



# **New Impro Hinge Systems**







With our 5 step brake system, cabinets close gradually... Just as far as you want it!

Provides damper force adjustment from level 1-5. User decides how fast the cabinet door gets closed. De-activation of the damper is available (Level 0).

Provides 3D movement; inside-outside, upward-downward, forward-backward with use of eccentric mounting plates.

Provides mounting and de-mounting of hinge with one touch.







# Impro Soft Close Hinge



Opening angle: 110°Cup diameter: 35mm

Cup Depth: 12,54 mm
Hinge Body: Steel
Hinge Cup: Steel
Crank type: 0-9-18 mm
Finish: Nickel

Packaging: 125 PiecesTool free and simple assembling and disassembling of the cabinet doors. Only one touch on the Track mechanism is enough to release and fix the cabinet doors.

• 5 Level integrated damper system provides soft closing.The eccentric part covering

the hinge's body adds a forward and backward adjustability of 4mm.

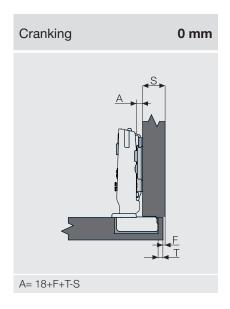


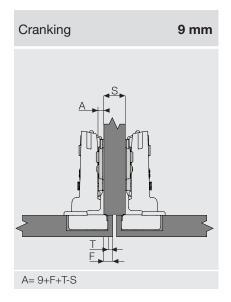
Cranking	0 mm.
Description	Code
Chipboard Screw"52mm."	10100313
Ø10 Dowel "52mm."	101003132

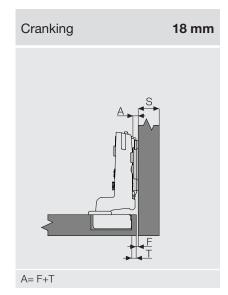
Cranking	9 mm.
Description	Code
Chipboard Screw"52mm."	10100323
Ø10 Dowel "52mm."	101003232

Cranking	18 mm.
Description	Code
Chipboard Screw"52mm."	10100333
Ø10 Dowel "52mm."	101003332





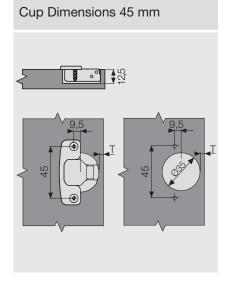


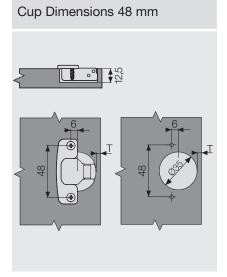


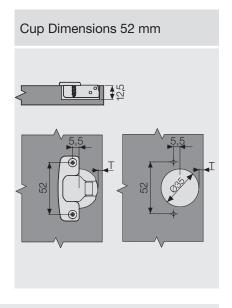
Ca	Calculation Table								
Cr	anking	0 mm							
S	Wall Thickness	18			18 16				
Α	Thickness of Distance	5	7	7	7	9	9		
F	Minimum Gap	1	1	2	1	1	2		
Т	Cup Distance	4	6	5	4	6	5		

С	ranking					9 m	m	
S	Wall Thickness	18						
Α	Thickness of Distance	5	7	7	7	7	-	
F	Minimum Gap	10	10	11	9	10	-	
Т	Cup Distance	4	6	5	4	4	-	

Cra	anking			1	8 m	m	
Α	Thickness of Distance	5	7	7			
F	Minimum Gap	1	1	2			
Т	Cup Distance	4	6	5			







# Impro Non Soft Close Hinge



Opening angle: 110°Cup diameter: 35mmCup Depth: 12,54 mm

Hinge Body: SteelHinge Cup: Steel

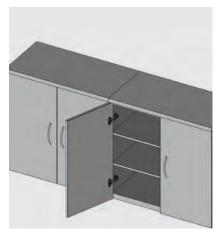
• Crank type: 0-9-18 mm

• Finish: Nickel

• Packaging: 125 Pieces

 Tool free and simple assembling and disassembling of the cabinet doors. Only one touch on the Track mechanism is enough to release and fix the cabinet doors.

• The eccentric part covering the hinge's body adds a forward and backward adjustability of 4mm.

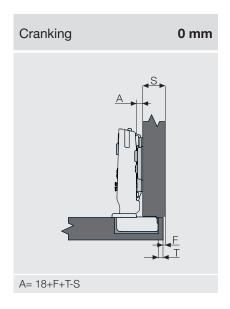


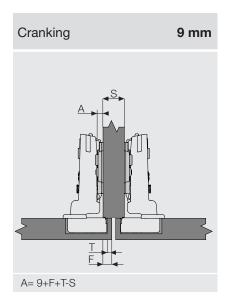
Cranking	0 mm.
Description	Code
Chipboard Screw"52mm."	10101313
Ø10 Dowel "52mm."	101013132

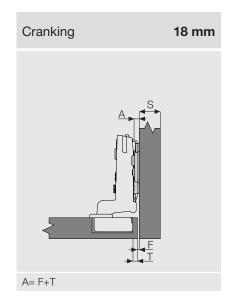
Cranking	9 mm.
Description	Code
Chipboard Screw"52mm."	10101323
Ø10 Dowel "52mm."	101013232

Cranking	18 mm.
Description	Code
Chipboard Screw"52mm."	10101333
Ø10 Dowel "52mm."	101013332





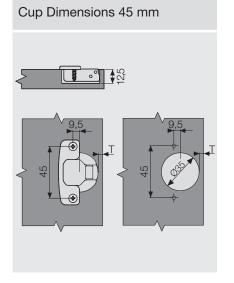


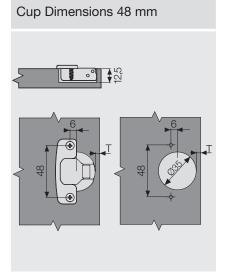


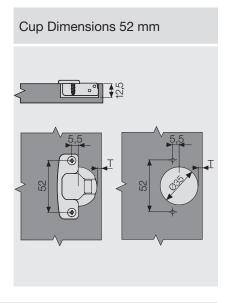
Calculation Table								
Cranking 0 mm								
S	Wall Thickness	18			18 16			
Α	Thickness of Distance	5	7	7	7	9	9	
F	Minimum Gap	1	1	2	1	1	2	
Т	Cup Distance	4	6	5	4	6	5	

Cra	anking				9 mm			
S	Wall Thickness 18 16			18				
Α	Thickness of Distance	5	7	7	7	7	-	
F	Minimum Gap	10	10	11	9	10	-	
Т	Cup Distance	4	6	5	4	4	-	

Cra	anking				1	8 mm
Α	Thickness of Distance	5	7	7		
F	Minimum Gap	1	1	2		
Т	Cup Distance	4	6	5		







# Impro Track Adjustable Mounting Plate



- Material: Steel
- Finish: Nickel
- Packaging: 125 Pieces
- Applicable to adjust up-down without releasing hinge and mounting plate.
- Applicable to adjust +/- 2 mm up-down by one move.
- Assembling and disassembling feature with one touch on the door without using a screwdriver.

Impro Track Adjustable Mounting Plate	5 mm.
Description	Code
Mounting Plate 6.3x14 Euro Screw	10260854
Mounting Plate Ø5 x7.5 Dowel	10260856

Adjustable Mounting Plate	7 mm.
Description	Code
Mounting Plate 6.3x14 Euro Screw	10260874
Mounting Plate Ø5 x7.5 Dowel	10260876

Impro Track Adjustable Mounting Plate	9 mm.
Description	Code
Mounting Plate 6.3x14 Euro Screw	10260894
Mounting Plate Ø5 x7.5 Dowel	10260896

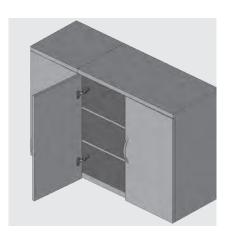


# **Dimensions**

# Star Track 110° Hinges



- Opening angle: 110°
- Cup diameter: 35mm.
- Cup Depth: 11.2mm.
- Hinge Body: Steel
- Hinge Cup: Steel
- Crank type: 0-9-18 mm.
- Coating: Nickel
- Assembling and disassembling feature with one touch on the door without using screw driver.



Cranking	0 mm.
Description	Code
Chipboard Screw"52mm."	1018113
Ø10 Dowel "52mm."	1018543

Cranking	9 mm.
Description	Code
Chipboard Screw"52mm."	1018123
Ø10 Dowel "52mm."	1018553

Cranking	18 mm.
Description	Code
Chipboard Screw"52mm."	1018133
Ø10 Dowel "52mm."	1018563

#### Page Directions

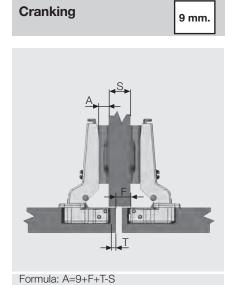
Assembling, Disassembling For Mounting Plate

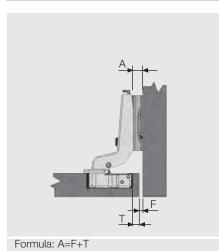
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18 mm.

# Cranking 0 mm. Formula: A=18+F+T-S



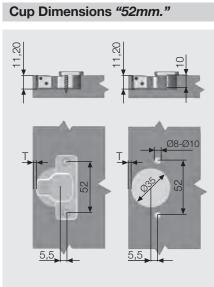


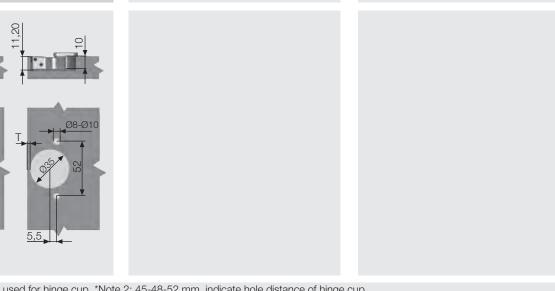
Cranking

Calculation Table							
Cr	anking				0	mn	ո.
s	Side Thickness		18			16	
Α	Mounting Plate Thickness	5	7	7	7	9	9
F	Minimum Gap	1	1	2	1	1	2
т	Cup Distance	4	6	5	4	6	5

Cranking 9 mm.							
s	Side Thickness		18			16	
Α	Mounting Plate Thickness	5	7	7	7	7	-
F	Minimum Gap	10	10	11	9	10	-
т	Cup Distance	4	6	5	5	4	-

Cra	anking				18	3 mr	n.
Α	Mounting Plate Thickness	5	7	7			
F	Minimum Gap	1	1	2			
Т	Minimum Gap	4	6	5			





\*Note 1: Dowels are used for hinge cup. \*Note 2: 45-48-52 mm. indicate hole distance of hinge cup.

# Star +30° Track Hinge



- Opening angle: 110°
- Cup diameter: 35mm.
- Cup Depth: 11.2mm.
- Hinge Body: Zamac
- Hinge Cup: Steel
- Crank type: 0-9-18 mm.
- Coating: Nickel
- Assembling and disassembling feature with one touch on the door without using screw driver.



Description	Code
Chipboard Screw"52mm."	1018053
Ø10 Dowel "52mm."	1018493

#### **Page Directions**

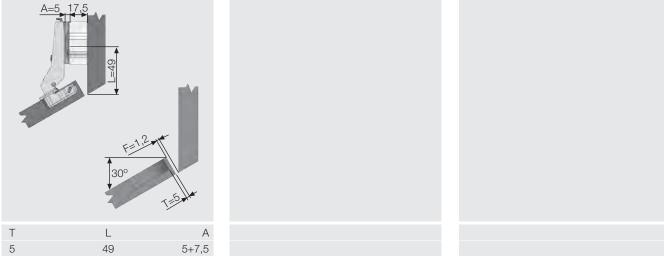
Assembling, Disassembling For Mounting Plate

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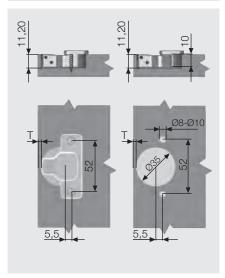


5+7,5

# Application Alternatives Please check page P29 for (+5) or (-5) distances or distances for specifications to acquire mid measures if it is required A=5 T L A T L A T L A A Application Alternatives A=5 Application Alternatives



#### Cup Dimensions "52mm."



\*Note 1: Dowels are used for hinge cup. \*Note 2: 52 mm. indicate hole distance of hinge cup.

# Star -30° Track Hinge



- Opening angle: 110°
- Cup diameter: 35mm.
- Cup Depth: 11.2mm.
- Hinge Body: Zamac
- Hinge Cup: Steel
- Crank type: 0-9-18 mm.
- Coating: Nickel
- Assembling and disassembling feature with one touch on the door without using screw driver.



#### Star -30° Track Hinge

Description	Code
Chipboard Screw"52mm."	1018073
Ø10 Dowel "52mm."	1018693

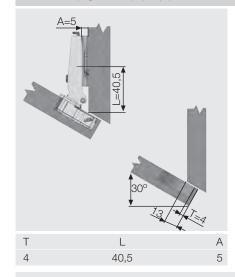
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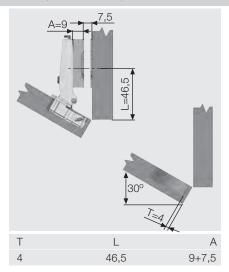
Assembling, Disassembling For Mounting Plate

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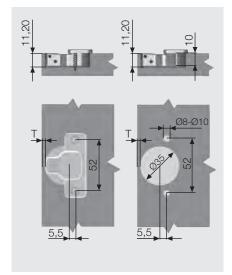


**Application Alternatives**Please check page F29 for (+5) or (-5) distances or distances for specifications to acquire mid measures if it is required





#### Cup Dimensions "52mm."

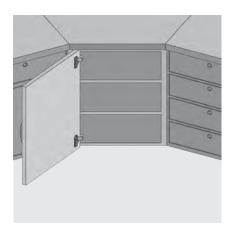


\*Note 1: Dowels are used for hinge cup. \*Note 2: 52 mm. indicate hole distance of hinge cup.

# Star +45° Track Hinge



- Opening angle: 110°
- Cup diameter: 35mm.
- Cup Depth: 11.2mm.
- Hinge Body: Steel
- Hinge Cup: Steel
- Coating: Nickel
- Assembling and disassembling feature with one touch on the door without using screw driver.



Star	45°	<b>Track</b>	Hinge
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Description	Code
Chipboard Screw"52mm."	1018143
Ø10 Dowel "52mm."	1018773

#### **Page Directions**

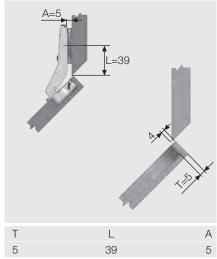
Assembling, Disassembling For Mounting Plate

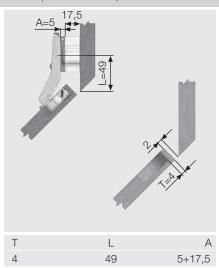
Pg. F33

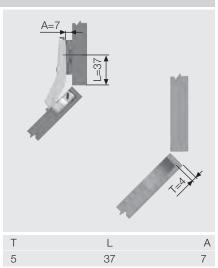




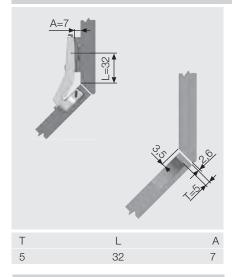
**Application Alternatives**Please check page F29 for (+5) or (-5) distances or distances for specifications to acquire mid measures if it is required

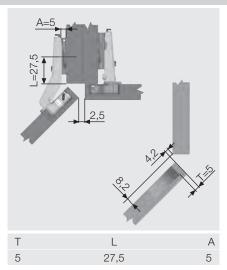


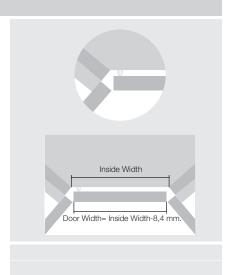




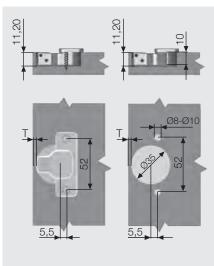
#### **Application Alternatives**

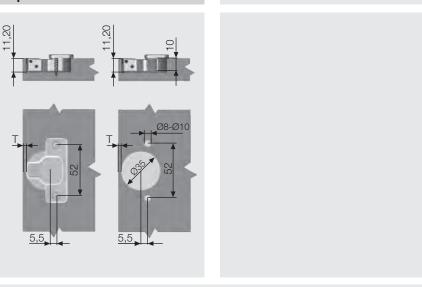






#### Cup Dimensions "52mm."







# Star -45° Track Hinge



- Opening angle: 110°
- Cup diameter: 35mm.
- Cup Depth: 11.2mm.
- Hinge Body: Zamac
- Hinge Cup: Steel
- Coating: Nickel
- Assembling and disassembling feature with one touch on the door without using screw driver.



,	Star	-45°	Irack	Hinge	

Description	Code
Chipboard Screw"52mm."	1018083
Ø10 Dowel "52mm."	1018873

#### **Page Directions**

Assembling, Disassembling For Mounting Plate

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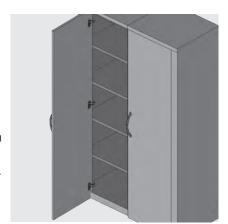
# **Application Alternatives**Please check page F27 for (+5) or (-5) distances or distances for specifications to acquire mid measures if it is required L=51 45° L L 4 4 51 44 5+7,5 Cup Dimensions "52mm." 5,5

\*Note 1: Dowels are used for hinge cup. \*Note 2: 52 mm. indicate hole distance of hinge cup.

# Star Track Blind Corner Hinge



- Opening angle: 110°
- Cup diameter: 35mm.
- Cup Depth: 11.2mm.
- Hinge Body: Zamac
- Hinge Cup: Steel
- Coating: Nickel
- Assembling and disassembling feature with one touch on the door without using screw driver.



Star 90° Track Hinge		
Description	Code	
Chipboard Screw"52mm."	1018153	
Ø10 Dowel "52mm."	1018393	

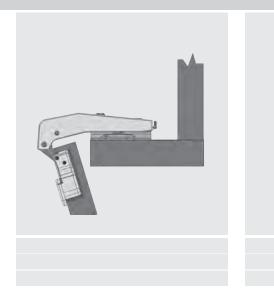
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Assembling, Disassembling For Mounting Plate

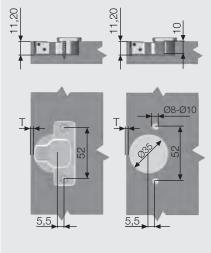
Pg. F33

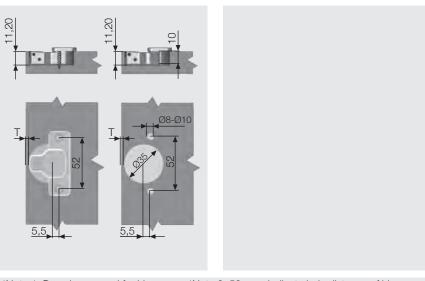


# **Application Alternatives** min. 60mm. Α 3 5 2 19 19



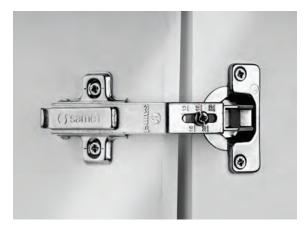
#### Cup Dimensions "52mm."



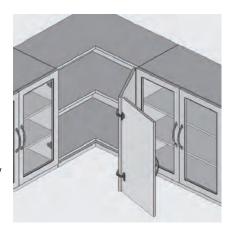


\*Note 1: Dowels are used for hinge cup. \*Note 2: 52 mm. indicate hole distance of hinge cup.

# Star Track Folding Door Hinge



- Opening angle: 160°
- Cup diameter: 35mm
- Cup depth: 11.2mm
- Hinge body: Steel
- Hinge Cup: Steel
- Coating: Nickel
- Assembling and disassembling feature with one touch on the door without using screw driver.



Star Track	<b>Folding</b>	Door
Hinge		

Description	Code
Chipboard Screw"52mm."	1018063
Ø10 Dowel "52mm."	1018913

#### **Page Directions**

Assembling, Disassembling For Mounting Plate

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# Star 165° Track Hinge



- Opening angle: 165°
- Cup diameter: 35mm.
- Cup Depth: 11.2mm.
- Hinge Body: Zamac+Steel
- Hinge Cup: Steel
- Coating: Nickel
- Assembling and disassembling feature with one touch on the door without using screw driver.



Cranking	0 mm.
Description	Code
Chipboard Screw"48mm."	1019041
Ø10 Dowel "52mm."	10190413

Cranking	9 mm.
Description	Code
Chipboard Screw"48mm."	1019481
Ø10 Dowel "52mm."	10194813

Cranking	18 mm.
Description	Code
Chipboard Screw"48mm."	1019511
Ø10 Dowel "52mm."	10195113

#### **Page Directions**

Assembling, Disassembling For Mounting Plate

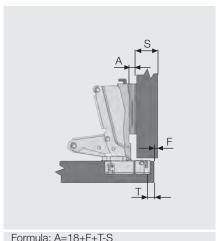
Pg. F33

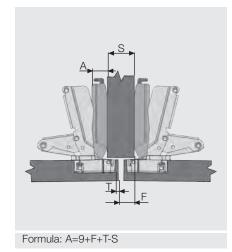


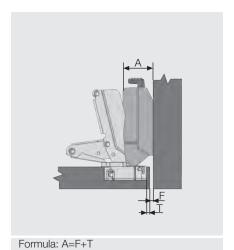
#### Cranking 0 mm.

#### Cranking 9 mm.

#### Cranking 18 mm.







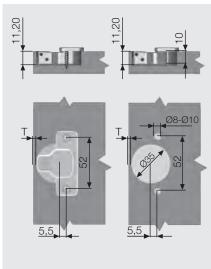
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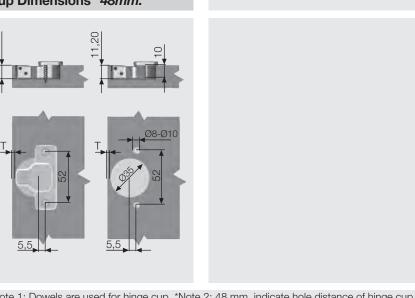
Cranking 0 mm.							
s	Side Thickness		18			16	
Α	Mounting Plate Thickness	5	7	7	7	9	9
F	Minimum Gap	1	1	2	1	1	2
т	Cup Distance	4	6	5	4	6	5

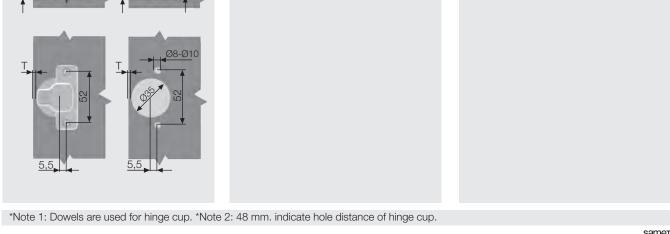
Cra	anking				9	mm	i.
S	Side Thickness		18			16	
Α	Mounting Plate Thickness	5	7	7	7	7	-
F	Minimum Gap	10	10	11	9	10	-
т	Cup Distance	4	6	5	5	4	-

Cra	anking				18	3 mm	-
Α	Mounting Plate Thickness	5	7	7			
F	Minimum Gap	1	1	2			
т	Minimum Gap	4	6	5			

#### Cup Dimensions "48mm."



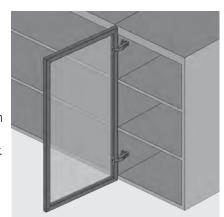




# Aluminium Profile Star Track Hinge



- Opening angle: 95°
- Hinge Body: Steel
- Hinge Cup: Zamac
- Crank type: 0-9-18
- Coating: Nickel
- Assembling and disassembling feature with one touch on the door without using screw driver.



Cranking	0 mm.
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# Aluminium Profile Star Track Hinge

Description	Code
Cranking	103114

Cranking	9 mm.					
Aluminium Profile Star Track Hinge						
Description	Code					
Cranking	103115					

#### **Page Directions**

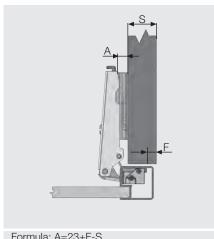
Assembling, Disassembling For Mounting Plate

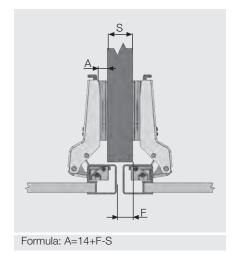
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#### Cranking 0 mm.







Formula:	A=23+F-S

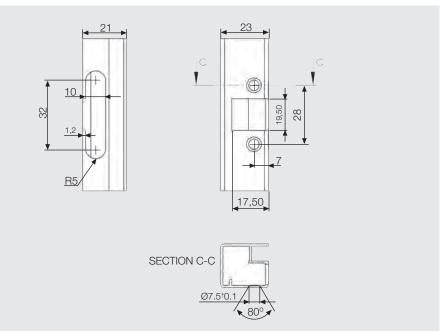
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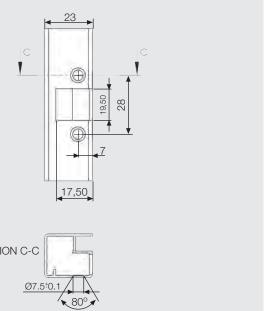
Cranking	0 mm.

s	Side Thickness	1	8	16		
Α	Mounting Plate Thickness	5	7	7	9	
F	Minimum Gap	0	2	0	2	

Mounting Plate Thickness  F Minimum Gap  10 11 9 -	s	Side Thickness	1	8	1	6
F 10 11 9 -	Α	Plate	6	7	7	-
	F		10	11	9	-

#### **Cup Hole Dimensions**





# Star Track Hinge Mounting Plate



- Material: Steel
- It can be adjusted vertically.
- Coating: Nickel
- Packing: 250 Pieces

Star Track Hinge	<i>-</i>
Mounting Plate	5 mm.

Description	Code L:37mm.
Screw on, Steel	102611
Pre mounted Euro Screw 6.3x14, Steel	102631
Ø10mm Dowel, Steel	102649

Star Track Hinge	7 mm.
Mounting Plate	/ mm.

Description	Code L:37mm.
Screw on, Steel	102612
Pre mounted Euro Screw 6.3x14, Steel	102632
Ø10mm Dowel, Steel	102650

Star Track Hinge	0
Mounting Plate	9 mm.

Description	Code L:37mm.
Screw on, Steel	102613
Pre mounted Euro Screw 6.3x14, Steel	102633
Ø10mm Dowel, Steel	102651

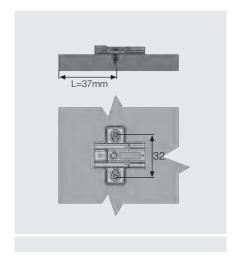
Pg. F33

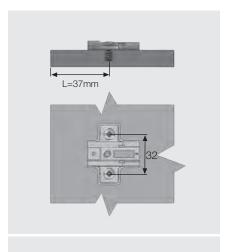
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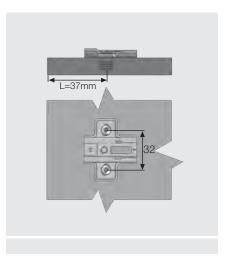
For Assembly

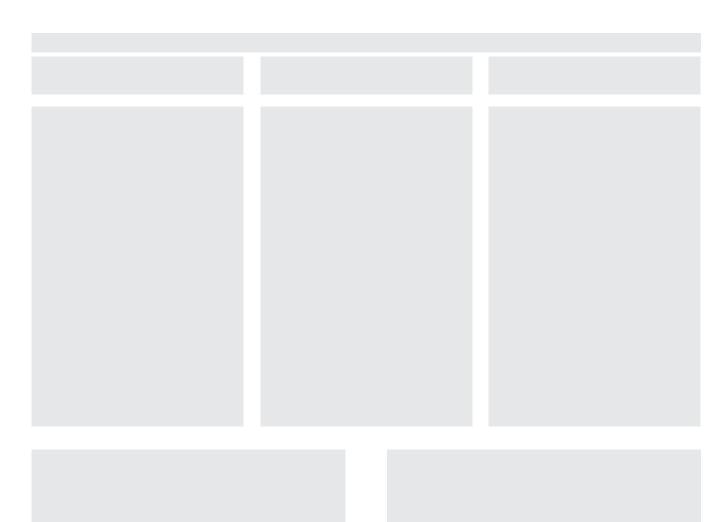


#### **Dimensions**









# StarPlus<sup>†</sup> Hinge Soft Close Mechanism



- Easy assembly/disassembly.
- Stop speed and force can be adjusted easily by adjustment.
- Adaptable only with Star Track and Star hinges.



#### Soft Close Mechanism for Star Plus Hinge Cranking "0"mm

Colour	Packing	Code
Nickel	Each	10299904

#### Soft Close Mechanism for Star Plus Hinge Cranking "9"mm

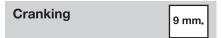
Colour	Packing	Code
Nickel	Each	10299905

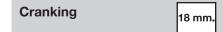
#### Soft Close Mechanism for Star Plus Hinge Cranking "18"mm

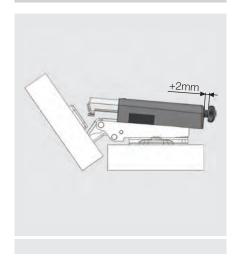
Colour	Packing	Code
Nickel	Each	10299906

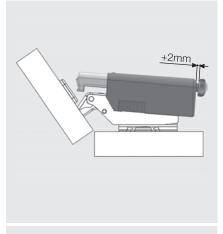


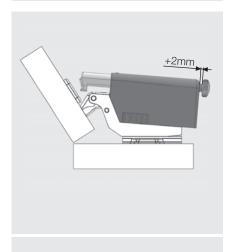
#### Cranking 0 mm.





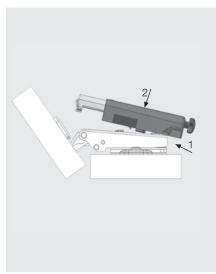








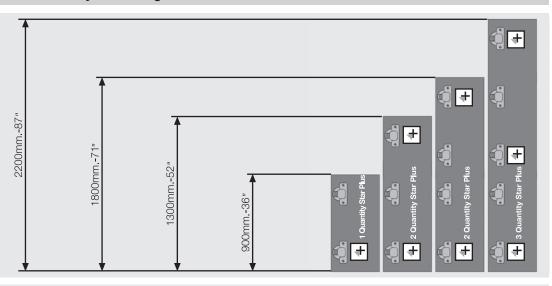




**Dissembling** 

#### **Necessity the Star Plus Quantity According to Door Size**

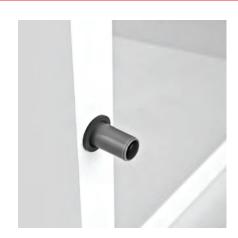
- \* Quantity of soft close mechanism can be calculated according to door size and hinge quantity.
- \* The door width is 450mm.



#### Plus Soft Close Mechanism



- Applicable to hinges excepting cranking 0mm, 9mm and 18mm
- Applicable to hole Ø10mm.



#### Plus Soft Close Mechanism Hinge Side

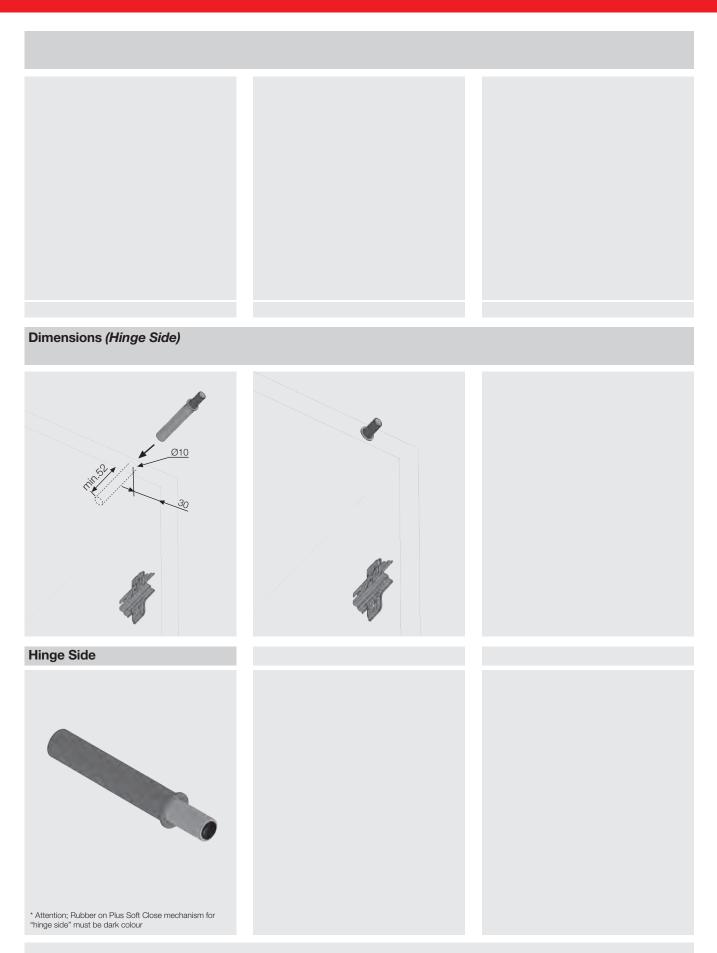
Colour	Packing	Code
Grey	Each	10299909

#### **Page Directions**

For Adapter Applications

Pg. F26, F27 and F28





# Push-Open Long Latch and Adapter

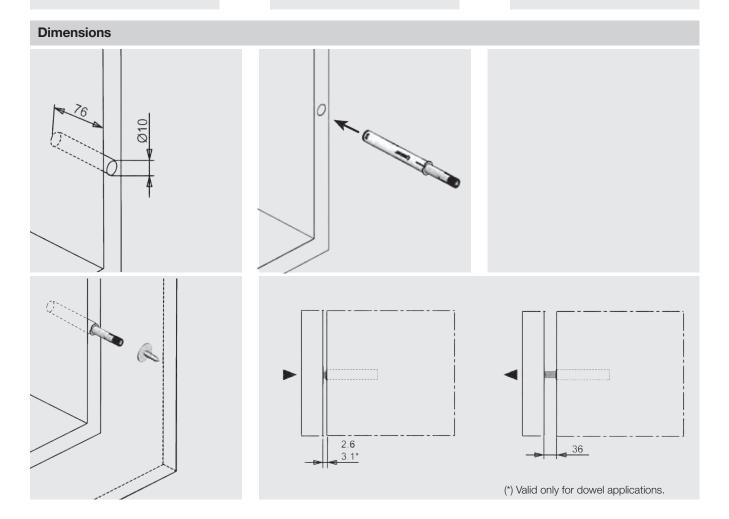


- Used with unsprung and standard hinges.
- Min. gap 2.6 mm.
- For eliminating assembling errors it provides 4mm adjusting distances.
- It can be assembled in cabinet by using long latch adapter coded 10299921.
- It can be assembled by drilling on face of cabinet.



Push-Open Long Latch			
Colour	Packing	Code	
Grey	Each	10299924	

Push-Open Door Magnet		
Colour	Packing	Code
Nickel	Each	10299926







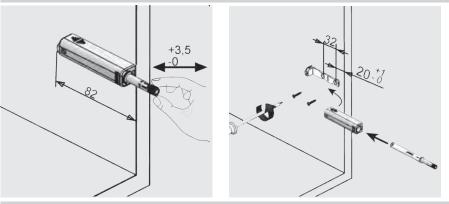
- Used with unsprung or reverse sprung hinges
- Minimum gap 2.6 mm.
- Assembling errors <sup>-1.5</sup><sub>+4</sub> mm.
- It can be assembled by drilling on face of cabinet.

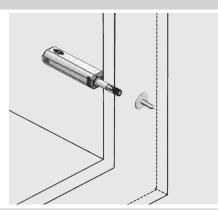


# Push-Open Adapter For Long Latch

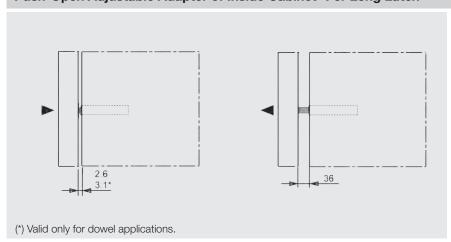
Colour	Packing	Code
Grey	Each	10299921

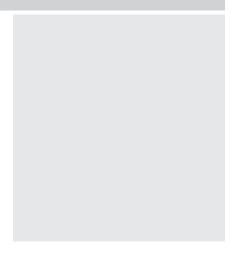
#### Push-Open Adjustable Adapter of Inside Cabinet "For Long Latch"





Push-Open Adjustable Adapter of Inside Cabinet "For Long Latch"





#### Plus Soft Close



- It provides to assemble Plus soft close in to cabinet.
- Applicable to inside doors.
- Easy assembly with screw without drilling Ø10 hole.
- Suitable for 37 mm hole system.



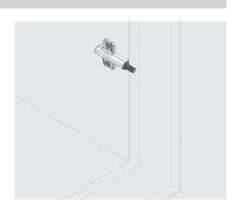
# Plus Soft Close and Push-Open Inside Cabinet Adapter 37mm.

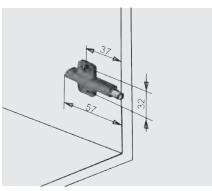
Description	Appearance	Package	Code
Plus Soft Close only	Grey	Each	10299911

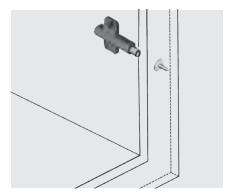
#### Adapter Dimensions for Plus Soft Close Mechanism

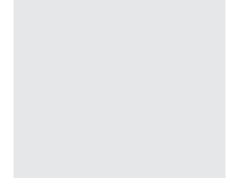












#### **Page Directions**





- It provides to assemble Plus soft close into cabinet.
- Applicable to assemble by aligning on body.
- Easy assembly with screw without drilling Ø10 hole.

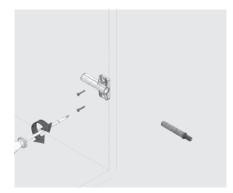


#### Plus Soft Close and Push-Open Inside Cabinet Adapter

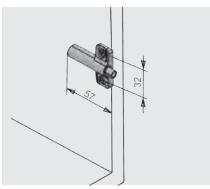
Description	Appearance	Package	Code
Plus Soft Close only	Grey	Each	10299913

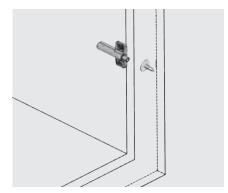
#### **Adapter Dimensions for Plus Soft Close Mechanism**

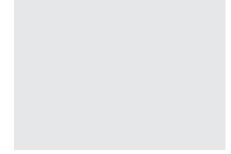












#### **Page Directions**

# distance space plates

 $(+5^{\circ})$ - $(-5^{\circ})$  Star Track and Star Hinge Distance Space Plates



• Material: Plastic

#### (+5°) Star Track and Star Hinge **Distance Space Plate**

Description	Appearance	Packing	Code
+5° Plastic Distance Space Plate	Grey	Each	102112



• Material: Plastic

# (-5°) Star Track and Star Hinge

**Distance Space Plate** 

Description	Appearance	Packing	Code
-5° Plastic Distance Space Plate	Grey	Each	102113

# distance space plates



# 17.5mm Star Track and Star Hinge Distance Space Plate

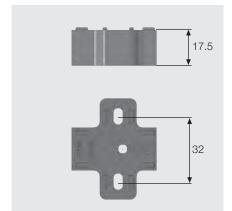


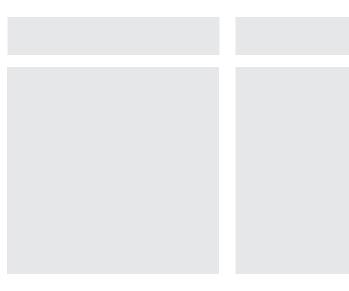
• Material: Plastic

#### 17.5 mm Star Track and Star Hinge **Distance Space Plate**

Description	Appearance	Packing	Code
17.5mm Plastic Distance Space Plate	Grey	Each	102110

#### **Dimensions**





# distance space plates

# 7.5mm Star Track and Star Hinge Distance Space Plate

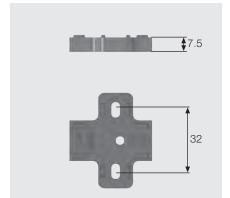


• Material: Plastic

#### 7.5 mm Star Track and Star Hinge **Distance Space Plate**

Description	Appearance	Packing	Code
7.5mm Plastic Distance Space Plate	Grey	Each	102111

#### **Dimensions**





# hinge covers







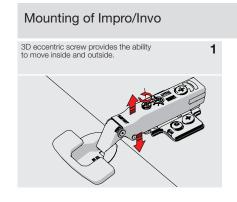
Star Cranking 0mm. Hinge Decor			
Description	Appearance	Packing	Code
Star Hinge Decor	Nickel	Each	1025114

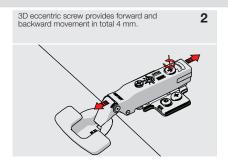
\* This product is only usable with Cranking 0 mm. Star hinge and Star Track hinge.

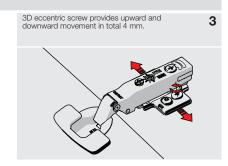
samet

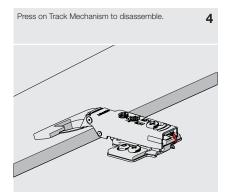
# assembling and disassembling

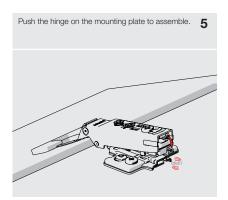
# Impro/Invo and Star Track Mounting Plate and Hinge

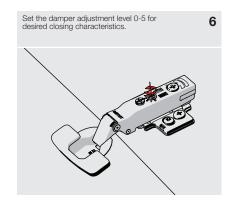


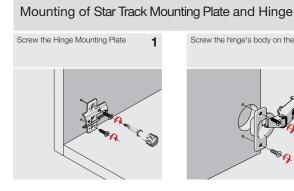


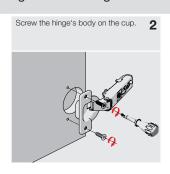






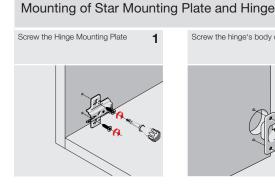


















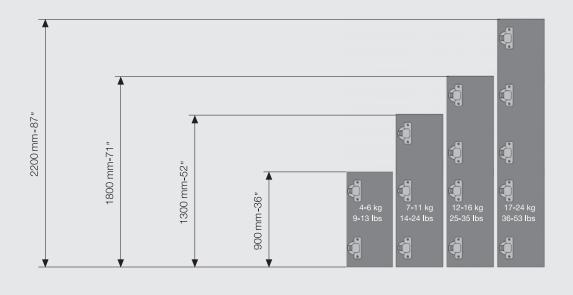
# assembling

# Dimension Charts and Symbols



#### Required Hinge Quantity for Wooden Doors

- \* Quantity of hinges can be calculated according to door dimensions and weight of the door by referring to the diagram.
  \* The door width is 450mm.



#### Required Impro Soft Close Hinge Quantity

\* Required Impro Soft Close Hinge quantity according to door dimensions is shown below.
\* The door width is 450mm.

#### ADVANTAGE:

INSTALLATION OF SOFT CLOSE INTEGRATED HINGE + REGULAR HINGE ENSURES BETTER QUALITY OF SOFT CLOSING-OPENING DOOR PERFORMANCE.

