mounting plate. Selftapping screw fixing. Independent vertical adjustment with CAM.
Screws are provided on demand.

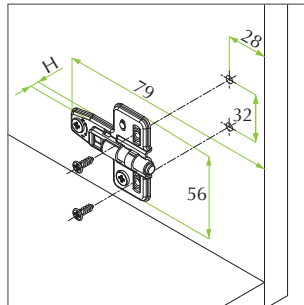
28



Height	Material	Code
H=2	Steel	52.R464.L5.02.0
H=4	Steel	52.R464.L5.04.0

Serie Optima Click

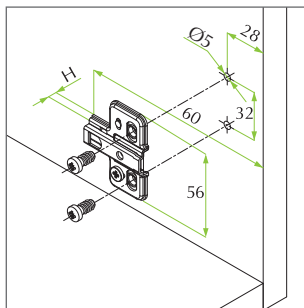
Metal cruciform mounting plate. Selftapping screw fixing. Independent vertical adjustment with CAM.
Screws are provided on demand.



Height	Material	Code
H=2	Steel	52.R464.L5.02.0 ●
H=4	Steel	52.R464.L5.04.0 ●

● = G / Genios Integrated Solution
R / Genios Retrofit Solution

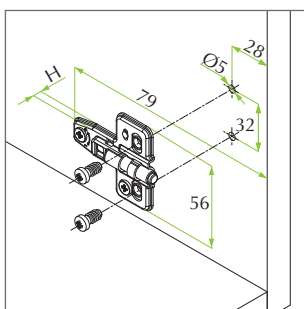
Metal cruciform mounting plate. Euro screws premounted. Independent vertical adjustment with CAM.



Height	Material	Code
H=2	Steel	52.R467.L5.02.*
H=4	Steel	52.R467.L5.04.*

* A = B = G =

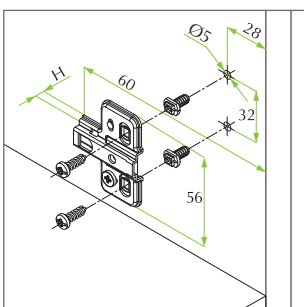
Metal cruciform mounting plate. Euro screws premounted. Independent vertical adjustment with CAM.



Height	Material	Code
H=2	Steel	52.R467.L5.02.* ●
H=4	Steel	52.R467.L5.04.* ●

* A = B = G = ● = G / Genios Integrated Solution
R / Genios Retrofit Solution

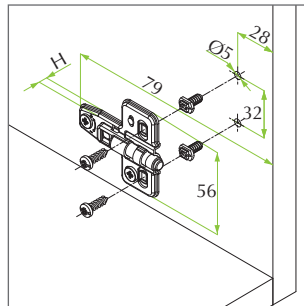
Metal cruciform mounting plate. Fixing by expanding X-Pando dowels Ø5mm. Independent vertical adjustment with CAM.



Height	Material	Code
H=2	Steel	52.R4N1.L5.02.*
H=4	Steel	52.R4N1.L5.04.*

* O =

Metal cruciform mounting plate. Fixing by expanding X-Pando dowels Ø5mm. Independent vertical adjustment with CAM.

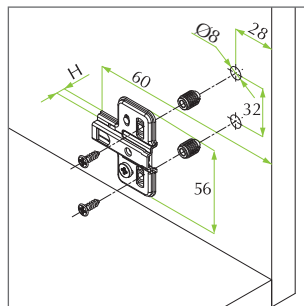


Height	Material	Code
H=2	Steel	52.R4N1.L5.02.*
H=4	Steel	52.R4N1.L5.04.*

* 0 = 9.2

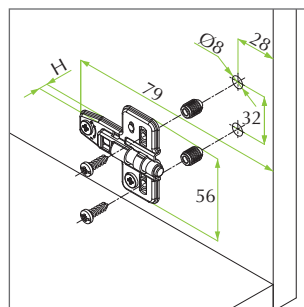
= G / Genios Integrated Solution
 = R / Genios Retrofit Solution

Metal cruciform mounting plate. Knock-in fixing with dowels Ø8mm. Independent vertical adjustment with CAM.



Height	Material	Code
H=2	Steel	52.R465.L5.02.0
H=4	Steel	52.R465.L5.04.0

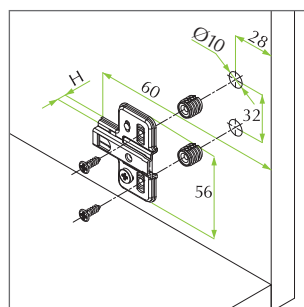
Metal cruciform mounting plate. Knock-in fixing with dowels Ø8mm. Independent vertical adjustment with CAM.



Height	Material	Code
H=2	Steel	52.R465.L5.02.0
H=4	Steel	52.R465.L5.04.0

= G / Genios Integrated Solution
 = R / Genios Retrofit Solution

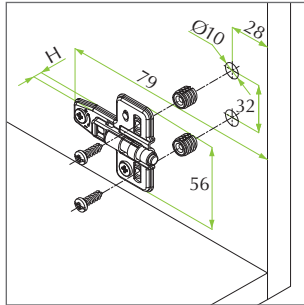
Metal cruciform mounting plate. Knock-in fixing with dowels Ø10mm. Independent vertical adjustment with CAM.



Height	Material	Code
H=2	Steel	52.R466.L5.02.0
H=4	Steel	52.R466.L5.04.0

Serie Optima Click

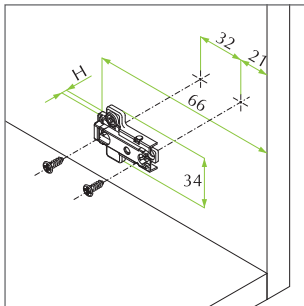
Metal cruciform mounting plate. Knock-in fixing with dowels Ø10mm. Independent vertical adjustment with CAM.



Height	Material	Code
H=2	Steel	52.R466.L5.02.0
H=4	Steel	52.R466.L5.04.0

= G / Genios Integrated Solution
 = R / Genios Retrofit Solution

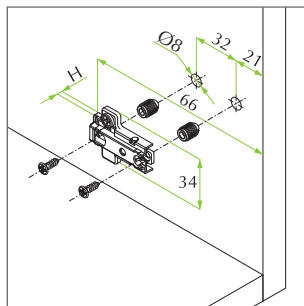
Zamak linear mounting plate. Selftapping screw fixing 3,5x15mm. Independent vertical adjustment with CAM.
Screws are provided on demand (code 1A03050418000)



Height	Material	Code
H=3	Zamak	52.0448.R5.03.0
H=5	Zamak	52.0448.R5.05.0*

* Mounting plate provided on demand for minimum quantity ordered

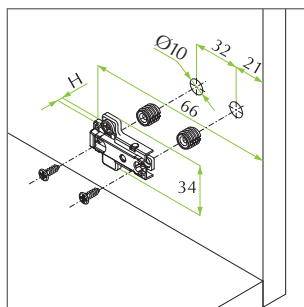
Zamak linear mounting plate. Knock-in fixing with dowels Ø8mm. Independent vertical adjustment with CAM.



Height	Material	Code
H=3	Zamak	52.0449.R5.03.0
H=5	Zamak	52.0449.R5.05.0*

* Mounting plate provided on demand for minimum quantity ordered

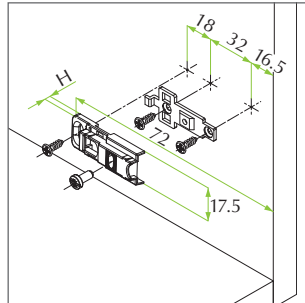
Zamak linear mounting plate. Knock-in fixing with dowels Ø10mm. Independent vertical adjustment with CAM.



Height	Material	Code
H=3	Zamak	52.0450.R5.03.0
H=5	Zamak	52.0450.R5.05.0*

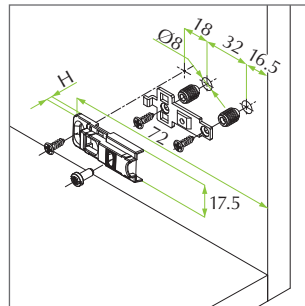
* Mounting plate provided on demand for minimum quantity ordered

Zamak linear mounting plate. Selftapping screw fixing 3.5x15mm. Vertical adjustment.
Screws are provided on demand (code 1A03050418000)



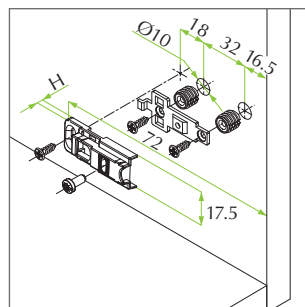
Height	Material	Code
H=2	Zamak	52.0408.05.02.000

Zamak linear mounting plate. Knock-in fixing with dowels Ø8mm. Vertical adjustment.



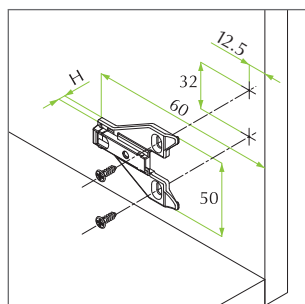
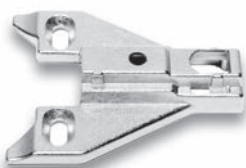
Height	Material	Code
H=2	Zamak	52.0409.05.02.000

Zamak linear mounting plate. Knock-in fixing with dowels Ø10mm. Vertical adjustment.



Height	Material	Code
H=2	Zamak	52.0410.05.02.000

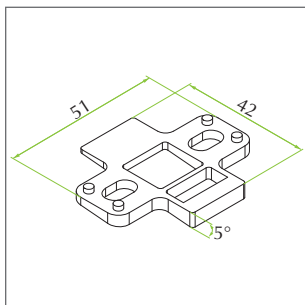
Zamak mounting plate. Selftapping screw fixing. Vertical adjustment.
Screws are provided on demand.



Height	Material	Code
H=2	Zamak	52.0432.05.02.0
H=5	Zamak	52.0432.05.05.0

Serie Optima Click

Spacer for mounting plates.



Material	Code
Nylon	52.OSP6.06.05.000

Stackable to get multiples of 5°.

Hinge arm cover.



Material	Code
Plastic	51.0M.00010.0000
Steel	51.0Y.00050.000N
Steel with FGV logo*	51.0YFGV.5.0000000

*Customer logo on demand

Steel cover for hinge box.



Cup hole dist.	Material	Code
48-45	Steel	510C000500000
52	Steel	510C000500B00

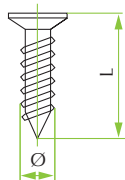
Ø35mm cover.



Material	Code
Nylon	5307C3**00000

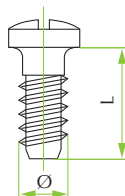
** Colour code: A1 = White RAL 9010 / A2 = Brown RAL 8016 /
C6 = Grey RAL 7004 / 0I = Painted matt aluminium

Selftapping screws with Pozi drive head, nickel for hinge and mounting plate fixing.



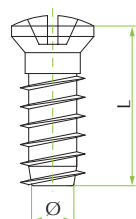
Ø	Length	Material	Code
4	12.5	Steel	1A035034150CF
4	15.5	Steel	1A035034250CF

Euro screws with Pozi drive head, nickel for mounting plate fixing.



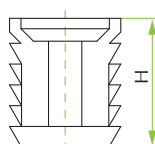
Ø	Length	Material	Code
6.3	10	Steel	1A075029350CF
6.3	12	Steel	1A075108250CF
6.3	14	Steel	1A075108150CF

Euro screws with Pozi drive head, nickel for hinge fixing.



Ø	Length	Material	Code
6.3	12	Steel	1A075130050CF

Dowel in nylon for hinge fixing.



Ø	Height	Material	Code
10	12	Nylon	2H011070530CF
8	11	Nylon	2H000449003CF



MS Slide-On

The right function

Cost-effective Slide-On mechanism

Wide range 3D door adjustment

Large program of cup-fixing methods

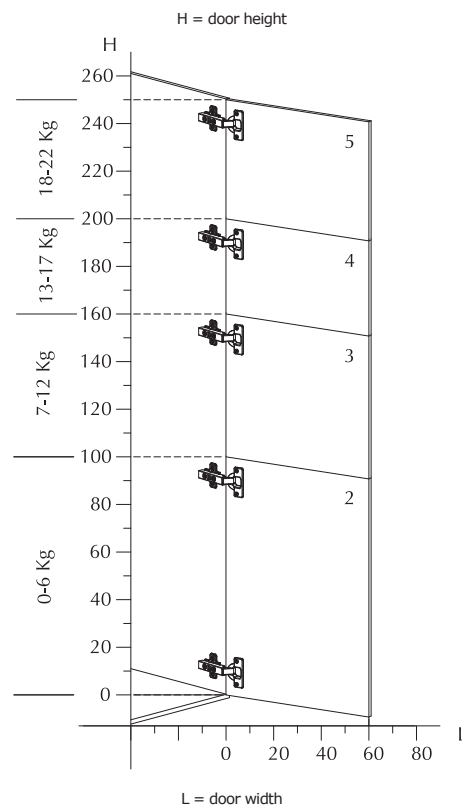
Genios Compatible

Option OneTouch

Complete range of solutions

The MS Slide-On hinges represent the perfect synthesis between functional needs and right value of the product. The complete range allows to cover all the applications with a specific solution, adjustable to the needs of the user through easy and strong adjustments. The rapid (Velofix and X-Pando) or no-tool (Zip) door fixings allow assembly in short time and in safe way. The MS Slide-On hinges are available in push-open version for use with the OneTouch device for handle less cabinet design. They are available in Genios configuration, and compatible with SlowMotion Alfa and SlowMotion Delta add-on damper solutions as well.

MS Slide-On



Mounting System



1 Place the rear part of the hinge on the front side of the mounting plate.

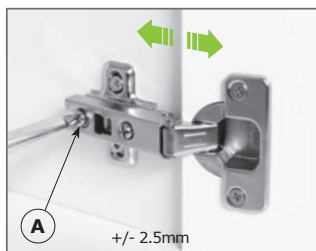


2 Let the hinge slide on the mounting plate until it stops.

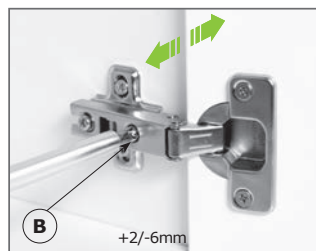


3 Tighten the connecting screw.

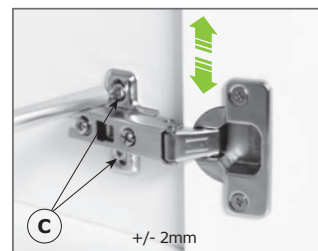
Sistema di regolazione



Front adjustment
Acting on the "A" screw it is possible to adjust the distance between the side of the cabinet and the door.



Independent side adjustment
Acting on the "B" screw it is possible to change the amount of the door covering on the side of the cabinet.



Vertical adjustment
Acting on the "C" screw of the mounting plate it is possible to adjust the door vertically.

INDEX

OPENING
110°



Summary table

p. 64

Product detail

p. 68

OPENING
125°



Summary table

p. 64

Product detail

p. 72

OPENING
125°



Summary table

p. 64

Product detail

p. 74

FOR THICK
DOORS
95° Ø35



Summary table

p. 64

Product detail

p. 76

FOR CORNER
DOORS
110°



Summary table

p. 64

Product detail

p. 80

FOR CORNER
CABINET



Summary table

p. 64

Product detail

p. 84

SPECIAL SOLUTIONS

FOR THICK
DOORS
90° Ø40



Summary table

p. 67

Product detail

p. 86

FOR WOOD AND/OR
GLASS DOORS
90° Ø26



Summary table

p. 67

Product detail

p. 90

FOR DOORS WITH
ALUMINIUM FRAME
105°



Summary table

p. 67

Product detail

p. 94

FLAP
DOORS



Summary table

p. 67

Product detail

p. 98

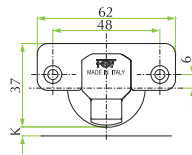
ZIP FIXING
SYSTEM



Summary table

p. 67

Cup hole distance 48x6mm



OPENING 110°



Crank 0		p. 68	p. 68	p. 68	p. 68	p. 68
Crank 4		p. 68	p. 68	p. 68	p. 68	p. 68
Crank 8		p. 70	p. 70	p. 70	p. 70	p. 70
Crank 15		p. 70	p. 70	p. 70	p. 70	p. 70

OPENING 125°



Crank 0		p. 72	p. 72	p. 72	p. 72	
Crank 8		p. 72	p. 72	p. 72	p. 72	

OPENING 175°



Crank 0		p. 74	p. 74	p. 74	p. 74	
Crank 8		p. 74	p. 74	p. 74	p. 74	

FOR THICK DOORS STANDARD OPENING 95° Ø35



Crank 0		p. 76	p. 76	p. 76	p. 76	
Crank 4		p. 76	p. 76	p. 76	p. 76	
Crank 8		p. 78	p. 78	p. 78	p. 78	
Crank 15		p. 78	p. 78	p. 78	p. 78	

FOR CORNER DOORS 110°



Angle -25°		p. 80	p. 80	p. 80	p. 80	
Angle +25°		p. 80	p. 80	p. 80	p. 80	
Angle 24°±30°		p. 82	p. 82	p. 82	p. 82	p. 82
Angle 45°		p. 82	p. 82	p. 82	p. 82	p. 82
Angle 90°		p. 82	p. 82	p. 82	p. 82	p. 82

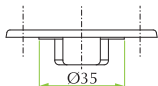
FOR CORNER CABINET



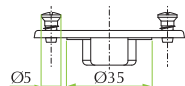
p. 84	p. 84	p. 84	p. 84
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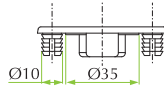
SELFTAPPING
SCREW



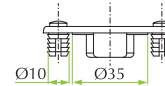
EURO
SCREW



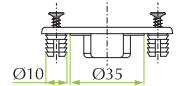
DOWEL



VELOFIX
DOWEL

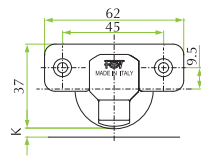


X-PANDO
DOWEL



Cup hole distance 45x9.5mm

A



OPENING 110°



Crank 0		p. 68	p. 68	p. 68	p. 68	p. 68
Crank 4		p. 68	p. 68	p. 68	p. 68	p. 68
Crank 8		p. 70	p. 70	p. 70	p. 70	p. 70
Crank 15		p. 70	p. 70	p. 70	p. 70	p. 70

OPENING 125°



Crank 0		p. 72	p. 72	p. 72	p. 72	
Crank 8		p. 72	p. 72	p. 72	p. 72	

OPENING 175°



Crank 0		p. 74	p. 74	p. 74	p. 74	
Crank 8		p. 74	p. 74	p. 74	p. 74	

FOR THICK DOORS STANDARD OPENING 95° Ø35



Crank 0		p. 76	p. 76	p. 76	p. 76	
Crank 4		p. 76	p. 76	p. 76	p. 76	
Crank 8		p. 78	p. 78	p. 78	p. 78	
Crank 15		p. 78	p. 78	p. 78	p. 78	

FOR CORNER DOORS 110°



Angle -25°		p. 80	p. 80	p. 80	p. 80	
Angle +25°		p. 80	p. 80	p. 80	p. 80	
Angle 24°±30°		p. 82	p. 82	p. 82	p. 82	p. 82
Angle 45°		p. 82	p. 82	p. 82	p. 82	p. 82
Angle 90°		p. 82	p. 82	p. 82	p. 82	p. 82

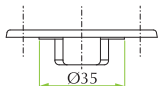
FOR CORNER CABINET



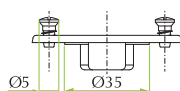
p. 84	p. 84	p. 84	p. 84
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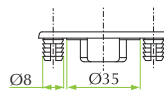
SELFTAPPING
SCREW



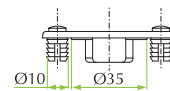
EURO
SCREW



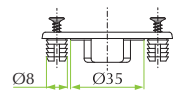
DOWEL



VELOFIX
DOWEL

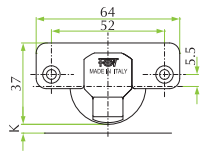


X-PANDO
DOWEL



Cup hole distance 52x5.5mm

D



OPENING 110°



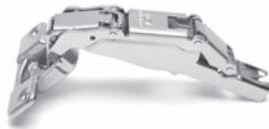
Crank 0		p. 68	p. 68	p. 68	p. 68	p. 68
Crank 4		p. 68	p. 68	p. 68	p. 68	p. 68
Crank 8		p. 70	p. 70	p. 70	p. 70	p. 70
Crank 15		p. 70	p. 70	p. 70	p. 70	p. 70

OPENING 125°



Crank 0		p. 72	p. 72	p. 72	p. 72	
Crank 8		p. 72	p. 72	p. 72	p. 72	

OPENING 175°



Crank 0		p. 74	p. 74	p. 74	p. 74	
Crank 8		p. 74	p. 74	p. 74	p. 74	

FOR THICK DOORS STANDARD OPENING 95° Ø35



Crank 0		p. 76	p. 76	p. 76	p. 76	
Crank 4		p. 76	p. 76	p. 76	p. 76	
Crank 8		p. 78	p. 78	p. 78	p. 78	
Crank 15		p. 78	p. 78	p. 78	p. 78	

FOR CORNER DOORS 110°



Angle -25°		p. 80	p. 80	p. 80	p. 80	
Angle +25°		p. 80	p. 80	p. 80	p. 80	
Angle 24°±30°		p. 82	p. 82	p. 82	p. 82	p. 82
Angle 45°		p. 82	p. 82	p. 82	p. 82	p. 82
Angle 90°		p. 82	p. 82	p. 82	p. 82	p. 82

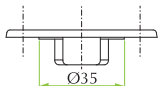
FOR CORNER CABINET



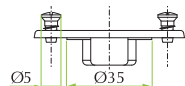
p. 84	p. 84	p. 84	p. 84	
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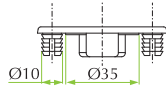
SELFTAPPING
SCREW



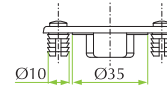
EURO
SCREW



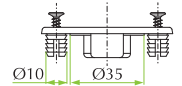
DOWEL



VELOFIX
DOWEL

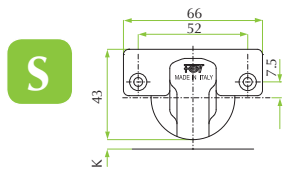


X-PANDO
DOWEL

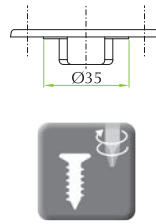


SPECIAL SOLUTIONS

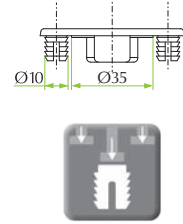
CUP HOLE DISTANCE 52x7.5mm



SELFTAPPING SCREW



DOWEL



FOR THICK DOORS OPENING 90° Ø40



Crank 0	
Crank 8	
Crank 15	
Crank 22	

p. 86

p. 86

p. 86

p. 86

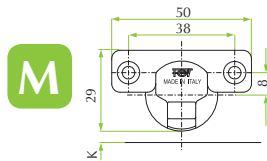
p. 88

p. 88

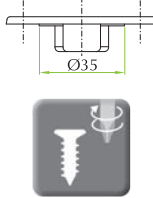
p. 88

p. 88

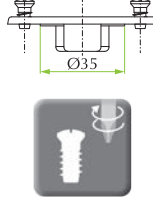
CUP HOLE DISTANCE 38x8mm



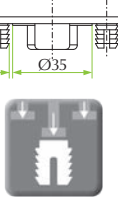
SELFTAPPING SCREW



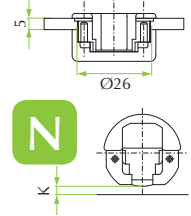
EURO SCREW



DOWEL



NYLON (glass)



FOR WOOD AND/OR GLASS DOORS 90° Ø26



Crank 0	
Crank 8	
Crank 15	

p. 90

p. 90

p. 90

p. 92

p. 90

p. 90

p. 90

p. 92

p. 90

p. 90

p. 90

p. 92

GROOVED PROFILE

LOCK FIXING

FOR DOORS WITH ALUMINIUM FRAME OPENING 105°



Crank 0	
Crank 8	
Crank 15	

p. 94

p. 96

p. 94

p. 96

p. 94

p. 96

FOR FLAP DOORS



LEFT

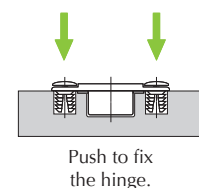
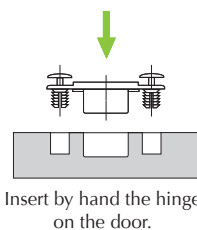
RIGHT

p. 98

p. 98

ZIP FIXING SYSTEM

The Zip dowels allow a no-tool mounting of the hinge.



The hinges with Zip fixing system are available on demand. Please contact the FGV Customer Service.

MS Slide-On 110°



Technical specifications:

- Depth of the metal cup 11.3mm
- Cup diameter 35mm
- Opening 110° with (K) max 4mm e (T) max 18mm
- Possibility of door drilling (K) from 3 a 7 mm
- Thickness of the door (T) from 16 a 26 mm
- Genios, SlowMotion Alfa and OneTouch solutions

CRANK 0



CRANK 4



CRANKS 8, 15 TO PAGE 70 >>>



I
A
D

51.MS15.05.00.0 ●
51.MS15.05.00.C ●
51.MS15.05.00.B ●

Available with premounted selftapping screws

51.MS15.05.04.0 ●
51.MS15.05.04.C ●
51.MS15.05.04.B ●



I
A
D

51.MS16.05.00.M ●
51.MS16.05.00.N ●
51.MS16.05.00.E ●

51.MS16.05.04.M ●
51.MS16.05.04.N ●
51.MS16.05.04.E ●



I
A
D

51.MS16.05.00.* ●
51.MS16.05.00.S ●
51.MS16.05.00.B ●

* 0 = dowels Ø10mm / D = dowels Ø8mm

51.MS16.05.04.* ●
51.MS16.05.04.S ●
51.MS16.05.04.B ●



I
A
D

51.MS18.05.00.V ●
51.MS18.05.00.U ●
51.MS18.05.00.Z ●

51.MS18.05.04.V ●
51.MS18.05.04.U ●
51.MS18.05.04.Z ●

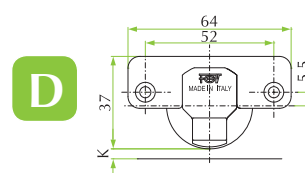
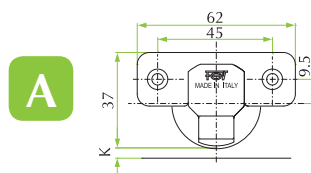
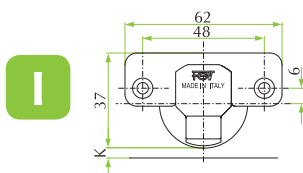


I
A
D

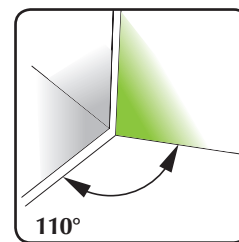
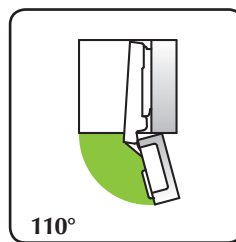
51.MS19.05.00.0 ●
51.MS19.05.00.S ●
51.MS19.05.00.B ●

51.MS19.05.04.0 ●
51.MS19.05.04.S ●
51.MS19.05.04.B ●

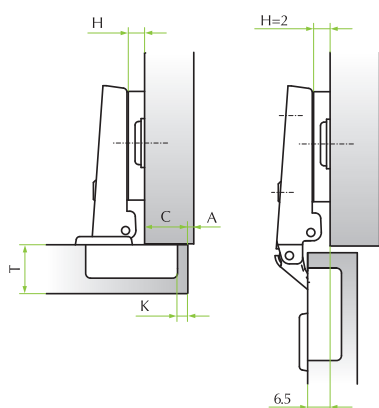
● = G / Genios Solution



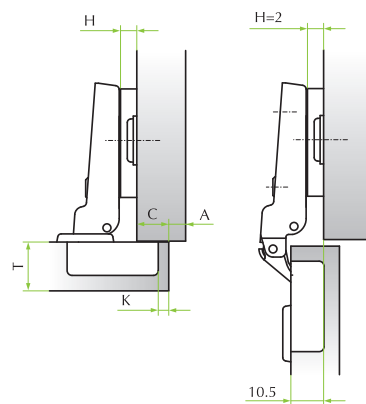
The mounting plates and fittings for this hinge series are shown from page 100 to page 107.



CRANK 0
For lay-on doors



CRANK 4
For partial lay-on doors



		Drilling distance (K)						
		3	4	5	6	7		
Overlay (C)	19			0	2			
	18		0	2				
	17	0	2	4				
	16	2	4					
	15	2	4	6				
	14	4	6					
	13	4	6					
	12	6						
11	6						Mounting plates (H)	

		Drilling distance (K)						
		3	4	5	6	7		
Overlay (C)	15			0	2			
	14		0	2				
	13	0	2	4				
	12	2	4					
	11	2	4	6				
	10	4	6					
	9	4	6					
	8	6						
7	6						Mounting plates (H)	

Table to determine the minimum distance **A** so that a door with **T** thickness can open without protrusion from the cabinet and without interfering with adjacent doors.

T=	16	17	18	19	20	21	22	23	24	25	26
K=3 A=	0.55	0.75	1.10	1.45	1.80	2.40	3.10	3.90	4.70	6.70	6.50
K=4 A=	0.55	0.70	1.05	1.40	1.75	2.25	2.85	3.60	4.35	5.75	6.00
K=5 A=	0.55	0.70	1.00	1.35	1.65	2.10	2.65	3.30	4.00	4.75	5.55
K=6 A=	0.50	0.70	0.95	1.25	1.60	2.00	2.50	3.05	3.70	4.40	5.20
K=7 A=	0.50	0.65	0.85	1.20	1.55	1.90	2.35	2.85	3.45	4.10	4.80

MS Slide-On 110°



<<< CRANK 0, 4 TO PAGE 68

CRANK 8

CRANK 15



I
A
D

51.MS15.05.08.0 ●
51.MS15.05.08.C ●
51.MS15.05.08.B ●

Available with premounted selftapping screws

51.MS15.05.15.0 ●
51.MS15.05.15.C ●
51.MS15.05.15.B ●



I
A
D

51.MS16.05.08.M ●
51.MS16.05.08.N ●
51.MS16.05.08.E ●

51.MS16.05.15.M ●
51.MS16.05.15.N ●
51.MS16.05.15.E ●



I
A
D

51.MS16.05.08.* ●
51.MS16.05.08.S ●
51.MS16.05.08.B ●

* 0 = dowels Ø10mm / D = dowels Ø8mm

51.MS16.05.15.* ●
51.MS16.05.15.S ●
51.MS16.05.15.B ●



I
A
D

51.MS18.05.08.V ●
51.MS18.05.08.U ●
51.MS18.05.08.Z ●

51.MS18.05.15.V ●
51.MS18.05.15.U ●
51.MS18.05.15.Z ●

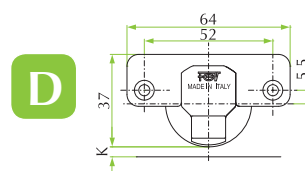
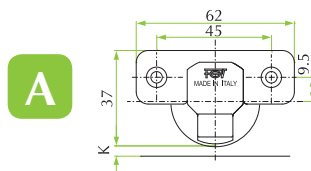
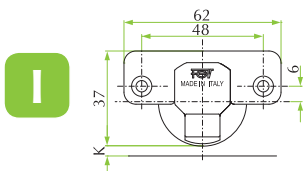


I
A
D

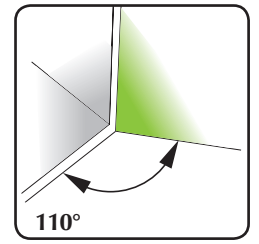
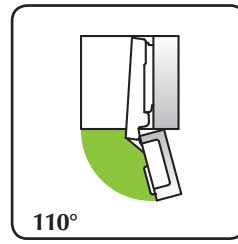
51.MS19.05.08.0 ●
51.MS19.05.08.S ●
51.MS19.05.08.B ●

51.MS19.05.15.0 ●
51.MS19.05.15.S ●
51.MS19.05.15.B ●

● = G / Genios Solution

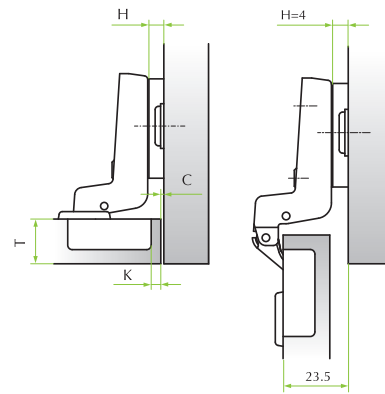
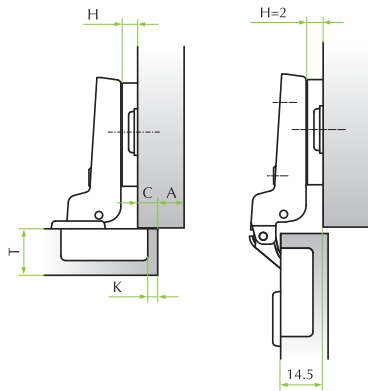


The mounting plates and fittings for this hinge series are shown from page 100 to page 107.



CRANK 8
For partial lay-on doors

CRANK 15
For inset doors



		Drilling distance (K)						
		3	4	5	6	7		
Overlay (C)	11			0	2			
	10		0		2			
	9	0		2	4			
	8		2		4			
	7	2		4	6			
	6		4		6			
	5	4		6				
	4		6					
3	6							
		Mounting plates (H)						

		Drilling distance (K)				
		3	4	5	6	7
Overlay (C)	0	2		4	6	
	1		4		6	
	2	4		6		
	3		6			
	4	6				
		Mounting plates (H)				

Table to determine the minimum distance **A** so that a door with **T** thickness can open without protrusion from the cabinet and without interfering with adjacent doors.

T=	16	17	18	19	20	21	22	23	24	25	26
K=3 A=	0.55	0.75	1.10	1.45	1.80	2.40	3.10	3.90	4.70	6.70	6.50
K=4 A=	0.55	0.70	1.05	1.40	1.75	2.25	2.85	3.60	4.35	5.75	6.00
K=5 A=	0.55	0.70	1.00	1.35	1.65	2.10	2.65	3.30	4.00	4.75	5.55
K=6 A=	0.50	0.70	0.95	1.25	1.60	2.00	2.50	3.05	3.70	4.40	5.20
K=7 A=	0.50	0.65	0.85	1.20	1.55	1.90	2.35	2.85	3.45	4.10	4.80

MS Slide-On 125°



Technical specifications:

- Depth of the metal cup 12.3mm
- Cup diameter 35mm
- Opening 125° with (K) max 4mm e (T) max 18mm
- Possibility of door drilling (K) from 3 a 5 mm
- Thickness of the door (T) from 16 a 26 mm

CRANK 0



CRANK 8



I
A
D

51.MK15.M5.00.0

51.MK15.M5.00.C

51.MK15.M5.00.B

Available with premounted selftapping screws

51.MK15.M5.08.0

51.MK15.M5.08.C

51.MK15.M5.08.B



I
A
D

51.MK16.M5.00.M

51.MK16.M5.00.N

51.MK16.M5.00.E

51.MK16.M5.08.M

51.MK16.M5.08.N

51.MK16.M5.08.E



I
A
D

51.MK16.M5.00.*

51.MK16.M5.00.S

51.MK16.M5.00.B

* 0 = dowels Ø10mm / D = dowels Ø8mm

51.MK16.M5.08.*

51.MK16.M5.08.S

51.MK16.M5.08.B



I
A
D

51.MK18.M5.00.V

51.MK18.M5.00.U

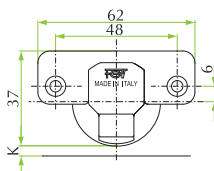
51.MK18.M5.00.Z

51.MK18.M5.08.V

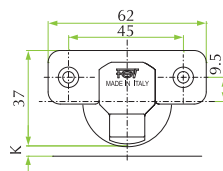
51.MK18.M5.08.U

51.MK18.M5.08.Z

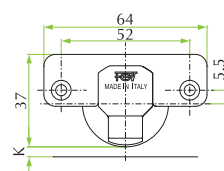
I



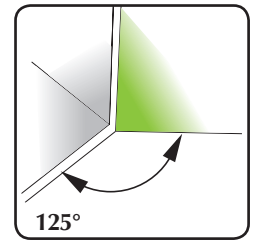
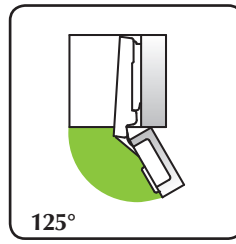
A



D

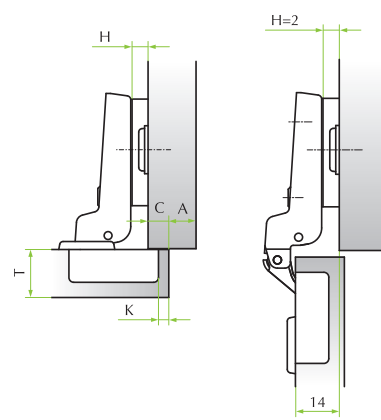
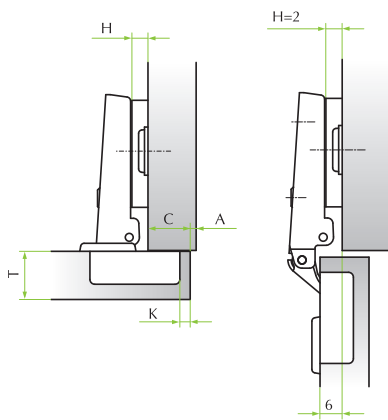


The mounting plates and fittings for this hinge series are shown from page 100 to page 107.



CRANK 0
For lay-on doors

CRANK 8
For partial lay-on doors



		Drilling distance (K)						
		3	4	5	6	7		
Overlay (C)	19			0		2		
	18		0		2			
	17	0		2		4		
	16		2		4			
	15	2		4		6		
	14		4		6			
	13	4		6				
	12		6					
11	6						Mounting plates (H)	

		Drilling distance (K)				
		3	4	5	6	7
Overlay (C)	11			0		2
	10		0		2	
	9	0		2		4
	8		2		4	
	7	2		4		6
	6		4		6	
	5	4		6		
	4		6			
3	6					Mounting plates (H)

Table to determinate the minimum distance **A** so that a door with **T** thickness can open without protrusion from the cabinet and without interfering with adjacent doors.

T=	16	17	18	19	20	21	22	23	24	25	26
K=3 A=	0.90	1.40	1.90	2.40	3.00	3.60	4.25	4.90	5.55	6.20	6.80
K=4 A=	0.85	1.25	1.75	2.25	2.75	3.35	4.00	4.65	5.30	5.95	6.60
K=5 A=	0.80	1.10	1.60	2.10	2.55	3.15	3.75	4.45	5.05	5.70	6.35

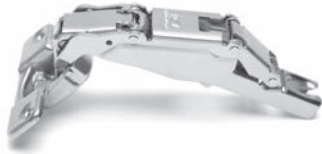
MS Slide-On 175°



Technical specifications:

- Depth of the metal cup 11.3mm
- Cup diameter 35mm
- Opening 175°
- Possibility of door drilling (K) from 3 a 7 mm
- Thickness of the door (T) from 16 a 26 mm
- SlowMotion Delta solutions

CRANK 0



CRANK 8



I
A
D

51.MW15.S5.00.0

51.MW15.S5.00.C

51.MW15.S5.00.B

Available with premounted selftapping screws

51.MW15.M5.08.0

51.MW15.M5.08.C

51.MW15.M5.08.B



I
A
D

51.MW16.S5.00.M

51.MW16.S5.00.N

51.MW16.S5.00.E

51.MW16.M5.08.M

51.MW16.M5.08.N

51.MW16.M5.08.E



I
A
D

51.MW16.S5.00.*

51.MW16.S5.00.S

51.MW16.S5.00.B

* 0 = dowels Ø10mm / D = dowels Ø8mm

51.MW16.M5.08.*

51.MW16.M5.08.S

51.MW16.M5.08.B



I
A
D

51.MW18.S5.00.V

51.MW18.S5.00.U

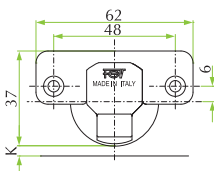
51.MW18.S5.00.Z

51.MW18.M5.08.V

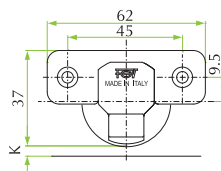
51.MW18.M5.08.U

51.MW18.M5.08.Z

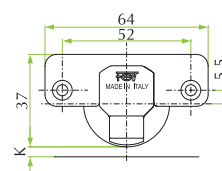
I



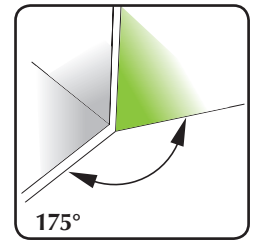
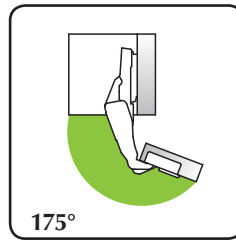
A



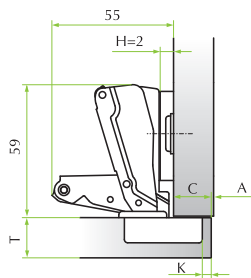
D



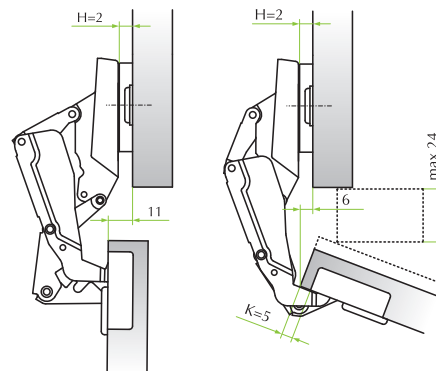
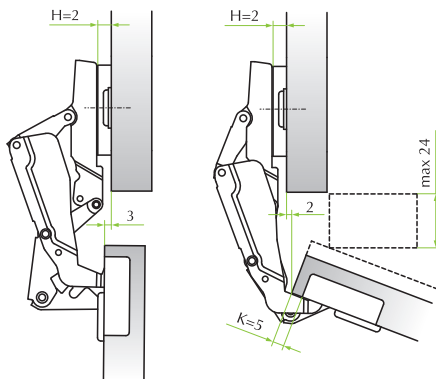
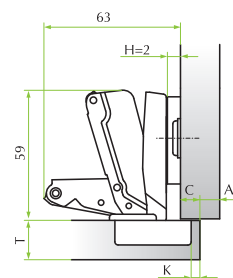
The mounting plates and fittings for this hinge series are shown from page 100 to page 107.



CRANK 0
For lay-on doors



CRANK 8
For partial lay-on doors



		Drilling distance (K)						
		3	4	5	6	7		
Overlay (C)	19			0		2		
	18			0		2		
	17	0		2		4		
	16	2		4				
	15	2		4		6		
	14	4		6				
	13	4		6				
12	6							
11	6							

Mounting plates (H)

		Drilling distance (K)						
		3	4	5	6	7		
Overlay (C)	11			0		2		
	10			0		2		
	9	0		2		4		
	8	2		4				
	7	2		4		6		
	6	4		6				
	5	4		6				
4	6							
3	6							

Mounting plates (H)

Table to determine the minimum distance A so that a door with T thickness can open without protrusion from the cabinet and without interfering with adjacent doors.

T=		16	17	18	19	20	21	22	23	24	25	26
K=3	A=	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.55	6.80	8.10	13.55
K=4	A=	0.00	0.00	0.00	0.00	0.00	0.05	0.30	3.50	5.85	7.25	12.55
K=5	A=	0.00	0.00	0.00	0.00	0.00	0.05	0.30	3.55	4.90	6.25	11.55
K=6	A=	0.00	0.00	0.00	0.00	0.00	0.05	0.40	3.00	3.90	5.25	10.55
K=7	A=	0.00	0.00	0.00	0.00	0.00	0.05	1.20	2.20	3.15	4.25	9.55

MS Slide-On 95° Ø35 for thick doors



Technical specifications:

- Depth of the metal cup 11.3mm standard, 12.3mm Genios
- Cup diameter 35mm
- Opening 95°
- Possibility of door drilling (K) from 3 a 7 mm
- Thickness of the door (T) from 16 a 30 mm
- Genios solutions

CRANK 0



CRANK 4



CRANKS 8, 15
TO PAGE 78 >>>



I
A
D

51.MT15.05.00.0

51.MZ15.05.00.0 ●

51.MT15.05.04.0

51.MZ15.05.04.0 ●

51.MT15.05.00.C

51.MZ15.05.00.C ●

51.MT15.05.04.C

51.MZ15.05.04.C ●

51.MT15.05.00.B

51.MZ15.05.00.B ●

51.MT15.05.04.B

51.MZ15.05.04.B ●

Available with premounted selftapping screws



I
A
D

51.MT16.05.00.M

51.MZ16.05.00.M ●

51.MT16.05.04.M

51.MZ16.05.04.M ●

51.MT16.05.00.N

51.MZ16.05.00.N ●

51.MT16.05.04.N

51.MZ16.05.04.N ●

51.MT16.05.00.E

51.MZ16.05.00.E ●

51.MT16.05.04.E

51.MZ16.05.04.E ●



I
A
D

51.MT16.05.00.*

51.MZ16.05.00.0 ●

51.MT16.05.04.*

51.MZ16.05.04.0 ●

51.MT16.05.00.S

51.MZ16.05.00.S ●

51.MT16.05.04.S

51.MZ16.05.04.S ●

51.MT16.05.00.B

51.MZ16.05.00.B ●

51.MT16.05.04.B

51.MZ16.05.04.B ●

* 0 = dowels Ø10mm / D = dowels Ø8mm



I
A
D

51.MT18.05.00.V

51.MZ18.05.00.V ●

51.MT18.05.04.V

51.MZ18.05.04.V ●

51.MT18.05.00.U

51.MZ18.05.00.U ●

51.MT18.05.04.U

51.MZ18.05.04.U ●

51.MT18.05.00.Z

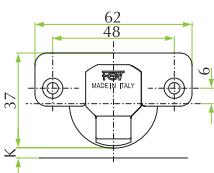
51.MZ18.05.00.Z ●

51.MT18.05.04.Z

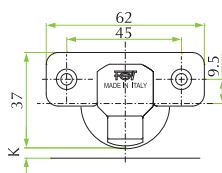
51.MZ18.05.04.Z ●

● = G / Genios Solution

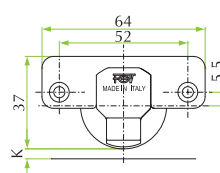
I



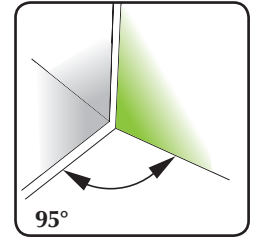
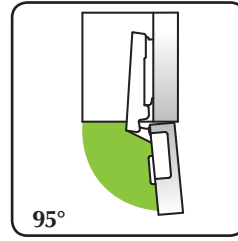
A



D

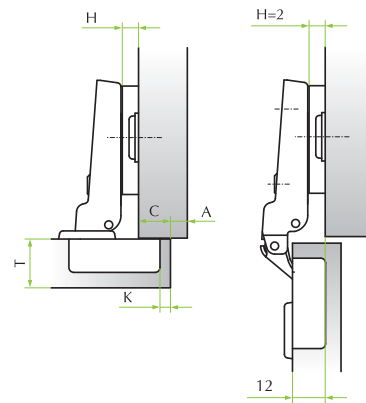
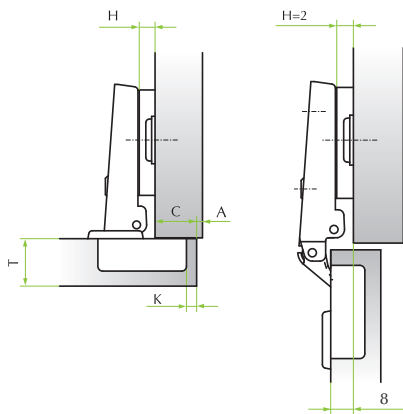


The mounting plates and fittings for this hinge series are shown from page 100 to page 107.



CRANK 0
For lay-on doors

CRANK 4
For partial lay-on doors



		Drilling distance (K)						
		3	4	5	6	7		
Overlay (C)	19			0		2		
	18		0		2			
	17	0		2		4		
	16		2		4			
	15	2		4		6		
	14		4		6			
	13	4		6				
12		6						
11	6						Mounting plates (H)	

		Drilling distance (K)						
		3	4	5	6	7		
Overlay (C)	15			0		2		
	14		0		2			
	13	0		2		4		
	12		2		4			
	11	2		4		6		
	10		4		6			
	9	4		6				
8		6						
7	6						Mounting plates (H)	

Table to determine the minimum distance **A** so that a door with **T** thickness can open without protrusion from the cabinet and without interfering with adjacent doors.

T=	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
K=3 A=	0.00	0.15	0.35	0.5	0.7	0.85	1.15	1.65	2.55	3.40	4.30	5.20	6.15	7.10	8.00
K=4 A=	0.00	0.15	0.30	0.50	0.65	0.85	1.10	1.40	2.10	2.90	3.80	4.65	5.50	6.45	7.40
K=5 A=	0.00	0.15	0.30	0.50	0.65	0.80	1.00	1.35	1.75	2.50	3.30	4.15	5.00	5.90	6.75
K=6 A=	0.00	0.10	0.30	0.45	0.65	0.80	1.00	1.30	1.65	2.15	2.90	3.65	4.50	5.40	6.05
K=7 A=	0.00	0.10	0.30	0.45	0.60	0.80	0.95	1.25	1.60	1.90	2.55	3.30	4.05	4.90	5.75

MS Slide-On 95° Ø35 for thick doors



<<<CRANKS 0, 4 TO PAGE. 76

CRANK 8

CRANK 15



I
A
D

51.MT15.05.08.0

51.MZ15.05.08.0 ●

51.MT15.05.15.0

51.MZ15.05.15.0 ●

51.MT15.05.08.C

51.MZ15.05.08.C ●

51.MT15.05.15.C

51.MZ15.05.15.C ●

51.MT15.05.08.B

51.MZ15.05.08.B ●

51.MT15.05.15.B

51.MZ15.05.15.B ●

Available with premounted selftapping screws



I
A
D

51.MT16.05.08.M

51.MZ16.05.08.M ●

51.MT16.05.15.M

51.MZ16.05.15.M ●

51.MT16.05.08.N

51.MZ16.05.08.N ●

51.MT16.05.15.N

51.MZ16.05.15.N ●

51.MT16.05.08.E

51.MZ16.05.08.E ●

51.MT16.05.15.E

51.MZ16.05.15.E ●



I
A
D

51.MT16.05.08.*

51.MZ16.05.08.0 ●

51.MT16.05.15.*

51.MZ16.05.15.0 ●

51.MT16.05.08.S

51.MZ16.05.08.S ●

51.MT16.05.15.S

51.MZ16.05.15.S ●

51.MT16.05.08.B

51.MZ16.05.08.B ●

51.MT16.05.15.B

51.MZ16.05.15.B ●

* 0 = dowels Ø10mm / D = dowels Ø8mm



I
A
D

51.MT18.05.08.V

51.MZ18.05.08.V ●

51.MT18.05.15.V

51.MZ18.05.15.V ●

51.MT18.05.08.U

51.MZ18.05.08.U ●

51.MT18.05.15.U

51.MZ18.05.15.U ●

51.MT18.05.08.Z

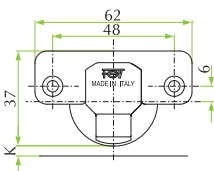
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51.MT18.05.15.Z

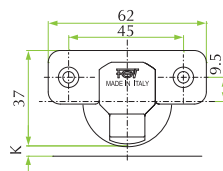
51.MZ18.05.15.Z ●

● = G / Genios Solution

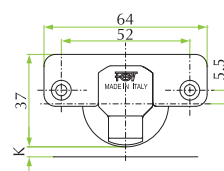
I



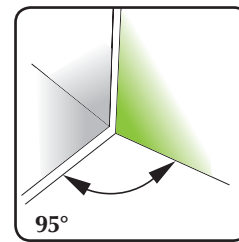
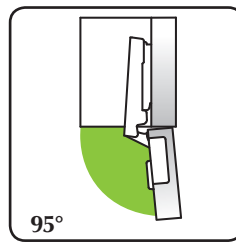
A



D

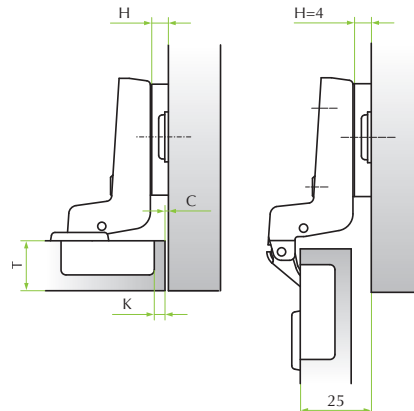
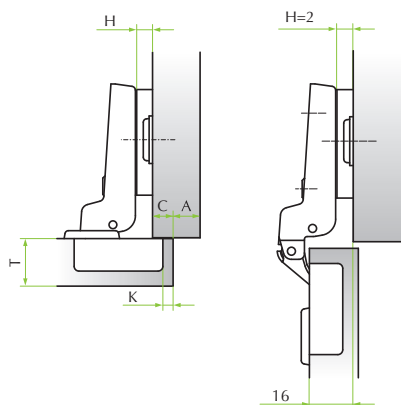


The mounting plates and fittings for this hinge series are shown from page 100 to page 107.



CRANK 8
For partial lay-on doors

CRANK 15
For inset doors



		Drilling distance (K)						
		3	4	5	6	7		
Overlay (C)	11			0		2		
	10		0		2			
	9	0		2		4		
	8		2		4			
	7	2		4		6		
	6		4		6			
	5	4		6				
	4		6					
3	6						Mounting plates (H)	

		Drilling distance (K)						
		3	4	5	6	7		
Overlay (C)	0	2		4		6		
	1		4		6			
	2	4		6				
	3		6					
	4	6						
								Mounting plates (H)

Table to determinate the minimum distance **A** so that a door with **T** thickness can open without protrusion from the cabinet and without interfering with adjacent doors.

T=	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
K=3 A=	0.00	0.15	0.35	0.5	0.7	0.85	1.15	1.65	2.55	3.40	4.30	5.20	6.15	7.10	8.00
K=4 A=	0.00	0.15	0.30	0.50	0.65	0.85	1.10	1.40	2.10	2.90	3.80	4.65	5.50	6.45	7.40
K=5 A=	0.00	0.15	0.30	0.50	0.65	0.80	1.00	1.35	1.75	2.50	3.30	4.15	5.00	5.90	6.75
K=6 A=	0.00	0.10	0.30	0.45	0.65	0.80	1.00	1.30	1.65	2.15	2.90	3.65	4.50	5.40	6.05
K=7 A=	0.00	0.10	0.30	0.45	0.60	0.80	0.95	1.25	1.60	1.90	2.55	3.30	4.05	4.90	5.75

MS Slide-On 110° for corner doors



Technical specifications:

- Depth of the metal cup 11.3mm
- Cup diameter 35mm
- Opening 110°
- Possibility of door drilling (K) from 3 a 7 mm
- Thickness of the door (T) from 16 a 26 mm
- OneTouch solutions

ANGLE -25°



ANGOLO +25°



ANGLES 24°÷30°, 45°, 90° TO PAGE 82 >>>



I
A
D

51.MK85.M5.25.0
51.MK85.M5.25.C
51.MK85.M5.25.B

Available with premounted selftapping screws

51.MS85.05.25.0
51.MS85.05.25.C
51.MS85.05.25.B



I
A
D

51.MK86.M5.25.M
51.MK86.M5.25.N
51.MK86.M5.25.E

51.MS86.05.25.M
51.MS86.05.25.N
51.MS86.05.25.E



I
A
D

51.MK86.M5.25.*
51.MK86.M5.25.S
51.MK86.M5.25.B

* 0 = dowels Ø10mm / D = dowels Ø8mm

51.MS86.05.25.*
51.MS86.05.25.S
51.MS86.05.25.B

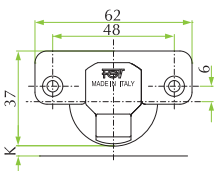


I
A
D

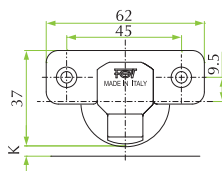
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51.MK88.M5.25.U
51.MK88.M5.25.Z

51.MS88.05.25.V
51.MS88.05.25.U
51.MS88.05.25.Z

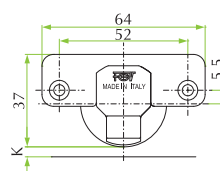
I



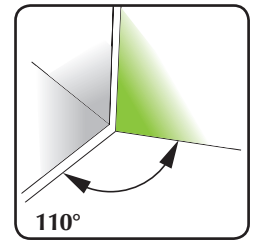
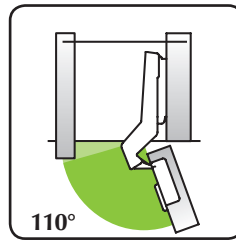
A



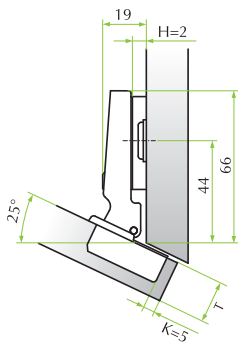
D



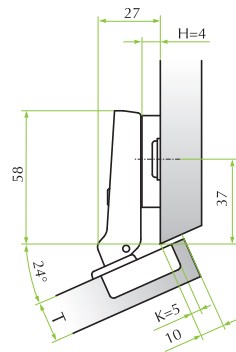
The mounting plates and fittings for this hinge series are shown from page 100 to page 107.



ANGLE -25°



ANGLE -25°



MS Slide-On 110° for corner doors



Technical specifications:

- Depth of the metal cup 11.3mm
- Cup diameter 35mm
- Opening 110°
- Possibility of door drilling (K) from 3 a 7 mm
- Thickness of the door (T) from 16 a 26 mm
- Genios, SlowMotion Alfa and OneTouch solutions

<<< ANGLES -25°, +25°
TO PAGE 80

ANGLE 24° ± 30°

ANGLE 45°

ANGLE 90°



I
A
D

51.MS85.05.30.0 ●
51.MS85.05.30.C ●
51.MS85.05.30.B ●

51.MS85.M5.45.0 ●
51.MS85.M5.45.C ●
51.MS85.M5.45.B ●

51.MS85.M5.90.0 ●
51.MS85.M5.90.C ●
51.MS85.M5.90.B ●

Available with premounted selftapping screws



I
A
D

51.MS86.05.30.M ●
51.MS86.05.30.N ●
51.MS86.05.30.E ●

51.MS86.M5.45.M ●
51.MS86.M5.45.N ●
51.MS86.M5.45.E ●

51.MS86.M5.90.M ●
51.MS86.M5.90.N ●
51.MS86.M5.90.E ●



I
A
D

51.MS86.05.30.* ●
51.MS86.05.30.S ●
51.MS86.05.30.B ●

51.MS86.M5.45.* ●
51.MS86.M5.45.S ●
51.MS86.M5.45.B ●

51.MS86.M5.90.* ●
51.MS86.M5.90.S ●
51.MS86.M5.90.B ●

* 0 = dowels Ø10mm / D = dowels Ø8mm



I
A
D

51.MS88.05.30.V ●
51.MS88.05.30.U ●
51.MS88.05.30.Z ●

51.MS88.M5.45.V ●
51.MS88.M5.45.U ●
51.MS88.M5.45.Z ●

51.MS88.M5.90.V ●
51.MS88.M5.90.U ●
51.MS88.M5.90.Z ●



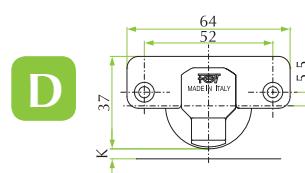
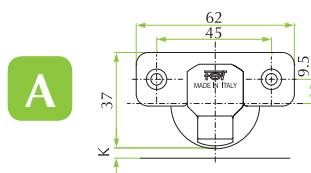
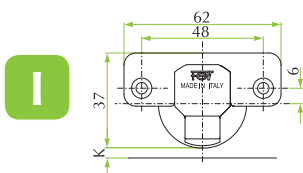
I
A
D

51.MS89.05.30.0 ●
51.MS89.05.30.S ●
51.MS89.05.30.B ●

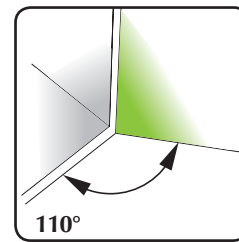
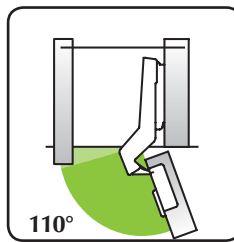
51.MS89.M5.45.0 ●
51.MS89.M5.45.S ●
51.MS89.M5.45.B ●

51.MS89.M5.90.0 ●
51.MS89.M5.90.S ●
51.MS89.M5.90.B ●

● = G / Genios Solution



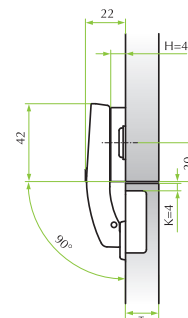
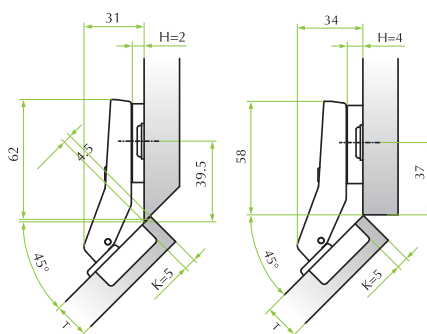
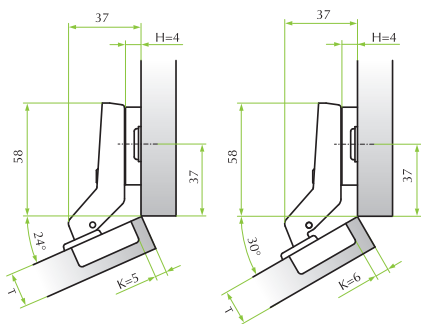
The mounting plates and fittings for this hinge series are shown from page 100 to page 107.



ANGLE 24°÷30°

ANGLE 45°

ANGLE 90°



MS Slide-On for corner cabinet



Technical specifications:

- Depth of the metal cup 11.3mm
- Cup diameter 35mm
- Opening 110° with (K) max 4mm and (T) max 18mm
- Possibility of door drilling (K) from 3 to 7 mm
- Thickness of the door (T) from 16 to 26 mm



I
A
D

51.MS83.M5.35.0

51.MS83.M5.35.C

51.MS83.M5.35.B

Available with premounted selftapping screws



I
A
D

51.MS84.M5.35.M

51.MS84.M5.35.N

51.MS84.M5.35.E



I
A
D

51.MS84.M5.35.*

51.MS84.M5.35.S

51.MS84.M5.35.B

* 0 = dowels Ø10mm / D = dowels Ø8mm



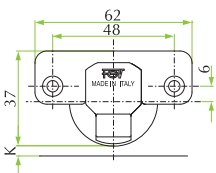
I
A
D

51.MS88.M5.35.V

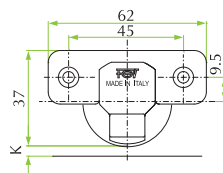
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51.MS88.M5.35.Z

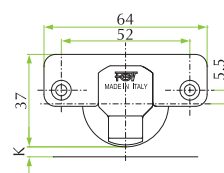
I



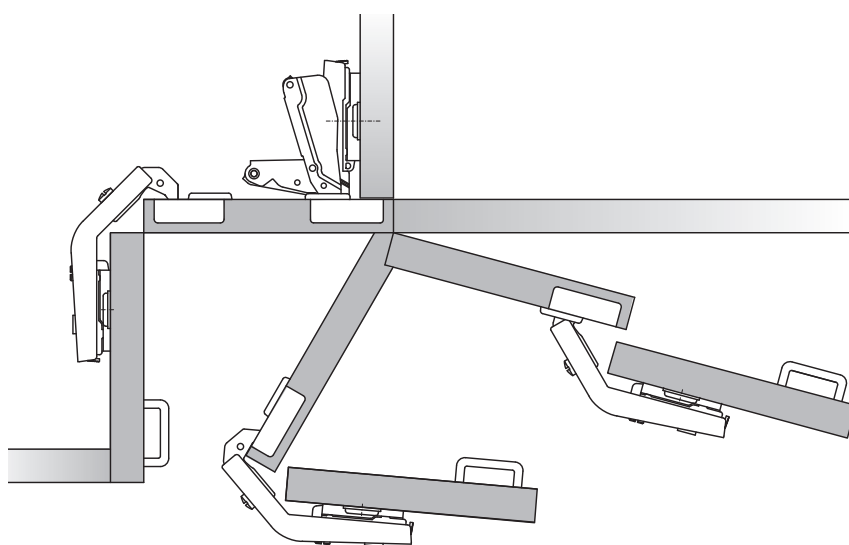
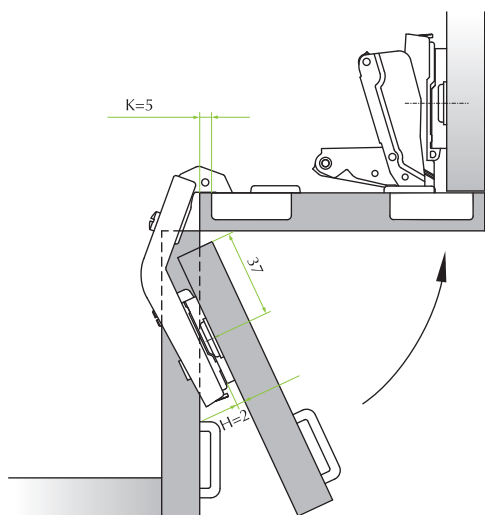
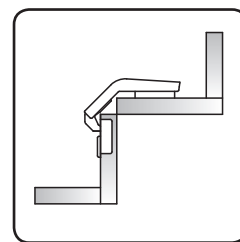
A



D



The mounting plates and fittings for this hinge series are shown from page 100 to page 107.



MS Slide-On 90° Ø40 for thick doors



Technical specifications:

- Depth of the metal cup 12.8mm
- Cup diameter 40mm
- Opening 90°
- Possibility of door drilling (K) from 3 to 15 mm
- Thickness of the door (T) from 16 to 40 mm
- OneTouch solutions

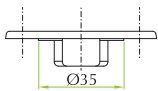
CRANK 0



CRANK 8



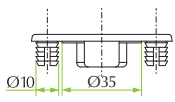
CRANKS 15, 22 TO PAGE 88 >>>



S

51.MN45.05.00.0

51.MN45.05.08.0



S

51.MN46.05.00.0

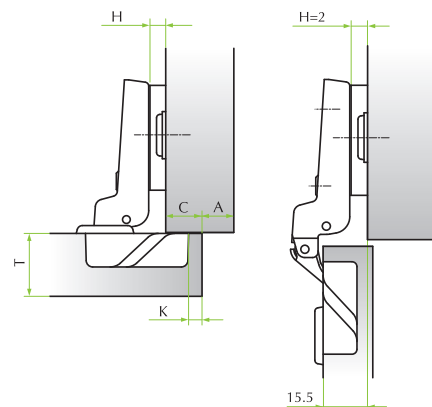
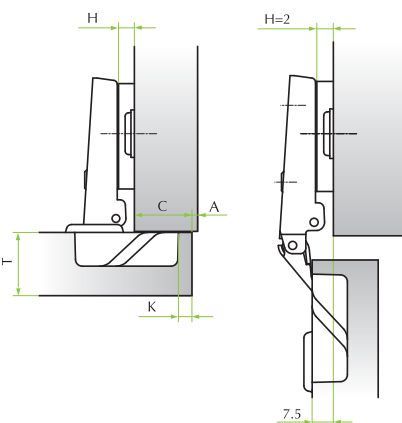
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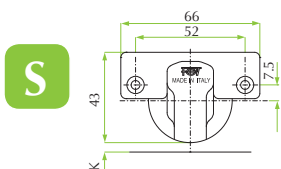
For lay-on doors

CRANK 8

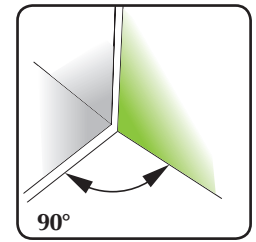
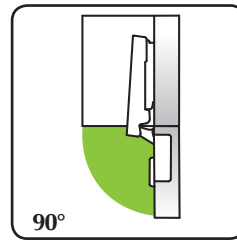
For partial lay-on doors



CUP HOLE DISTANCE 52x7.5mm



The mounting plates and fittings for this hinge series are shown from page 100 to page 107.



CRANK 0
For lay-on doors

		Drilling distance (K)													
		4	5	6	7	8	9	10	11	12	13	14	15		
Overlay (C)	32									0		2			
	31									0		2			
	30									0		2		4	
	29								0		2		4		
	28					0		2		4		6			
	27				0		2		4		6				
	26			0		2		4		6					
	25		0		2		4		6						
	24	0		2		4		6							
	23	0	2		4		6								
	22	2		4		6									
	21	2	4		6										
	20	4		6											
	19	4	6												
	18	6													
17	6														
													Mounting plates (H)		

CRANK 8
For partial lay-on doors

		Drilling distance (K)													
		4	5	6	7	8	9	10	11	12	13	14	15		
Overlay (C)	24									0		2			
	23									0		2		4	
	22									0		2		4	
	21								0		2		4		
	20					0		2		4		6			
	19				0		2		4		6				
	18			0		2		4		6					
	17		0		2		4		6						
	16	0		2		4		6							
	15	0	2		4		6								
	14	2		4		6									
	13	2	4		6										
	12	4		6											
	11	4	6												
	10	6													
9	6														
													Mounting plates (H)		

Table to determinate the minimum distance **A** so that a door with **T** thickness can open without protrusion from the cabinet and without interfering with adjacent doors.

T=	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
K=3 A=	0.20	0.35	0.55	0.70	0.9	1.05	1.25	1.40	1.60	2.25	3.20	4.15	5.05	6.05	7.00	8.00	9.00	9.95	10.95	11.95	12.95
K=4 A=	0.20	0.35	0.50	0.70	0.85	1.05	1.20	1.40	1.55	1.75	2.55	3.45	4.40	5.35	6.30	7.25	8.15	9.15	10.15	11.10	12.10
K=5 A=	0.15	0.35	0.50	0.70	0.85	1.05	1.20	1.40	1.55	1.70	2.05	2.80	3.75	4.70	5.65	6.55	7.50	8.45	9.40	10.35	11.25
K=6 A=	0.15	0.30	0.50	0.65	0.85	1.00	1.20	1.35	1.55	1.70	2.00	2.30	3.10	4.05	4.95	5.90	6.85	7.80	8.75	9.65	10.60
K=7 A=	0.15	0.30	0.50	0.65	0.85	1.00	1.15	1.35	1.50	1.70	1.90	2.25	2.60	3.50	4.35	5.25	6.20	7.15	8.05	9.00	9.95
K=8 A=	0.10	0.30	0.45	0.65	0.8	1.00	1.15	1.35	1.50	1.70	1.85	2.20	2.55	3.00	3.85	4.70	5.60	6.50	7.40	8.35	9.30
K=9 A=	0.10	0.25	0.45	0.60	0.8	0.95	1.15	1.30	1.50	1.65	1.85	2.15	2.50	2.80	3.35	4.20	5.10	5.95	6.80	7.70	8.65
K=10 A=	0.10	0.25	0.45	0.60	0.8	0.95	1.15	1.30	1.50	1.65	1.85	2.10	2.40	2.75	3.10	3.70	4.60	5.45	6.30	7.20	8.05
K=11 A=	0.05	0.25	0.40	0.60	0.75	0.95	1.10	1.30	1.45	1.60	1.80	2.00	2.35	2.70	3.05	3.40	4.10	4.95	5.80	6.70	7.55
K=12 A=	0.05	0.25	0.40	0.60	0.75	0.90	1.10	1.25	1.45	1.60	1.80	1.95	2.30	2.65	3.00	3.35	3.75	4.50	5.30	6.20	7.05
K=13 A=	0.05	0.20	0.40	0.55	0.75	0.90	1.10	1.25	1.45	1.60	1.80	1.95	2.25	2.60	2.90	3.25	3.60	4.15	4.90	5.70	6.55
K=14* A=	0.05	0.20	0.40	0.55	0.70	0.90	1.05	1.25	1.40	1.60	1.75	1.95	2.10	2.50	2.85	3.20	3.55	3.90	4.55	5.35	6.05
K=15* A=	0.00	0.02	0.35	0.55	0.70	0.90	1.05	1.25	1.40	1.55	1.75	1.90	2.10	2.45	2.80	3.15	3.50	3.85	4.25	4.95	5.75

* L= 0,77 • L= 1,76

MS Slide-On 90° Ø40 for thick doors

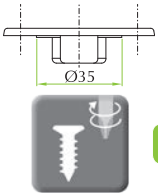


<<< CRANKS 0, 8
TO PAGE 86

CRANK 15



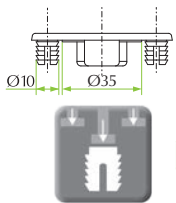
CRANK 22



S

51.MN45.05.15.0

51.MN45.05.22.0

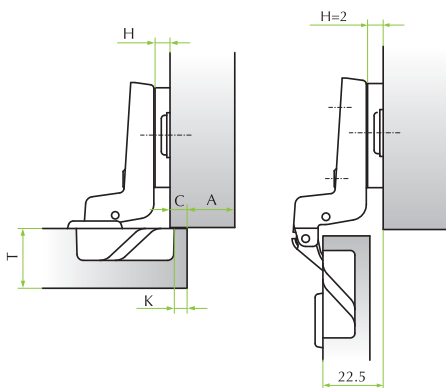


S

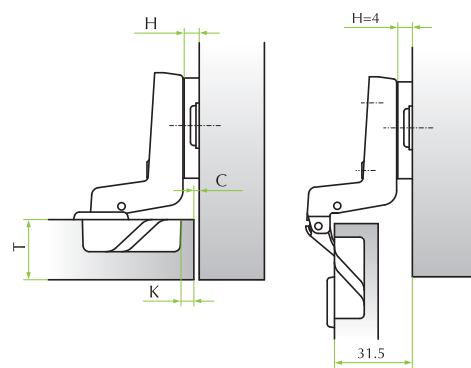
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51.MN46.05.22.0

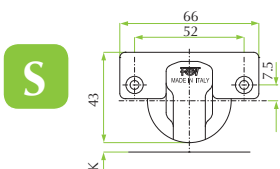
CRANK 15
For lay-on doors



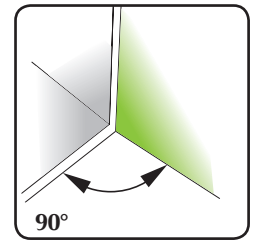
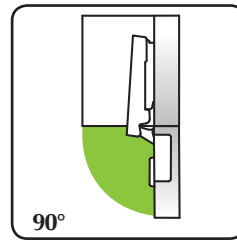
CRANK 22
For partial lay-on doors



CUP HOLE DISTANCE 52x7.5mm



The mounting plates and fittings for this hinge series are shown from page 100 to page 107.



CRANK 15
For lay-on doors

		Drilling distance (K)																
		4	5	6	7	8	9	10	11	12	13	14	15					
Overlay (C)	17										0	2						
	16									0	2							
	15								0	2	4							
	14							0	2	4	6							
	13					0	2	4	6									
	12				0	2	4	6										
	11			0	2	4	6											
	10		0	2	4	6												
	9	0	2	4	6													
	8	0	2	4	6													
	7	2	4	6														
	6	2	4	6														
	5	4	6															
	4	4	6															
	3	6																
2	6																	
																Mounting plates (H)		

CRANK 22
For partial lay-on doors

		Drilling distance (K)																
		4	5	6	7	8	9	10										
Overlay (C)	0		2	4	6													
	1	2	4	6														
	2	4	6															
	3	4	6															
	4	6																
	5	6																
	6																	
																Mounting plates (H)		

Table to determinate the minimum distance **A** so that a door with **T** thickness can open without protrusion from the cabinet and without interfering with adjacent doors.

T=	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
K=3 A=	0.20	0.35	0.55	0.70	0.9	1.05	1.25	1.40	1.60	2.25	3.20	4.15	5.05	6.05	7.00	8.00	9.00	9.95	10.95	11.95	12.95
K=4 A=	0.20	0.35	0.50	0.70	0.85	1.05	1.20	1.40	1.55	1.75	2.55	3.45	4.40	5.35	6.30	7.25	8.15	9.15	10.15	11.10	12.10
K=5 A=	0.15	0.35	0.50	0.70	0.85	1.05	1.20	1.40	1.55	1.70	2.05	2.80	3.75	4.70	5.65	6.55	7.50	8.45	9.40	10.35	11.25
K=6 A=	0.15	0.30	0.50	0.65	0.85	1.00	1.20	1.35	1.55	1.70	2.00	2.30	3.10	4.05	4.95	5.90	6.85	7.80	8.75	9.65	10.60
K=7 A=	0.15	0.30	0.50	0.65	0.85	1.00	1.15	1.35	1.50	1.70	1.90	2.25	2.60	3.50	4.35	5.25	6.20	7.15	8.05	9.00	9.95
K=8 A=	0.10	0.30	0.45	0.65	0.8	1.00	1.15	1.35	1.50	1.70	1.85	2.20	2.55	3.00	3.85	4.70	5.60	6.50	7.40	8.35	9.30
K=9 A=	0.10	0.25	0.45	0.60	0.8	0.95	1.15	1.30	1.50	1.65	1.85	2.15	2.50	2.80	3.35	4.20	5.10	5.95	6.80	7.70	8.65
K=10 A=	0.10	0.25	0.45	0.60	0.8	0.95	1.15	1.30	1.50	1.65	1.85	2.10	2.40	2.75	3.10	3.70	4.60	5.45	6.30	7.20	8.05
K=11 A=	0.05	0.25	0.40	0.60	0.75	0.95	1.10	1.30	1.45	1.60	1.80	2.00	2.35	2.70	3.05	3.40	4.10	4.95	5.80	6.70	7.55
K=12 A=	0.05	0.25	0.40	0.60	0.75	0.90	1.10	1.25	1.45	1.60	1.80	1.95	2.30	2.65	3.00	3.35	3.75	4.50	5.30	6.20	7.05
K=13 A=	0.05	0.20	0.40	0.55	0.75	0.90	1.10	1.25	1.45	1.60	1.80	1.95	2.25	2.60	2.90	3.25	3.60	4.15	4.90	5.70	6.55
K=14* A=	0.05	0.20	0.40	0.55	0.70	0.90	1.05	1.25	1.40	1.60	1.75	1.95	2.10	2.50	2.85	3.20	3.55	3.90	4.55	5.35	6.05
K=15* A=	0.00	0.02	0.35	0.55	0.70	0.90	1.05	1.25	1.40	1.55	1.75	1.90	2.10	2.45	2.80	3.15	3.50	3.85	4.25	4.95	5.75

* L= 0,77 • L= 1,76

MS Slide-On 90° Ø26 for wood doors



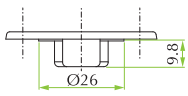
Technical specifications:

- Depth of the metal cup 11.7mm
- Cup diameter 26mm
- Opening 90°
- Possibility of door drilling (K) from 3 to 5 mm
- Thickness of the door (T) from 16 to 26 mm

CRANK 0

CRANK 8

CRANK 15

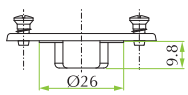


51.MG15.05.00.0

51.MG15.05.08.0

51.MG15.05.15.0

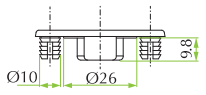
Available with premounted selftapping screws



51.MG16.05.00.M

51.MG16.05.08.M

51.MG16.05.15.M



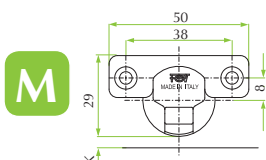
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51.MG16.05.08.*

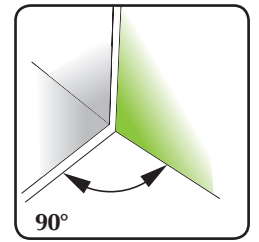
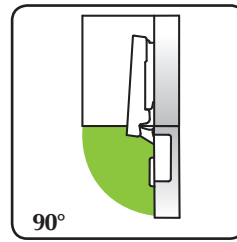
51.MG16.05.15.*

* 0 = dowels Ø10mm / D = dowels Ø8mm

CUP HOLE DISTANCE 38x8mm



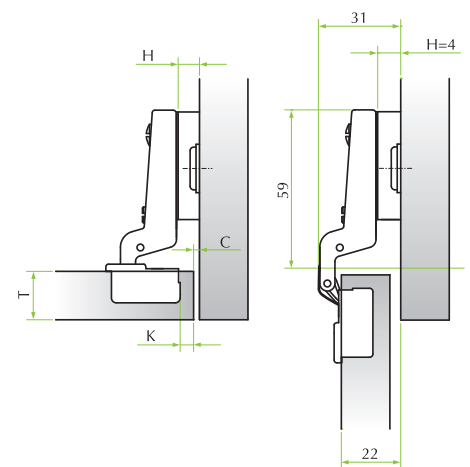
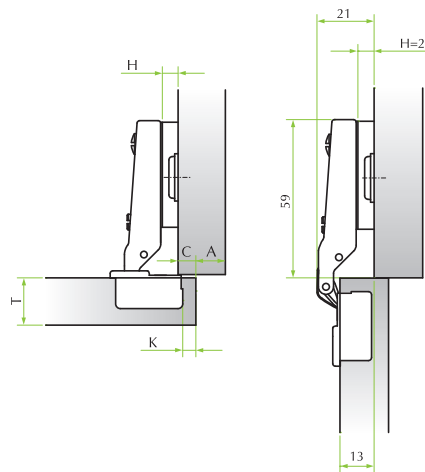
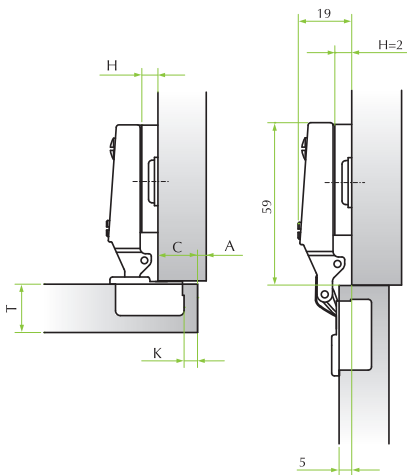
The mounting plates and fittings for this hinge series are shown from page 100 to page 107.



CRANK 0
For lay-on doors

CRANK 8
For partial lay-on doors

CRANK 15
For inset doors



		Drilling distance (K)									
		3	4	5	6						
Overlay (C)	19				0						
	18			0							
	17		0		2						
	16	0		2							
	15		2		4						
	14		2		4						
	13		4		6						
	12		4		6						
	11		6								
10	6										
Mounting plates (H)											

		Drilling distance (K)									
		3	4	5	6						
Overlay (C)	11				0						
	10				0						
	9		0		2						
	8	0		2							
	7		2		4						
	6		2		4						
	5		4		6						
	4		4		6						
	3		6								
2	6										
Mounting plates (H)											

		Drilling distance (K)									
		3	4	5	6						
Overlay (C)	0		2		4						
	1	2		4							
	2		4		6						
	3		4		6						
	4		6								
	5		6								
Mounting plates (H)											

Table to determinate the minimum distance **A** so that a door with **T** thickness can open without protrusion from the cabinet and without interfering with adjacent doors.

	T=	16	17	18	19	20	21	22	23	24	25	26
K=3	A=	0.80	1.45	2.15	3.10	3.90	4.85	5.75	6.70	7.65	8.60	9.55
K=4	A=	0.75	1.25	1.75	2.55	3.30	4.20	5.10	6.05	7.00	7.95	8.85
K=5	A=	0.65	1.05	1.40	2.20	2.95	3.75	4.55	5.45	6.35	7.25	8.20

MS Slide-On 90° Ø26 for glass doors



Technical specifications:

- Thickness of the glass doors (T) from 4 to 5 mm
- Cup diameter 26mm
- Opening 90°
- Possibility of door drilling (K) from 3 a 5 mm

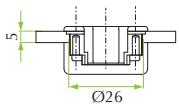
CRANK 0



CRANK 8



CRANK 15



NYLON
(glass)



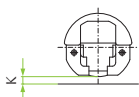
51.MG11.2*.00.0

51.MG11.2*.08.0

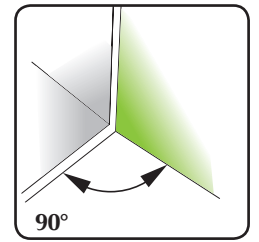
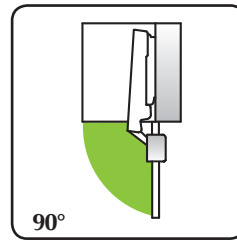
51.MG11.2*.15.0

* 1 = White / 3 = Black

NYLON (glass)



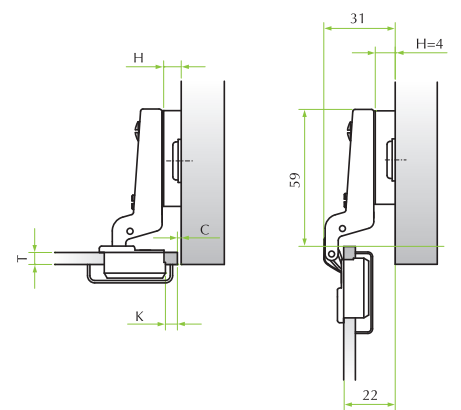
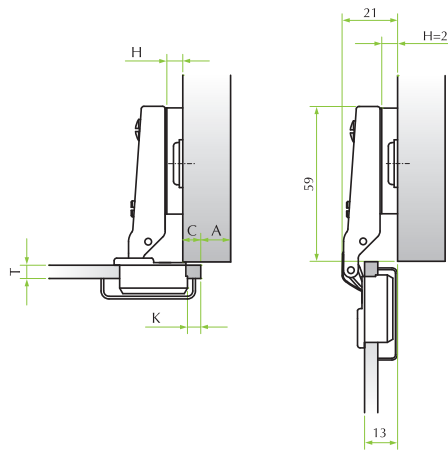
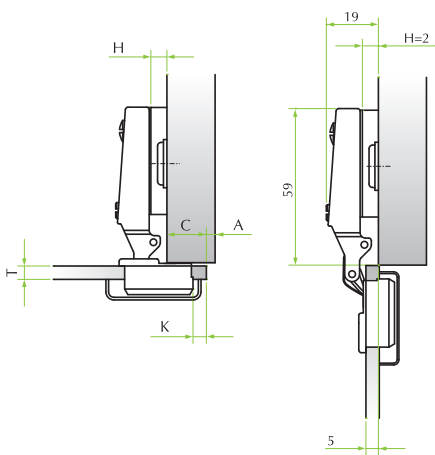
The mounting plates and fittings for this hinge series are shown from page 100 to page 107.



CRANK 0
For lay-on doors

CRANK 8
For partial lay-on doors

CRANK 15
For inset doors



		Drilling distance (K)							
		3	4	5	6				
Overlay (C)	19				0				
	18			0					
	17		0	2					
	16	0	2						
	15	2	4						
	14	4	6						
	13	6							
	12								
	11								
10									
					Mounting plates (H)				

		Drilling distance (K)							
		3	4	5	6				
Overlay (C)	11				0				
	10			0					
	9		0	2					
	8	0	2						
	7	2	4						
	6	4	6						
	5	6							
	4								
	3								
	2								
						Mounting plates (H)			

		Drilling distance (K)							
		3	4	5	6				
Overlay (C)	0		2	4					
	1	2	4						
	2	4	6						
	3	6							
	4								
	5								
					Mounting plates (H)				

Table to determinate the minimum distance **A** so that a door with **T** thickness can open without protrusion from the cabinet and without interfering with adjacent doors.

	T=	16	17	18	19	20	21	22	23	24	25	26
K=3	A=	0.80	1.45	2.15	3.10	3.90	4.85	5.75	6.70	7.65	8.60	9.55
K=4	A=	0.75	1.25	1.75	2.55	3.30	4.20	5.10	6.05	7.00	7.95	8.85
K=5	A=	0.65	1.05	1.40	2.20	2.95	3.75	4.55	5.45	6.35	7.25	8.20

MS Slide-On 105° for doors with aluminium frame



Technical specifications:

- Depth of the zamak cup 9.9mm
- Cup drilling 28x7mm
- Opening 105°
- Aluminium frame from min. 19 to max 25 mm
- Genios and OneTouch solutions

FIXING FOR GROOVED PROFILE

CRANK 0



51.MS41.05.00.0 ●

CRANK 8



51.MS41.05.08.0 ●

CRANK 15

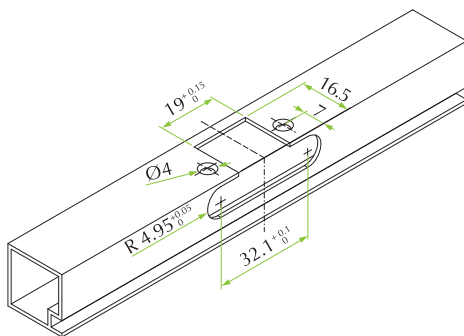


51.MS41.05.15.0 ●

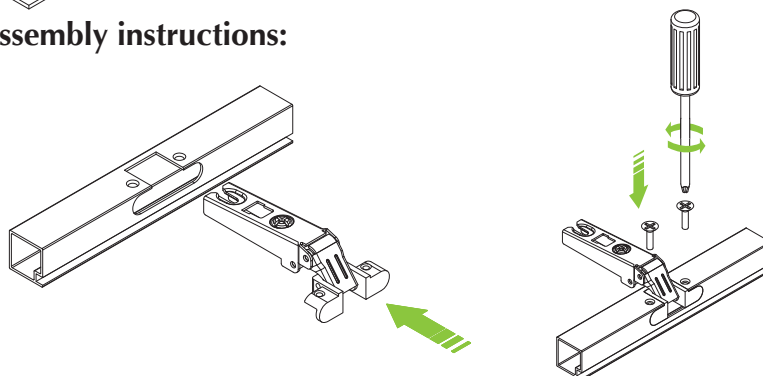
● = G / Genios Solution

Drilling holes:

The two laterals drillings are $\varnothing 4$ mm and are countersunk with 120°. Screws 3.5x12mm supplied on demand under code 1A05512105000.



Assembly instructions:



The mounting plates and fittings for this hinge series are shown from page 100 to page 107.

MS Slide-On 105° for doors with aluminium frame



Technical specifications:

- Depth of the zamak cup 9.9mm
- Opening 105°
- Aluminium frame from min. 19 to max 25 mm

LOCK FIXING

CRANK 0



51.MS31.05.00.0

CRANK 8



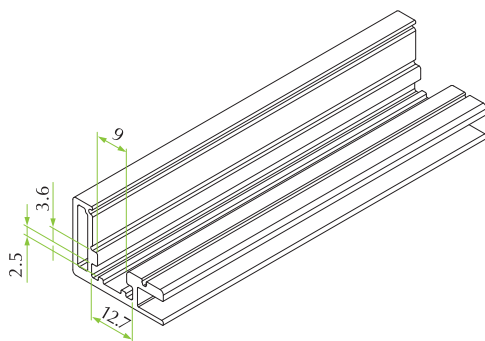
51.MS31.05.08.0

CRANK 15

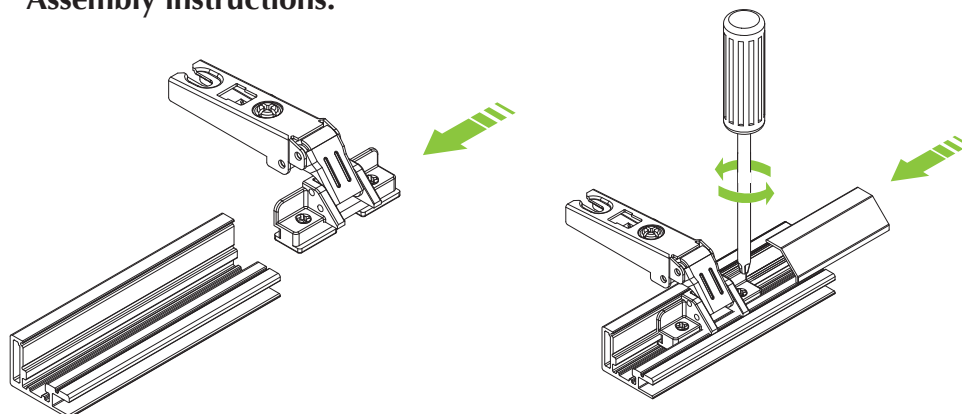


51.MS31.05.15.0

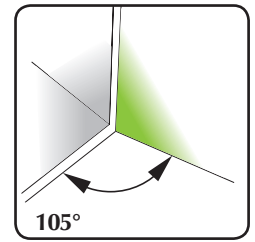
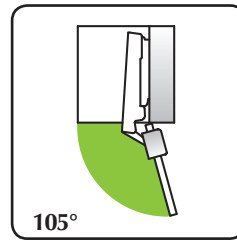
Aluminium frame:



Assembly instructions:



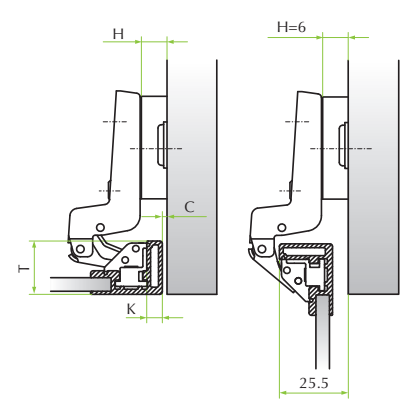
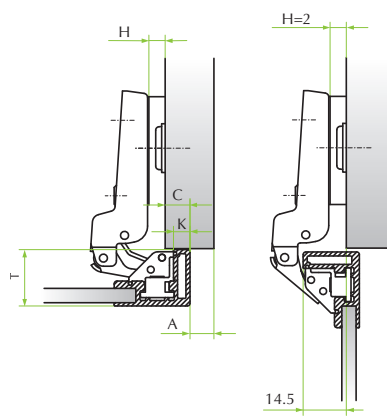
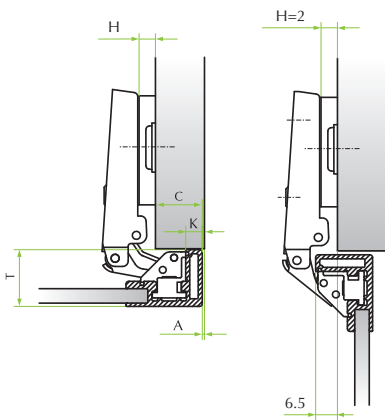
The mounting plates and fittings for this hinge series are shown from page 100 to page 107.



CRANK 0
For lay-on doors

CRANK 8
For partial lay-on doors

CRANK 15
For inset doors



		Drilling distance (K)						
		3	4	5	6	7		
Overlay (C)	19					2		
	18				2			
	17			2	4			
	16		2	4				
	15	2	4	6				
	14	4	6					
	13	4	6					
	12	6						
11	6							
		Mounting plates (H)						

		Drilling distance (K)						
		3	4	5	6	7		
Overlay (C)	11					2		
	10				2			
	9			2	4			
	8		2	4				
	7	2	4	6				
	6	4	6					
	5	4	6					
	4	6						
3	6							
		Mounting plates (H)						

		Drilling distance (K)						
		3	4	5	6	7		
Overlay (C)	0	2	4	6				
	1	4	6					
	2	4	6					
	3	6						
	4	6						
		Mounting plates (H)						

Table to determine the minimum distance A so that a door with T thickness can open without protrusion from the cabinet and without interfering with adjacent doors.

T=	16	17	18	19	20	22	23	24	25	26	27
K=3 A=	0.55	0.75	1.10	1.45	1.80	2.40	3.10	3.90	4.70	6.70	6.50
K=4 A=	0.55	0.70	1.05	1.40	1.75	2.25	2.85	3.60	4.35	5.75	6.00
K=5 A=	0.53	0.70	1.00	1.35	1.65	2.10	2.65	3.30	4.00	4.75	5.55
K=6 A=	0.50	0.70	0.95	1.25	1.60	2.00	2.50	3.05	3.70	4.40	5.20
K=7 A=	0.50	0.65	0.85	1.20	1.55	1.90	2.35	2.85	3.45	4.10	4.80

MS Slide-On 95° for flap doors



Technical specifications:

- Depth of the metal cup 11.3mm
- Cup diameter 35mm
- Possibility of door drilling (K) from 3 to 7 mm
- Thickness of the door (T) from 16 to 26 mm

LEFT



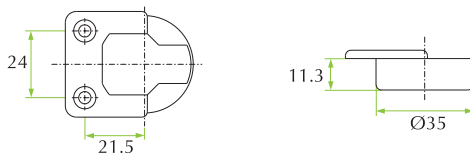
51.MN57.L9.00000

RIGHT

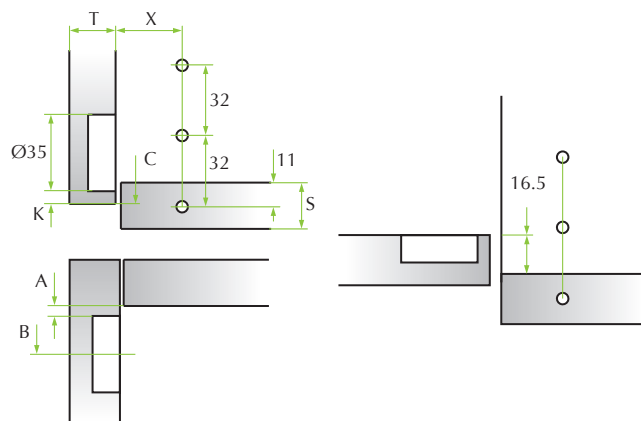


51.MN57.R9.00000

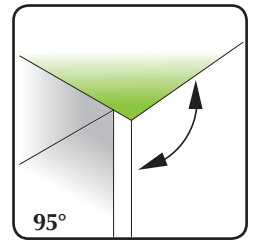
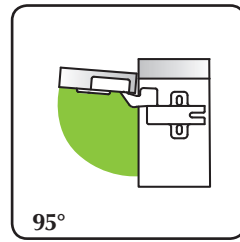
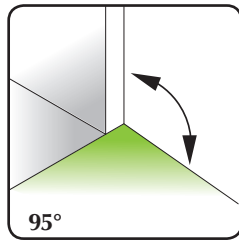
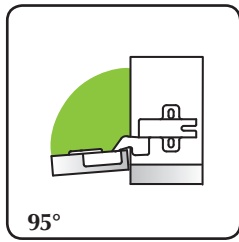
Drilling holes:



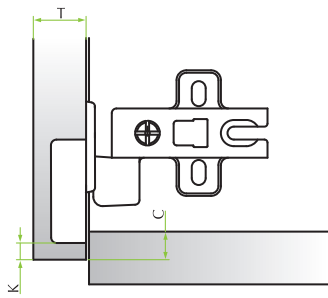
Assembly instructions:



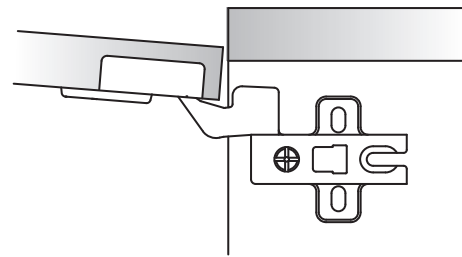
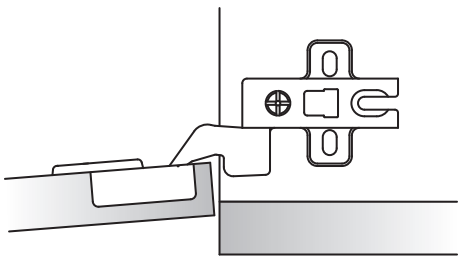
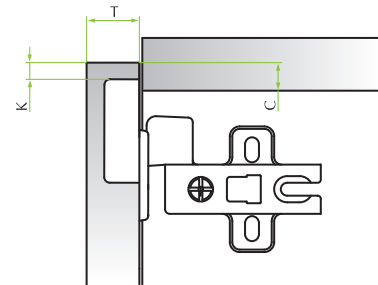
The mounting plates and fittings for this hinge series are shown from page 100 to page 107.



DOWN SOLUTION



UP SOLUTION

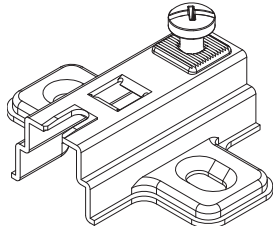


K	C	H	A	B
3	4.5	2	2.5	20
4	5.5	4	4.5	22
5	6.5	6	6.5	24
6	7.5			
7	8.5			

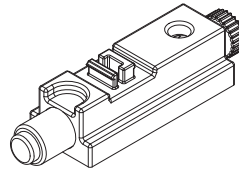
Serie MS Slide-On

HOW TO CHOOSE YOUR MOUNTING PLATE

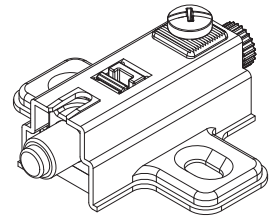
GENIOS **R**  SLIDE-ON RETROFIT MOUNTING PLATE



SLIDE-ON GENIOS DAMPER 



GENIOS **G** SLIDE-ON INTEGRATED MOUNTING PLATE 



Genios Slide-On damper for Genios Slide-On Retrofit mounting plate



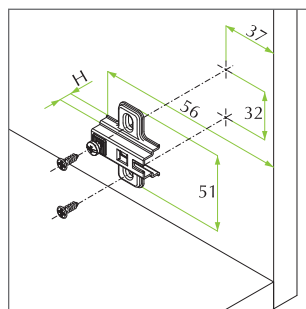
Height	Code
H=2	59.050G.10.02.00000
H=4	59.050G.10.04.00000
H=6	59.050G.10.06.00000




Metal cruciform mounting plate. Selftapping screw fixing. Vertical adjustment.



Screws are provided on demand.



37



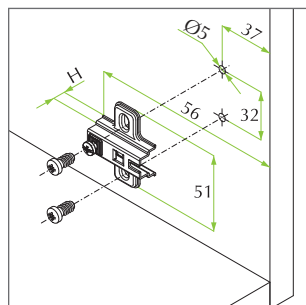
Height	Material	Code
H=0	Steel	52.C201.M5.00.1
H=2	Steel	52.0201.M5.02.1 
H=4	Steel	52.0201.M5.04.1 
H=6	Steel	52.0201.M5.06.1 
H=10	Zamak	52.0201.05.10.1




 = R / Genios Retrofit Solution
 / Genios Integrated Solution

Metal cruciform mounting plate. Euro screws premounted. Vertical adjustment.



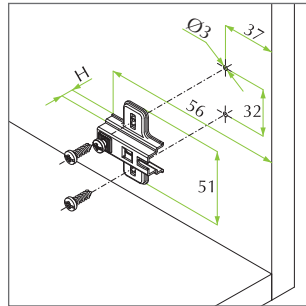
37



Height	Material	Code
H=0	Steel	52.C216.M5.00.*
H=2	Steel	52.0216.M5.02.* 
H=4	Steel	52.0216.M5.04.* 
H=6	Steel	52.0216.M5.06.* 
H=10	Zamak	52.0216.05.10.*
H=24	Zamak	52.0216.05.24.*

* C =  D =  H =   = R / Genios Retrofit Solution
 / Genios Integrated Solution

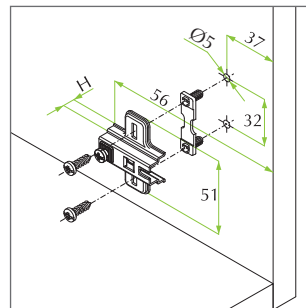
Metal cruciform mounting plate. Premounted selftapping screws Ø4.7mm. Vertical adjustment.



Height	Material	Code
H=0	Steel	52.C2G5.M5.00.1
H=2	Steel	52.02G5.M5.02.1 ●
H=4	Steel	52.02G5.M5.04.1 ●
H=6	Steel	52.02G5.M5.06.1 ●

● = R / Genios Retrofit Solution
G / Genios Integrated Solution

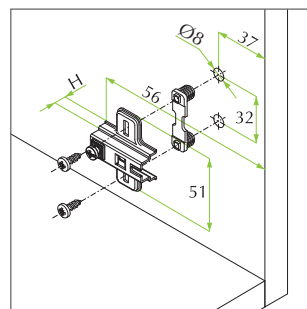
Metal cruciform mounting plate. Fixing by expanding X-Pando dowels Ø5mm. Vertical adjustment.



Height	Material	Code
H=0	Steel	52.C2N5.M5.00.*
H=2	Steel	52.02N5.M5.02.* ●
H=4	Steel	52.02N5.M5.04.* ●
H=6	Steel	52.02N5.M5.06.* ●
H=10	Zamak	52.02N5.05.10.*

* 1 = 9.2 3 = 7.5 ● = R / Genios Retrofit Solution
G / Genios Integrated Solution
Available only for dowel 9.2

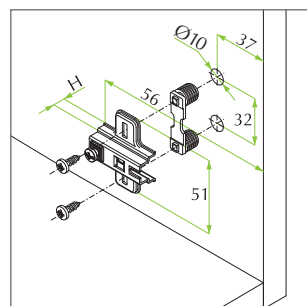
Metal cruciform mounting plate. Knock-in fixing with dowels Ø8mm. Vertical adjustment.



Height	Material	Code
H=0	Steel	52.C2*5.M5.00.1
H=2	Steel	52.02*5.M5.02.1 ●
H=4	Steel	52.02*5.M5.04.1 ●
H=6	Steel	52.02*5.M5.06.1 ●
H=10	Zamak	52.02*5.05.10.1

* C = 10.8 E = 7.5 ● = R / Genios Retrofit Solution
G / Genios Integrated Solution
Available only for dowel 10.8

Metal cruciform mounting plate. Knock-in fixing with dowels Ø10mm. Vertical adjustment.



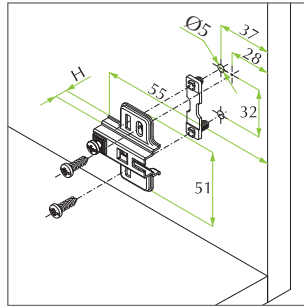
Height	Material	Code
H=0	Steel	52.C2*5.M5.00.1
H=2	Steel	52.02*5.M5.02.1 ●
H=4	Steel	52.02*5.M5.04.1 ●
H=6	Steel	52.02*5.M5.06.1 ●
H=10	Zamak	52.02*5.05.10.1

* D = 10.8 F = 8.5 ● = R / Genios Retrofit Solution
G / Genios Integrated Solution
Available only for dowel 10.8

Serie MS Slide-On

Asymmetric mounting plate for central panel. Fixing by dowels and selftapping screws. Vertical adjustment.

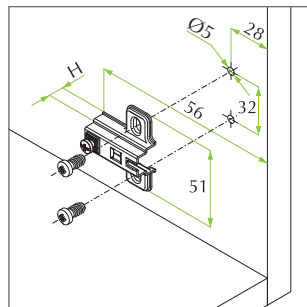
37



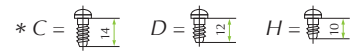
Height	Material	Code
H=2	Steel	52.52N7.M5.02.1
H=4	Steel	52.52N7.M5.04.1

Metal cruciform mounting plate. Euro screws premounted. Vertical adjustment.

28

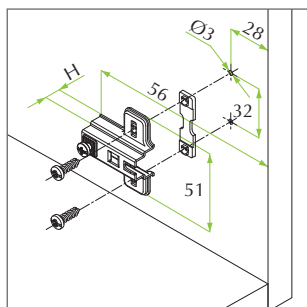


Height	Material	Code
H=4	Steel	52.0221.M5.04.*



Metal cruciform mounting plate. Premounted selftapping screws Ø4.7mm. Vertical adjustment.

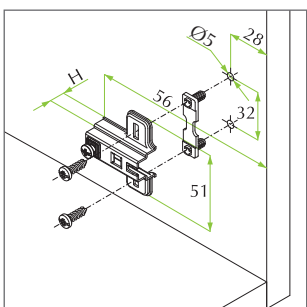
28



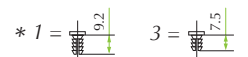
Height	Material	Code
H=4	Steel	52.02G1.M5.04.1

Metal cruciform mounting plate. Fixing by expanding X-Pando dowels Ø5mm. Vertical adjustment.

28

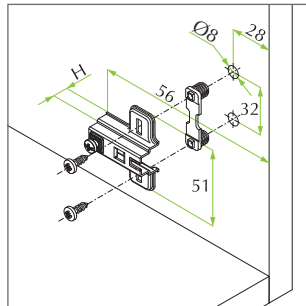


Height	Material	Code
H=4	Steel	52.02N1.M5.04.*



Metal cruciform mounting plate. Knock-in fixing with dowels Ø8mm. Vertical adjustment.

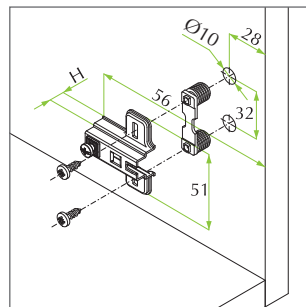
28



Height	Material	Code
H=4	Steel	52.02C1.M5.04.1

Metal cruciform mounting plate. Knock-in fixing with dowels Ø10mm. Vertical adjustment.

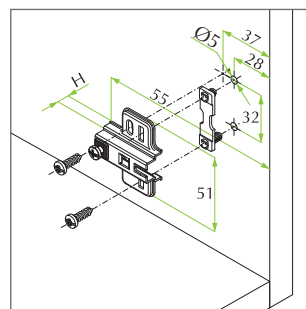
28



Height	Material	Code
H=4	Steel	52.02D1.M5.04.1

Asymmetric mounting plate for central panel. Fixing by dowels and selftapping screws. Vertical adjustment.

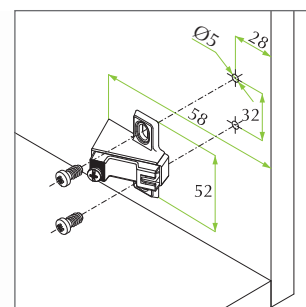
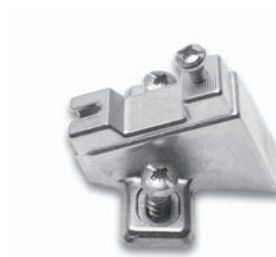
28



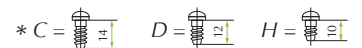
Height	Material	Code
H=2	Steel	52.52N3.M5.02.1
H=4	Steel	52.52N3.M5.04.1

Zamak cruciform mounting plate with 30° inclination. Euro screws premounted. Vertical adjustment.

28

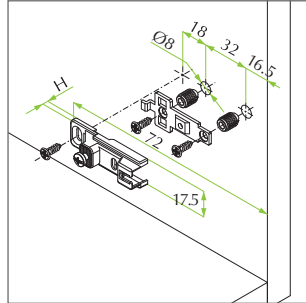
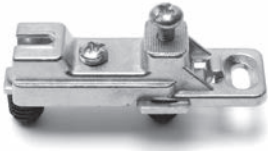


Angolo	Material	Code
30°	Zamak	52.0266.05.24.*



Serie MS Slide-On

Zamak linear mounting plate. Knock-in fixing with dowels $\text{\O}8\text{mm}$. Independent vertical adjustment.



Height

H=2

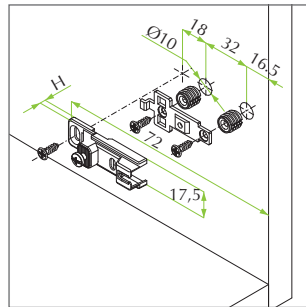
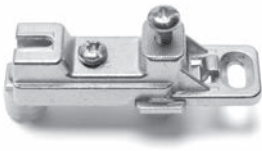
Material

Zamak

Code

52.0209.05.02.1

Zamak linear mounting plate. Knock-in fixing with dowels $\text{\O}10\text{mm}$. Independent vertical adjustment.



Height

H=2

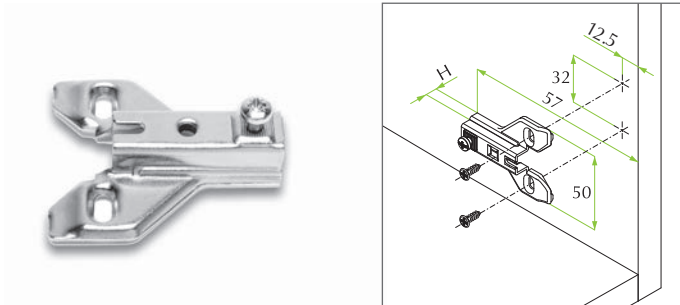
Material

Zamak

Code

52.0210.05.02.1

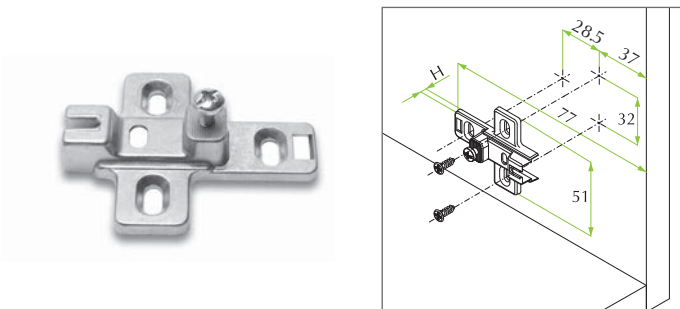
Metal mounting plate. Selftapping screw fixing. Vertical adjustment.
Screws are provided on demand.



Height	Material	Code
H=2	Steel	52.0232.M5.02.1
H=5	Zamak	52.0232.05.05.1

Zamak cruciform mounting plate. Selftapping screw fixing. Vertical adjustment.
Screws are provided on demand.

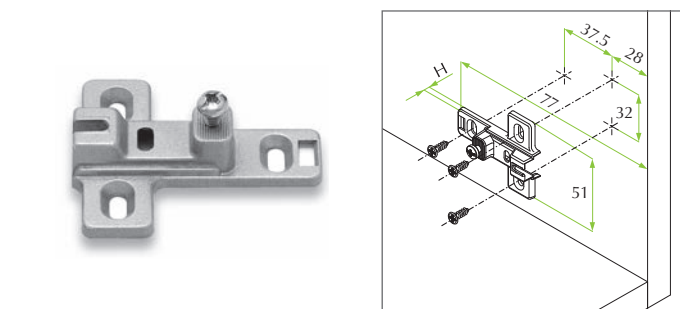
37



All applications are available on demand.

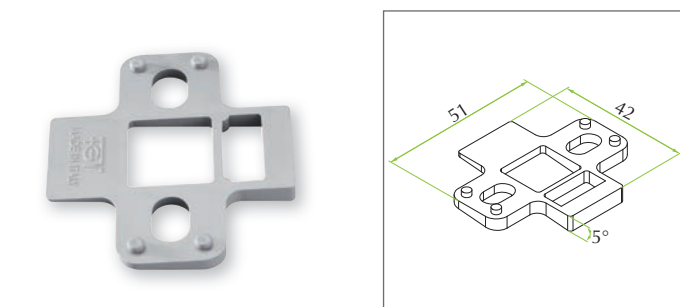
Zamak cruciform mounting plate. Selftapping screw fixing. Vertical adjustment.
Screws are provided on demand.

28



All applications are available on demand.

Spacer for mounting plates.



Material	Code
Nylon	52.0SP6.06.05.000

Stackable to get multiples of 5°.

Serie MS Slide-On

Round face plate for glass door hinge.



Colour	Code
Bright chrome	51.0150.05.01R.00
Matt chrome	51.0150.0G.01R.00
Bright gold	51.0150.04.01R.00
Black painted	51.0150.08.01R.00
Black RAL 9005	51.0150.0T.01R.00
White RAL 9016	51.0150.01.01R.00
Metallized bright chrome	51.0150.0K.01R.00
Metallized bright gold	51.0150.0H.01R.00
Matt chrome painted	51.0150.0J.01R.00
Matt nickel	51.0150.06.01R.00

Oval face plate for glass door hinge.



Colour	Code
Bright chrome	51.0150.05.01D.00
Matt chrome	51.0150.0G.01D.00
Bright gold	51.0150.04.01D.00
Black painted	51.0150.08.01D.00
Black RAL 9005	51.0150.0T.01D.00
White RAL 9016	51.0150.01.01D.00
Metallized bright chrome	51.0150.0K.01D.00
Metallized bright gold	51.0150.0H.01D.00
Matt chrome painted	51.0150.0J.01D.00
Matt nickel	51.0150.06.01D.00

Plastic or Steel hinge arm cover.



Material	Code
Plastic	51.0M.00010.0000
Steel	51.0Y.00050.000N
Steel with FGV Logo*	51.0YFGV.5.0000000

*Customer logo on demand

Steel cover for hinge box.



Cup hole dist.	Material	Code
48-45	Steel	510C000500000
52	Steel	510C000500B00

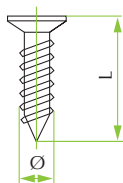
Ø35mm cover.



Material	Code
Nylon	5307C3**00000

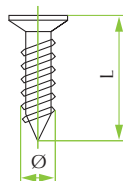
** Color code: A1 = White RAL 9010 / A2 = Brown RAL 8016 / C6 = Grey RAL 7004 / OI = Painted matt aluminium

Selftapping screws with Pozi drive head, nickel for hinge and mounting plate fixing.



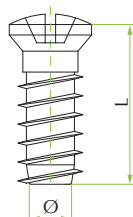
Ø	Length	Material	Code
4	12.5	Steel	1A035034150CF
4	15.5	Steel	1A035034250CF

Euro screws with Pozi drive head, nickel for mounting plate fixing.



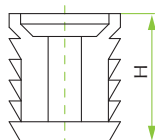
Ø	Length	Material	Code
6.3	10	Steel	1A075029350CF
6.3	12	Steel	1A075108250CF
6.3	14	Steel	1A075108150CF

Euro screws with Pozi drive head, nickel for hinge fixing.



Ø	Length	Material	Code
6.3	12	Steel	1A075130050CF

Dowel in nylon for hinge fixing.



Ø	Height	Material	Code
10	12	Nylon	2H011070530CF
8	11	Nylon	2H000449003CF



QS *Mini*

The right size

Low depth cup for thin doors

Wide range 3D door adjustment

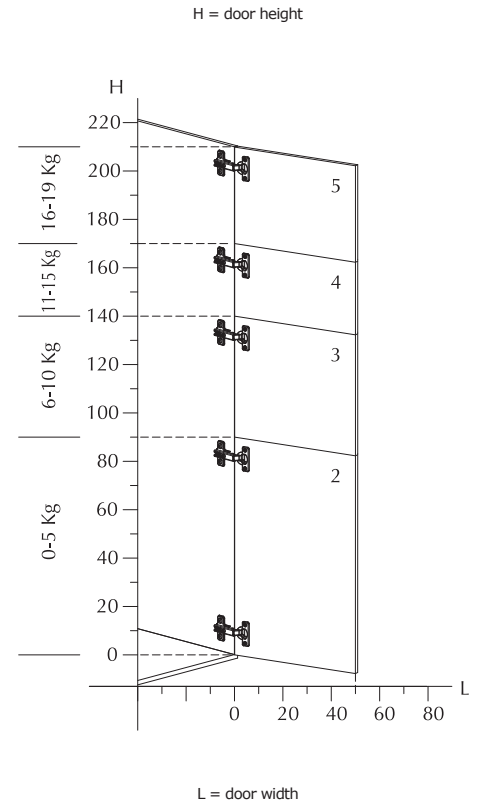
Large range of cup-fixing methods

Complete range of hinges & mounting plates

Hinges with Ø26mm cup size are compact, performing and cost efficient. The small size allows the use on extra thin doors, but the performance is good enough to cover also standard doors in all usual sizes.

QS mini-hinges are the perfect solution for bathroom, bedroom and living room applications with entry level to mid-level specifications. With pre-mounted euro-screws or self-taping screws, they are the perfect flat-pack furniture hinge.

QS Mini



Mounting System



1 Place the rear part of the hinge on the front side of the mounting plate.

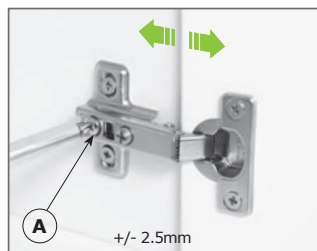


2 Let the hinge slide on the mounting plate until it stops.

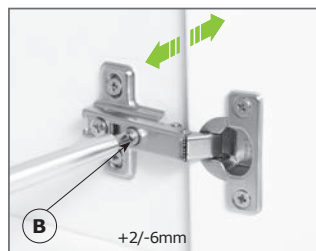


3 Tighten the connecting screw.

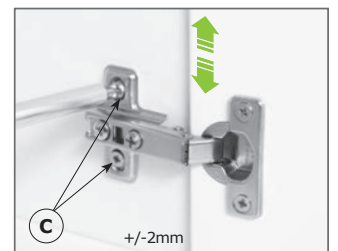
Adjusting System



Front adjustment
Acting on the "A" screw it is possible to adjust the distance between the side of the cabinet and the door.



Independent side adjustment
Acting on the "B" screw it is possible to change the amount of the door covering on the side of the cabinet.



Vertical adjustment
Acting on the "C" screw of the mounting plate it is possible to adjust the door vertically.

INDEX

FOR WOOD DOORS
105° Ø26



Summary table

p. 112

Product detail

p. 114

FOR WOOD CORNER
90°



Summary table

p. 112

Product detail

p. 116

SPECIAL SOLUTIONS

FOR GLASS DOORS
105° Ø26



Summary table

p. 113

Product detail

p. 118

FOR GLASS CORNER
90°



Summary table

p. 113

Product detail

p. 120

FOR DOORS WITH
ALUMINIUM FRAME
105°



Summary table

p. 113

Product detail

p. 122

ZIP FIXING
SYSTEM

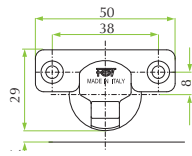


Summary table

p. 113

**Cup hole distance
38x8mm**

M

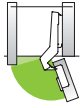


FOR WOOD DOORS 105° Ø26



Crank 0		p. 114	p. 114	p. 114	p. 114	p. 114
Crank 8		p. 114	p. 114	p. 114	p. 114	p. 114
Crank 15		p. 114	p. 114	p. 114	p. 114	p. 114

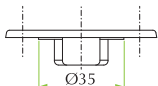
FOR WOOD CORNER DOORS 90°



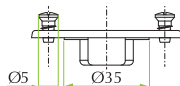
Angle 24°±30°		p. 116	p. 116	p. 116	p. 116	p. 116
Angle 45°		p. 116	p. 116	p. 116	p. 116	p. 116
Angle 90°		p. 116	p. 116	p. 116	p. 116	p. 116



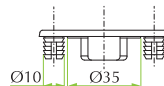
**SELFTAPPING
SCREW**



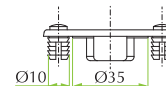
**EURO
SCREW**



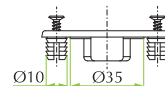
DOWEL



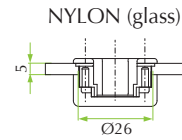
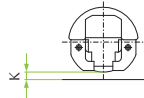
**VELOFIX
DOWEL**



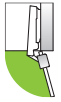
**X-PANDO
DOWEL**



SPECIAL SOLUTIONS



FOR GLASS DOORS OPENING 105° Ø26



Crank 0



p. 118

Crank 8

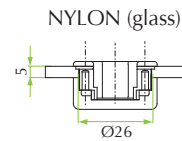
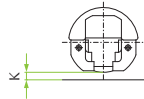


p. 118

Crank 15



p. 118



FOR CORNER CABINET - GLASS OPENING 90°



Angle 24°±30°



p. 120

Angle 45°



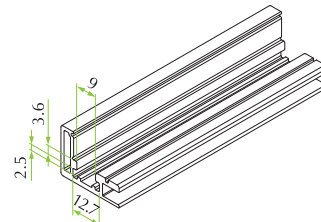
p. 120

Angle 90°



p. 120

LOCK FIXING



FOR DOORS WITH ALUMINIUM FRAME OPENING 105°



Crank 0



p. 122

Crank 8



p. 122

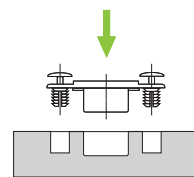
Crank 15



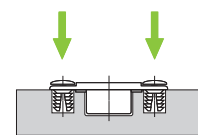
p. 122

ZIP FIXING SYSTEM

The Zip dowels allow a no-tool mounting of the hinge.



Insert by hand the hinge on the door.



Push to fix the hinge.

The hinges with Zip fixing system are available on demand. Please contact the FGV Customer Service.

QS Mini 105° Ø26 for wood doors



Technical specifications:

- Depth of the metal cup 9.8mm
- Cup diameter 26mm
- Opening 105° with (K) max 4mm and (T) max 18mm
- Possibility of door drilling (K) from 3 to 6 mm
- Thickness of the door (T) from 12 to 26 mm

CRANK 0

CRANK 8

CRANK 15



M

51.QS15.05.00.02000

51.QS15.05.08.0200

51.QS15.05.15.02000

Available with premounted selftapping screws



M

51.QS16.05.00.M2000

51.QS16.05.08.M2000

51.QS16.05.15.M2000



M

51.QS16.05.00.*2000

51.QS16.05.08.*2000

51.QS16.05.15.*2000

* 0 = dowels Ø10mm / D = dowels Ø8mm



M

51.QS18.05.00.V2000

51.QS18.05.08.V2000

51.QS18.05.15.V2000



M

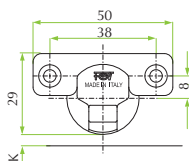
51.QS19.05.00.*2052

51.QS19.05.08.*2052

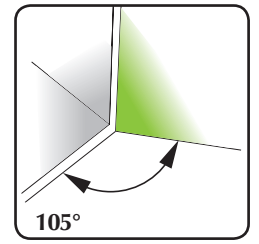
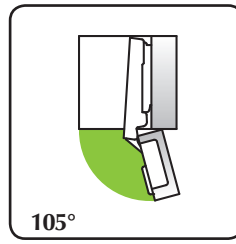
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* 0 = dowels Ø10mm / D = dowels Ø8mm

M



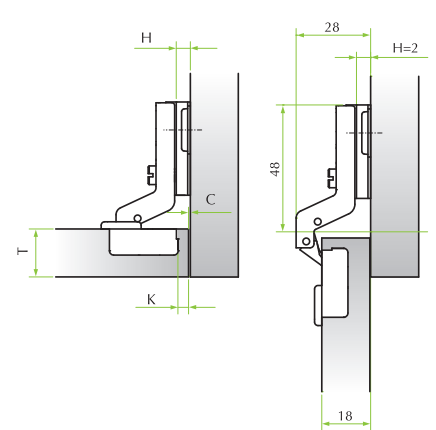
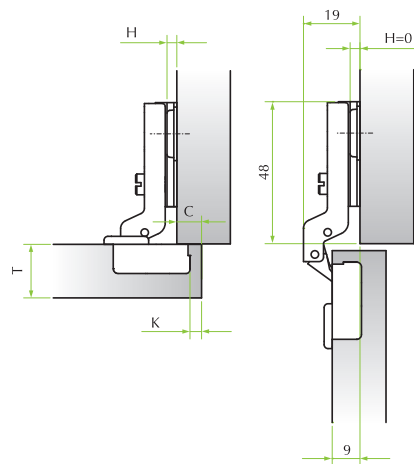
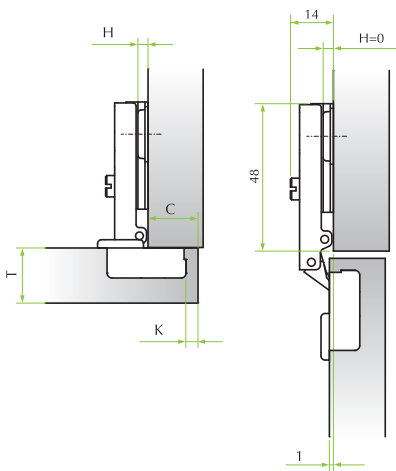
The mounting plates and fittings for this hinge series are shown from page 124 to page 127.



CRANK 0
For lay-on doors

CRANK 8
For partial lay-on doors

CRANK 15
For inset doors



		Drilling distance (K)					
		3	4	5	6		
Overlay (C)	19				0		
	18			0			
	17		0	2			
	16	0	2				
	15	2	4				
	14	4	6				
	13	6					
	12	8					
	11	10					
10	12						
							Mounting plates (H)

		Drilling distance (K)					
		3	4	5	6		
Overlay (C)	11				0		
	10			0			
	9		0	2			
	8	0	2				
	7	2	4				
	6	4	6				
	5	6					
	4	8					
	3	10					
	2	12					

		Drilling distance (K)					
		3	4	5	6		
Overlay (C)	0		2	4			
	1	2	4				
	2	4	6				
	3	6					
	4	8					
	5	10					
							Mounting plates (H)

Table to determinate the minimum distance **A** so that a door with **T** thickness can open without protrusion from the cabinet and without interfering with adjacent doors.

	T=	16	17	18	19	20	21	22	23	24	25	26
K=3	A=	1.6	2.25	3	3.85	4.7	5.6	6.5	7.4	8.35	9.3	10.2
K=4	A=	1.55	2.1	2.75	3.5	4.3	5.15	6	6.9	7.8	8.7	9.65
K=5	A=	1.45	1.9	2.5	3.15	3.9	4.7	5.5	6.35	7.25	8.15	9.05
K=6	A=	1.4	1.8	2.3	2.9	3.55	4.3	5.1	5.9	6.75	7.6	8.5

QS Mini 90° for wood corner doors



Technical specifications:

- Depth of the metal cup 11.7mm
- Cup diameter 26mm
- Opening 90°
- Possibility of door drilling (K) from 3 to 5 mm
- Thickness of the door (T) from 12 to 26 mm

ANGLE 24°±30°



ANGLE 45°



ANGLE 90°



M

51.QS15.05.24.00000

51.QS15.05.45.00000

51.QS15.M5.90.02000

Available with premounted selftapping screws



M

51.QS16.05.24.M0000

51.QS16.05.45.M0000

51.QS16.M5.90.M2000



M

51.QS16.05.24.*2000

51.QS16.05.45.*2000

51.QS16.M5.90.*2000

* 0 = dowels Ø10mm / D = dowels Ø8mm



M

51.QS18.05.24.V0000

51.QS18.05.45.V0000

51.QS18.M5.90.V2000



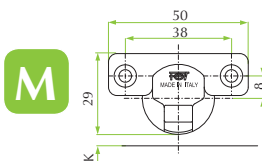
M

51.QS19.05.24.*0052

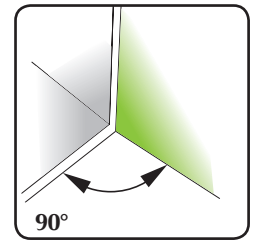
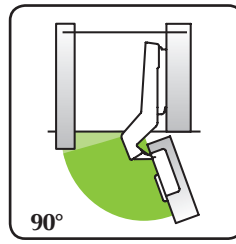
51.QS19.05.45.*0052

51.QS19.M5.90.*2052

* 0 = dowels Ø10mm / D = dowels Ø8mm



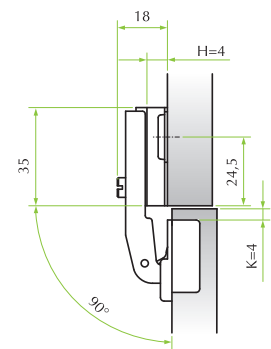
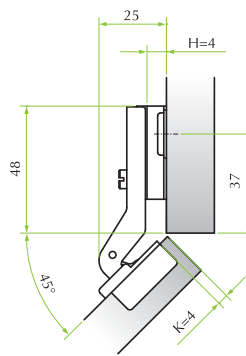
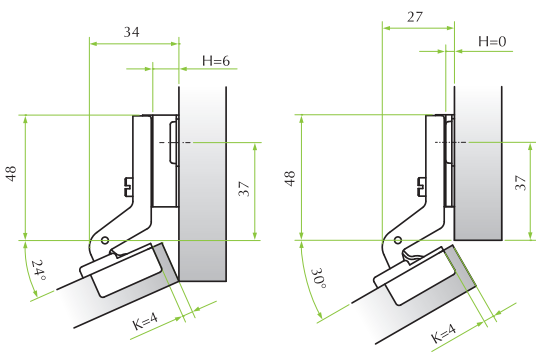
The mounting plates and fittings for this hinge series are shown from page 124 to page 127.



ANGLE 24°±30°

ANGLE 45°

ANGLE 90°



QS Mini 105° for glass doors



Technical specifications:

- Nylon cup
- Cup diameter 26mm
- Opening 105°
- Possibility of door drilling (K) from 3 to 6 mm
- Thickness of the glass door (T) from 4 to 5 mm

CRANK 0



CRANK 8



CRANK 15



NYLON
(glass)

N

51.QS51.2*.00.0200

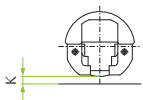
51.QS51.2*.08.0200

51.QS51.2*.15.0200

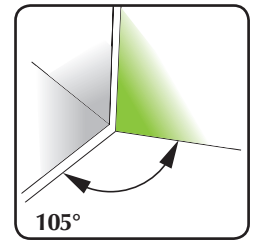
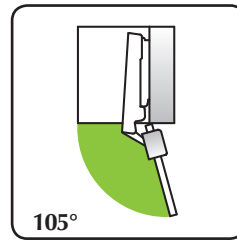
* 1 = White / 3 = Black

NYLON (glass)

N



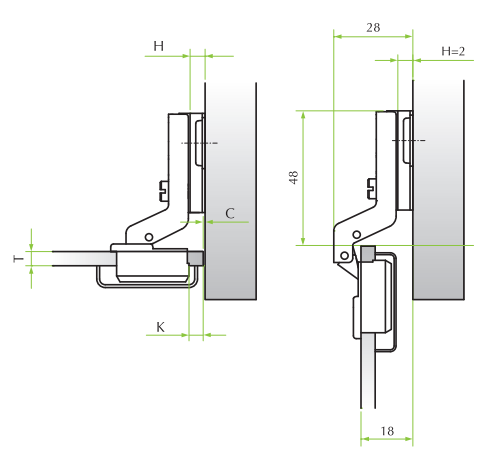
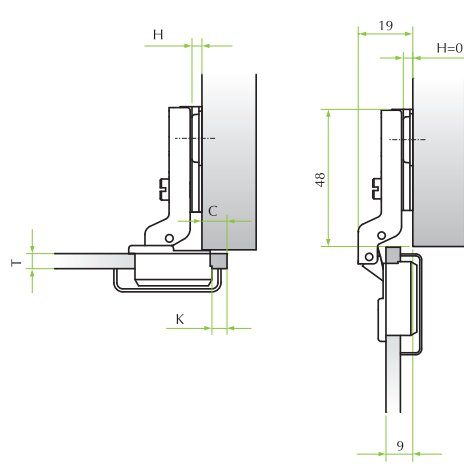
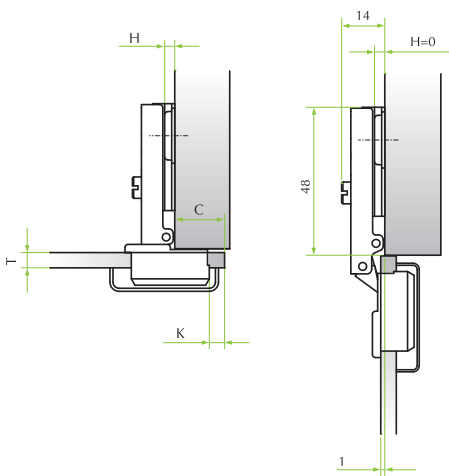
The mounting plates and fittings for this hinge series are shown from page 124 to page 127.



CRANK 0
For lay-on doors

CRANK 8
For partial lay-on doors

CRANK 15
For inset doors



Overlay (C)	Drilling distance (K)					
	3	4	5	6		
19				0		
18			0			
17		0	2			
16	0	2				
15	2	4				
14	4	6				
13	6					
12						
11						
10						

Mounting plates (H)

Overlay (C)	Drilling distance (K)					
	3	4	5	6		
11				0		
10			0			
9		0	2			
8	0	2				
7	2	4				
6	4	6				
5	6					
4						
3						
2						

Mounting plates (H)

Overlay (C)	Drilling distance (K)					
	3	4	5	6		
0		2	4			
1	2	4				
2	4	6				
3	6					
4						
5						

Mounting plates (H)

QS Mini 90° for glass corner doors



Technical specifications:

- Nylon cup
- Cup diameter 26mm.
- Opening 90°
- Possibility of door drilling (K) from 3 a 5 mm.
- Thickness of the glass door (T) from 4 to 5 mm.

ANGLE 24°±30°



ANGLE 45°



ANGLE 90°



NYLON
(glass)

N

51.QS51.2*.24.0000

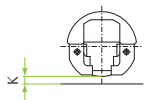
51.QS51.2*.45.0000

51.QS51.2*.90.0000

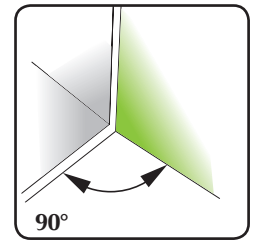
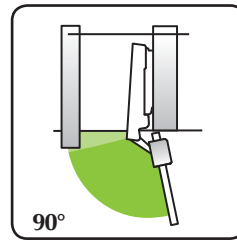
* 1 = White / 3 = Black

NYLON (glass)

N



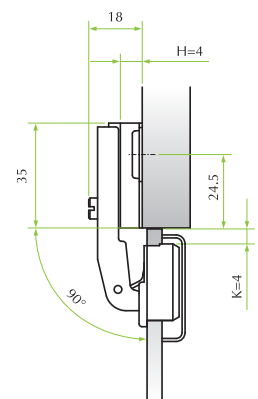
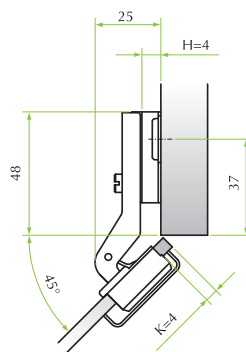
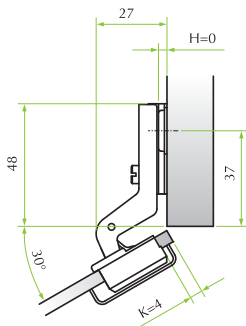
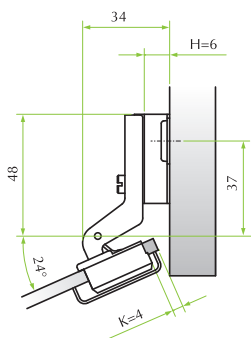
The mounting plates and fittings for this hinge series are shown from page 124 to page 127.



ANGLE 24°÷30°

ANGLE 45°

ANGLE 90°



QS Mini 105° for doors with aluminium frame

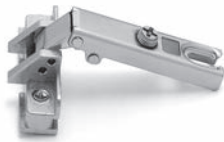


Technical specifications:

- Opening 105°
- Aluminium frame (K) min. 3 to 6 mm

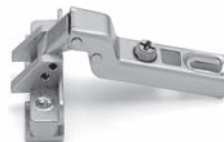
LOCK FIXING

CRANK 0



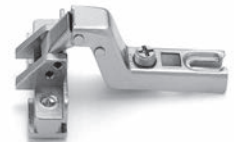
51.QS31.05.00.02000

CRANK 8



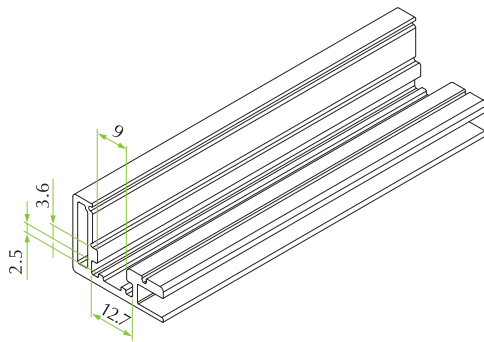
51.QS31.05.08.02000

CRANK 15

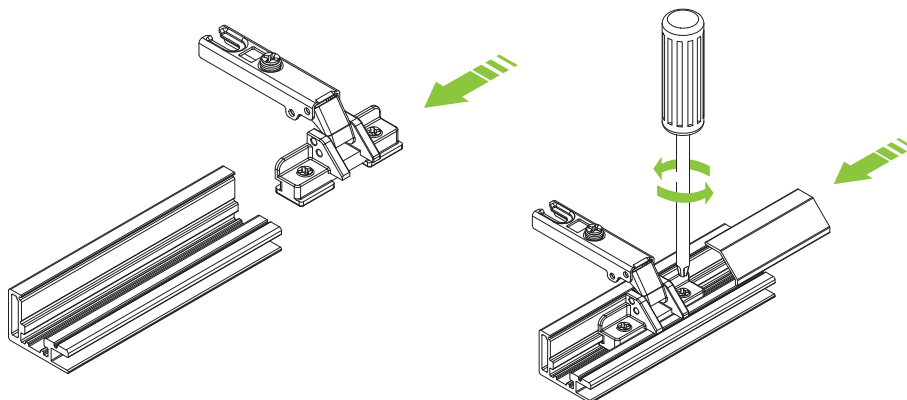


51.QS31.05.15.02000

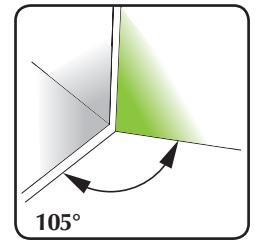
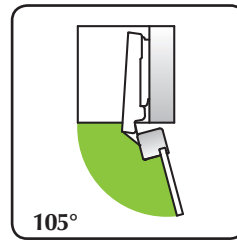
Aluminium frame:



Assembly instructions:



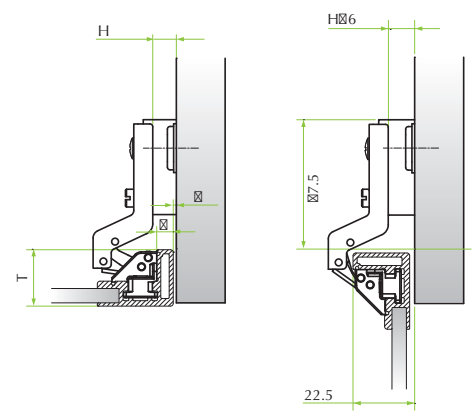
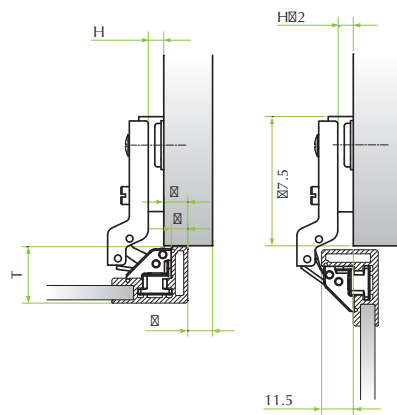
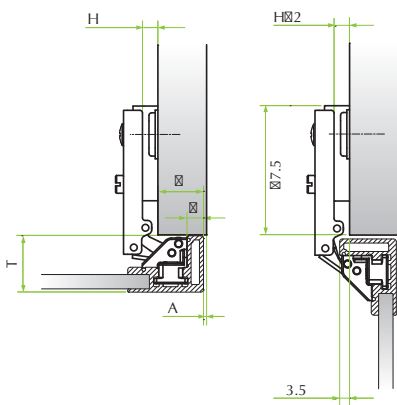
The mounting plates and fittings for this hinge series are shown from page 124 to page 127.



CRANK 0
For lay-on doors

CRANK 8
For partial lay-on doors

CRANK 15
For inset doors



Overlay (C)	Drilling distance (K)				Mounting plates (H)
	3	4	5	6	
19				0	
18			0		
17		0	2		
16	0	2			
15	2	4			
14	4	6			
13	6				
12	8				
11	10				
10	12				

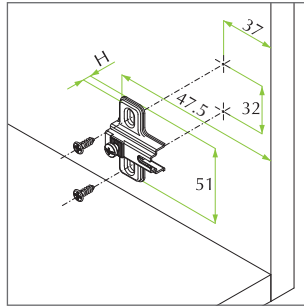
Overlay (C)	Drilling distance (K)				Mounting plates (H)
	3	4	5	6	
11				0	
10			0		
9		0	2		
8	0	2			
7	2	4			
6	4	6			
5	6				
4	8				
3	10				
2	12				

Overlay (C)	Drilling distance (K)				Mounting plates (H)
	3	4	5	6	
0		2	4		
1	2	4			
2	4	6			
3	6				
4	8				
5	10				
	12				
	14				
	16				
	18				
	20				

Metal cruciform mounting plate. Selftapping screw fixing. Vertical adjustment.

Screws are provided on demand.

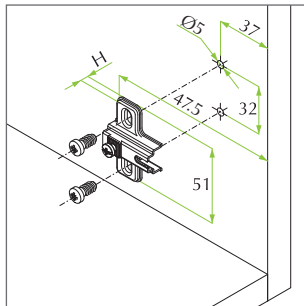
37



Height	Material	Code
H=0	Steel	52.0301.M5.00.1
H=2	Steel	52.0301.M5.02.1
H=4	Steel	52.0301.M5.04.1
H=6	Steel	52.0301.M5.06.1

Metal cruciform mounting plate. Euro screws premounted. Vertical adjustment.

37

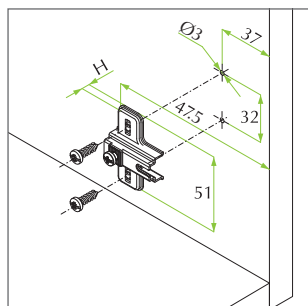


Height	Material	Code
H=0	Steel	52.0316.M5.00.*
H=2	Steel	52.0316.M5.02.*
H=4	Steel	52.0316.M5.04.*
H=6	Steel	52.0316.M5.06.*

* C =  H = 

Metal cruciform mounting plate. Premounted selftapping screws Ø4.7mm. Vertical adjustment.

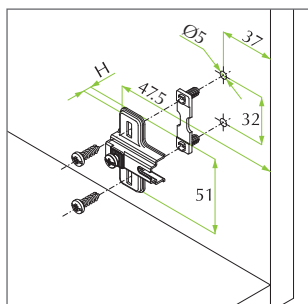
37



Height	Material	Code
H=0	Steel	52.03G5.M5.00.1
H=2	Steel	52.03G5.M5.02.1
H=4	Steel	52.03G5.M5.04.1
H=6	Steel	52.03G5.M5.06.1

Metal cruciform mounting plate. Fixing by expanding X-Pando dowels Ø5mm. Vertical adjustment.

37

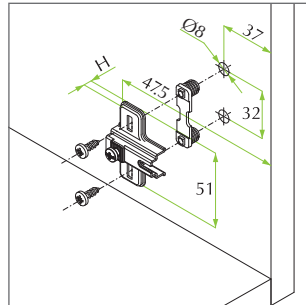


Height	Material	Code
H=0	Steel	52.03N5.M5.00.*
H=2	Steel	52.03N5.M5.02.*
H=4	Steel	52.03N5.M5.04.*
H=6	Steel	52.03N5.M5.06.*

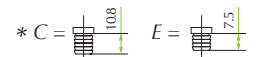
* 1 =  3 = 

Metal cruciform mounting plate. Knock-in fixing with dowels Ø8mm. Vertical adjustment.

37

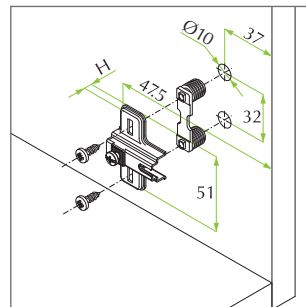


Height	Material	Code
H=0	Steel	52.03*5.M5.00.1
H=2	Steel	52.03*5.M5.02.1
H=4	Steel	52.03*5.M5.04.1
H=6	Steel	52.03*5.M5.06.1

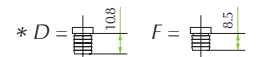


Metal cruciform mounting plate. Knock-in fixing with dowels Ø10mm. Vertical adjustment.

37

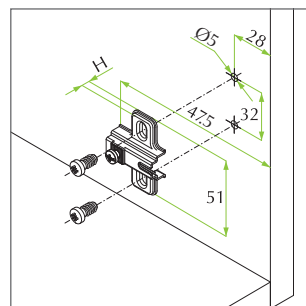
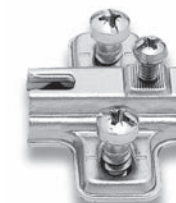


Height	Material	Code
H=0	Steel	52.03*5.M5.00.1
H=2	Steel	52.03*5.M5.02.1
H=4	Steel	52.03*5.M5.04.1
H=6	Steel	52.03*5.M5.06.1

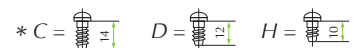


Metal cruciform mounting plate. Euro screws premounted. Vertical adjustment.

28

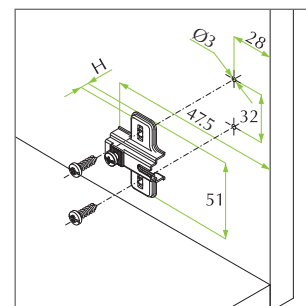


Height	Material	Code
H=2	Steel	52.0321.M5.02.*



Metal cruciform mounting plate. Premounted selftapping screws Ø4.7mm. Vertical adjustment.

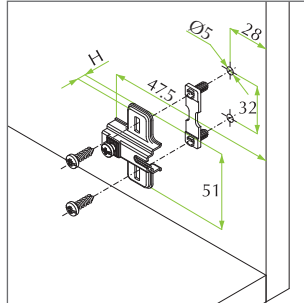
28



Height	Material	Code
H=2	Steel	52.03G1.M5.02.1

Metal mounting plate. Fixing by expanding X-Pando dowels Ø5mm. Vertical adjustment.

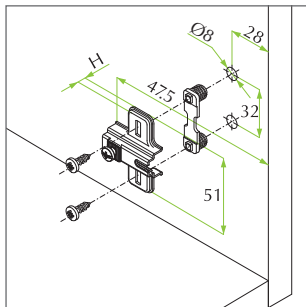
28



Height	Material	Code
H=2	Steel	52.03N1.M5.02.1

Metal cruciform mounting plate. Knock-in fixing with dowels Ø8mm. Vertical adjustment.

28

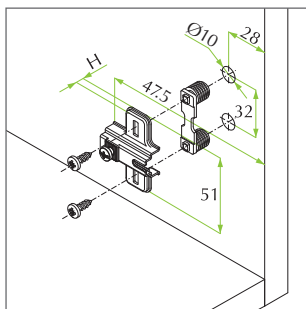


Height	Material	Code
H=2	Steel	52.03*1.M5.02.1

* C = E =

Metal cruciform mounting plate. Knock-in fixing with dowels Ø10mm. Vertical adjustment.

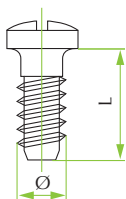
28



Height	Material	Code
H=2	Steel	52.03*1.M5.02.1

* D = F =

Euro screws with Pozi drive head, nickel for mounting plate fixing.



Ø	Length	Material	Code
6.3	10	Steel	1A075029350CF
6.3	12	Steel	1A075108250CF
6.3	14	Steel	1A075108150CF

Round face plate for glass door hinge.



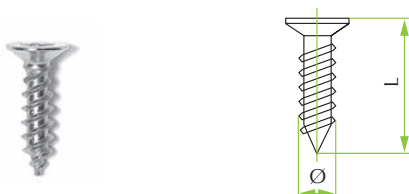
Colour	Code
Bright chrome	51.0150.05.01R.00
Matt chrome	51.0150.0G.01R.00
Bright gold	51.0150.04.01R.00
Black painted	51.0150.08.01R.00
Black RAL 9005	51.0150.0T.01R.00
White RAL 9016	51.0150.01.01R.00
Metallized bright chrome	51.0150.0K.01R.00
Metallized bright gold	51.0150.0H.01R.00
Matt chrome painted	51.0150.0J.01R.00
Matt nickel	51.0150.06.01R.00

Oval face plate for glass door hinge.



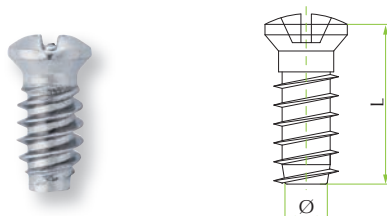
Colour	Code
Bright chrome	51.0150.05.01D.00
Matt chrome	51.0150.0G.01D.00
Bright gold	51.0150.04.01D.00
Black painted	51.0150.08.01D.00
Black RAL 9005	51.0150.0T.01D.00
White RAL 9016	51.0150.01.01D.00
Metallized bright chrome	51.0150.0K.01D.00
Metallized bright gold	51.0150.0H.01D.00
Matt chrome painted	51.0150.0J.01D.00
Matt nickel	51.0150.06.01D.00

Selftapping screws with Pozi drive head, nickel for hinge and mounting plate fixing.



Ø	Length	Material	Code
4	12.5	Steel	1A035034150CF
4	15.5	Steel	1A035034250CF

Euro screws with Pozi drive head, nickel for hinge fixing.



Ø	Length	Material	Code
6.3	12	Steel	1A075130050CF

Dowel in nylon for hinge fixing.



Ø	Height	Material	Code
10	12	Nylon	2H011070530CF
8	11	Nylon	2H000449003CF



SlowMotion Accessories

Silent and controlled movement

SlowMotion Alfa

SlowMotion Delta

SlowMotion Zitto

OneTouch

The SlowMotion technology is the right solution for a perfect, silent and controlled movement.

The SlowMotion Alfa damper is combining features of controlled movement and silence into a simple and elegant design.

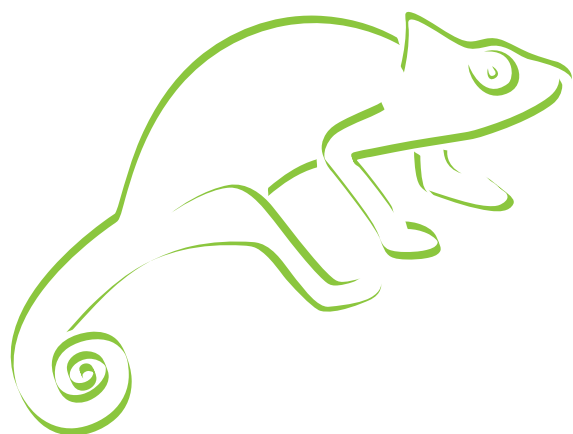
The SlowMotion Delta add-on damper ensures a perfect and silent function with an hinge with 175° opening.

The Zitto door damper is the easier and adaptable application to reduce closing noise.



- *Box based add-on damping solution*
- *Compatible with Optima Click and MS Slide-On hinge series*
- *Rapid click-on fixing*
- *No protrusion solution*

SlowMotion Alfa



SlowMotion Alfa is an easy to use hinge box based add-on damper available for Optima Click and MS Slide-On hinges. It is very easy to fix with a click and covers all hinge versions of the range. (For the 175° hinges, see the SlowMotion Delta solution). Damping is realised by an hydraulic piston sliding in the damper housing. It is a simple and efficient solution to confer quality in showroom and at home.

It is quick to fix in the production line and a perfect retro-fit solution in flat pack and DIY environment.



Alfa Video

SlowMotion Alfa



Technical specifications:

- SlowMotion Alfa device for controlled closing door system
- Add-on application for Optima Click and MS Slide-On hinge series with crank 0/8/15 and angles
- Easy assembling with a clip, no tools required
- Damper strength adjustable to control different door sizes and heights
- With standard door only one SlowMotion Alfa device required

SLOWMOTION ALFA DAMPER



Code	Description	Packaging
59.0620.05.0000000	SlowMotion Alfa	125 pieces

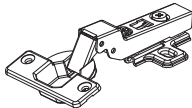
Application with:

OPTIMA CLICK

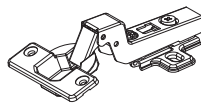
CRANK 0



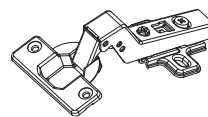
CRANK 8



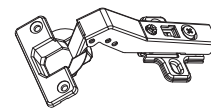
CRANK 15



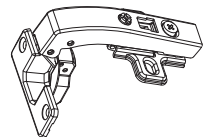
ANGLE 30°



ANGLE 45°

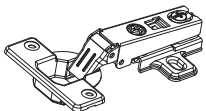


ANGLE 90°

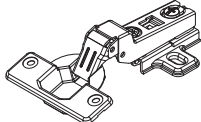


MS SLIDE-ON

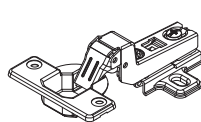
CRANK 0



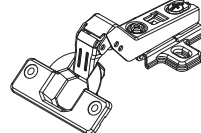
CRANK 8



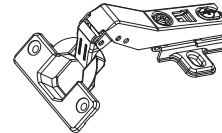
CRANK 15



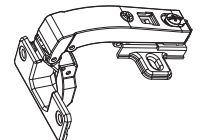
ANGLE 30°



ANGLE 45°



ANGLE 90°

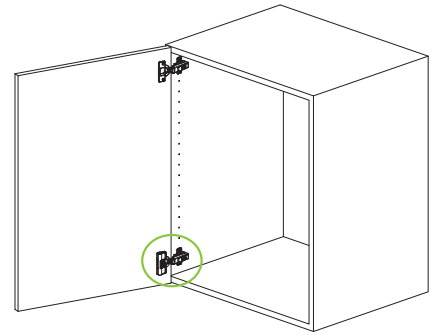


To allow the ALFA device assembling, the hinge box need to be adapted. The codes of the related compatible hinges is identified with the letter "A" in 12th position. (Example: 51XSH505000A000)

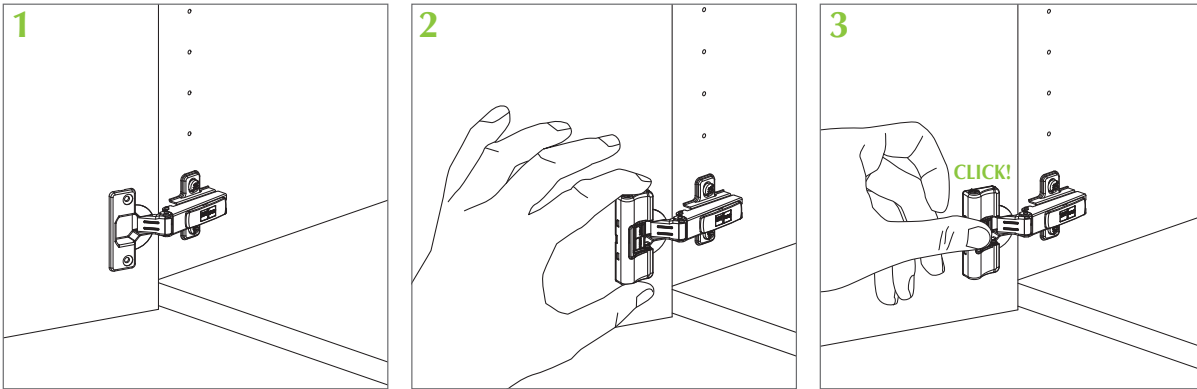
ALFA device not compatible with Centra fixing system and with aluminium profiles solutions.

Ideal assembly:

The SlowMotion Alfa damper must be preferably fitted on the bottom hinge.



Assembly:



Alfa Video

Table to determinate the number of the add-on needed according to the dimension and the weight of the door.

Door dimensions			Door weight	Number of hinges	
Width	Height	Thickness		SlowMotion Alfa	Standard
450	600	18	3.0 kg	1	1
350	700	18	3.1 kg	1	1
400	700	18	3.6 kg	1	1
450	700	18	4.1 kg	1	1
500	700	18	4.5 kg	1	1
600	700	18	5.4 kg	1	1
400	1200	18	6.2 kg	1-2	1-2
450	1200	18	7.2 kg	1-2	1-2
500	1200	18	7.8 kg	1-2	1-2
600	1200	18	9.3 kg	2	1
400	2100	18	10.9 kg	2	2
450	2100	18	12.3 kg	2	2



- *Retrofit add-on damper for hinges*
- *Compatible with Optima Click and Slide-On 175° angle hinges*
- *All metal solution for quality feel*

SlowMotion Delta



SlowMotion Delta is a clever damping solution available for the Optima Click and MS Slide-On 175° angle hinge.

It is fixed securely on the main lever of the hinge, remaining independent from the hinge arm, and it can easily be removed.

It is powered by a hydraulic piston with a simple and efficient effect. It is quick to fix in the production line and a perfect retro-fit solution in flat pack and DIY environment.

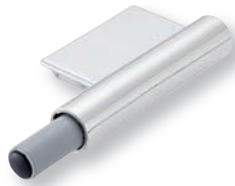
SlowMotion Delta 175°



Technical specifications:

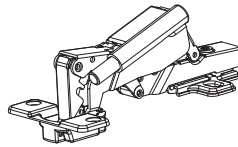
- Controlled closing
- Perfect and silent function
- Solution for angles 175°
- Compatible with Optima and Slide-On hinges

SLOWMOTION DELTA 175° DAMPER



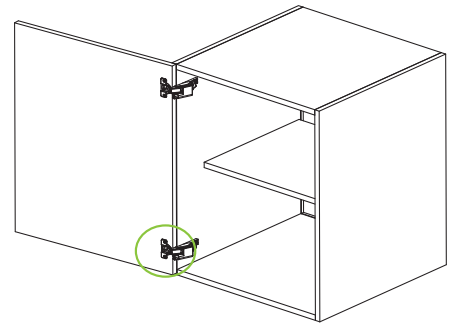
<u>Code</u>	<u>Description</u>	<u>Packaging</u>
59.550D.M50W00000	SlowMotion Delta 175°	250 pieces

Application:

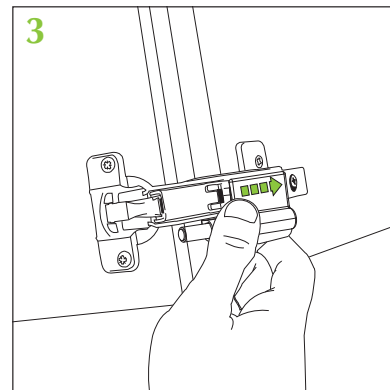
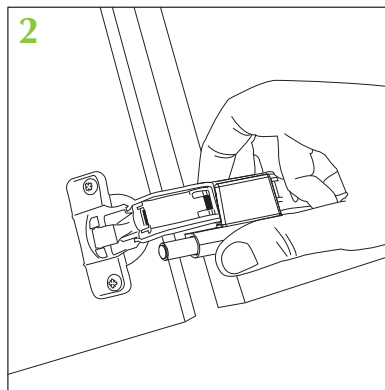
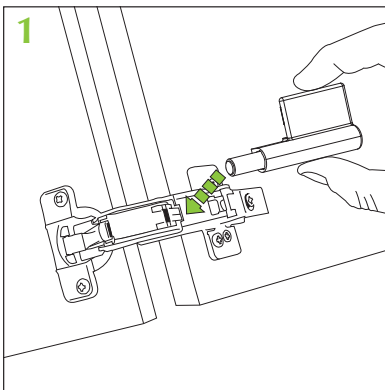


Assembly:

The SlowMotion Delta 175° damper must be preferably fitted on the bottom hinge.



Assembly:



To slide totally the SlowMotion Delta 175° damper onto the arm of the hinge, close and open the door one time.

Table to determinate the number of the add-on needed according to the dimension and the weight of the door.

Door dimensions			Door weight	Number of hinges	
Width	Height	Thickness		SlowMotion Delta 175°	Standard
450	600	18	3.0 kg	1	1
350	700	18	3.1 kg	1	1
400	700	18	3.6 kg	1	1
450	700	18	4.1 kg	1	1
500	700	18	4.5 kg	1	1
600	700	18	5.4 kg	1	1
400	1200	18	6.2 kg	1-2	1-2
450	1200	18	7.2 kg	1-2	1-2
500	1200	18	7.8 kg	1-2	1-2
600	1200	18	9.3 kg	2	1
400	2100	18	10.9 kg	2	2
450	2100	18	12.3 kg	2	2
600	2100	18	17.0 kg	3	1



- *Efficient noise reduction*
- *Discrete dimensions*
- *Easy to use*

SlowMotion Zitto



SlowMotion Zitto is the simple and very efficient device of the FGV range to slow down closing doors in the final few degrees and dampen the closure noise. Built around an hydraulic piston, the solution confers a quality feel to cabinets in all kinds of applications. Available in different forces and with different fixing housings, the Zitto range is discrete and can be fitted or retro-fitted in no time.

SlowMotion Zitto



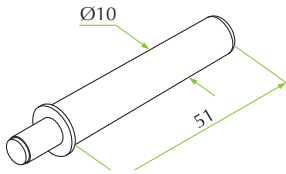
Technical specifications:

- Easy and adaptable application
- Universal solution
- Reduction of the closing noise

ZITTO DEVICE



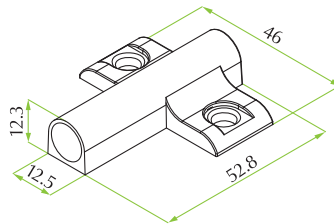
59.5300.C6.00.000



MOUNTING PLATE 37mm



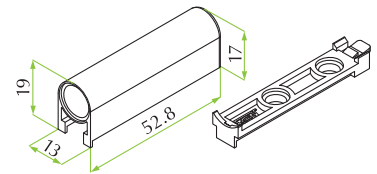
59.0337.**.00.A00
Mounting plate 28mm on demand



LINEAR MOUNTING PLATE



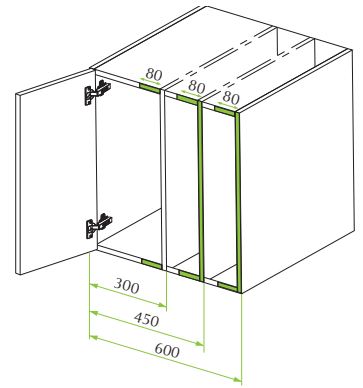
59.031L.**.00.A000



** Finishes: C6 = Grey / 06 = Nickel on demand

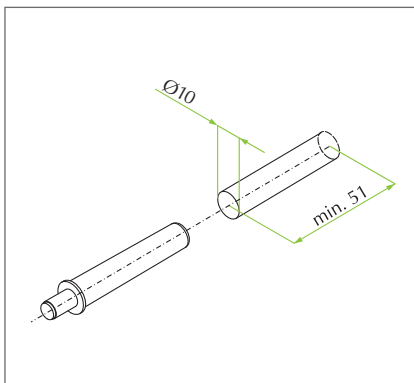
Ideal assembly:

The recommended positioning of the Zitto door damper has to be adapted to the weight and the height of the door cabinet.

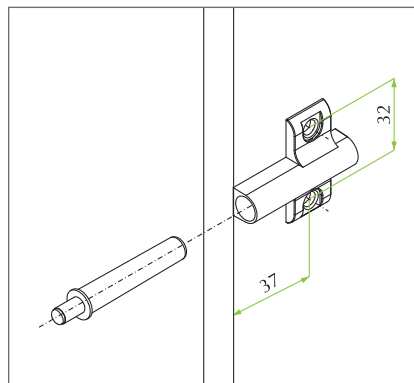


Assembly:

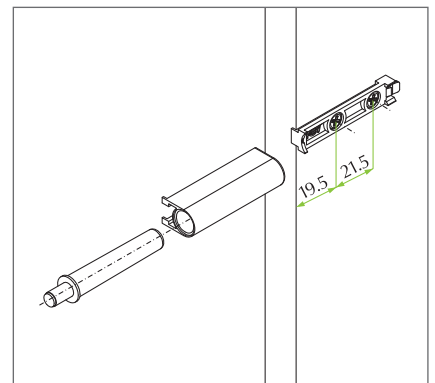
ZITTO DEVICE



MOUNTING PLATE 37mm



LINEAR MOUNTING PLATE





- *OneTouch* device for smooth opening and closing
- Available with activation push of 10 and 40 mm
- Standard solution for application with Push hinges of the *Optima Click* and *MS Slide-On* range

OneTouch



Solution for handleless doors. It just takes a light touch with your hand to open doors and flaps. A simple, immediate and easy movement. Trendy cabinet design with essential look and absolutely without handles is made possible by OneTouch technology.



Technical specifications:

- A touch of elegance for handleless doors
- Standard solution for premium application with spring reversed hinges
- Long version for application with standard hinges

ONETOUCH DEVICE

STANDARD VERSION

- application with spring reversed hinges
- activation push of 10mm
- 37mm drilling distance
- with magnet
- with adhesive plate included
- plate to screw as optional



Code	Description	Packaging
59.5420.P6.10.F00	Set of OneTouch device with magnet + adhesive plate	500 sets
59.5420.P6.10.000	OneTouch device with magnet	500 pieces
59.542P.0F.00.000	Adhesive plate for magnetic OneTouch device	500 pieces
59.542P.07.00.000	Plate to screw for magnetic OneTouch device	500 pieces
59.0337.**.00.A00	Mounting plate 37mm	500 pieces
59.031L.**.00.A00	Linear mounting plate	500 pieces

** Finitura: C6 = Grigio / C6 = Nichel / 01 = Bianco

LONG VERSION

- application with standard hinges
- activation push of 40mm
- 37mm drilling distance
- without magnet
- plate not needed



Code	Description	Packaging
59.5420.P6.40.000	Set of OneTouch device 40mm + linear mounting plate included	500 sets

OPTIMA PUSH

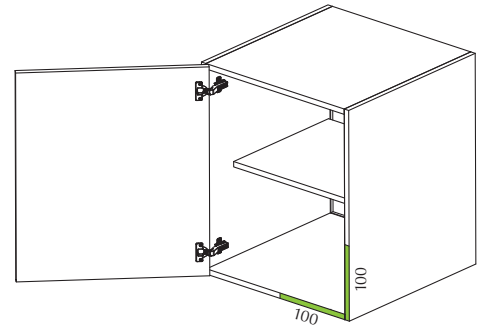
Optima hinge Push 110°	51.XSH5.P5.**.00000	** Usual cranks and angles available
Optima hinge Push, for aluminium frames	51.XS91.P5.**.00000	
Optima hinge Push, Ø40	51.XH45.P5.**.00000	

SLIDE-ON PUSH

Slide-On hinge Push 110°	51.MS15.P5.**.00000	** Usual cranks and angles available
Slide-On hinge Push, for aluminium frames	51.XS41.P5.**.00000	
Slide-On hinge Push, Ø40	51.MN45.P5.**.00000	

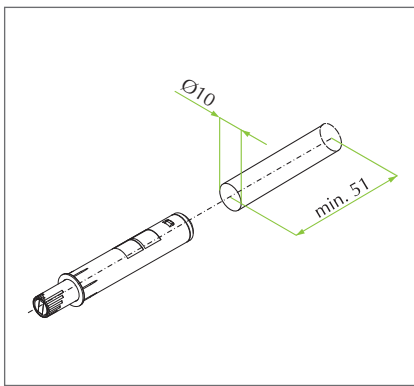
Ideal assembly:

The OneTouch device for door without handles has to be mounted in the corresponding area of the handle.

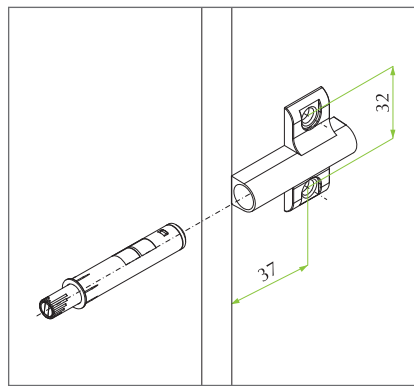


Assembly:

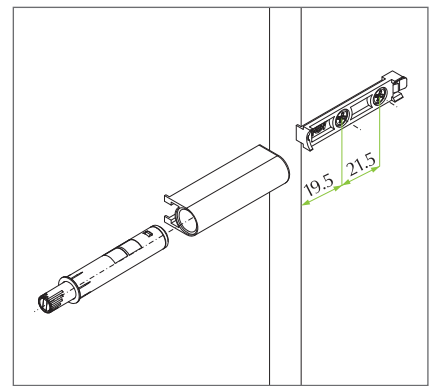
ONETOUCH DEVICE WITH MAGNET



MOUNTING PLATE 37mm



LINEAR MOUNTING PLATE



ADHESIVE PLATE

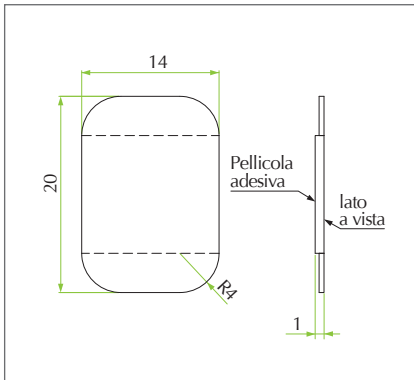
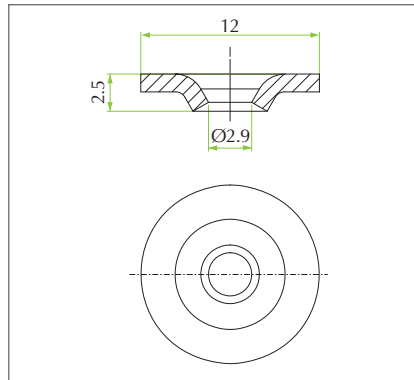
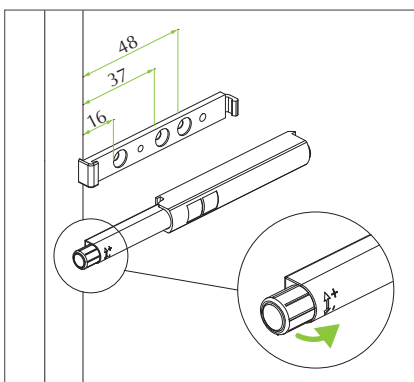


PLATE TO SCREW



ONETOUCH DEVICE LONG VERSION

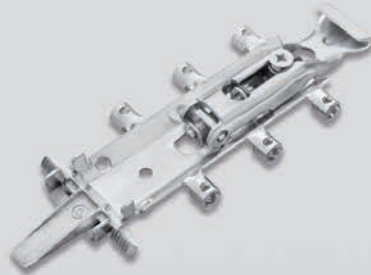
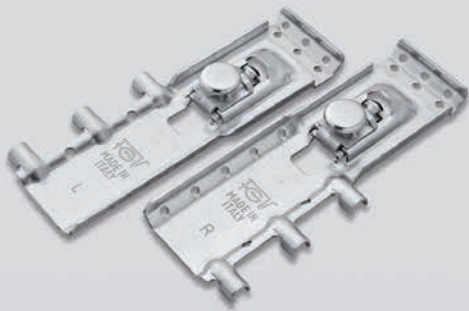




Wall hanging brackets



The FGV wall hanging brackets line offers simplicity and immediacy, harmony and functionality: all the characteristics of a reliable solution for fixing a cabinet. The range differs according to the fixing system: with screws or dowels, to the assembling system, hidden or visible (also available cover plates in a large range of colours and finishes), and to a wide range of adjustments allowing an ideal use in any condition and furniture.

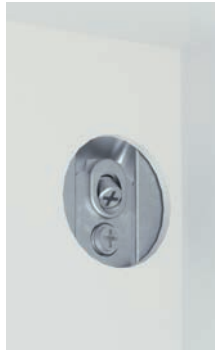




Wall hanging brackets index

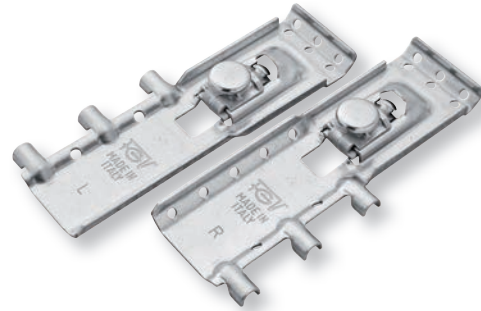
<i>Leva 740</i>	<i>150</i>
<i>Leva 840</i>	<i>151</i>
<i>Leva 709</i>	<i>152</i>
<i>Leva 705</i>	<i>153</i>
<i>Leva 708</i>	<i>154</i>
<i>Leva 707 – 787</i>	<i>155</i>
<i>Leva 706</i>	<i>156</i>
<i>Leva 702</i>	<i>157</i>
<i>Leva 701</i>	<i>158</i>
<i>Leva 703</i>	<i>159</i>
<i>Leva 753</i>	<i>160</i>
<i>Leva 754</i>	<i>161</i>
<i>Wall hanging bracket bars</i>	<i>162</i>

Leva 740



Concealed wall hanging bracket fastened to the back of the cabinet

- 2 fixing options: with Ø10 dowels or with self-tapping screws
- Reduced installation space only 15mm
- Higher holes for additional security screws
- Molded adjustment pins to avoid accidental dismounting
- Cover: Ø35 round and oval
- For fixing bars see page 162



Oval cover cap.



Round cover cap.

Code

53.C740.07.01.000

53.C740.07.02.000

53.07C3.**.00.000

53.07CS.**.00.000

Description

Wall hanging bracket Leva 740 – right

Wall hanging bracket Leva 740 – left

Cover cap in nylon – round shape

Cover cap in polystyrene – oval shape

Packing

100 pieces

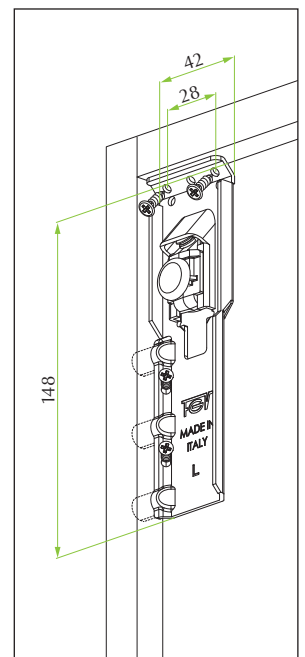
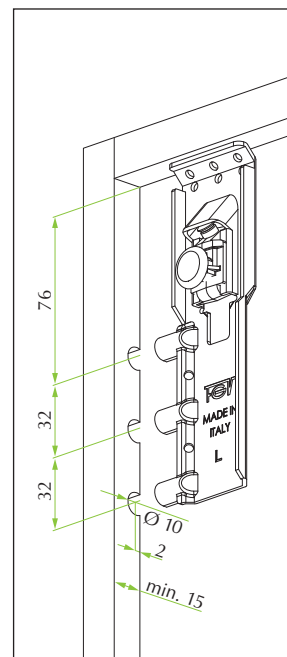
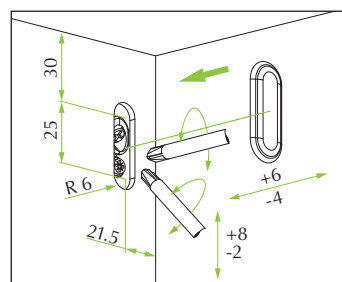
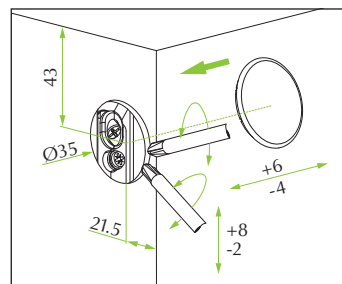
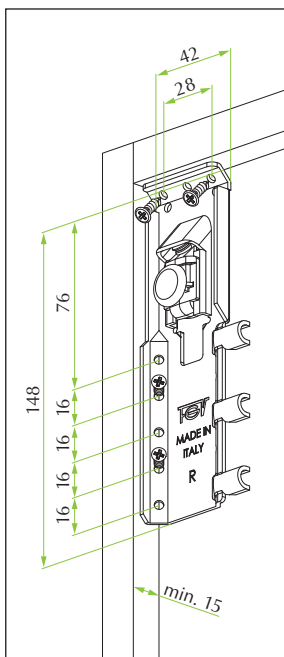
100 pieces

400 pieces

200 pieces

** Colour code: A1 = White RAL 9010 / A2 = Brown RAL 8016 / C6 = Grey RAL 7004 / 01 = Painted matt aluminium. Other colours on request.

Drilling position & adjustments

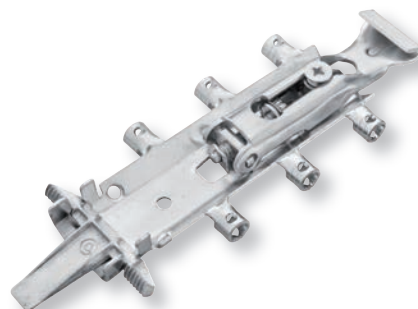


Leva 840



Concealed and symmetrical wall hanging bracket fastened to the back of the cabinet

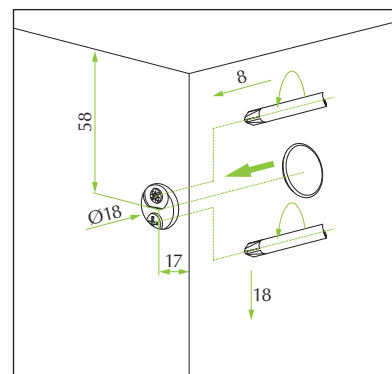
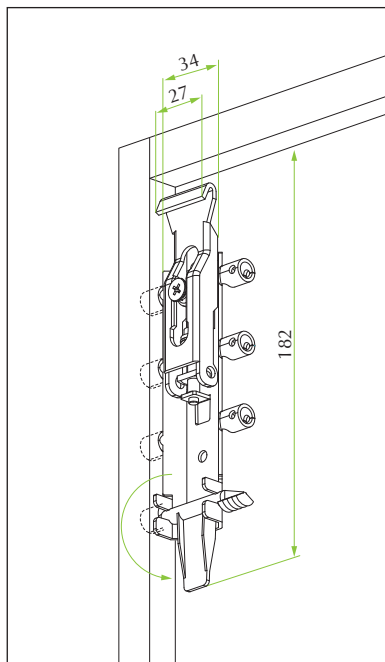
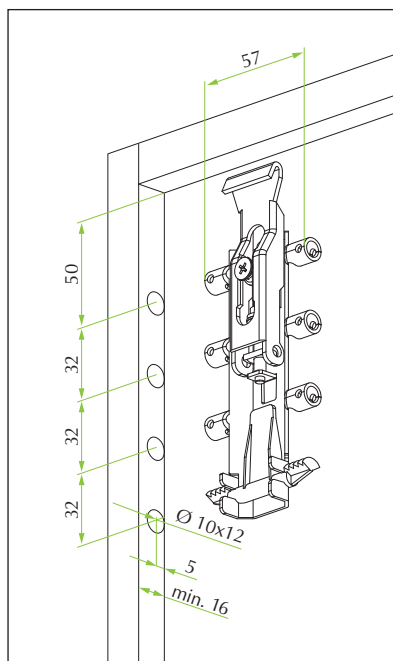
- NoTool fixing with $\text{Ø}10$ dowels and safety lever
- Reduced installation space only 16mm
- Cover: $\text{Ø}18$ round in nickel-plated zamak
- For fixing bars see page 162



Round cover cap.

Code	Description	Packing
53.5840.07.0000000	Wall hanging bracket Leva 840 - symmetric	100 pieces
53.58C4.05.0000000	Cover cap in nickel-plated zamak – round shape	400 pieces

Drilling position & adjustments

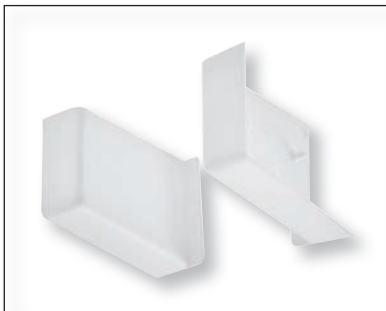
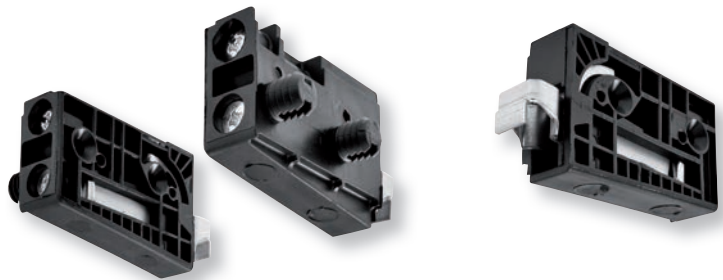


Leva 709



Wall hanging bracket fixing machine version

- Fixing with Ø10 dowels for automatic machine
- Made in high-strength nylon
- Symmetrical hook with pre-blocked adjustment
- Front adjustment easy to access
- In&Out adjustment with special screw to avoid accidental dismounting
- Covers in a wide range of colours
- For fixing bars see page 162

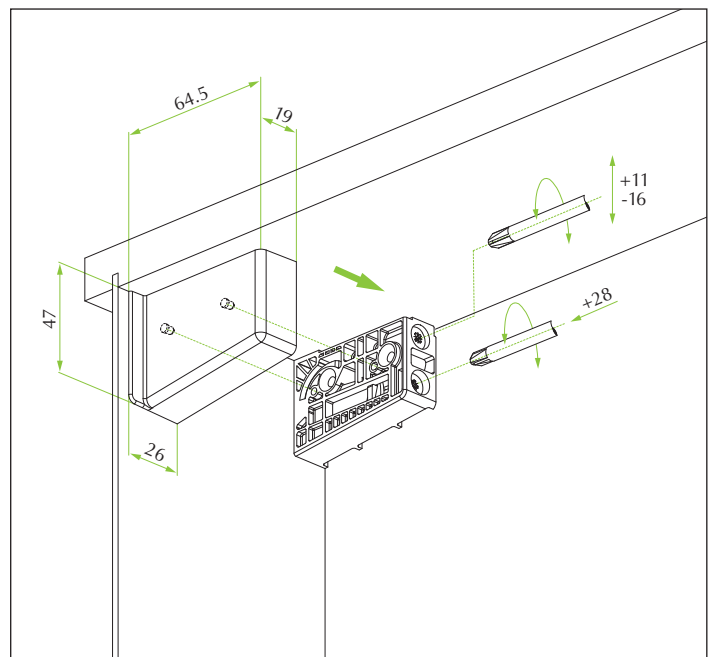
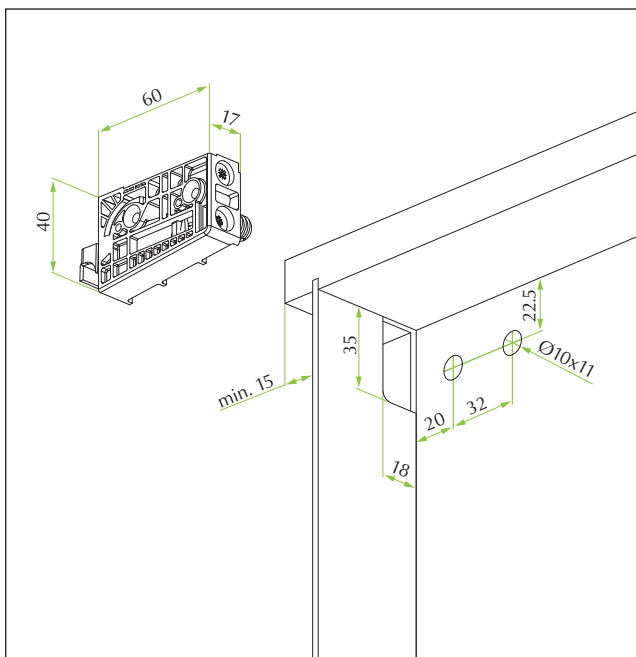


Cover.

Code	Description	Packing
53.0709.03.01.0R100	Wall hanging bracket Leva 709 – right	250 pieces
53.0709.03.02.0R100	Wall hanging bracket Leva 709 – left	250 pieces
<i>Finitura colore: Nero.</i>		
53.07C4.**.01.000	Cover in polypropylene – right	250 pieces
53.07C4.**.02.000	Cover in polypropylene – left	250 pieces

** Colour code: A1 = White RAL 9010 / A2 = Brown RAL 8016 / C6 = Grey RAL 7004.

Drilling position & adjustments

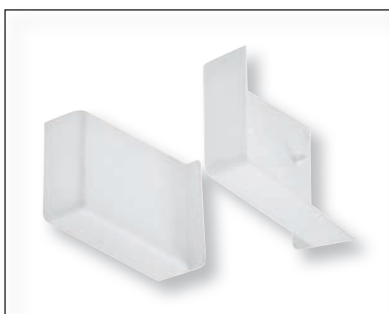
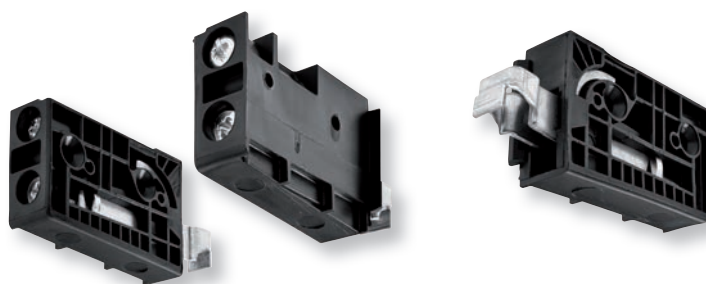


Leva 705



Wall hanging bracket screw fixing

- Fixing with selftapping screws
- Made in high-strength nylon
- Symmetrical hook
- Front adjustment easy to access
- In&Out adjustment with special screw to avoid accidental dismounting
- Covers in a wide range of colours
- For fixing bars see page 162

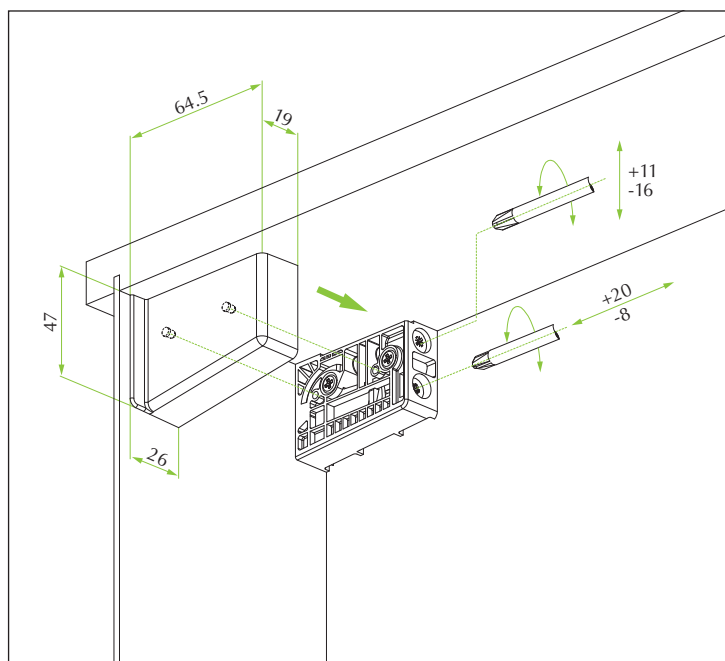
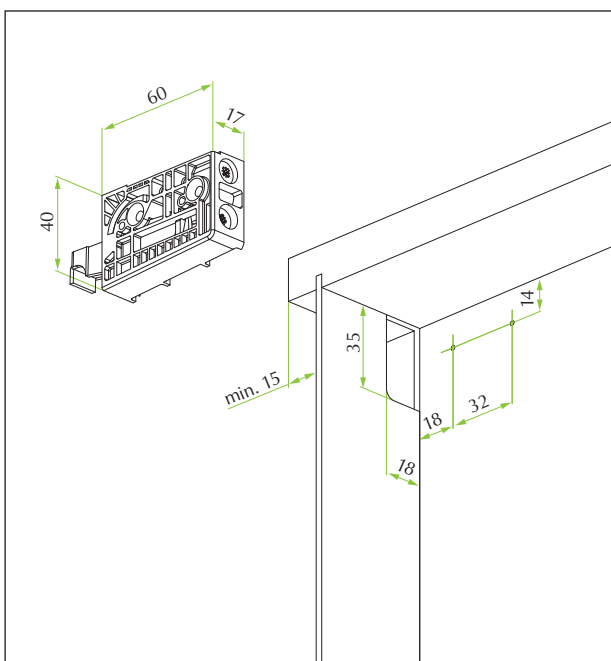


Cover.

Code	Description	Packing
53.0705.03.01.000	Wall hanging bracket Leva 705 – right	250 pieces
53.0705.03.02.000	Wall hanging bracket Leva 705 – left	250 pieces
<i>Colour finish: black.</i>		
53.07C4.**.01.000	Cover in polypropylene – right	250 pieces
53.07C4.**.02.000	Cover in polypropylene – left	250 pieces

** Colour code: A1 = White RAL 9010 / A2 = Brown RAL 8016 / C6 = Grey RAL 7004.

Drilling position & adjustments

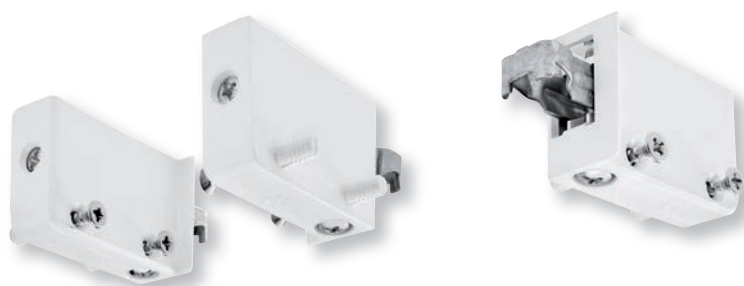


Leva 708



Wall hanging bracket dowel fixing

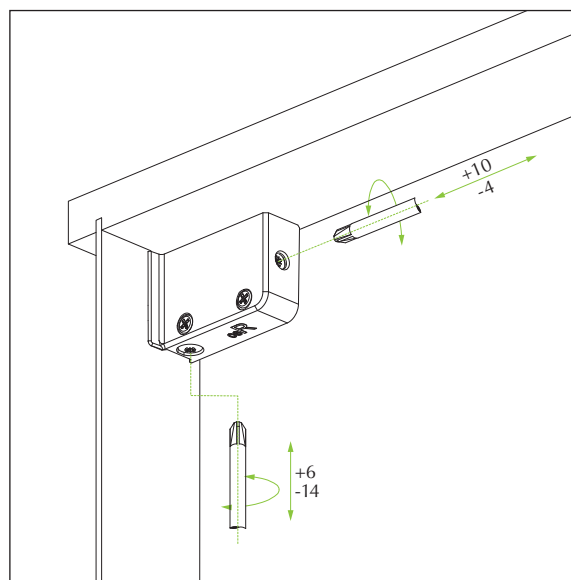
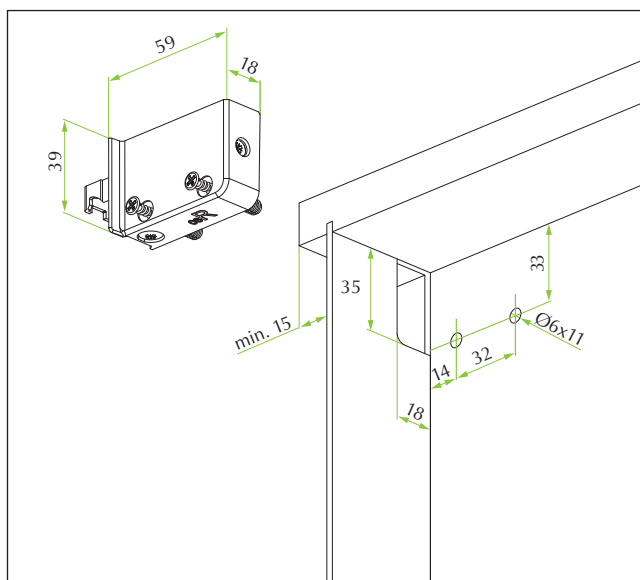
- Fixing with $\varnothing 6$ expanding dowels and premounted screws
- Symmetrical hook
- Special adjustment screws to avoid accidental dismounting
- For fixing bars see page 162



Code	Description	Packing
53.0708.**.01.000	Wall hanging bracket Leva 708 – right	250 pezzi
53.0708.**.02.000	Wall hanging bracket Leva 708 – left	250 pezzi

** Colour code: A1 = White RAL 9010 / A2 = Brown RAL 8016 / C6 = Grey RAL 7004

Drilling position & adjustments

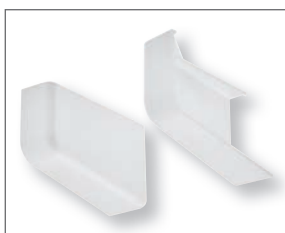
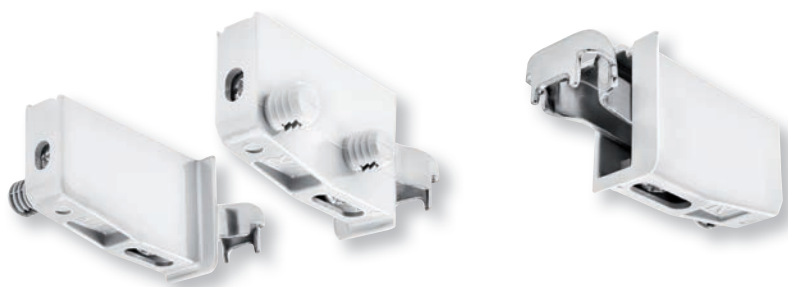


Leva 707 - 787



Wall hanging bracket dowel fixing

- Fixing with dowels
- Symmetrical hook
- Adjustment screws to avoid accidental dismounting
- Covers in a wide range of colours
- For fixing bars see page 162



Cover.

Code	Description	Dowels	Packing
53.A707.**.01.000	Wall hanging bracket Leva 707 – right	Ø10	250 pieces
53.A707.**.02.000	Wall hanging bracket Leva 707 – left	Ø10	250 pieces
53.C787.**.01.000	Wall hanging bracket Leva 787 – right	Ø8	250 pieces
53.C787.**.02.000	Wall hanging bracket Leva 787 – left	Ø8	250 pieces

** Colour code: A1 = White RAL 9010 / A2 = Brown RAL 8016 / C6 = Grey RAL 7004.

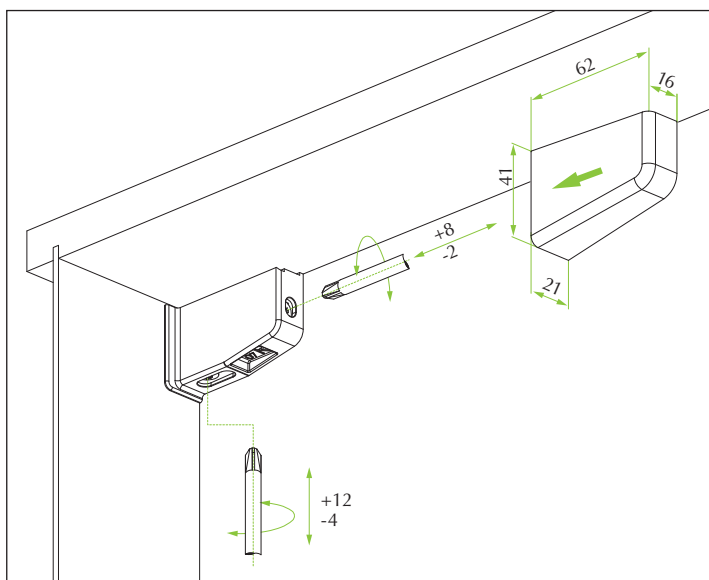
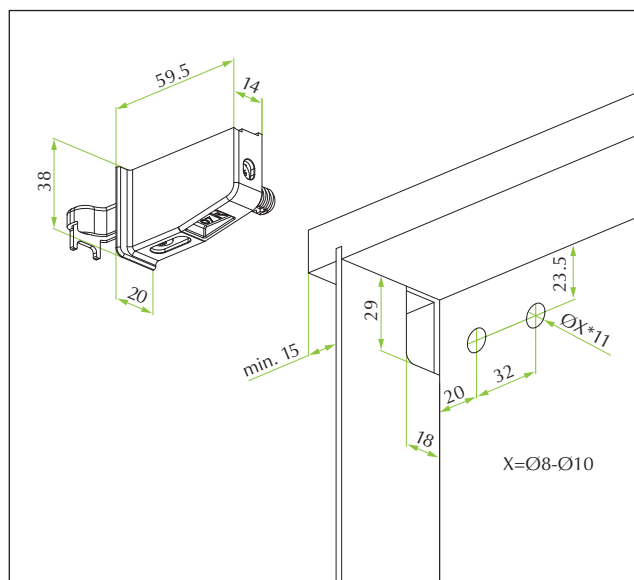
53.07C7.**.01.000	Cover in high-impact polystyrene – right		250 pieces
53.07C7.**.02.000	Cover in high-impact polystyrene – left		250 pieces

** Colour code: A1 = White RAL 9010 / A2 = Brown RAL 8016 / C6 = Grey RAL 7042 / 01 = Painted matt aluminium. Other colours on request.

Drilling position & adjustments

ABS

90 Kg



Leva 706



Wall hanging bracket dowel fixing

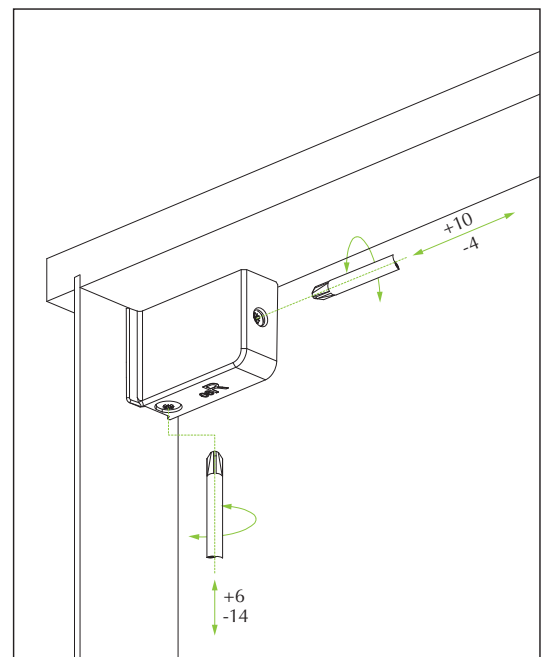
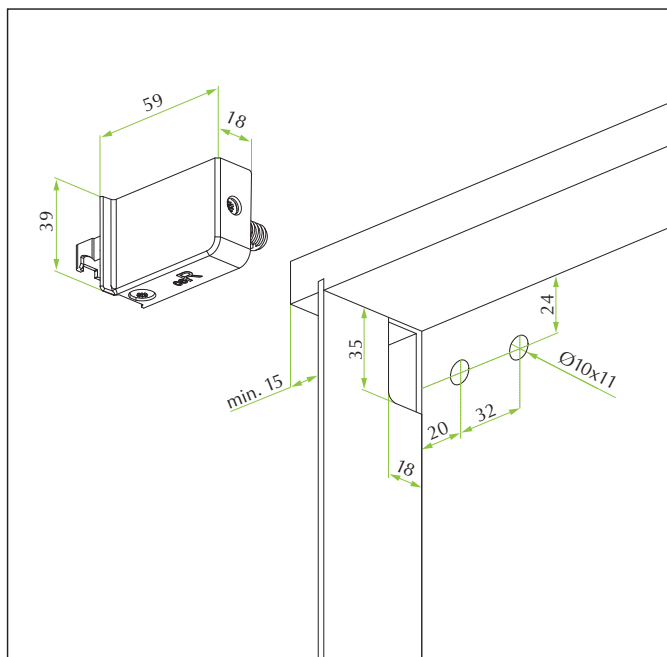
- Fixing with Ø10 dowels
- Symmetrical hook
- Adjustment screws to avoid accidental dismounting
- For fixing bars see page 162



Code	Description	Packing
53.C706.**.01.N00	Wall hanging bracket Leva 706 – right	250 pieces
53.C706.**.02.N00	Wall hanging bracket Leva 706 – left	250 pieces

** Colour code: A1 = White RAL 9010 / A2 = Brown RAL 8016 / C6 = Grey RAL 7004.

Drilling position & adjustments



Leva 702



Wall hanging bracket dowel fixing

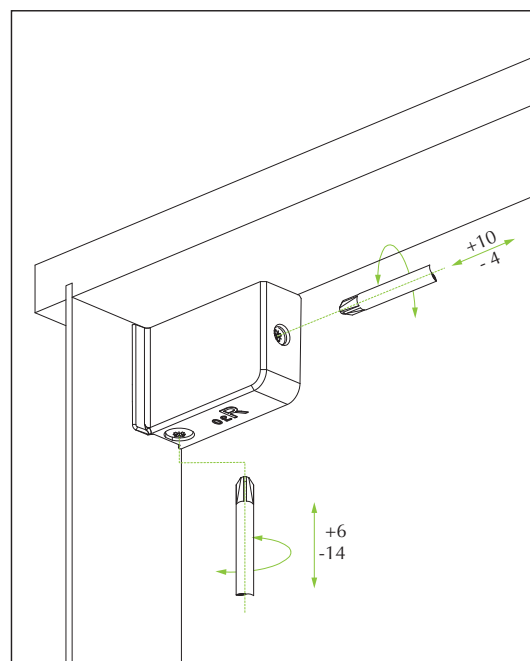
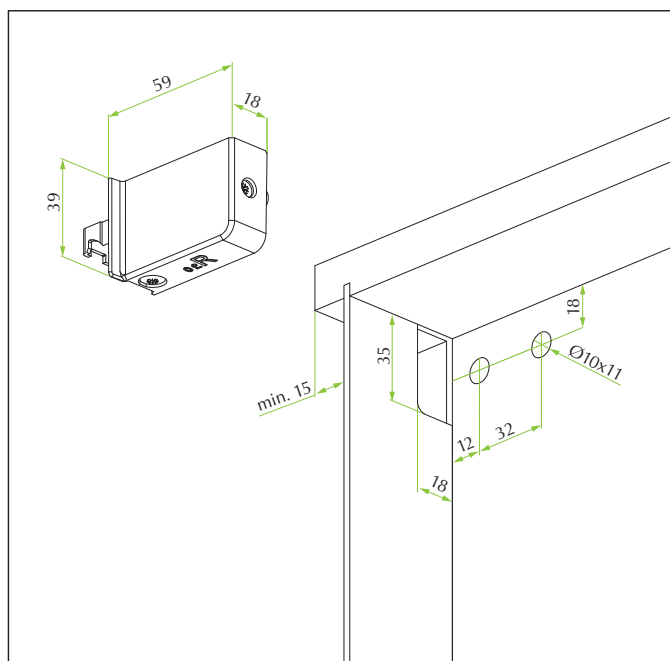
- Fixing with $\text{Ø}10$ dowels
- Symmetrical hook
- Adjustment screws to avoid accidental dismounting
- For fixing bars see page 162



Code	Description	Packing
53.0702.**.01.N00	Wall hanging bracket Leva 702 – right	250 pieces
53.0702.**.02.N00	Wall hanging bracket Leva 702 – left	250 pieces

** Colour code: A1 = White RAL 9010 / A2 = Brown RAL 8016 / C6 = Grey RAL 7004.

Drilling position & adjustments



Leva 701



Wall hanging bracket dowel fixing

- Fixing with Ø10 dowels
- Symmetrical hook
- Adjustment screws to avoid accidental dismounting
- For fixing bars see page 162



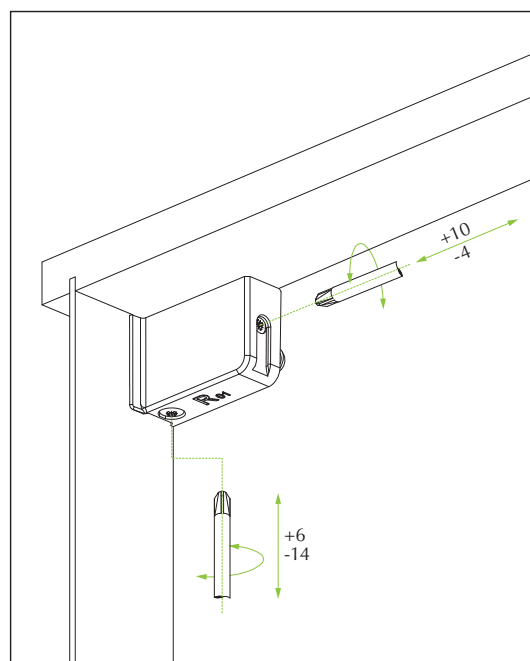
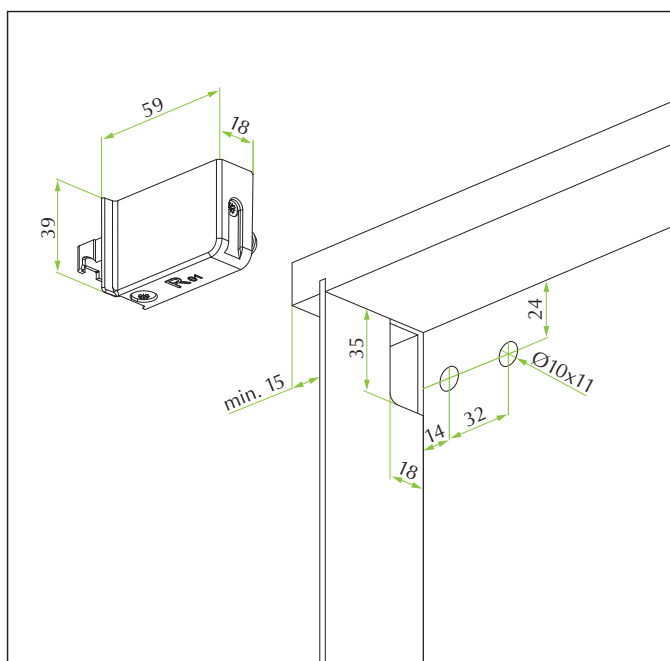
Code	Description	Packing
53.C701.**.01.N00	Wall hanging bracket Leva 701 – right	250 pieces
53.C701.**.02.N00	Wall hanging bracket Leva 701 – left	250 pieces

** Colour code: A1 = White RAL 9010 / A2 = Brown RAL 8016 / C6 = Grey RAL 7004.

Drilling position & adjustments

ABS

130
Kg



Leva 703



Wall hanging bracket screws fixing

- Fixing with selftapping screws
- Symmetrical hook
- Adjustment screws to avoid accidental dismounting
- For fixing bars see page 162



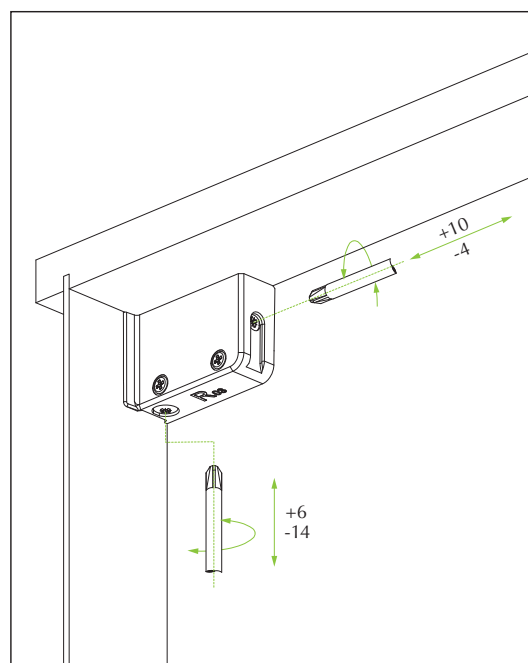
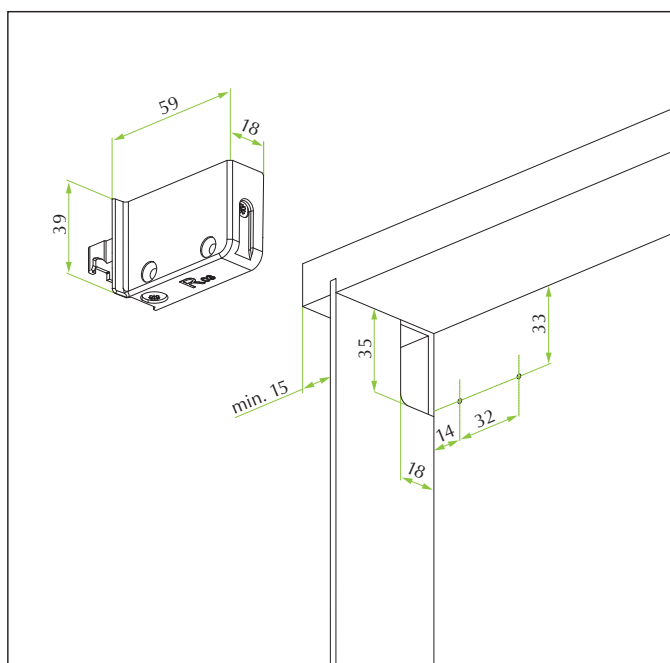
Code	Description	Packing
53.A703.**.01.N00	Wall hanging bracket Leva 703 – right	250 pieces
53.A703.**.02.N00	Wall hanging bracket Leva 703 – left	250 pieces

** Colour code: A1 = White RAL 9010 / A2 = Brown RAL 8016 / C6 = Grey RAL 7004.

Drilling position & adjustments

ABS

130 Kg



Values given in mm

Leva 753



Symmetrical wall hanging bracket

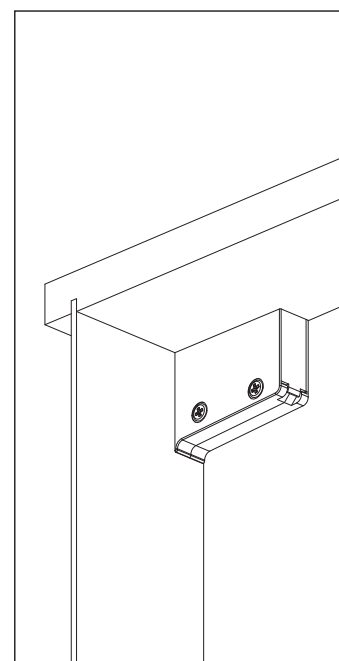
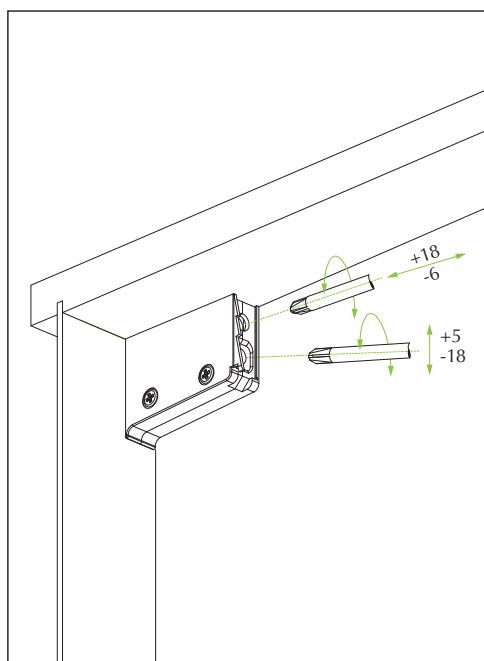
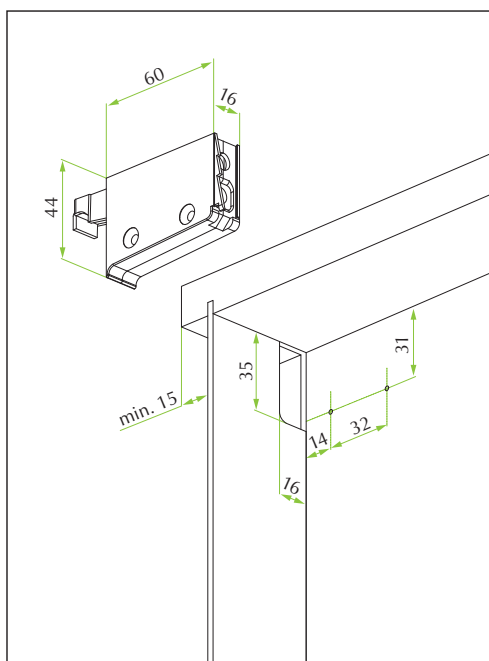
- Fixing with selftapping screws
- Symmetrical hook
- Front adjustment easy to access
- Adjustment screws to avoid accidental dismounting
- Flap for screws covering
- For fixing bars see page 162



Code	Description	Packing
53.5753.**.00000	Wall hanging bracket Leva 753 – symmetric	250 pieces

** Colour code: A1 = White RAL 9010 / A2 = Brown RAL 8016.

Drilling position & adjustments

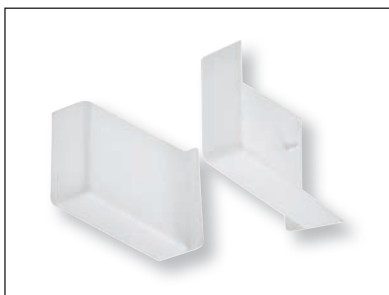


Leva 754



Symmetrical wall hanging bracket

- Fixing with selftapping screws
- Symmetrical hook
- Front adjustment easy to access
- Adjustment screws to avoid accidental dismounting
- Flap for screws covering
- Covers in a wide range of colours
- For fixing bars see page 162

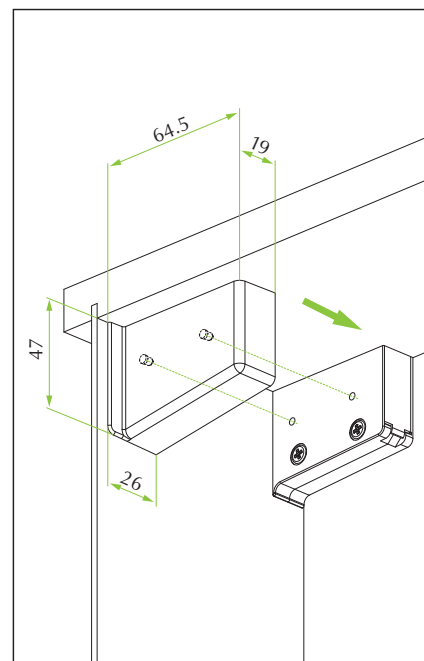
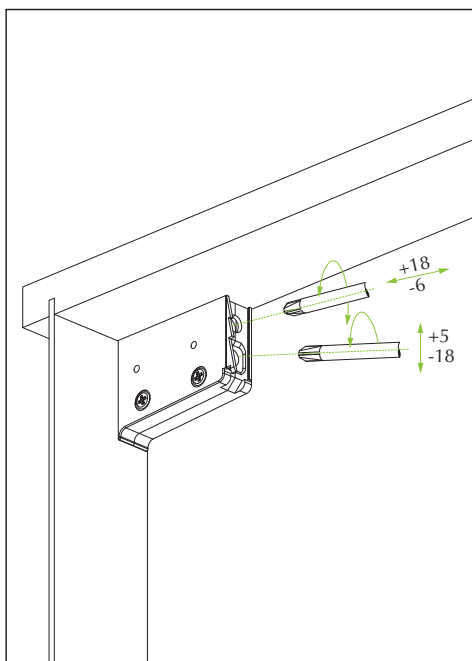
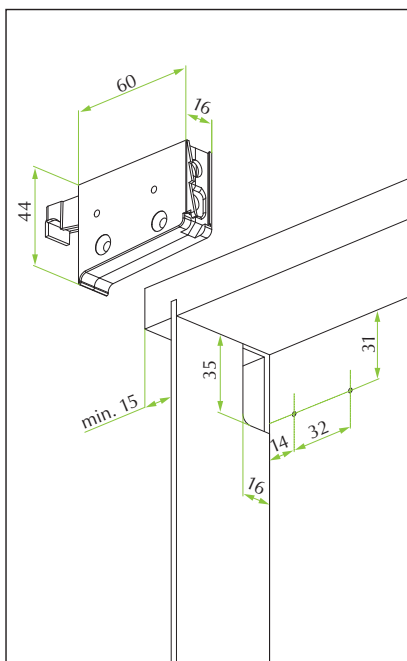


Cover.

Code	Description	Packing
53.5754.**.00000	Wall hanging bracket Leva 754 – symmetric	250 pieces
<i>** Colour code: 1 = White RAL 9010 / 2 = Brown RAL 8016</i>		
53.07C4.**.01.000	Cover in nylon – right	250 pieces
53.07C4.**.02.000	Cover in nylon – left	250 pieces

*** Colour code: A1 = White RAL 9010 / 02 = Brown RAL 8016 / C6 = Grey RAL 7004.*

Drilling position & adjustments

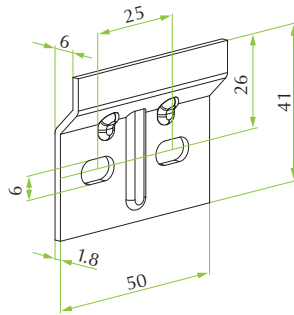


Values given in mm

Wall hanging bracket plates & bars

Plate 027

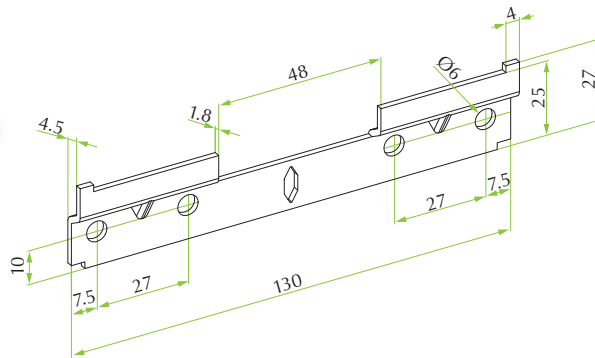
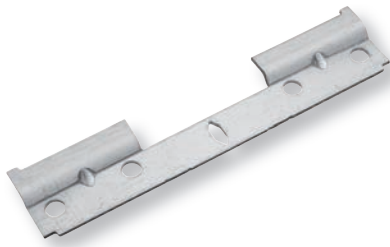
Wall hanging bracket plate of 50mm. 1.8mm of thickness. EN15939 Certification.



Code	Description	Packing
22.0027.07.005CF	027 wall hanging bracket plate	500 pieces Finish: zinc.

Plate 028

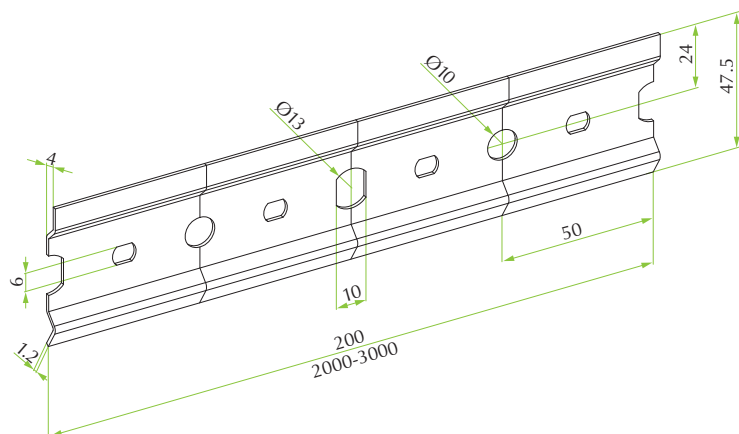
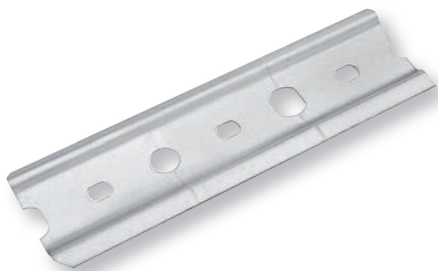
Wall hanging bracket double plate of 130mm. 1.8mm of thickness. Precut for application with side cabinets. EN15939 Certification.



Code	Description	Packing
53.0700.07.13000	028 wall hanging bracket plate	500 pieces Finish: zinc.

Bar 029

Wall hanging bracket bar. Drilling and pre-cutting arrangement with 50mm pitch. UNI10768 Certification. Available different lengths.



Code	Description	Packing
53.0029.07.0200.0	029 wall hanging bracket bar 200mm	200 pieces
53.0029.07.1000.0	029 wall hanging bracket bar 1000mm	10 pieces
53.0029.07.1500.0	029 wall hanging bracket bar 1500mm	10 pieces
53.0029.07.2000.0	029 wall hanging bracket bar 2000mm	10 pieces
53.0029.07.3000.0	029 wall hanging bracket bar 3000mm	10 pieces

Finish: zinc.



Pictograms

HINGES

Fixing System



SELFTAPPING SCREW



DOWEL



CENTRA



VELOFIX DOWEL



EURO SCREW

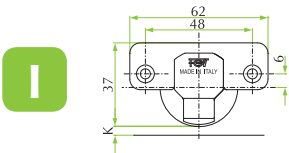


X-PANDO DOWEL

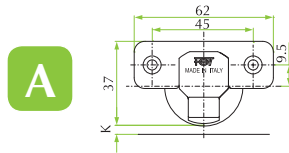


ZIP

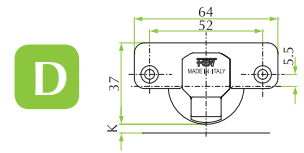
Cup hole distance



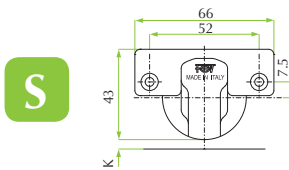
CUP HOLE DISTANCE 48x6mm



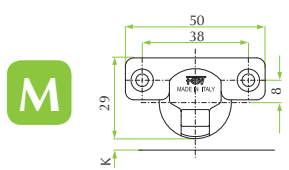
CUP HOLE DISTANCE 45x9.5mm



CUP HOLE DISTANCE 52x5.5mm



CUP HOLE DISTANCE 52x7.5mm

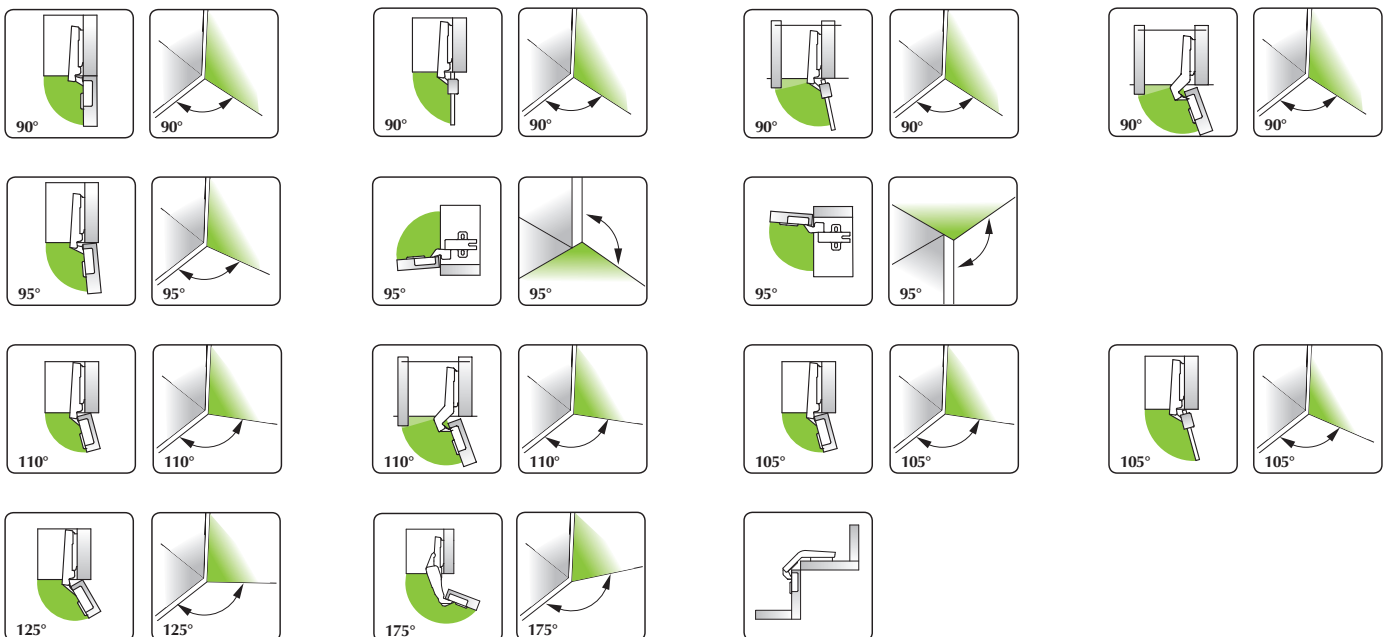


CUP HOLE DISTANCE 38x8mm



NYLON (GLASS)

Angles



MOUNTING PLATES

Fixing System



SELFTAPPING SCREW



DOWEL

37

DRILLING DISTANCE 37mm



EURO SCREW



X-PANDO DOWEL

28

DRILLING DISTANCE 28mm

WALL HANGIGN BRACKETS

Fixing System



SELFTAPPING SCREW



DOWEL



X-PANDO DOWEL

Material



STEEL



NYLON



ABS



POLYSTYRENE

TECNOLOGIE



GENIOS



SLOWMOTION ALFA



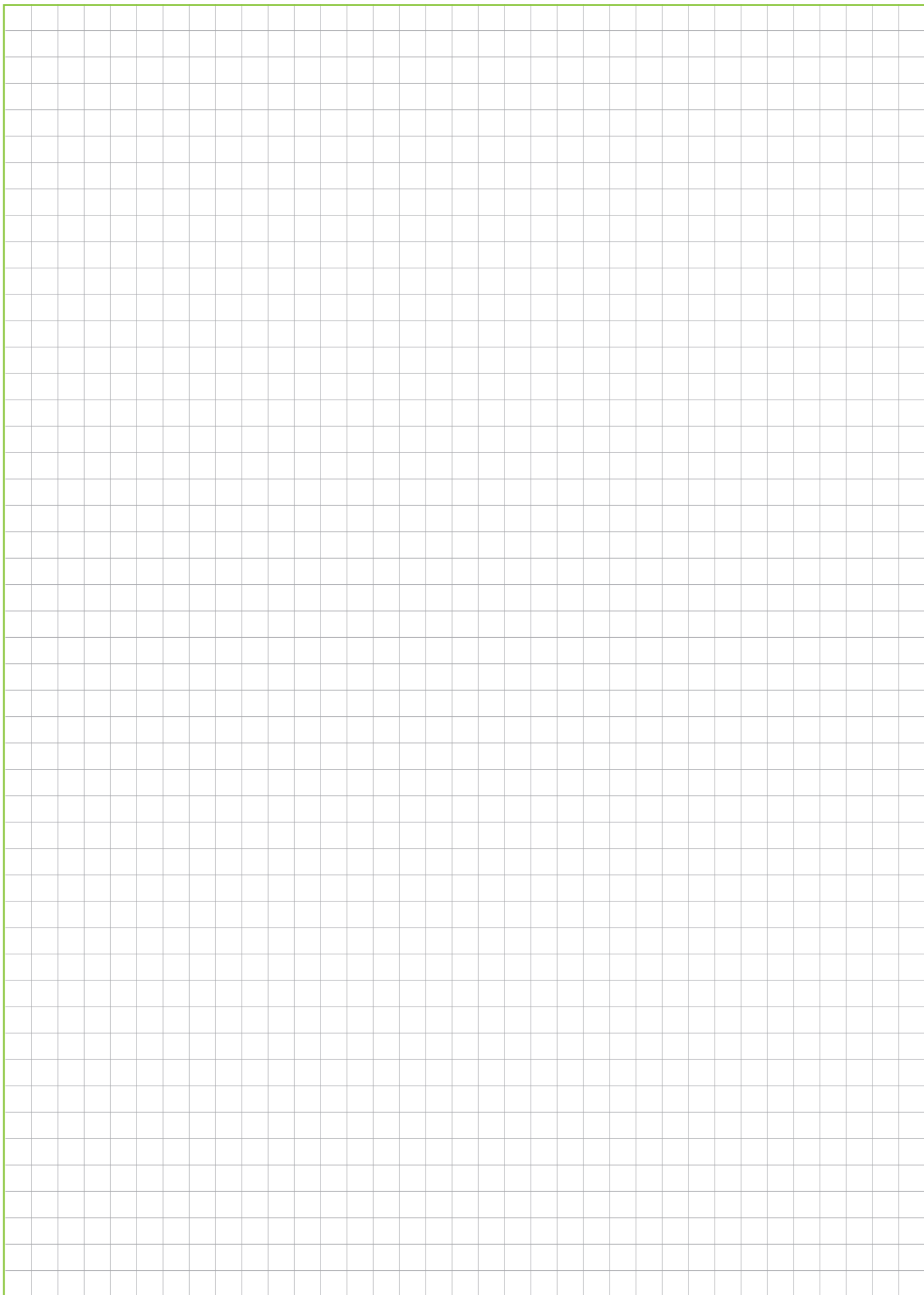
SLOWMOTION DELTA

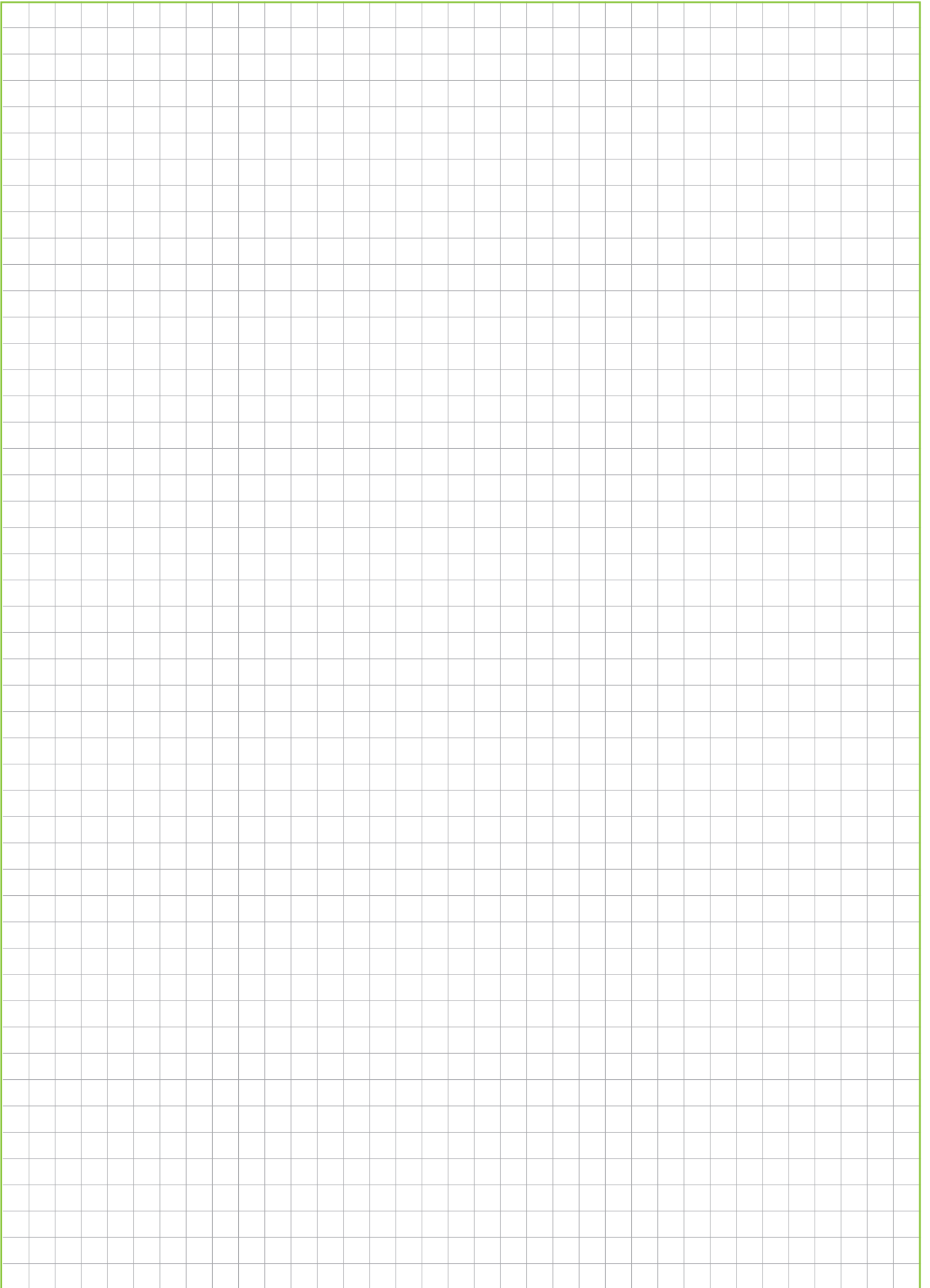


ONETOUCH



SLOWMOTION ZITTO







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