

# SAMSUNG FURNITURE FITTINGS





## As a much more reliable business partner for you

We, SAMSUNG Precision Ind. corp., are one of the leading manufacturers of functional furniture hardware.

Our main items cover all hardware parts for kitchen and furniture, such as door hinge, door damper, drawer damper drawer runner & slide, soft-closing system, system furniture, roller system for window and so on.

SAMSUNG provides fine products that are engineered and manufactured with the high quality standards and will give years of satisfying service, certified with ISO 9001, FIRA, LGA, KSA, United States Testing Company, etc. It means that you are assured of consistent quality in every SAMSUNG's products.

For the last over 35 years, SAMSUNG has accumulated a

massive technical and manufacture know-how, allowed to develop new solutions to fulfill the requirements of market place with its patented irex system

We, over 400 employees in Samsung Precision Ind. have come together in mind and body to put forth all efforts into making Samsung irex brand. as the better hardware company, And we are even now striving for achieving the more reliable business partner for you.

Please be kindly aware that our goal is not the best company but to be the much more reliable business partner for you.

We expect that the information here gives you a better idea of the scope and scale of your business operations.

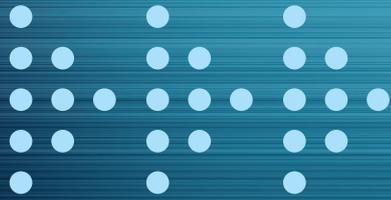
And we thank you for your reliable partnership and your sincere support.



## QUALITY GUARANTEE

We provide fine products that are engineered and manufactured with the high quality standards and will give years of satisfying service. SAMSUNG stands behinds its products and warrants them to be free from Defects in material and workmanship.

SAMSUNG, therefore, guarantees the replacement of any defective product Subject to this warranty.



# CONTENTS



Company Outline \_ 04

Damper Hinge \_ 06

Hinge \_ 32



Damper \_ 68

Drawer \_ 72

Damping Under Rail \_ 79



Ball Bearing Slide \_ 82

Gas Shock Absorber \_ 84

Damping Gas Shock Absorber \_ 86

# COMPANY OVERVIEW

We are dedicated to ourselves to make human-friendly and environment-friendly products, integrating digital technology on traditional furniture hardware.

<b>Company</b>	Samsung Precision Ind. Co., Ltd
<b>CEO</b>	Chul-Soo Pyo, Jin-Ho Pyo
<b>Head office/plant</b>	178-47 Gajwa-dong Seo-gu Incheon Korea
<b>Capital</b>	7.8 billion Won
<b>Main Item</b>	Furniture Hardware, Windows & Doors' Roller System, System Furniture

# HISTORY

## 1970~1980

- 02.1979 Established Samsung Precision Ind.
- 12.1986 Moving the head office to Incheon
- 07.1987 Selected as "The prospected small and medium enterprises"
- 04.1988 Switchover the incorporation to Samsung Precision Ind. Co., Ltd

## 1990

- 11.1991 Exporting HINGE PLANT to Hebeisheng in China
- 05.1992 Exporting DRAWER RUNNER PLANT to Shanghai in China
- 11.1993 Awarded a commendation by the minister of trade and industry
- 02.1994 On a TV program "A small enterprise, big economy" on KBS
- 11.1994 Certified by FILA in U.K and ANSI/BHMA in U.S.A
- 01.1995 Launched a brand name "IREX"
- 03.1998 Selected as "The coming Venture Business"
- 03.1999 Awarded a presidential commendation (Export part)
- 08.1999 Assignment as a federal supporting enterprise (Export part)
- 12.1999 Certified by Korean Standards Association (KSA/ISO 9001)
- 12.1999 Authorizing an institute of Samsung Precision Ind. Co., Ltd

## 2000

- 09.2000 An increase in the capital
- 11.2000 Certified by KSA (KS-Cup hinge part)
- 06.2001 Certified by KSA (KS-Sash roller part)
- 06.2002 Certified by KSA (The Best Product-Hinge part)
- 07.2003 Certified by KSA (The Best Product-Wardrobe part)
- 08.2003 An overseas investment : Tianjin irex Samsung Precision Ind. Co., Ltd in China
- 03.2004 Patent for eccentric screw of kitchen furniture's hinge (Patent No. 426408)  
(Holding 36 of national and international patents)
- 06.2004 Moving the head office to Gajwa-dong, Incheon
- 11.2004 Tianjin irex certified by KSA (Hinge and Sash roller part)
- 02.2005 Selected as "The INNO-BIZ (Innovation Business)" by the Small and Medium Business Administration
- 12.2005 Overseas Investment : Tianjin, China factory(2nd amount invested: USD 2,000,000)
- 02.2006 Official Commendation from small & medium business special committee directly responsible to the President
- 12.2008 Winning a prize for exporting USD 3,000,000
- 08.2009 ISO 14001 Certificate acquired
- 11.2010 Winning a prize for exporting USD 5,000,000

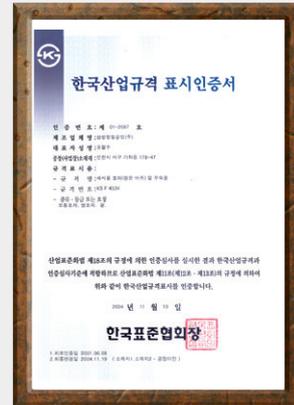
# CERTIFICATE



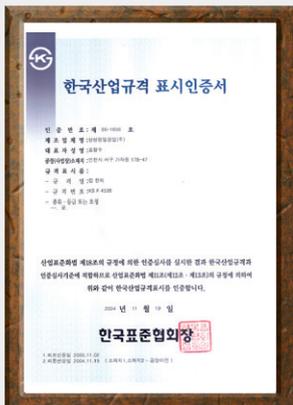
U.S.A industrial standard  
ANSI/BIFMA



U.K industrial standard  
FIRA



Korean industrial standard  
KS



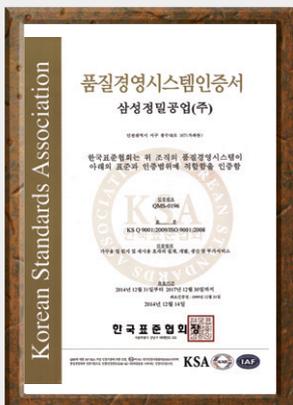
Korean industrial standard  
KS



Research institute



INNO-BIZ



ISO 9001



LGA Report  
(Door Damper)



## NEW SOFT-CLOSING HINGE



Function and design for perfect motif

We implement the best quality and services to satisfy the customer needs.

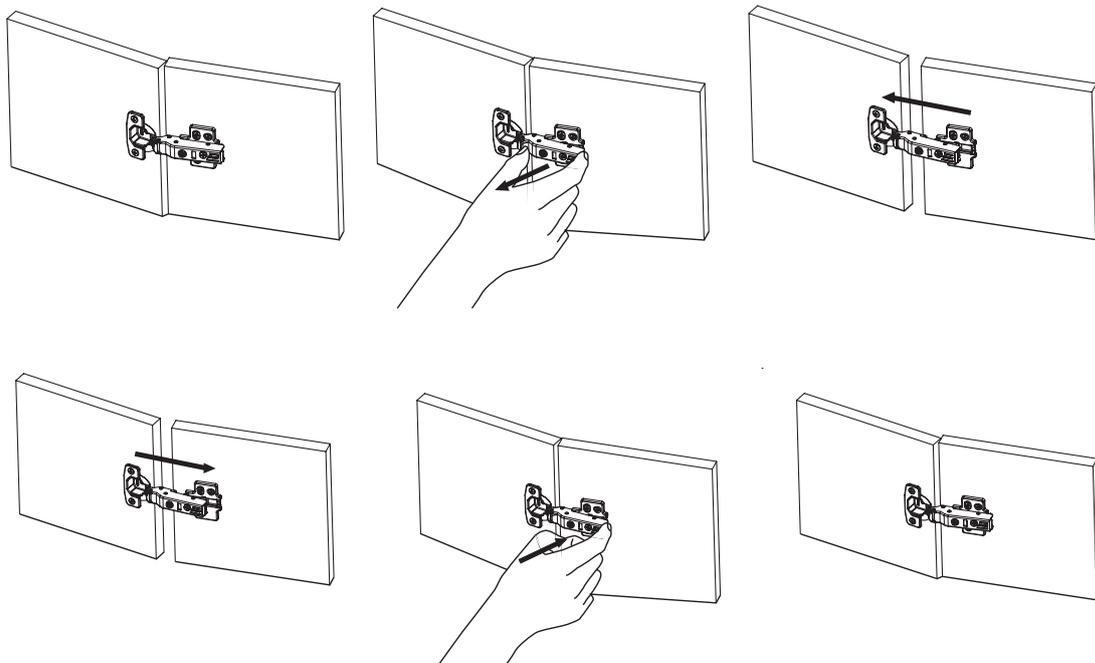
# New Soft-Closing Hinge

## Clip on system

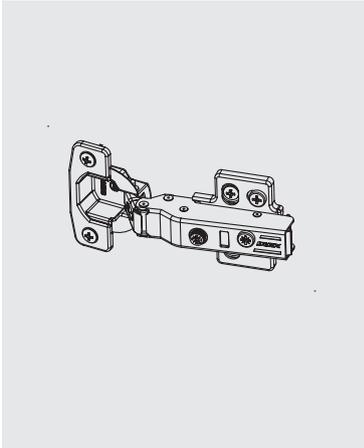
Door is assembled on the cabinet side easily by sticking the two hooks under the hinge body on the outer part of the mounting plate and pressing smoothly on the rear part of the hinge body.

For disassembly, the button on the rear of the hinge body has to be pressed.

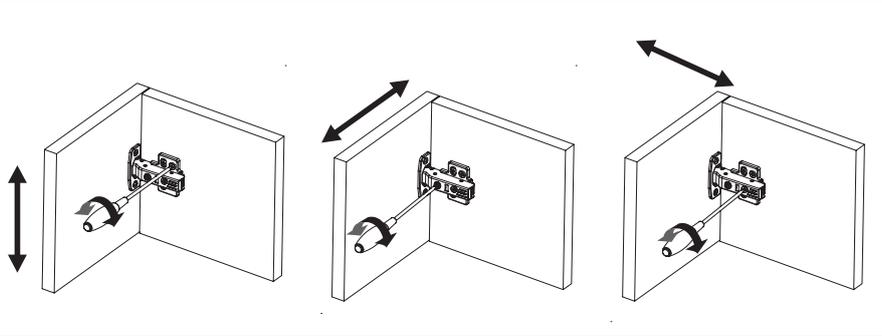
### The range with push-fit mounting method



#### Push-fit mounting diagram



#### Adjustment facilities



**Vertical**  
via slots in the mounting plate

**Lateral**  
by screw adjustment

**Depth**  
by slackening the hinge arm mounting screw

## Soft-Closing Hinge(Clip on), Opening angle 110°



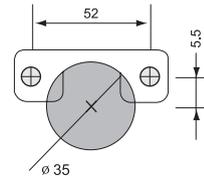
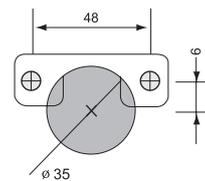
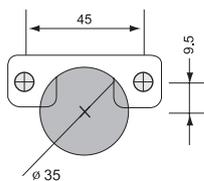
- Metal hinge
- Nickel plated
- Opening angle 110°
- Self-closing with spring(Standard type)
- 3-Dimensional adjustment  
(with relevant mounting plate)
- Suitable for cam mounting plates
- Damper integrated in the hinge body

### CUP DIMENSION

45 / 9.5

48 / 6

52 / 5.5



### CUP SPACING

45 / 9.5

48 / 6

52 / 5.5



Item No  
**1775DSB**

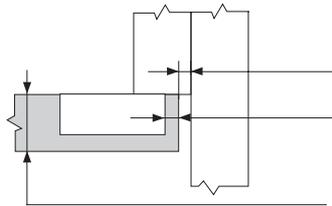
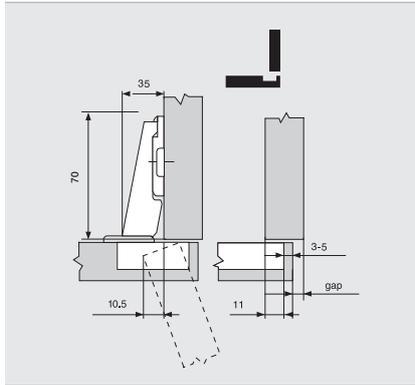
Item No  
**1775DSC**

Item No  
**1775DSH**

**Full Overlay** Cranking 0mm

## Installation dimensions

Hinge dimensions and gap calculation based on factory setting (mounting plate spacing= 0-9mm)  
 Hinge and door protrusion of full opening angle

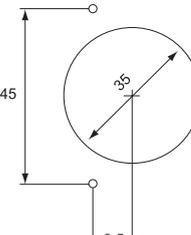
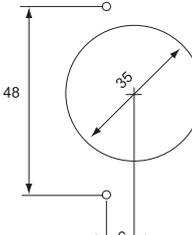
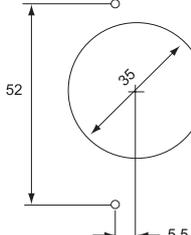
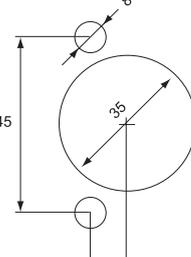
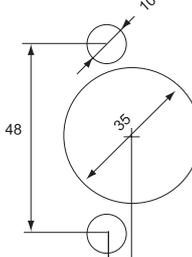
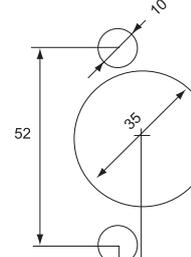


		minimum gap requirement in mm										
drilling dist. : from 3mm to 5mm	0.8	1.4	1.8	2.2	3.1	4.5	A trial application is recommended					
	0.8	1.3	1.5	1.9	2.7	3.8						
Door thickness in mm	16	18	19	20	22	24	26	28	29	30	31	32

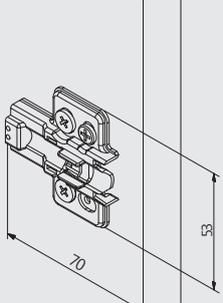
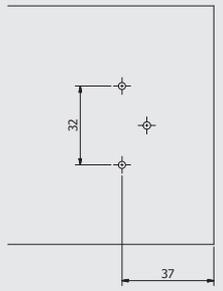
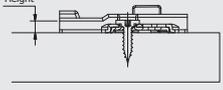
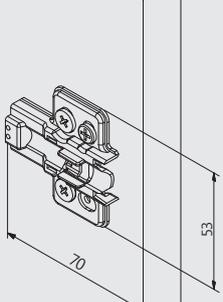
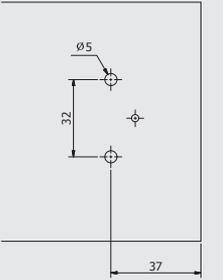
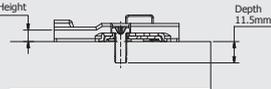
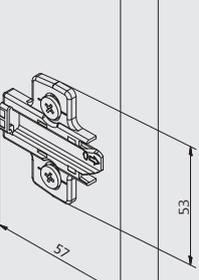
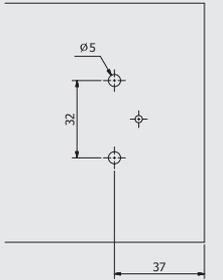
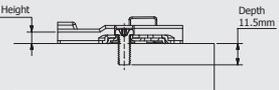
The above figures are based on doors with radiused edges (R=1mm)

Full Overlay											Half Overlay											Inset						
A											A											A						A : Door overlay B : Drilling distance H : Mounting plate height
11	12	13	14	15	16	17	18	19	H	1.5	2.5	3.5	4.5	5.5	6.5	7.5	8.5	9.5	H	-2.5	-1.5	-0.5	0.5	H				
B			3	4	5	6	3			B			3	4	5	6	3			B			3	4	5	6	0	
3			4	5	6	5			3			4	5	6	5													

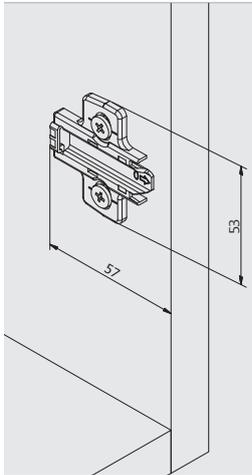
## Installation

 SLIDE-ON  Premounted chipboard screws			
 KNOCK-IN  TOOL-FREE			

## Mounting Plate for Soft-Closing Hinge(Clip on type)

 <ul style="list-style-type: none"> <li>• Material : steel</li> <li>• Finish : nickel</li> <li>• Fixing with 3.5mm chipboard screws</li> <li>• with height adjustment <math>\pm 2\text{mm}</math></li> </ul>															
<table border="1"> <thead> <tr> <th>Spacing</th> <th>Height</th> <th>Item No.</th> </tr> </thead> <tbody> <tr> <td>0mm</td> <td>5.0mm</td> <td>0SD</td> </tr> <tr> <td>3mm</td> <td>7.5mm</td> <td>3SD</td> </tr> </tbody> </table>			Spacing	Height	Item No.	0mm	5.0mm	0SD	3mm	7.5mm	3SD				
Spacing	Height	Item No.													
0mm	5.0mm	0SD													
3mm	7.5mm	3SD													
 <ul style="list-style-type: none"> <li>• Material : steel</li> <li>• Finish : nickel</li> <li>• Fixing with pre-mounted system screws <math>\phi 6\text{mm}</math></li> <li>• With height adjustment <math>\pm 2\text{mm}</math></li> </ul>															
<table border="1"> <thead> <tr> <th>Spacing</th> <th>Height</th> <th>Item No.</th> </tr> </thead> <tbody> <tr> <td>0mm</td> <td>5.0mm</td> <td>0SDE</td> </tr> <tr> <td>3mm</td> <td>7.5mm</td> <td>3SDE</td> </tr> </tbody> </table>			Spacing	Height	Item No.	0mm	5.0mm	0SDE	3mm	7.5mm	3SDE				
Spacing	Height	Item No.													
0mm	5.0mm	0SDE													
3mm	7.5mm	3SDE													
 <ul style="list-style-type: none"> <li>• Material : steel</li> <li>• Finish : nickel</li> <li>• Fixing with pre-mounted system screws <math>\phi 6\text{mm}</math></li> <li>• With height adjustment <math>\pm 2\text{mm}</math></li> </ul>															
<table border="1"> <thead> <tr> <th>Spacing</th> <th>Height</th> <th>Item No.</th> </tr> </thead> <tbody> <tr> <td>0mm</td> <td>5.0mm</td> <td>0SCE</td> </tr> <tr> <td>3mm</td> <td>7.5mm</td> <td>3SCE</td> </tr> <tr> <td>5mm</td> <td>9.5mm</td> <td>5SCE</td> </tr> </tbody> </table>			Spacing	Height	Item No.	0mm	5.0mm	0SCE	3mm	7.5mm	3SCE	5mm	9.5mm	5SCE	
Spacing	Height	Item No.													
0mm	5.0mm	0SCE													
3mm	7.5mm	3SCE													
5mm	9.5mm	5SCE													

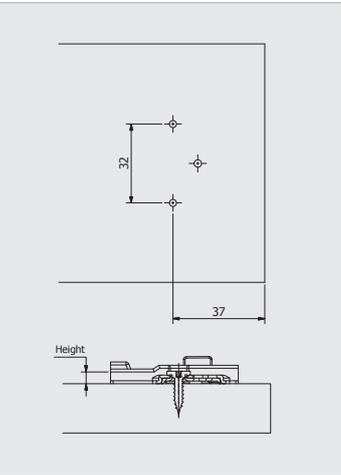
## Mounting Plate for Soft-Closing Hinge(Clip on type)



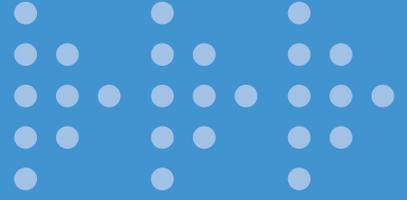
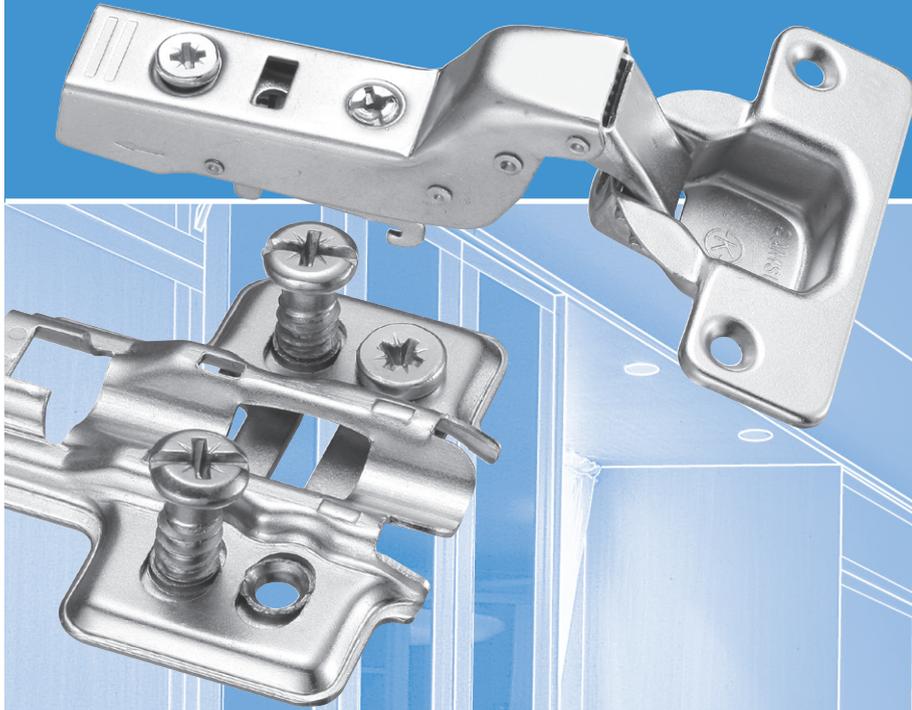
- Material : steel
- Finish : nickel
- Fixing with 3.5mm chipboard screws
- with height adjustment  $\pm 2\text{mm}$



Spacing	Height	Item No.
0mm	5.0mm	0SC
3mm	7.5mm	3SC
5mm	9.5mm	5SC



## SOFT-CLOSING HINGE



Function and design for perfect motif

We implement the best quality and services to satisfy the customer needs.

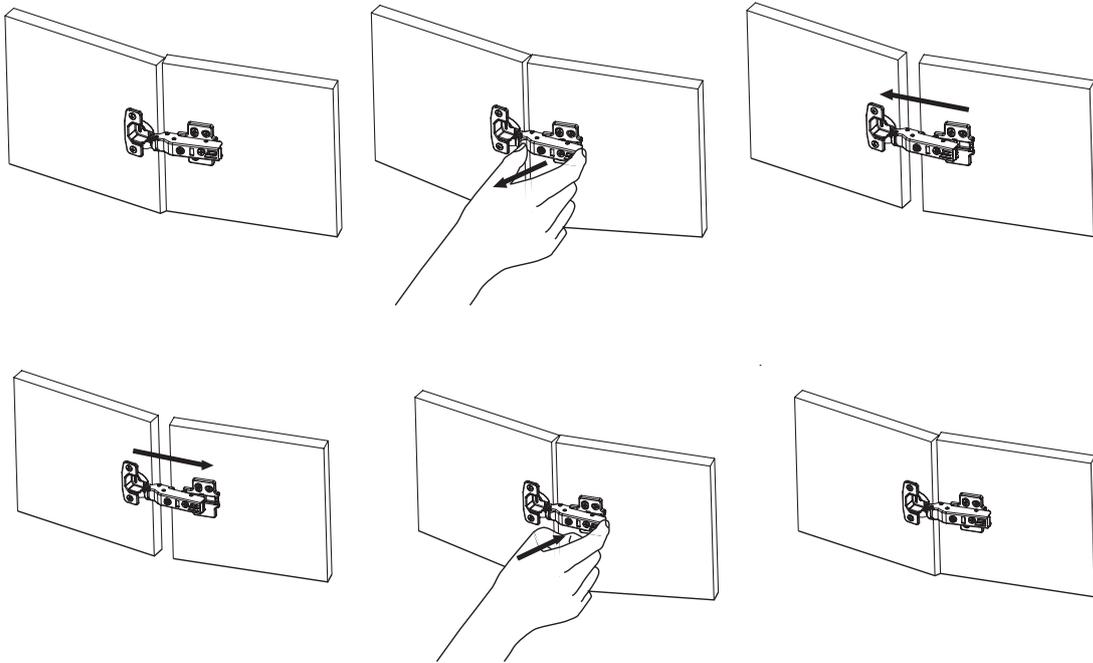
# Soft-Closing Hinge

## Clip on system

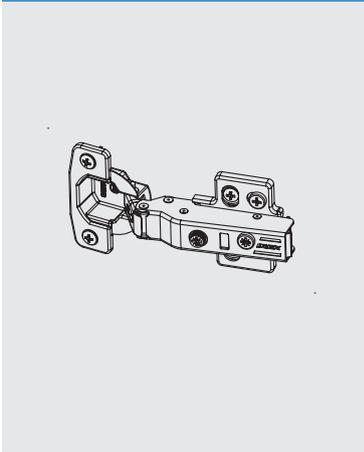
Door is assembled on the cabinet side easily by sticking the two hooks under the hinge body on the outer part of the mounting plate and pressing smoothly on the rear part of the hinge body.

For disassembly, the button on the rear of the hinge body has to be pressed.

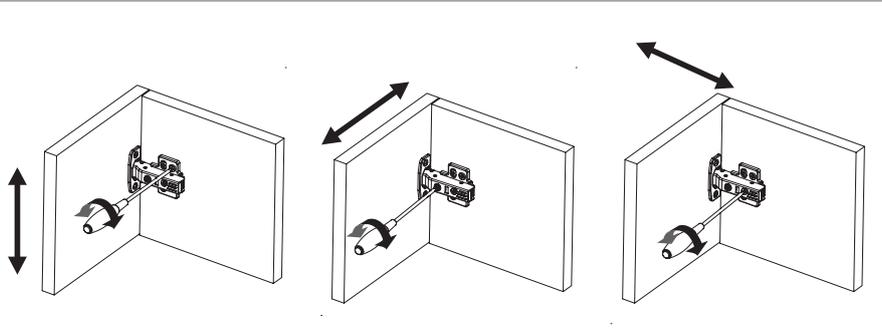
### The range with push-fit mounting method



#### Push-fit mounting diagram



#### Adjustment facilities

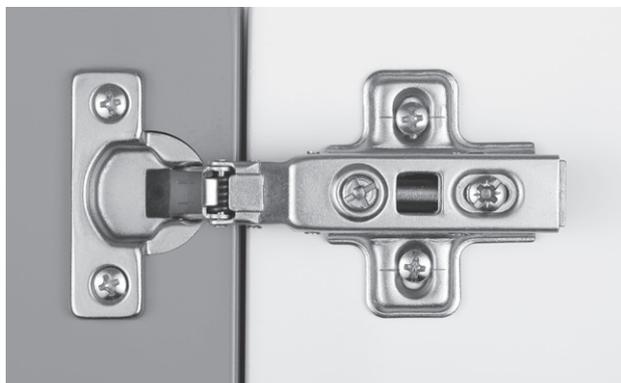


**Vertical**  
via slots in the mounting plate

**Lateral**  
by screw adjustment

**Depth**  
by slacking the hinge arm mounting screw

## Soft-Closing Hinge(Clip on), Opening angle 94°



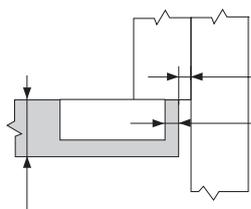
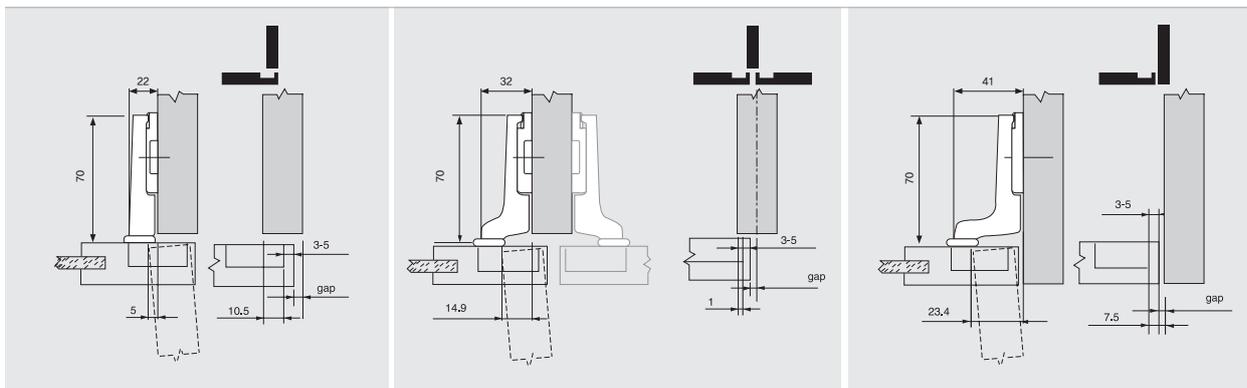
- Metal hinge
- Nickel plated
- Opening angle 94°
- Self-closing with spring
- 3-Dimensional adjustment  
(with relevant mounting plate)
- Damper integrated in the hinge body

CUP SPACING		38 / 8.0	
		Item No <b>265DSB</b>	
<b>Full Overlay</b>	Cranking 0mm		
		Item No <b>266DSB</b>	
<b>Half Overlay</b>	Cranking 10mm		
		Item No <b>267DSB</b>	
<b>Inset</b>	Cranking 18mm		

## Installation dimensions

Hinge dimensions and gap calculation based on factory setting(mounting plate spacing= 0mm)

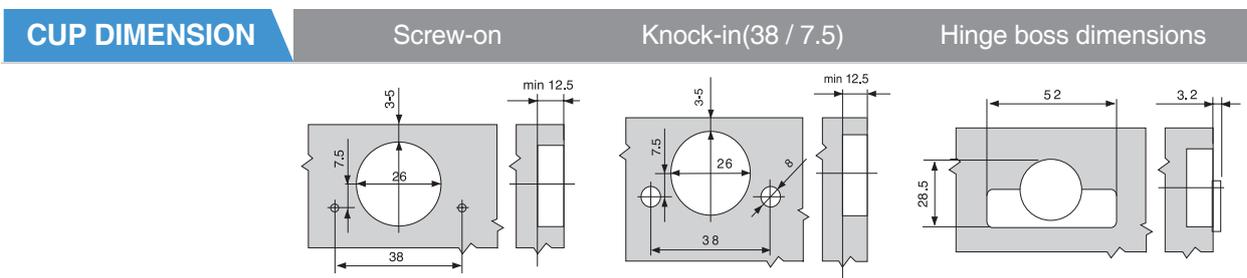
Hinge and door protrusion of full opening angle



drilling dist. : from 3mm to 5mm	1.1	2.2	3.0	3.8	5.5	A trial application is recommended	
Door thickness in mm	16	18	19	20	22		24 26 28 29 30 31 32
	1.1	1.8	2.4	3.0	4.6		

The above figures are based on doors with radiused edges (R=1mm)

Full Overlay											Half Overlay										Inset						
A											A										A						A : Door overlay B : Drilling distance H : Mounting plate height
9.5 10.5 11.5 12.5 13.5 14.5 16.5 17.5 18.5 H											1 2 3 4 5 6 7 8 9 H										-2.5 -1.5 -0.5 0.5 H						
B											B										B						
3 4 5 6											3 4 5 6										3 4 5 6 0						



## Soft-Closing Hinge(Slide on), Opening angle 110°

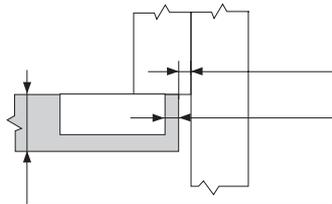
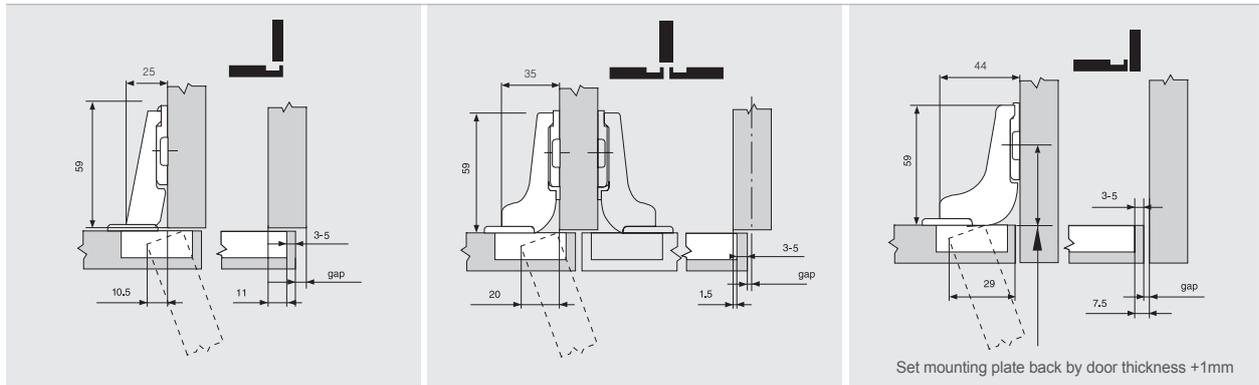


- Metal hinge
- Nickel plated
- Opening angle 110°
- Self-closing with spring(Standard type)
- 3-Dimensional adjustment  
(with relevant mounting plate)
- Damper integrated in the hinge body

CUP DIMENSION		45 / 9.5	48 / 6	52 / 5.5
CUP SPACING		45 / 9.5	48 / 6	52 / 5.5
		Item No <b>555DSB</b>	Item No <b>555DSC</b>	Item No <b>555DSH</b>
<b>Full Overlay</b> Cranking 0mm				
		Item No <b>556DSB</b>	Item No <b>556DSC</b>	Item No <b>556DSH</b>
<b>Half Overlay</b> Cranking 10mm				
		Item No <b>557DSB</b>	Item No <b>557DSC</b>	Item No <b>557DSH</b>
<b>Inset</b> Cranking 18mm				

## Installation dimensions

Hinge dimensions and gap calculation based on factory setting (mounting plate spacing = 0-9mm)  
Hinge and door protrusion of full opening angle

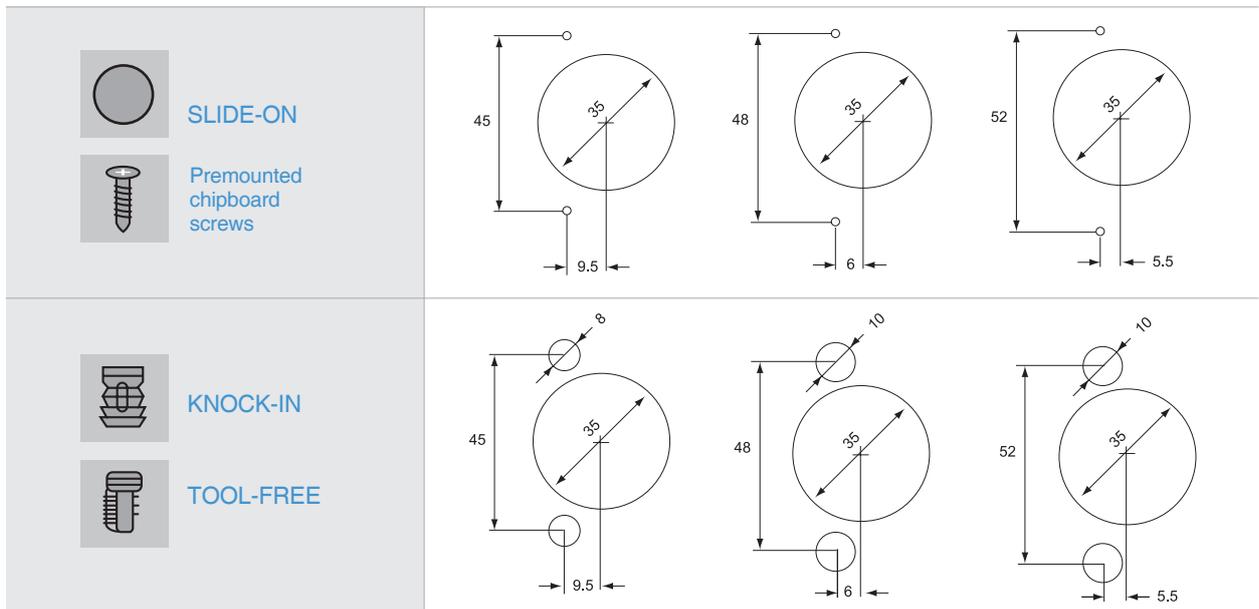


		minimum gap requirement in mm										
drilling dist. : from 3mm to 5mm	0.8	1.4	1.8	2.2	3.1	4.5	A trial application is recommended					
	0.8	1.3	1.5	1.9	2.7	3.8						
Door thickness in mm	16	18	19	20	22	24	26	28	29	30	31	32

The above figures are based on doors with radiused edges (R=1mm)

Full Overlay											Half Overlay											Inset						
<b>A</b>											<b>A</b>											<b>A</b>						A : Door overlay B : Drilling distance H : Mounting plate height
11	12	13	14	15	16	17	18	19	H		1.5	2.5	3.5	4.5	5.5	6.5	7.5	8.5	9.5	H	-2.5	-1.5	-0.5	0.5	H			
				3	4	5	6	0						3	4	5	6	0	3	4	5	6	0					
<b>B</b>											<b>B</b>											<b>B</b>						
			3	4	5	6				3				3	4	5	6				3							
3	4	5	6							5	3	4	5	6							5							

## Installation



SLIDE-ON



Premounted chipboard screws

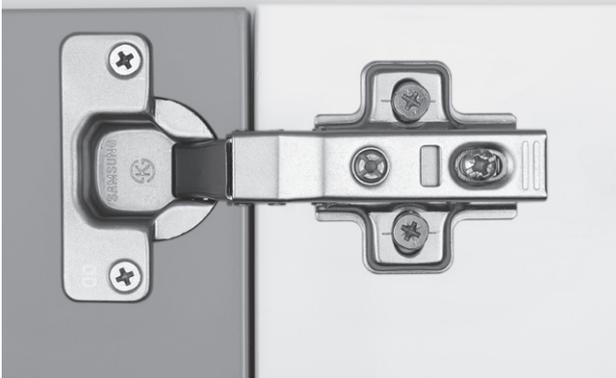


KNOCK-IN



TOOL-FREE

## Soft-Closing Hinge(Clip on), Opening angle 110°



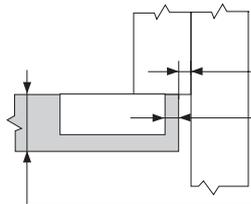
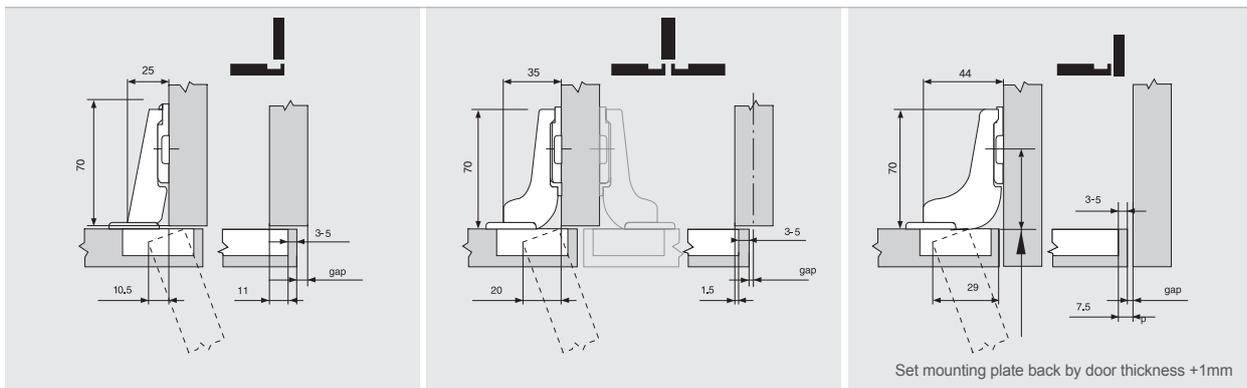
- Metal hinge
- Nickel plated
- Opening angle 110°
- Self-closing with spring(Standard type)
- 3-Dimensional adjustment  
(with relevant mounting plate)
- Damper integrated in the hinge body

CUP DIMENSION		45 / 9.5	48 / 6	52 / 5.5
CUP SPACING		45 / 9.5	48 / 6	52 / 5.5
		Item No <b>575DSB</b>	Item No <b>575DSC</b>	Item No <b>575DSH</b>
<b>Full Overlay</b> Cranking 0mm				
		Item No <b>576DSB</b>	Item No <b>576DSC</b>	Item No <b>576DSH</b>
<b>Half Overlay</b> Cranking 10mm				
		Item No <b>577DSB</b>	Item No <b>577DSC</b>	Item No <b>577DSH</b>
<b>Inset</b> Cranking 18mm				

## Installation dimensions

Hinge dimensions and gap calculation based on factory setting(mounting plate spacing= 0-9mm)

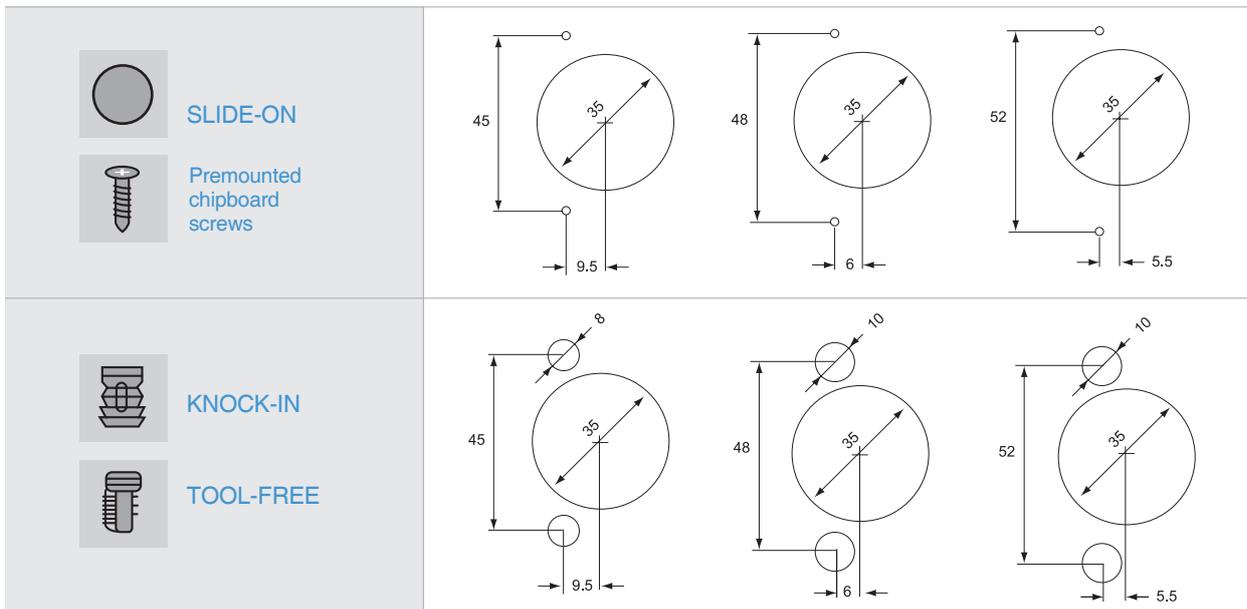
Hinge and door protrusion of full opening angle



		minimum gap requirement in mm										
drilling dist. : from 3mm to 5mm	0.8	1.4	1.8	2.2	3.1	4.5	A trial application is recommended	The above figures are based on doors with radiused edges (R=1mm)				
	0.8	1.3	1.5	1.9	2.7	3.8						
Door thickness in mm	16	18	19	20	22	24	26			28	29	30

Full Overlay											Half Overlay											Inset						
<b>A</b>											<b>A</b>											<b>A</b>						A : Door overlay B : Drilling distance H : Mounting plate height
11	12	13	14	15	16	17	18	19	H	1.5	2.5	3.5	4.5	5.5	6.5	7.5	8.5	9.5	H	-2.5	-1.5	-0.5	0.5	H				
				3	4	5	6	0					3	4	5	6	0				3	4	5	6	0			
<b>B</b>											<b>B</b>											<b>B</b>						
				3	4	5	6	3					3	4	5	6	3											
3	4	5	6					5	3	4	5	6					5											

## Installation



SLIDE-ON



Premounted chipboard screws

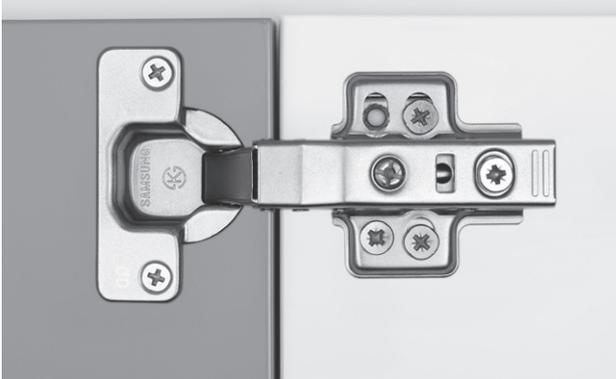


KNOCK-IN



TOOL-FREE

## Soft-Closing Hinge(Clip on with Cam), 110° opening Angle

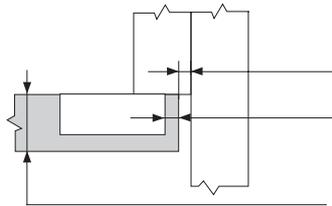
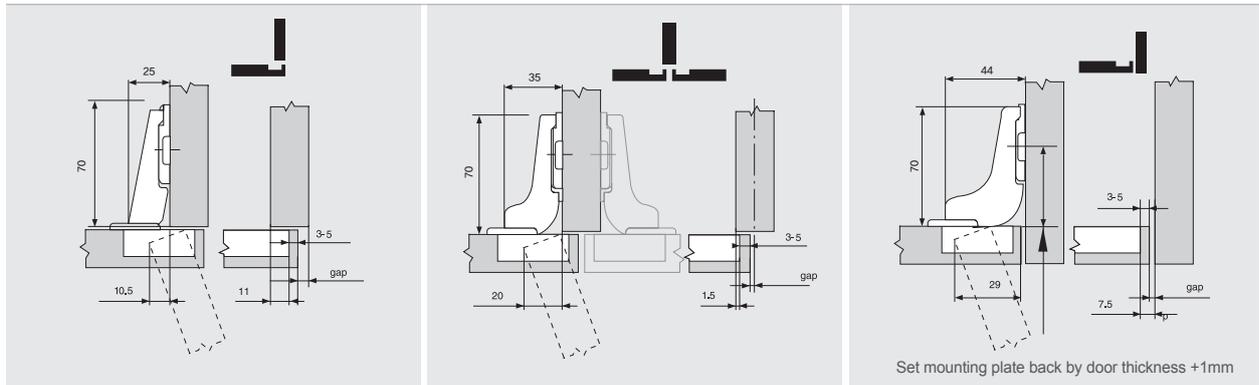


- Metal hinge
- Nickel plated
- Opening angle 110°
- Self-closing with spring(Standard type)
- 3-Dimensional adjustment  
(with relevant mounting plate)
- Suitable for cam mounting plates
- Damper integrated in the hinge body

CUP DIMENSION		45 / 9.5	48 / 6	52 / 5.5
CUP SPACING		45 / 9.5	48 / 6	52 / 5.5
		Item No <b>775DSB</b>	Item No <b>775DSC</b>	Item No <b>775DSH</b>
<b>Full Overlay</b> Cranking 0mm				
		Item No <b>776DSB</b>	Item No <b>776DSC</b>	Item No <b>776DSH</b>
<b>Half Overlay</b> Cranking 10mm				
		Item No <b>777DSB</b>	Item No <b>777DSC</b>	Item No <b>777DSH</b>
<b>Inset</b> Cranking 18mm				

## Installation dimensions

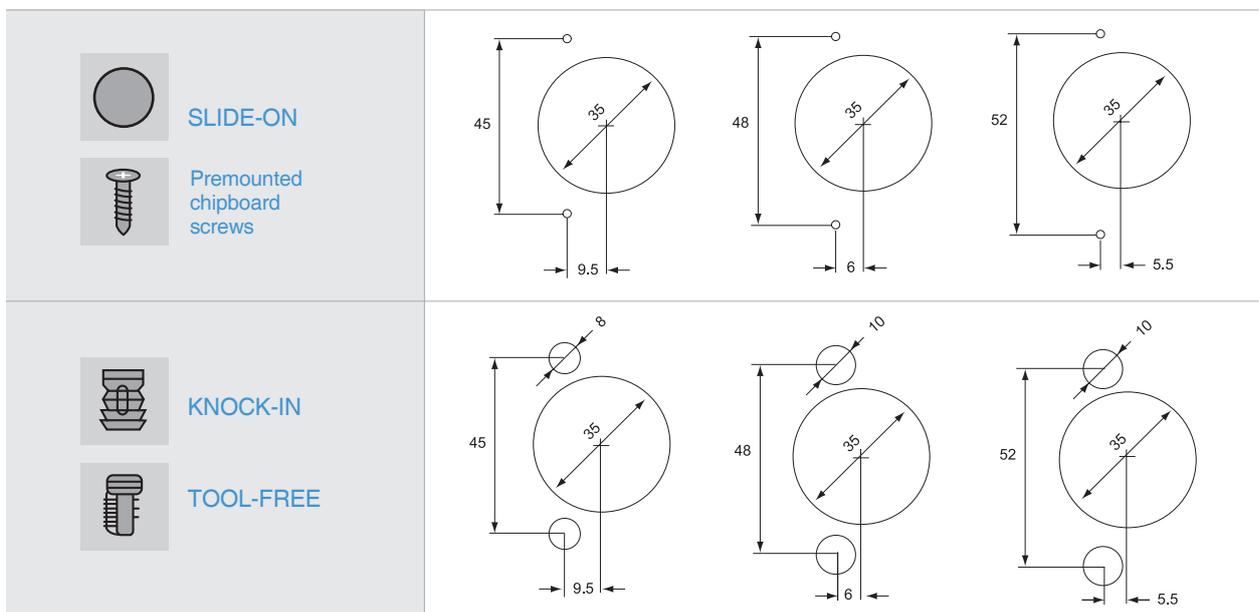
Hinge dimensions and gap calculation based on factory setting (mounting plate spacing = 0-9mm)  
Hinge and door protrusion of full opening angle



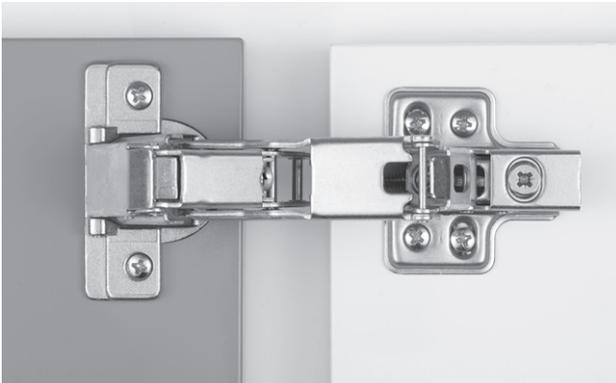
		minimum gap requirement in mm										
drilling dist. : from 3mm to 5mm	0.8	1.4	1.8	2.2	3.1	4.5	A trial application is recommended	The above figures are based on doors with radiused edges (R=1mm)				
	0.8	1.3	1.5	1.9	2.7	3.8						
Door thickness in mm	16	18	19	20	22	24	26			28	29	30

Full Overlay											Half Overlay											Inset						
<b>A</b>											<b>A</b>											<b>A</b>						<b>A</b> : Door overlay <b>B</b> : Drilling distance <b>H</b> : Mounting plate height
11	12	13	14	15	16	17	18	19	H	1.5	2.5	3.5	4.5	5.5	6.5	7.5	8.5	9.5	H	-2.5	-1.5	-0.5	0.5	H				
				3	4	5	6	0					3	4	5	6	0				3	4	5	6	0			
<b>B</b>											<b>B</b>											<b>B</b>						
				3	4	5	6	3					3	4	5	6	3											
3	4	5	6						5	3	4	5	6						5									

## Installation



## Soft-Closing Hinge(Clip on), Opening angle 165°

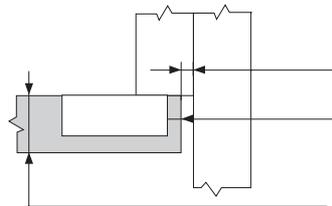
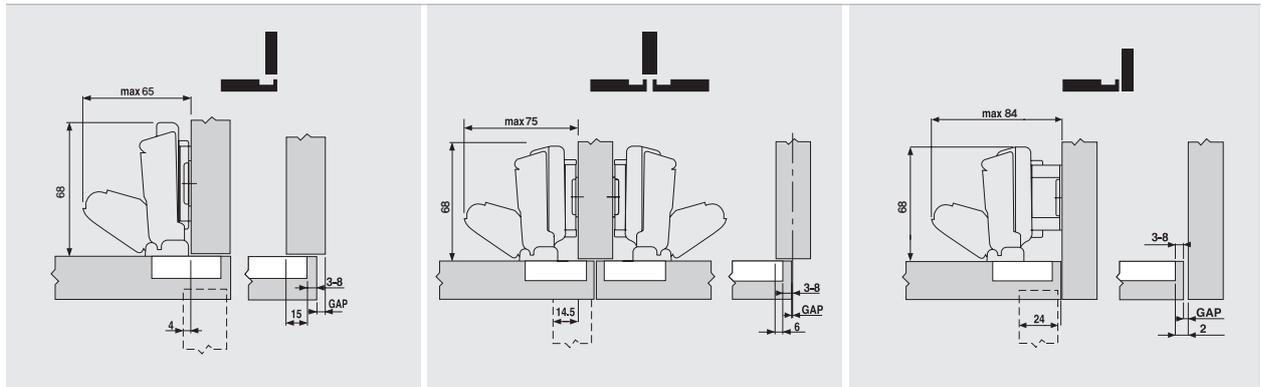


- Metal hinge
- Nickel plated
- Opening angle 165°
- Self-closing with spring(Standard type)
- 3-Dimensional adjustment  
(with relevant mounting plate)
- Damper integrated in the hinge body

CUP DIMENSION		45 / 9.5	48 / 6	52 / 5.5
CUP SPACING		45 / 9.5	48 / 6	52 / 5.5
		Item No <b>855DSB</b>	Item No <b>855DSC</b>	Item No <b>855DSH</b>
<b>Full Overlay</b> Cranking 0mm				
		Item No <b>856DSB</b>	Item No <b>856DSC</b>	Item No <b>856DSH</b>
<b>Half Overlay</b> Cranking 10mm				
		Item No <b>857DSB</b>	Item No <b>857DSC</b>	Item No <b>857DSH</b>
<b>Inset</b> Cranking 18mm				

## Installation dimensions

Hinge dimensions and gap calculation based on factory setting (mounting plate spacing= 0-9mm)  
Hinge and door protrusion of full opening angle



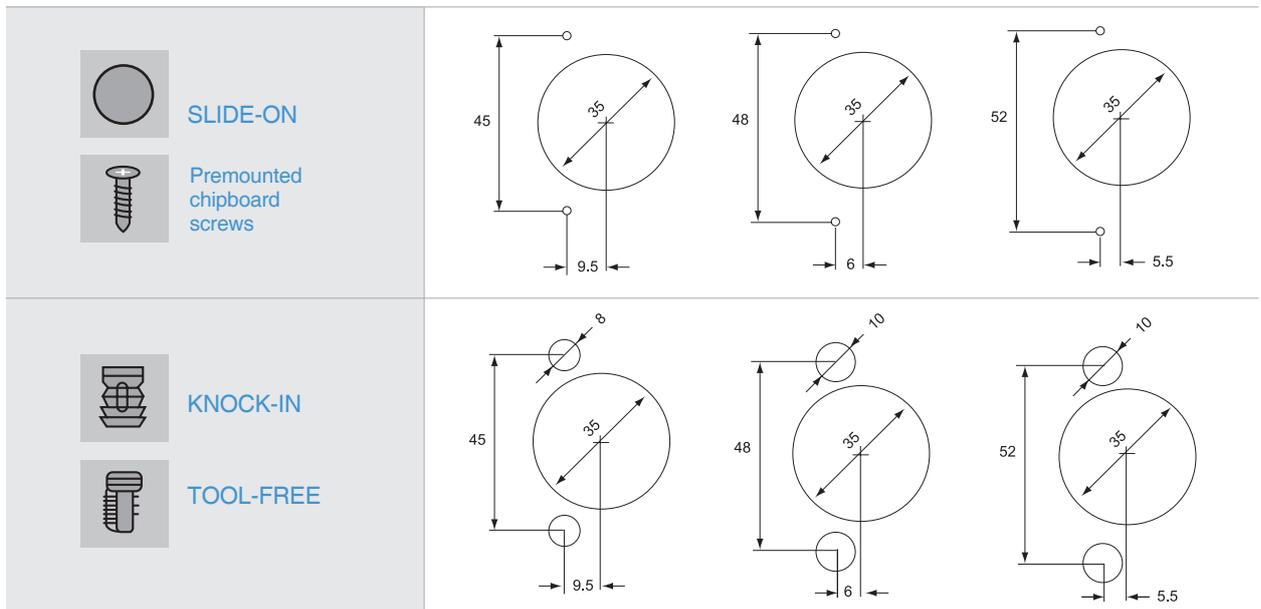
minimum gap requirement in mm

drilling dist. : from 3mm	0	0	0	0	0.9	2.7	4.6	6.5
to 5mm	0	0	0	0	0.1	0.9	2.2	3.6
Door thickness in mm	16	18	19	20	22	24	26	28

The above figures are based on doors with radiused edges (R=1mm)

Full Overlay											Half Overlay											Inset						
<b>A</b>											<b>A</b>											<b>A</b>						A : Door overlay B : Drilling distance H : Mounting plate height
13	14	15	16	17	18	19	20	21	H	4	5	6	7	8	9	10	11	12	H	-2	-1	0	1	H				
					3	4	5	6	0						3	4	5	6	0				3	4	5	6	0	
<b>B</b>											<b>B</b>											<b>B</b>						
			3	4	5	6							3	4	5	6												
3	4	5	6								5	3	4	5	6						5							

## Installation



## Clip on hinge for aluminium profiles, Opening angle 110°



- Metal hinge
- Nickel plated
- Opening angle 110°
- Self-closing with spring(Standard type)
- 3-Dimensional adjustment  
(with relevant mounting plate)
- Damper integrated in the hinge body

### CUP DIMENSION



Item No  
**A575D**

**Full Overlay** Cranking 0mm



Item No  
**A576D**

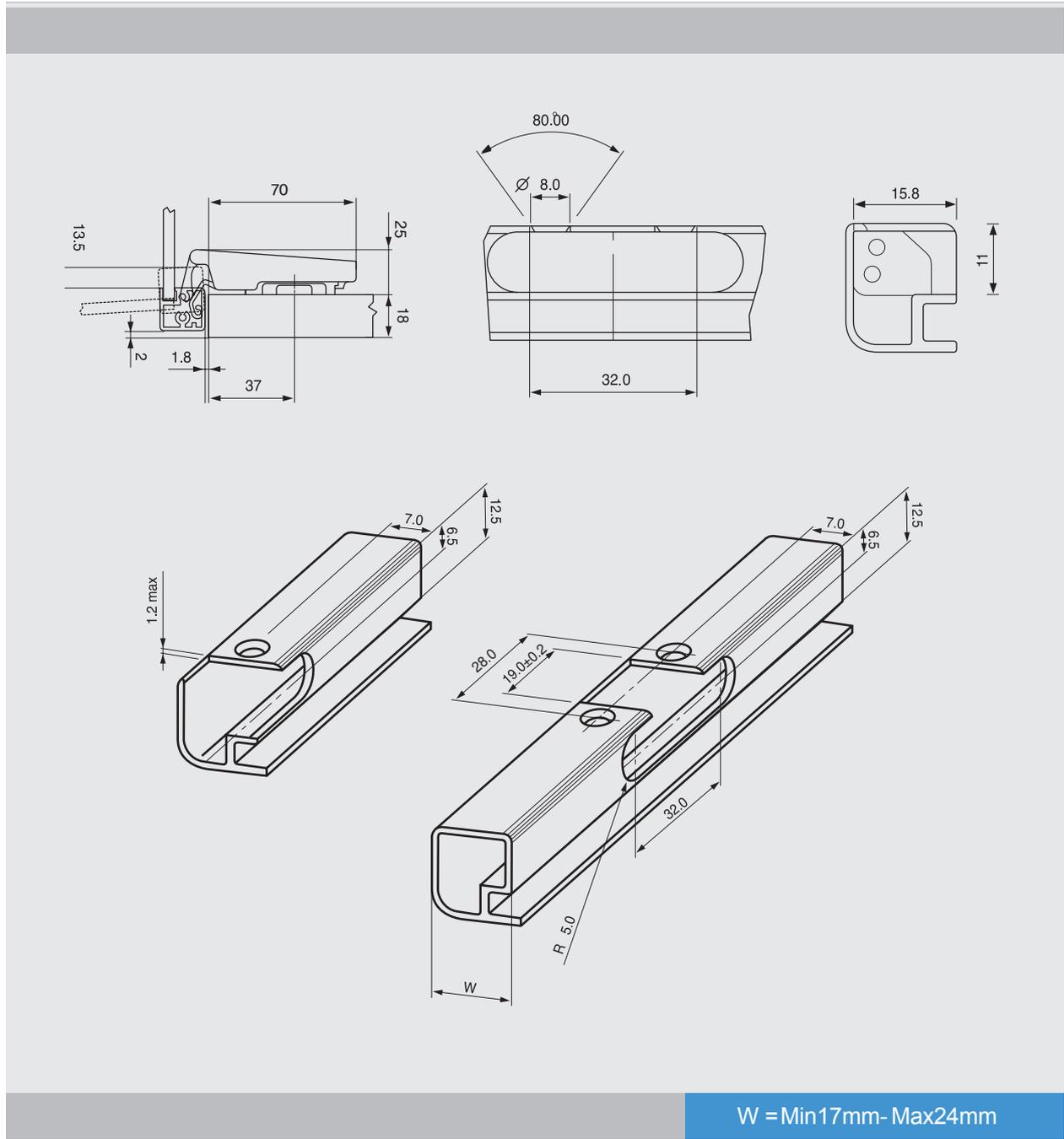
**Half Overlay** Cranking 10mm



Item No  
**A577D**

**Inset** Cranking 18mm

## Installation dimensions



## Clip on hinge for aluminium profiles, Opening angle 110°



- Metal hinge
- Nickel plated
- Opening angle 110°
- Self-closing with spring(Standard type)
- 3-Dimensional adjustment  
(with relevant mounting plate)
- Damper integrated in the hinge body

### CUP SPACING



Item No  
A555D

**Full Overlay** Cranking 0mm



Item No  
A556D

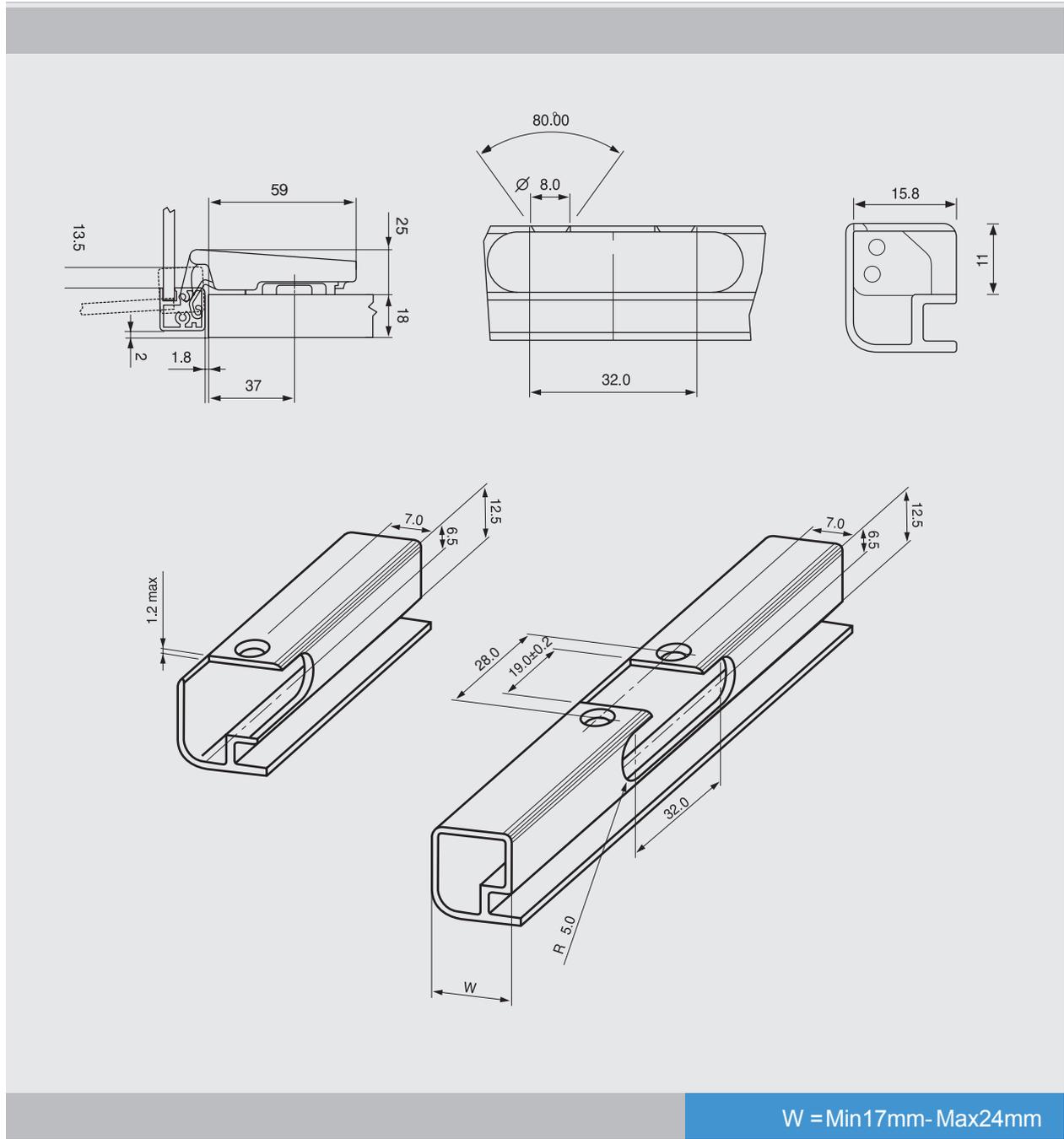
**Half Overlay** Cranking 10mm



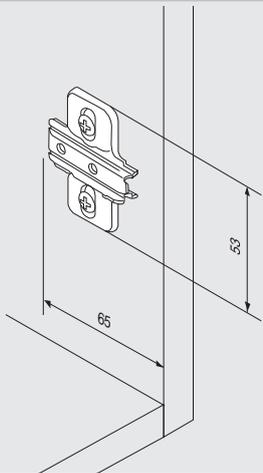
Item No  
A557D

**Inset** Cranking 18mm

## Installation dimensions



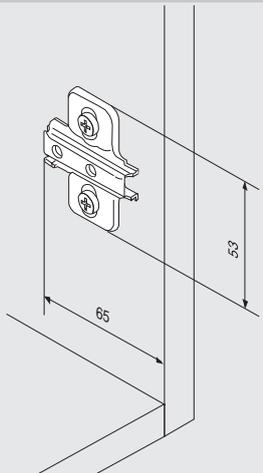
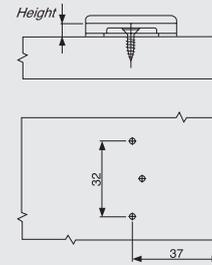
## Mounting Plate for Soft-Closing Hinge(Clip on type)



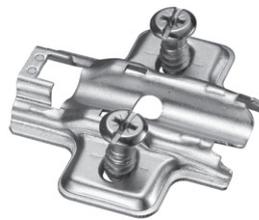
- Material : steel
- Nickel plated
- Fixing with 3.5mm chipboard screws
- with height adjustment  $\pm 2$ mm



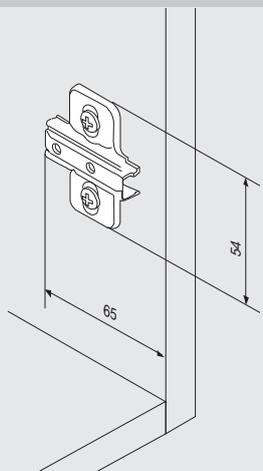
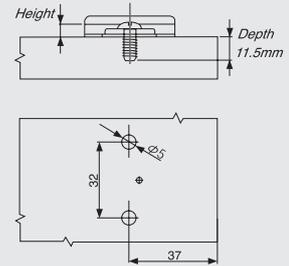
Spacing	Height	Item No.
0mm	5mm	0SC
3mm	7mm	3SC
5mm	9mm	5SC



- Material : steel
- Nickel plated
- Fixing with pre-mounted system screws  $\phi 6$ mm
- With height adjustment  $\pm 2$ mm



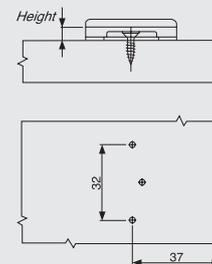
Spacing	Height	Item No.
0mm	5mm	0SCE
3mm	7mm	3SCE
5mm	9mm	5SCE



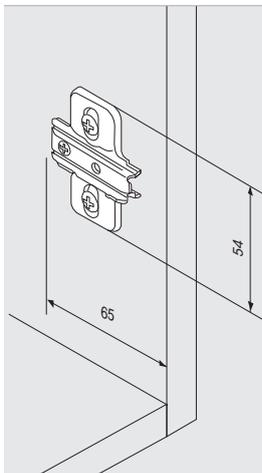
- Material : steel
- Nickel plated
- Fixing with 3.5mm chipboard screws
- with height adjustment  $\pm 2$ mm



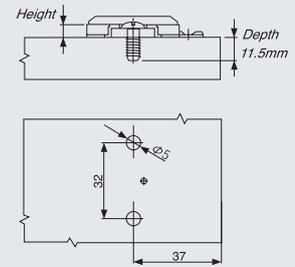
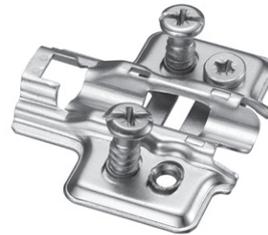
Spacing	Height	Item No.
0mm	5mm	0SD
3mm	7mm	3SD



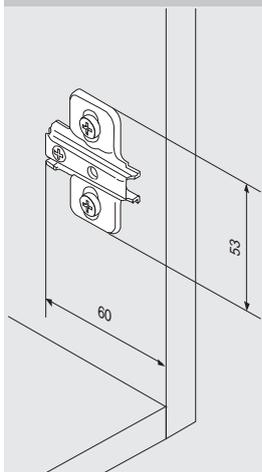
## Mounting Plate for Soft-Closing Hinge(Clip on type)



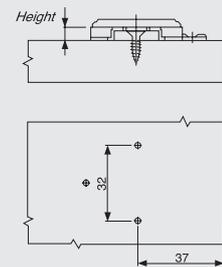
- Material : steel
- Nickel plated
- Fixing with pre-mounted system screws  $\phi 6\text{mm}$
- With height adjustment  $\pm 2\text{mm}$



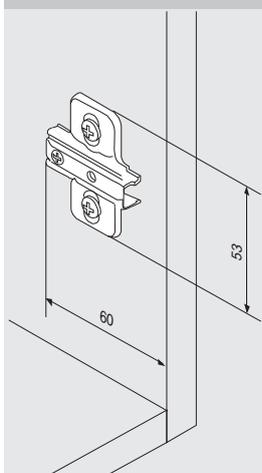
Spacing	Height	Item No.
0mm	5mm	0SDE
3mm	7mm	3SDE



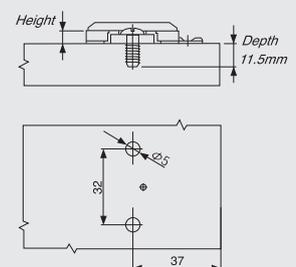
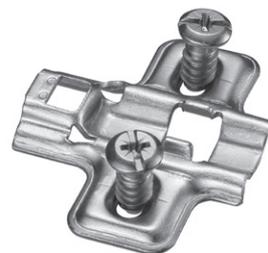
- Material : steel
- Nickel plated
- Fixing with 3.5mm chipboard screws
- with height adjustment  $\pm 2\text{mm}$
- Application item code : 265, 855



Spacing	Height	Item No.
0mm	5mm	0SC
3mm	7mm	3SC
5mm	9mm	5SC

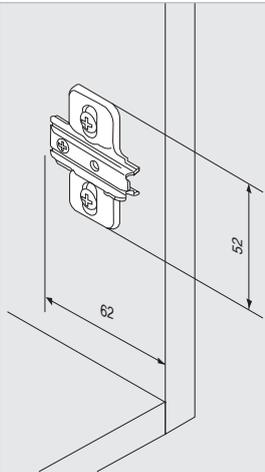


- Material : steel
- Nickel plated
- Fixing with pre-mounted system screws  $\phi 6\text{mm}$
- With height adjustment  $\pm 2\text{mm}$
- Application item code : 265, 855



Spacing	Height	Item No.
0mm	5mm	0SCE
3mm	7mm	3SCE
5mm	9mm	5SCE

## Mounting Plate for Soft-Closing Hinge(Slide on type)



- Material : steel
- Nickel plated
- Fixing with 3.5mm chipboard screws
- with height adjustment  $\pm 2\text{mm}$

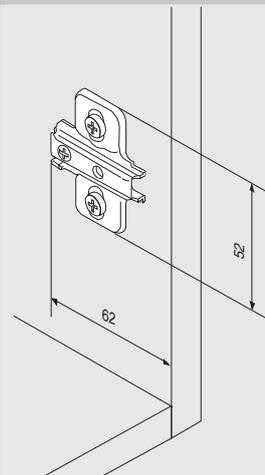
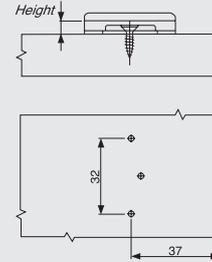


Spacing	Height	Item No.
---------	--------	----------

0mm	5mm	0SA
-----	-----	-----

3mm	7mm	3SA
-----	-----	-----

5mm	9mm	5SA
-----	-----	-----



- Material : steel
- Nickel plated
- Fixing with pre-mounted system screws  $\phi 6\text{mm}$
- With height adjustment  $\pm 2\text{mm}$

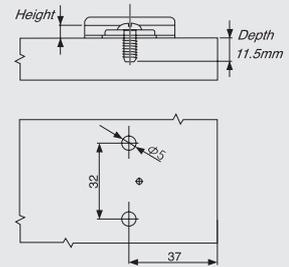


Spacing	Height	Item No.
---------	--------	----------

0mm	5mm	0SAE
-----	-----	------

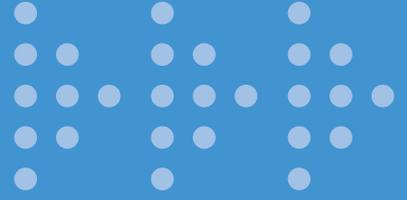
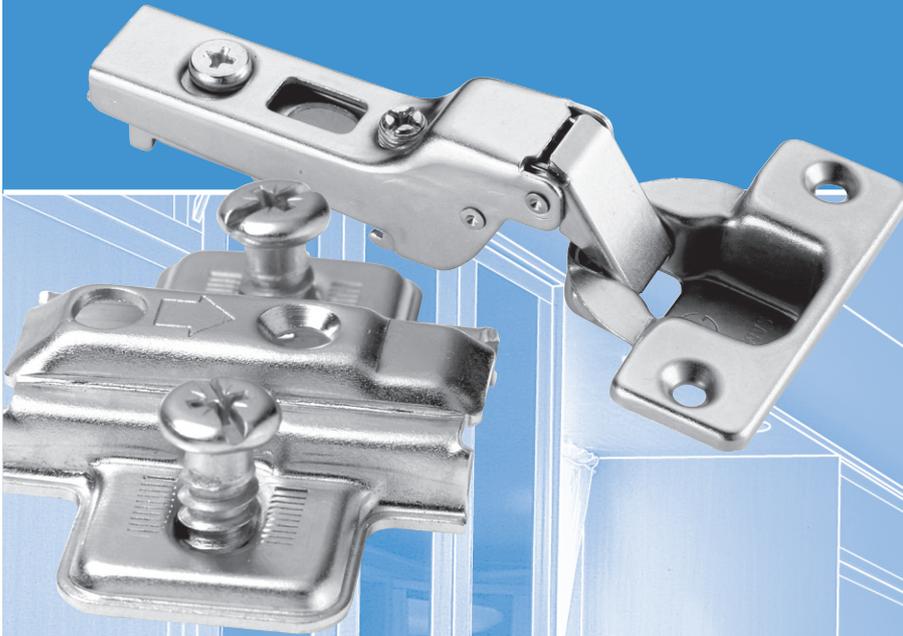
3mm	7mm	3SAE
-----	-----	------

5mm	9mm	5SAE
-----	-----	------



MEMO

CLIP ON SYSTEM



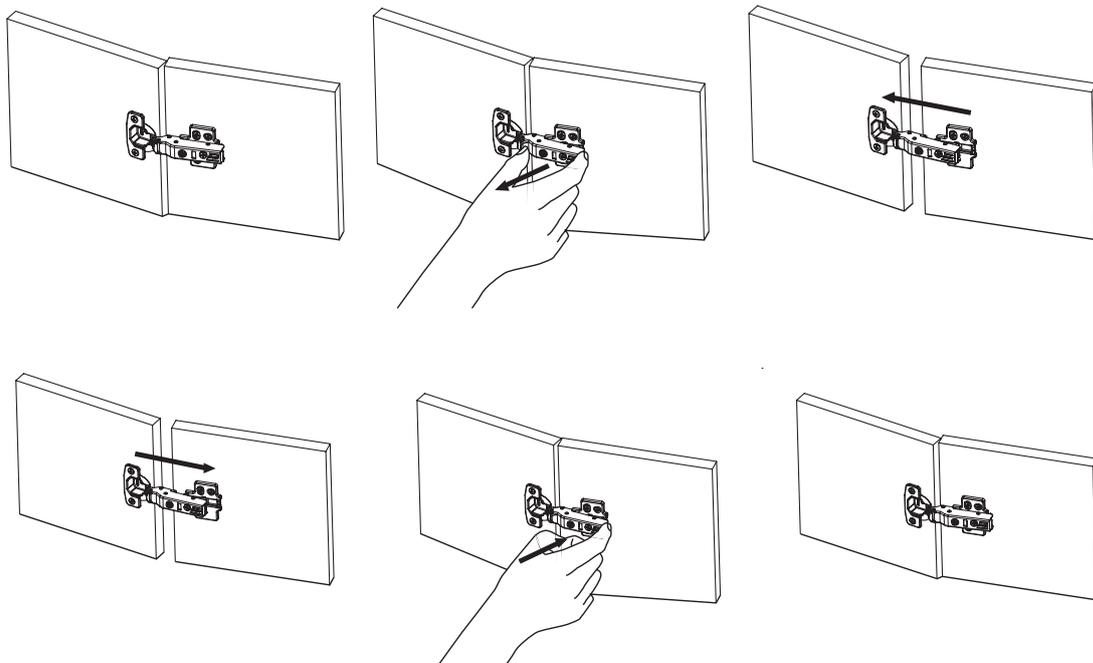
Function and design for perfect motif  
We implement the best quality and  
services to satisfy the customer needs.

# Clip on system

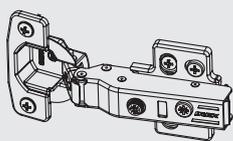
Door is assembled on the cabinet side easily by sticking the two hooks under the hinge body on the outer part of the mounting plate and pressing smoothly on the rear part of the hinge body.

For disassembly, the button on the rear of the hinge body has to be pressed.

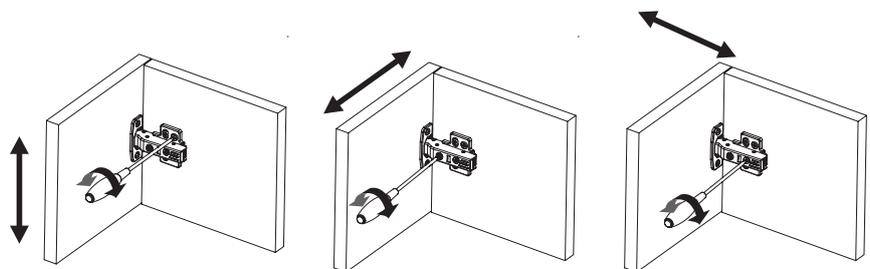
## The range with push-fit mounting method



### Push-fit mounting diagram



### Adjustment facilities



**Vertical**  
via slots in the mounting plate

**Lateral**  
by screw adjustment

**Depth**  
by slackening the hinge arm mounting screw

## CLIP ON hinge with Cam, 110° opening Angle

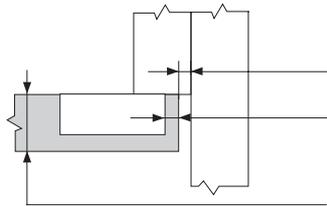
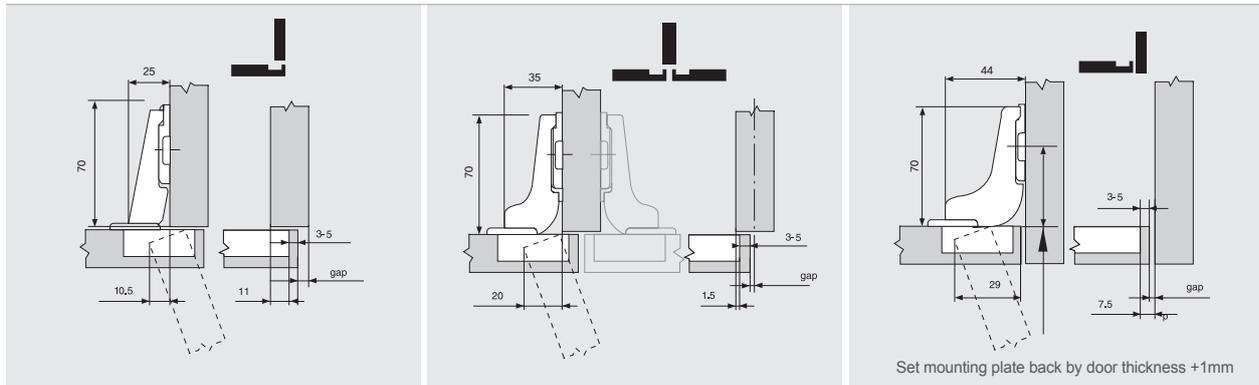


- Material : steel
- Nickel plated
- Opening angle 110°
- Self-closing with spring(Standard type)
- 3-Dimensional adjustment  
(with relevant mounting plate)
- Suitable for cam mounting plates

CUP DIMENSION		45 / 9.5	48 / 6	52 / 5.5
CUP SPACING		45 / 9.5	48 / 6	52 / 5.5
		Item No <b>770SB</b>	Item No <b>770SC</b>	Item No <b>770SH</b>
<b>Full Overlay</b> Cranking 0mm				
		Item No <b>780SB</b>	Item No <b>780SC</b>	Item No <b>780SH</b>
<b>Half Overlay</b> Cranking 10mm				
		Item No <b>788SB</b>	Item No <b>788SC</b>	Item No <b>788SH</b>
<b>Inset</b> Cranking 18mm				

## Installation dimensions

Hinge dimensions and gap calculation based on factory setting (mounting plate spacing = 0-9mm)  
Hinge and door protrusion of full opening angle

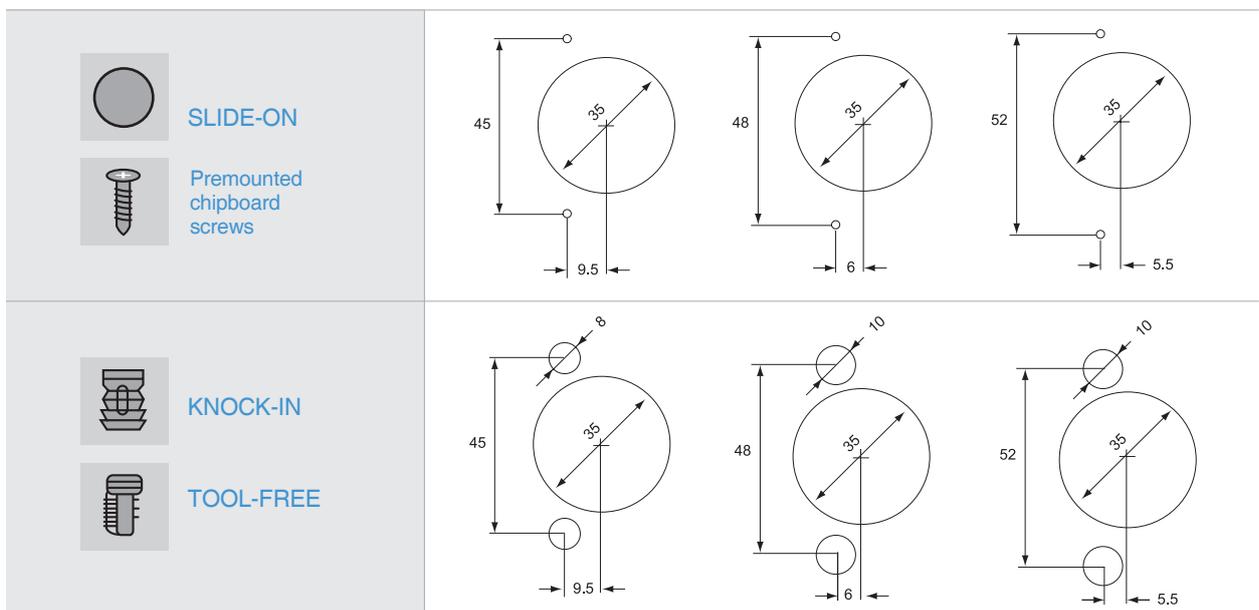


		minimum gap requirement in mm										
drilling dist. : from 3mm to 5mm	0.8	1.4	1.8	2.2	3.1	4.5	A trial application is recommended					
	0.8	1.3	1.5	1.9	2.7	3.8						
Door thickness in mm	16	18	19	20	22	24	26	28	29	30	31	32

The above figures are based on doors with radiused edges (R=1mm)

Full Overlay											Half Overlay											Inset						
<b>A</b>											<b>A</b>											<b>A</b>						A : Door overlay B : Drilling distance H : Mounting plate height
11	12	13	14	15	16	17	18	19	H	1.5	2.5	3.5	4.5	5.5	6.5	7.5	8.5	9.5	H	-2.5	-1.5	-0.5	0.5	H				
				3	4	5	6	0					3	4	5	6	0				3	4	5	6	0			
<b>B</b>											<b>B</b>											<b>B</b>						
				3	4	5	6	3					3	4	5	6	3											
3	4	5	6					5	3	4	5	6					5											

## Installation



## Clip on hinge, Opening angle 110°

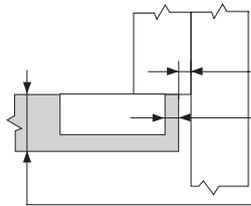
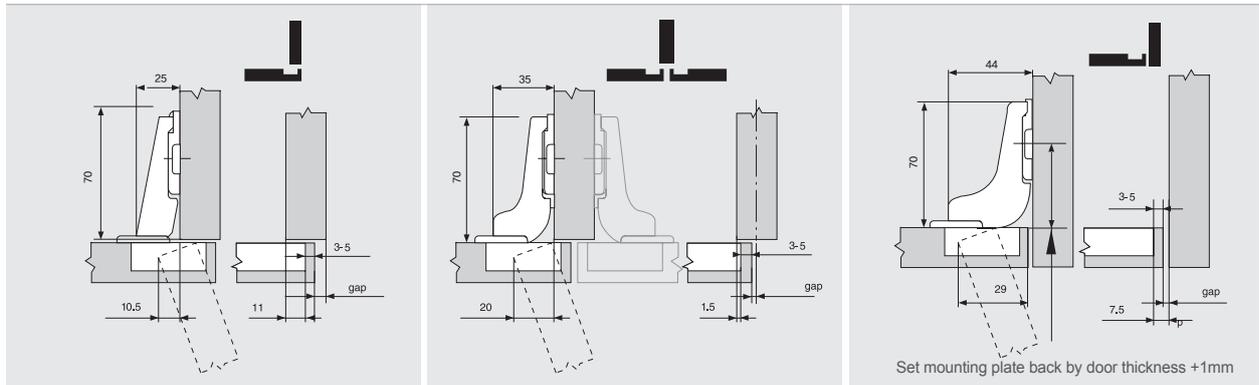


- Material : steel
- Nickel plated
- Opening angle 110°
- Self-closing with spring(Standard type)
- 3-Dimensional adjustment  
(with relevant mounting plate)

CUP DIMENSION		45 / 9.5	48 / 6	52 / 5.5
CUP SPACING		45 / 9.5	48 / 6	52 / 5.5
		Item No <b>570SB</b>	Item No <b>570SC</b>	Item No <b>570SH</b>
<b>Full Overlay</b> Cranking 0mm				
		Item No <b>580SB</b>	Item No <b>580SC</b>	Item No <b>580SH</b>
<b>Half Overlay</b> Cranking 10mm				
		Item No <b>588SB</b>	Item No <b>588SC</b>	Item No <b>588SH</b>
<b>Inset</b> Cranking 18mm				

## Installation dimensions

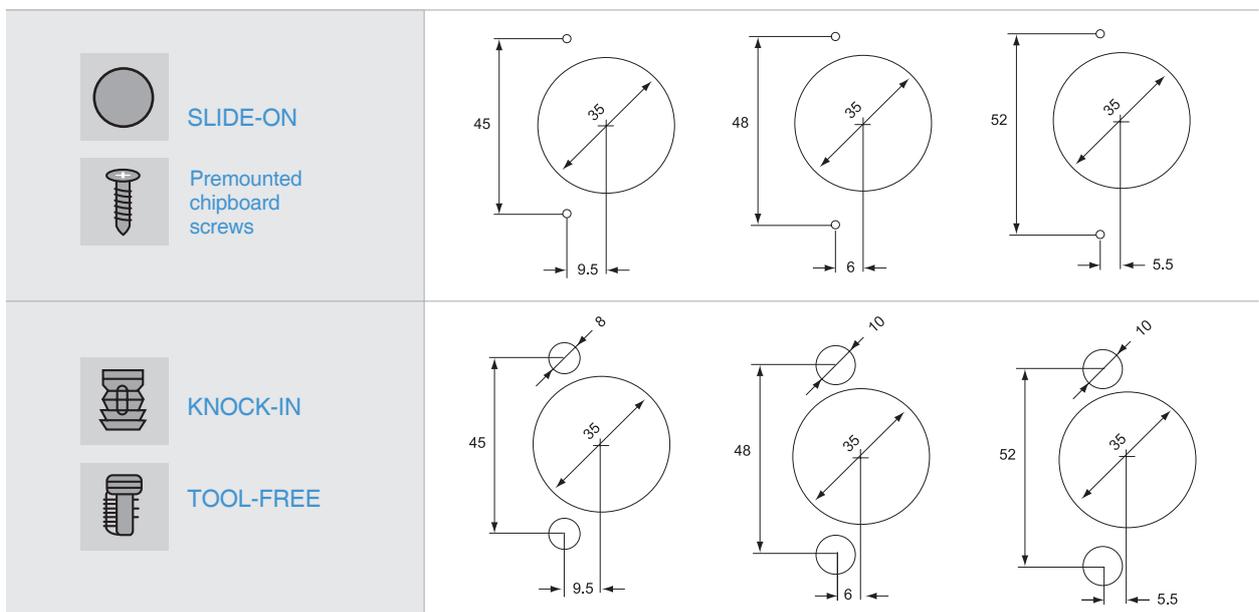
Hinge dimensions and gap calculation based on factory setting (mounting plate spacing = 0-9mm)  
Hinge and door protrusion of full opening angle



		minimum gap requirement in mm										
drilling dist. : from 3mm to 5mm	0.8	1.4	1.8	2.2	3.1	4.5	A trial application is recommended	The above figures are based on doors with radiused edges (R=1mm)				
	0.8	1.3	1.5	1.9	2.7	3.8						
Door thickness in mm	16	18	19	20	22	24	26			28	29	30

Full Overlay												Half Overlay										Inset						
<b>A</b>												<b>A</b>										<b>A</b>						A : Door overlay B : Drilling distance H : Mounting plate height
11	12	13	14	15	16	17	18	19	H	1.5	2.5	3.5	4.5	5.5	6.5	7.5	8.5	9.5	H	-2.5	-1.5	-0.5	0.5	H				
				3	4	5	6	0					3	4	5	6	0					3	4	5	6	0		
<b>B</b>												<b>B</b>										<b>B</b>						
3	4	5	6					3	3	4	5	6					3											
5												5										5						

## Installation



## Clip on hinge, Opening angle 85°

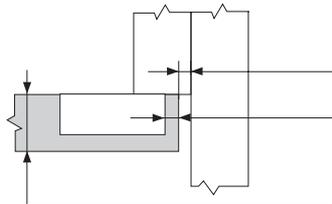
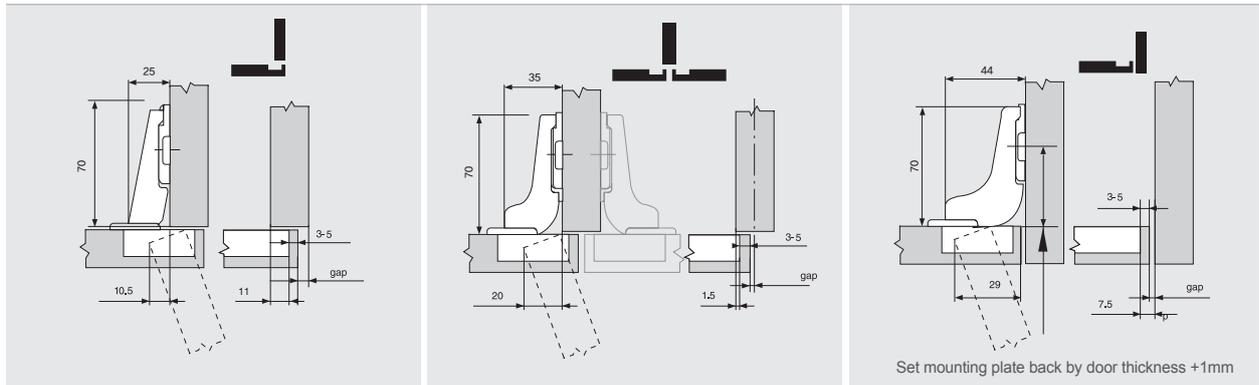


- Metal hinge
- Nickel plated
- Opening angle 85°
- Self-closing with spring(Standard type)
- 3-Dimensional adjustment  
(with relevant mounting plate)

CUP DIMENSION		45 / 9.5	48 / 6	52 / 5.5
CUP SPACING		45 / 9.5	48 / 6	52 / 5.5
		Item No <b>571SB</b>	Item No <b>571SC</b>	Item No <b>571SH</b>
<b>Full Overlay</b> Cranking 0mm				
		Item No <b>581SB</b>	Item No <b>581SB</b>	Item No <b>581SB</b>
<b>Half Overlay</b> Cranking 10mm				
		Item No <b>589SB</b>	Item No <b>589SB</b>	Item No <b>589SB</b>
<b>Inset</b> Cranking 18mm				

## Installation dimensions

Hinge dimensions and gap calculation based on factory setting (mounting plate spacing = 0-9mm)  
Hinge and door protrusion of full opening angle

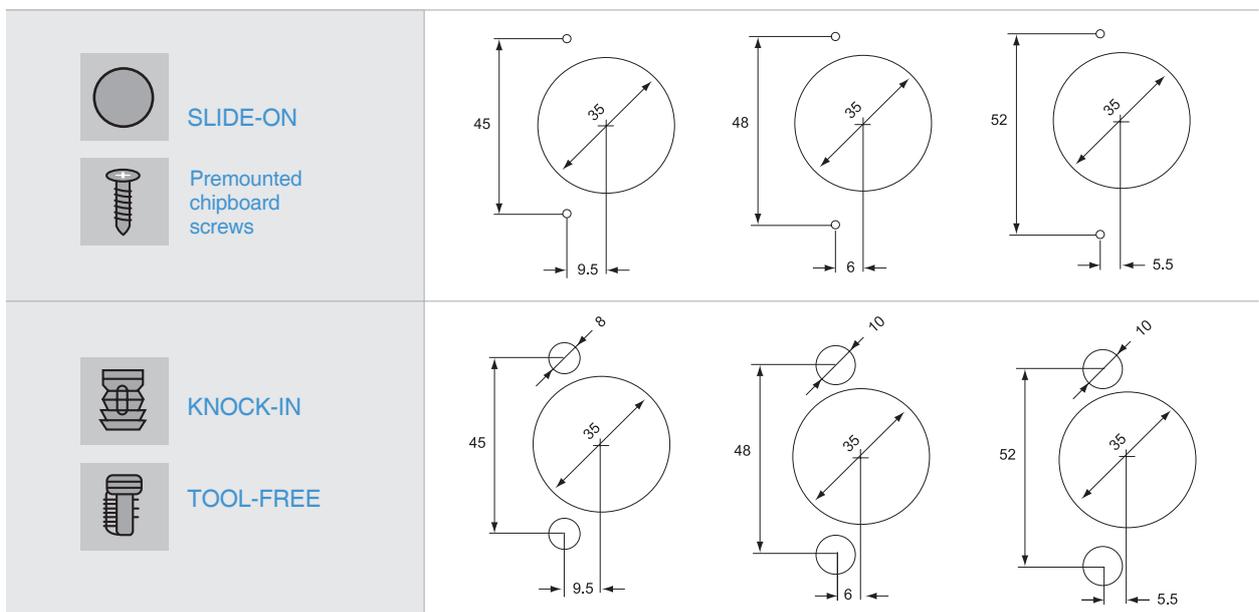


		minimum gap requirement in mm										
drilling dist. : from 3mm to 5mm	0.8	1.4	1.8	2.2	3.1	4.5	A trial application is recommended					
	0.8	1.3	1.5	1.9	2.7	3.8						
Door thickness in mm	16	18	19	20	22	24	26	28	29	30	31	32

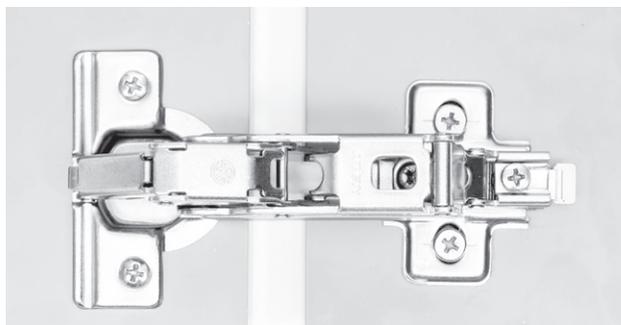
The above figures are based on doors with radiused edges (R=1mm)

Full Overlay											Half Overlay											Inset						
<b>A</b>											<b>A</b>											<b>A</b>						<b>A</b> : Door overlay <b>B</b> : Drilling distance <b>H</b> : Mounting plate height
11	12	13	14	15	16	17	18	19	H	1.5	2.5	3.5	4.5	5.5	6.5	7.5	8.5	9.5	H	-2.5	-1.5	-0.5	0.5	H				
				3	4	5	6	0					3	4	5	6	0				3	4	5	6	0			
<b>B</b>											<b>B</b>											<b>B</b>						
3	4	5	6					3	3	4	5	6					3											
5											5											5						

## Installation



## Clip on hinge, Opening angle 135°



- Metal hinge with steel boss
- Nickel plated
- Opening angle 135°
- Self-closing with spring(Standard type)
- 3-Dimensional adjustment (with relevant mounting plate)

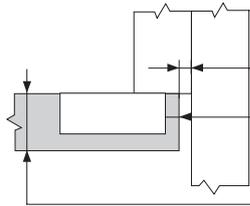
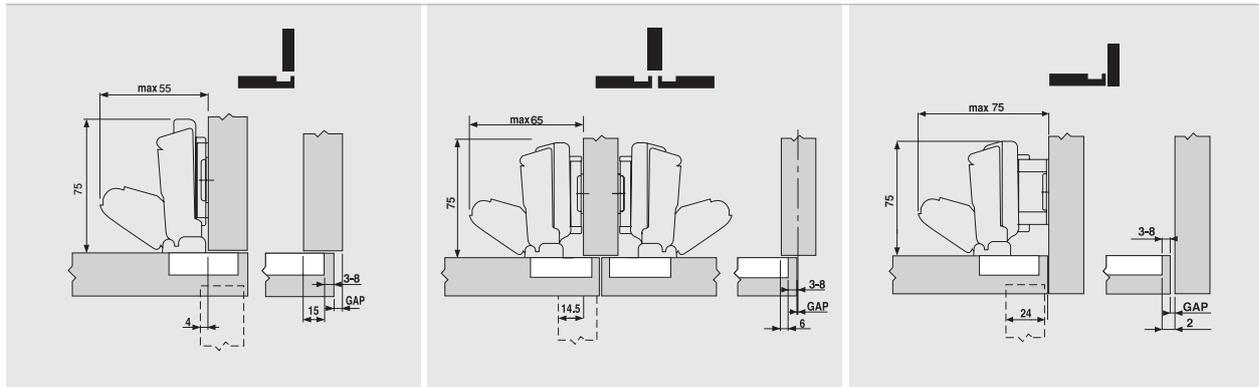
CUP DIMENSION	45 / 9.5	48 / 6	52 / 5.5

CUP SPACING	45 / 9.5	48 / 6	52 / 5.5
	Item No <b>970SB</b>	Item No <b>970SC</b>	Item No <b>970SH</b>

Full Overlay Cranking 0mm	45 / 9.5	48 / 6	52 / 5.5
	Item No <b>980SB</b>	Item No <b>980SC</b>	Item No <b>980SH</b>
Half Overlay Cranking 10mm			

## Installation dimensions

Hinge dimensions and gap calculation based on factory setting (mounting plate spacing = 0-9mm)  
Hinge and door protrusion of full opening angle

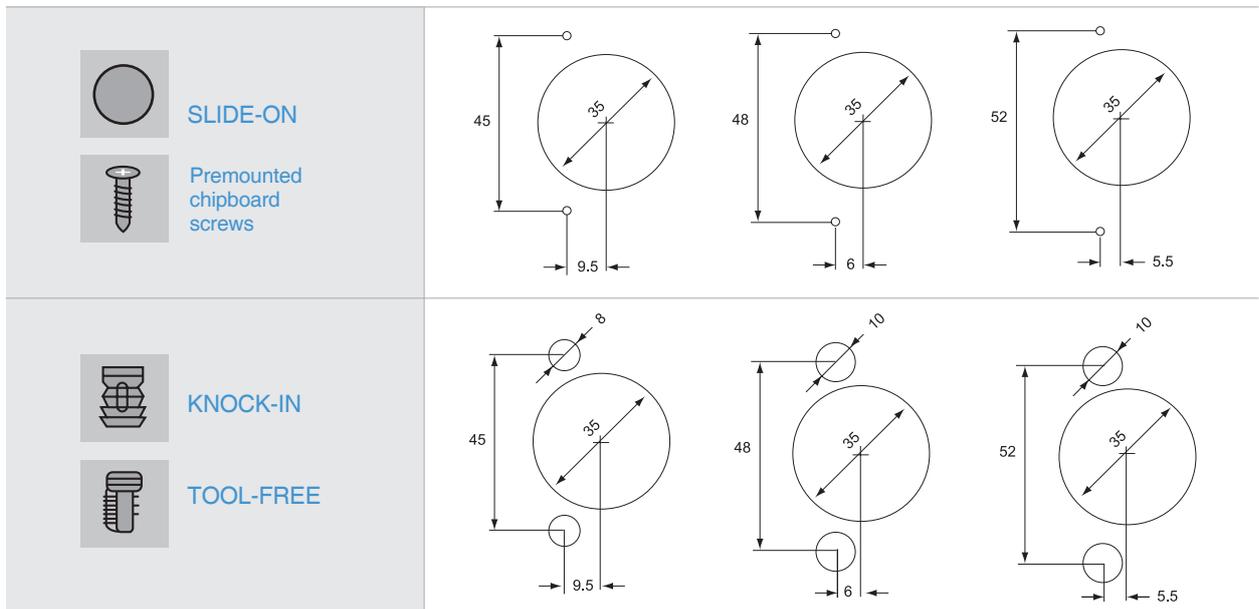


	minimum gap requirement in mm								
drilling dist. : from	3mm	0	0	0	0	0.9	2.7	4.6	6.5
	to 5mm	0	0	0	0	0.1	0.9	2.2	3.6
Door thickness in mm	16	18	19	20	22	24	26	28	

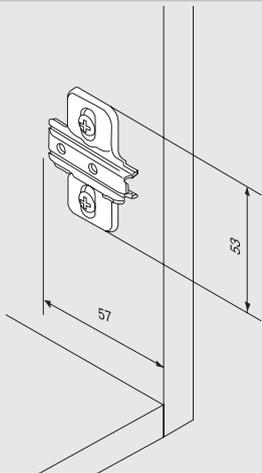
The above figures are based on doors with radiused edges (R=1mm)

Full Overlay											Half Overlay											Inset						
<b>A</b>											<b>A</b>											<b>A</b>						A : Door overlay B : Drilling distance H : Mounting plate height
13	14	15	16	17	18	19	20	21	H		4	5	6	7	8	9	10	11	12	H	-2	-1	0	1	H			
					3	4	5	6	0							3	4	5	6	0	3	4	5	6	0			
<b>B</b>											<b>B</b>											<b>B</b>						
3	4	5	6						3		3	4	5	6						3								
3	4	5	6						5		3	4	5	6						5								

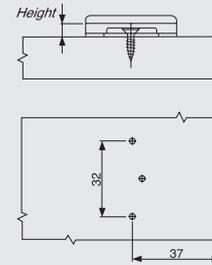
## Installation



## Mounting Plate for Clip On type



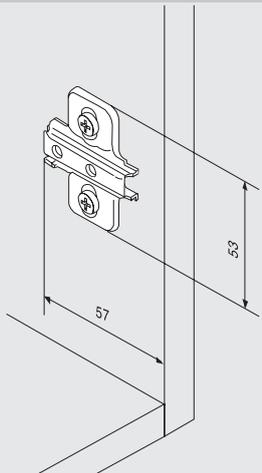
- Material : steel
- Nickel plated
- Fixing with 3.5mm chipboard screws
- with height adjustment  $\pm 2\text{mm}$



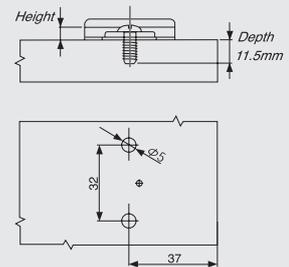
Spacing	Height	Item No.
---------	--------	----------

0mm	5.5mm	0SC
-----	-------	-----

3mm	8.5mm	3SC
-----	-------	-----



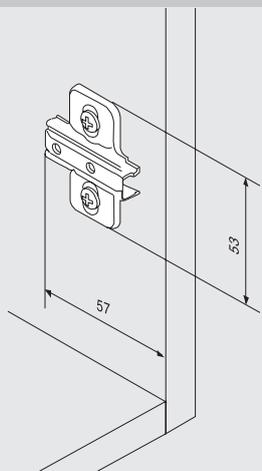
- Material : steel
- Nickel plated
- Fixing with pre-mounted system screws  $\phi 6\text{mm}$
- With height adjustment  $\pm 2\text{mm}$



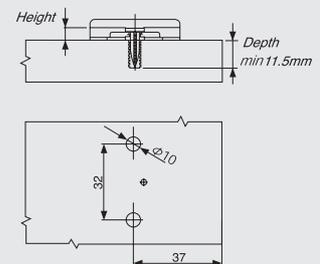
Spacing	Height	Item No.
---------	--------	----------

0mm	5.5mm	0SCE
-----	-------	------

3mm	8.5mm	3SCE
-----	-------	------



- Material : steel
- Nickel plated
- Knock-in assembly with premounted 10mm dowels
- With height adjustment  $\pm 2\text{mm}$

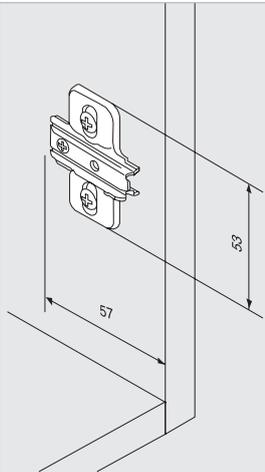


Spacing	Height	Item No.
---------	--------	----------

0mm	5.5mm	0SCK
-----	-------	------

3mm	8.5mm	3SCK
-----	-------	------

## Mounting Plate for Clip On type



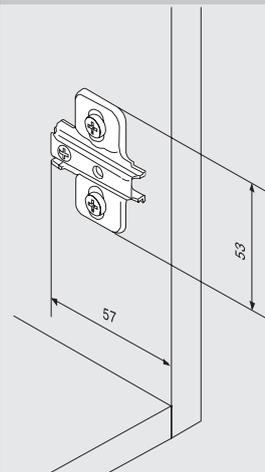
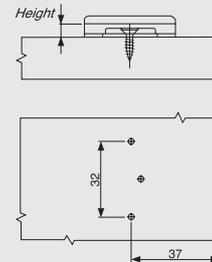
- Material : steel
- Nickel plated
- Fixing with 3.5mm chipboard screws
- With height adjustment  $\pm 2$ mm by cam mechanism



Spacing	Height	Item No.
---------	--------	----------

0mm	5.5mm	0SD
-----	-------	-----

3mm	8.5mm	3SD
-----	-------	-----



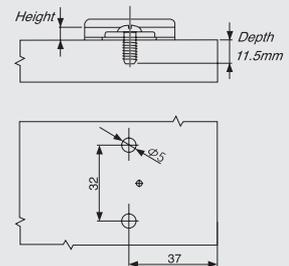
- Material : steel
- Nickel plated
- Fixing with pre-mounted system screws  $\phi 6$ mm
- With height adjustment  $\pm 2$ mm by cam mechanism



Spacing	Height	Item No.
---------	--------	----------

0mm	5.5mm	0SDE
-----	-------	------

3mm	8.5mm	3SDE
-----	-------	------



**MEMO**

## Body cover caps (For Straight Arm)

PRINTED



PLAIN



**PLASTIC**



- Material : Plastic
- Color : Custom color available

EMBOSED



PLAIN

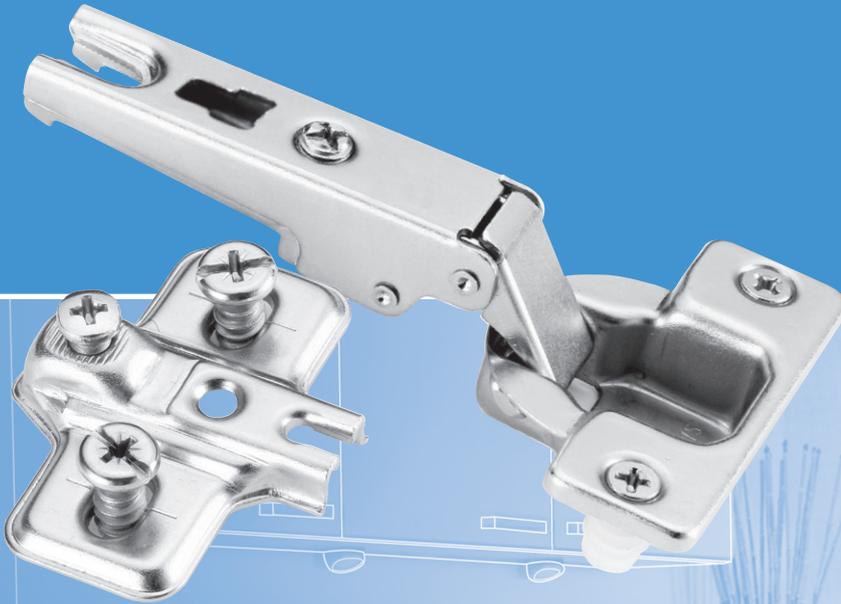


**STEEL**



- Material : Steel  
(Nickel plated)

## SLIDE ON SYSTEM

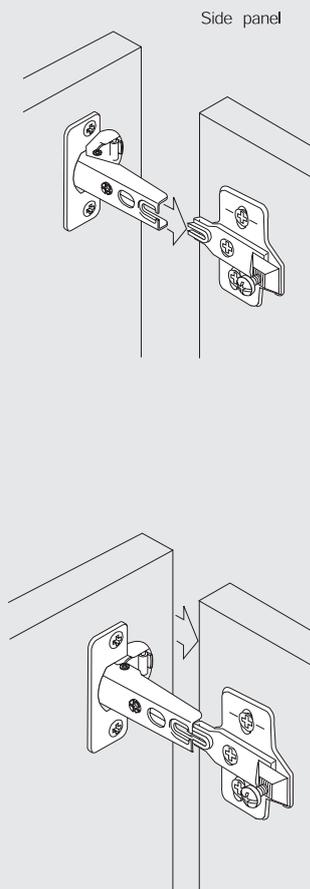


# Slide on system

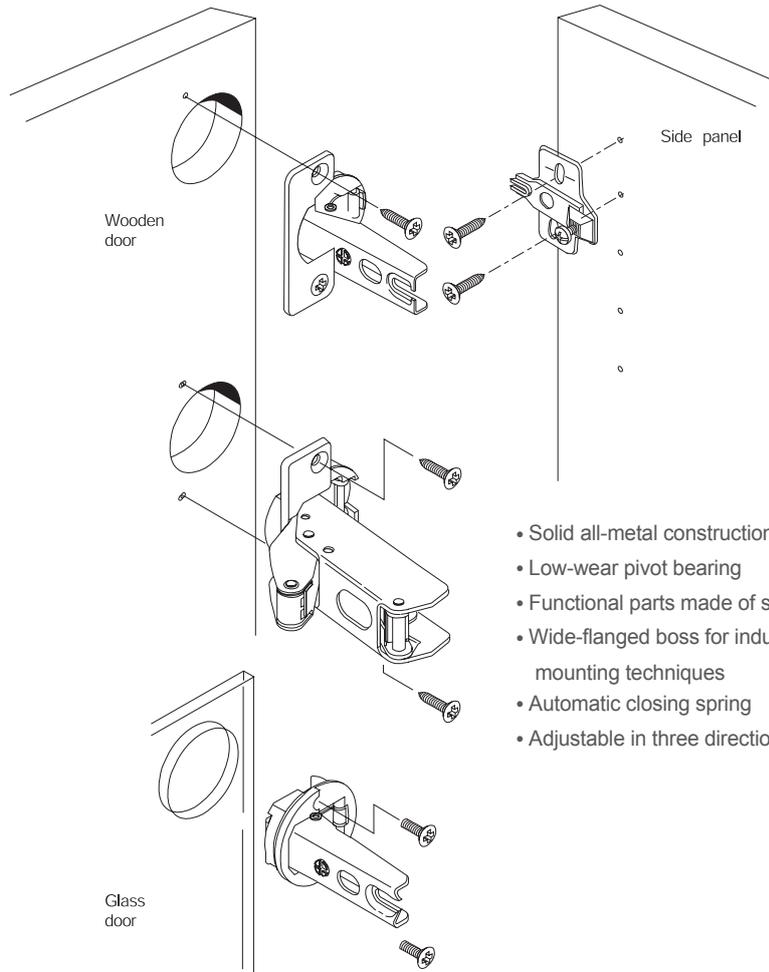
- ▶ Door assembly is simple and easy with our slide-on system
- ▶ 3-dimensional adjustment for precise door alignment
- ▶ Economic, Functional and long lasting

## Slide on system

Push-fit mounting diagram

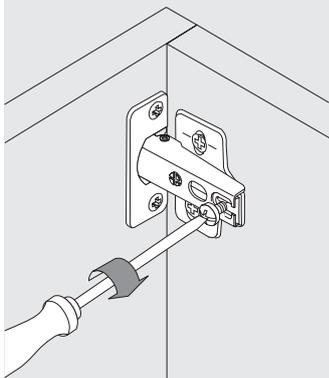


The range with push-fit mounting method

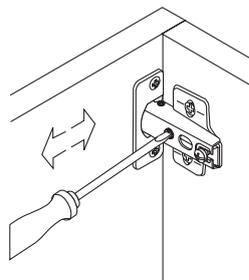


- Solid all-metal construction
- Low-wear pivot bearing
- Functional parts made of steel
- Wide-flanged boss for industrial mounting techniques
- Automatic closing spring
- Adjustable in three directions

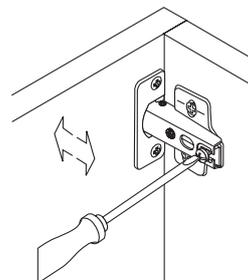
Push-fit mounting diagram



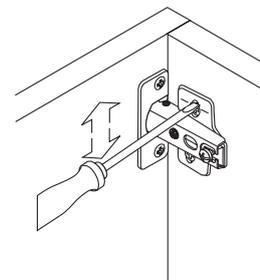
Adjustment facilities



**Lateral**  
by screw adjustment



**Depth**  
by slackening the hinge arm mounting screw



**Vertical**  
via slots in the mounting plate

## Slide on hinge, Opening angle 110°

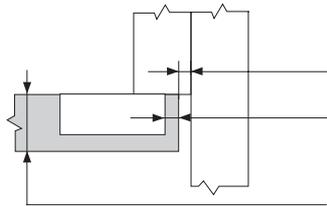
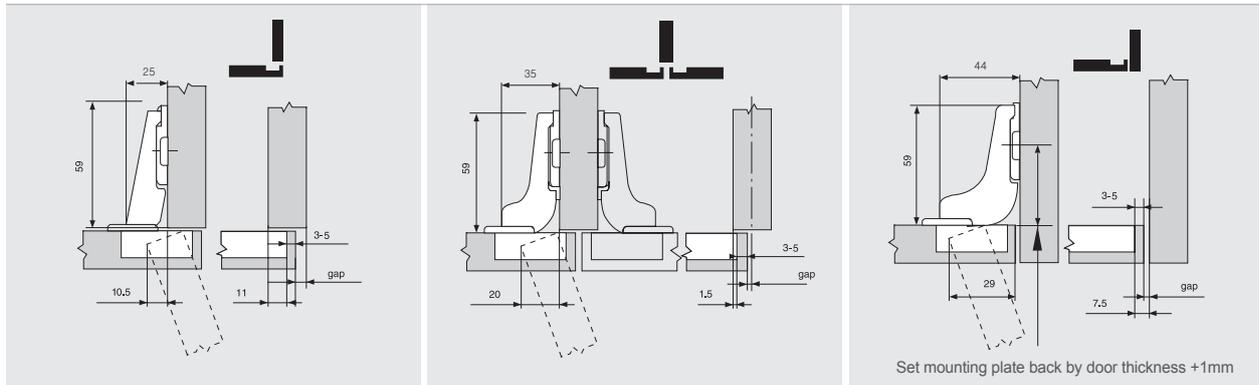


- Metal hinge
- Nickel plated
- Opening angle 110°
- Self-closing with spring
- 3-Dimensional adjustment  
(with relevant mounting plate)
- spring type : strong spring (N & W-type)

CUP DIMENSION		45 / 9.5	48 / 6	52 / 5.5
CUP SPACING		45 / 9.5	48 / 6	52 / 5.5
		Item No <b>550SBN</b>	Item No <b>550SCN</b>	Item No <b>550SHN</b>
<b>Full Overlay</b> Cranking 0mm				
		Item No <b>560SBN</b>	Item No <b>560SCN</b>	Item No <b>560SHN</b>
<b>Half Overlay</b> Cranking 10mm				
		Item No <b>568SBN</b>	Item No <b>568SCN</b>	Item No <b>568SHN</b>
<b>Inset</b> Cranking 18mm				

## Installation dimensions

Hinge dimensions and gap calculation based on factory setting (mounting plate spacing = 0-9mm)  
Hinge and door protrusion of full opening angle

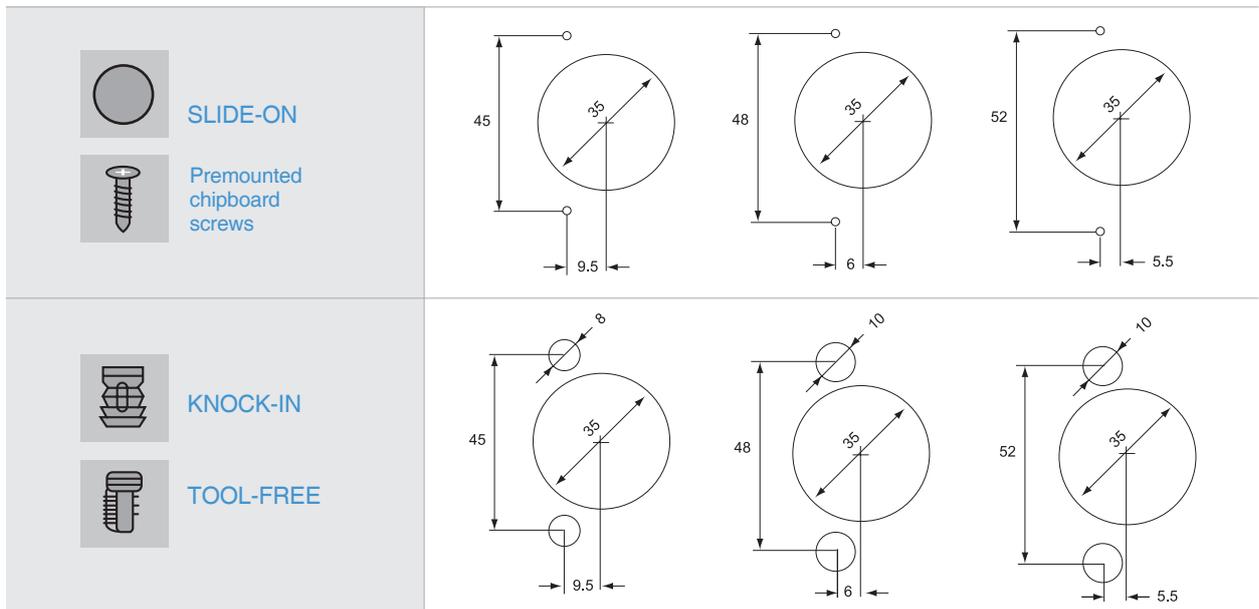


		minimum gap requirement in mm										
drilling dist. : from 3mm to 5mm	0.8	1.4	1.8	2.2	3.1	4.5	A trial application is recommended					
	0.8	1.3	1.5	1.9	2.7	3.8						
Door thickness in mm	16	18	19	20	22	24	26	28	29	30	31	32

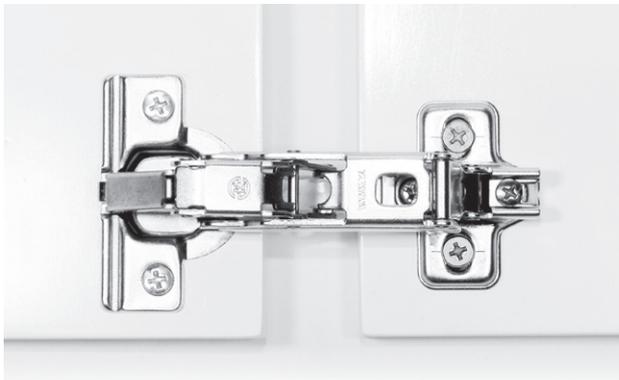
The above figures are based on doors with radiused edges (R=1mm)

Full Overlay											Half Overlay						Inset									
<b>A</b>											<b>A</b>						<b>A</b>						A : Door overlay B : Drilling distance H : Mounting plate height			
11	12	13	14	15	16	17	18	19	H	1.5	2.5	3.5	4.5	5.5	6.5	7.5	8.5	9.5	H	-2.5	-1.5	-0.5		0.5	H	
				3	4	5	6	0				3	4	5	6	0				3	4	5		6	0	
<b>B</b>											<b>B</b>						<b>B</b>									
3	4	5	6						3	3	4	5	6				3									
5											5						5									

## Installation



## Slide on hinge, Opening angle 135°



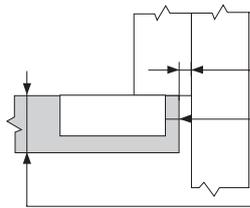
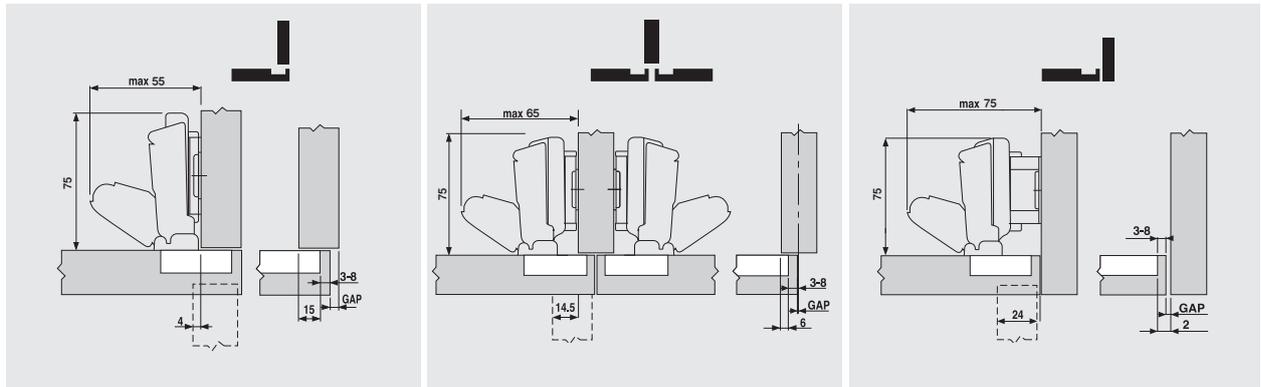
- Metal hinge
- Nickel plated
- Opening angle 135°
- Self-closing with spring
- 3-Dimensional adjustment  
(with relevant mounting plate)

CUP DIMENSION	45 / 9.5	48 / 6	52 / 5.5

CUP SPACING	45 / 9.5	48 / 6	52 / 5.5
	Item No <b>950SB</b>	Item No <b>950SC</b>	Item No <b>950SH</b>
<b>Full Overlay</b>	Cranking 0mm		

## Installation dimensions

Hinge dimensions and gap calculation based on factory setting (mounting plate spacing = 0-9mm)  
Hinge and door protrusion of full opening angle



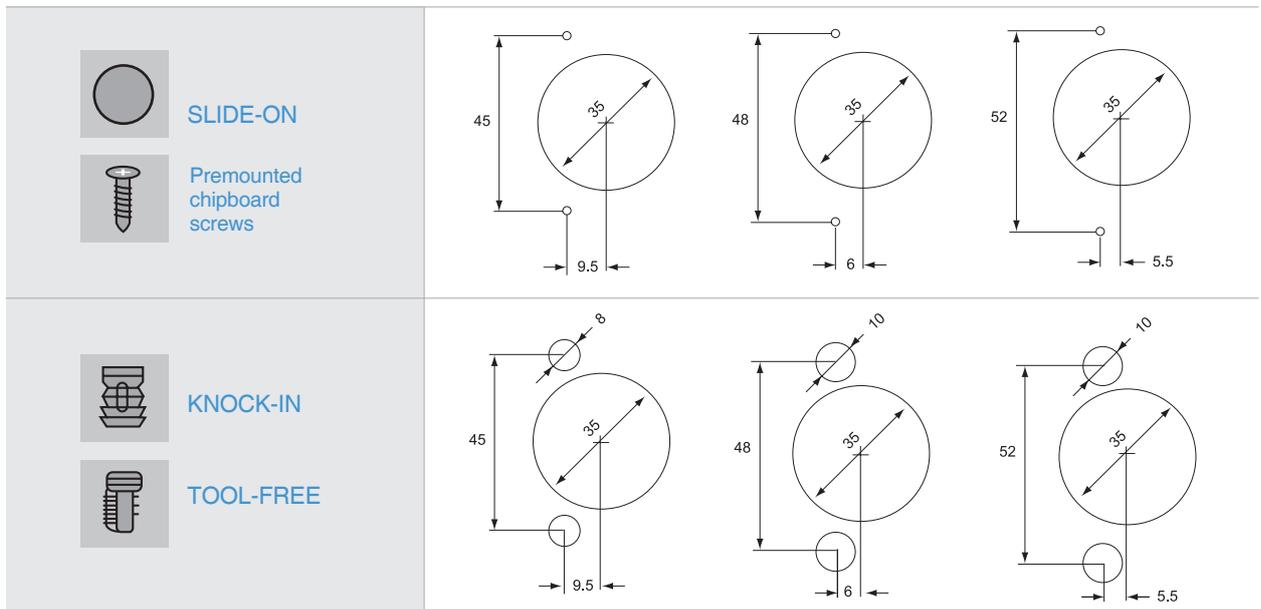
minimum gap requirement in mm

drilling dist. : from 3mm	0	0	0	0	0.9	2.7	4.6	6.5
to 5mm	0	0	0	0	0.1	0.9	2.2	3.6
Door thickness in mm	16	18	19	20	22	24	26	28

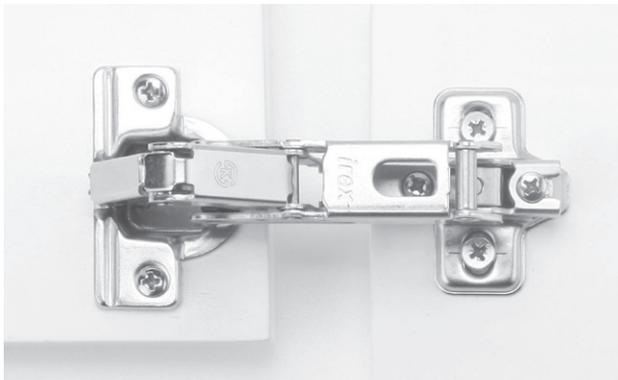
The above figures are based on doors with radiused edges (R=1mm)

Full Overlay										Half Overlay										Inset					
<b>A</b>										<b>A</b>										<b>A</b>					A : Door overlay B : Drilling distance H : Mounting plate height
13	14	15	16	17	18	19	20	21	H	4	5	6	7	8	9	10	11	12	H	-2	-1	0	1	H	
					3	4	5	6	0						3	4	5	6	0	3	4	5	6	0	
<b>B</b>										<b>B</b>										<b>B</b>					
3	4	5	6						3	3	4	5	6						3						
<b>H</b>										<b>H</b>										<b>H</b>					
5										5										5					

## Installation



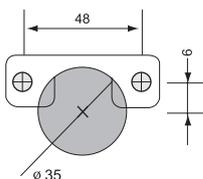
## Slide on hinge, Opening angle 170°



- Metal hinge with steel boss
- Nickel plated
- Opening angle 170°
- Self-closing with spring
- 3-Dimensional adjustment  
(with relevant mounting plate)
- For Inset application : use hinge for half overlay application and 9mm space mounting plate
- Half over lay can be available by adjusting mounting plate

### CUP DIMENSION

48 / 6



### CUP SPACING

48 / 6

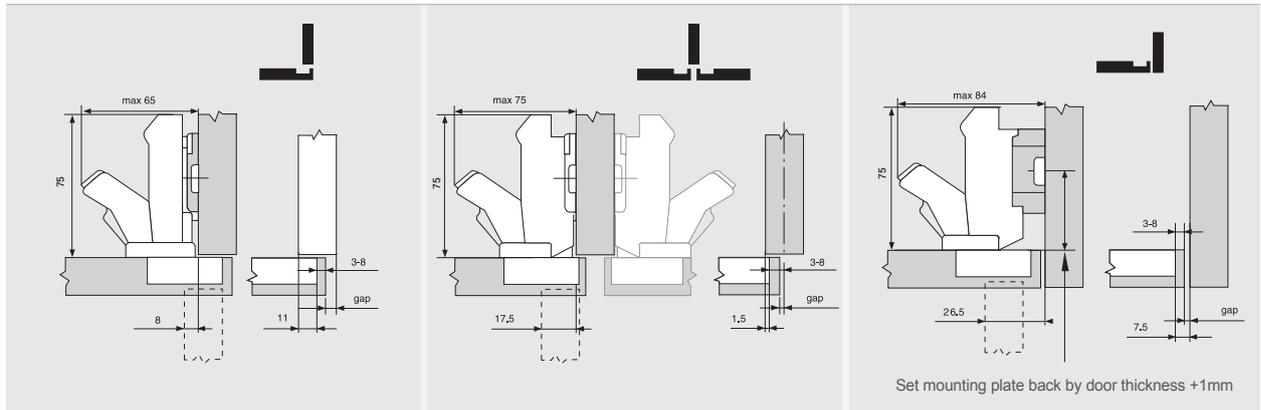


Item No  
**840SC**

**Full Overlay** Cranking 0mm

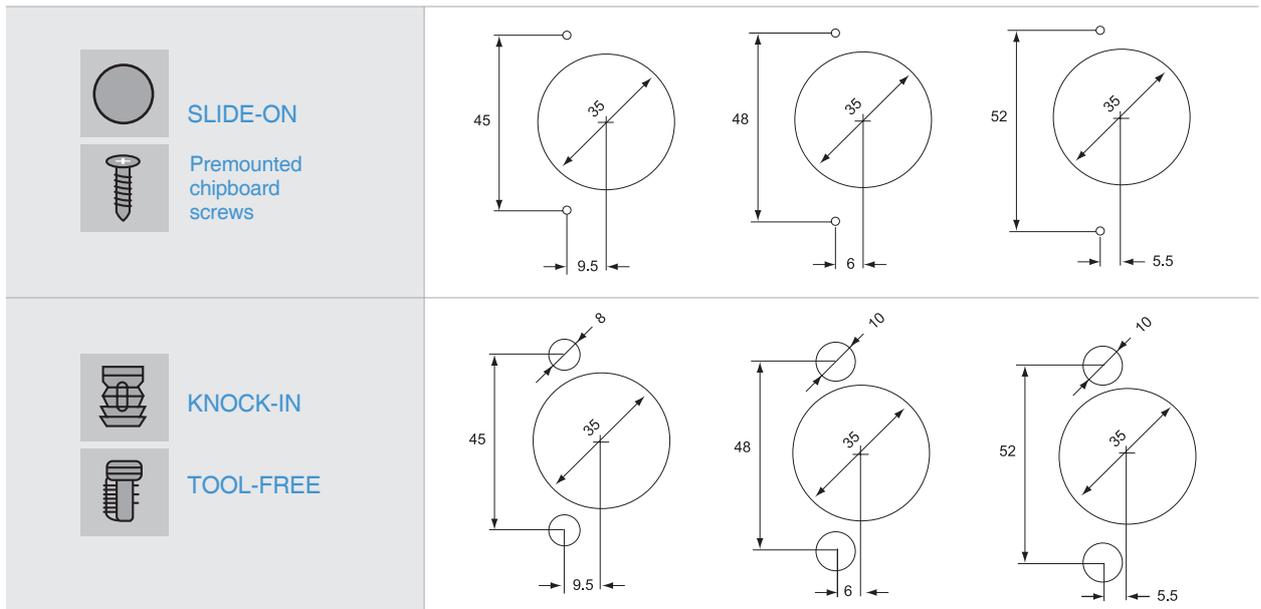
## Installation dimensions

Hinge dimensions and gap calculation based on factory setting (mounting plate spacing= 0-9mm)  
 Hinge and door protrusion of full opening angle

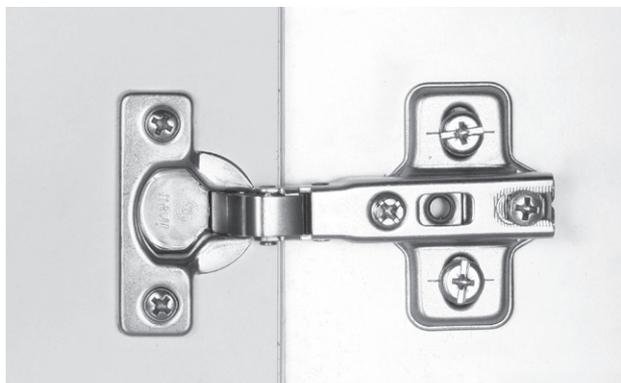


Full Overlay										Half Overlay										Inset					
<b>A</b>										<b>A</b>										<b>A</b>					A : Door overlay B : Drilling distance H : Mounting plate height
11	12	13	14	15	16	17	18	19	H	1.5	2.5	3.5	4.5	5.5	6.5	7.5	8.5	9.5	H	-2.5	-1.5	-0.5	0.5	H	
				3	4	5	6	0						3	4	5	6	0		3	4	5	6	0	
<b>B</b>										<b>B</b>										<b>B</b>					
3	4	5	6						3																

## Installation



## Slide on bathroom cabinet hinge, Opening angle 94°

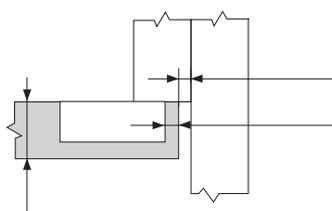
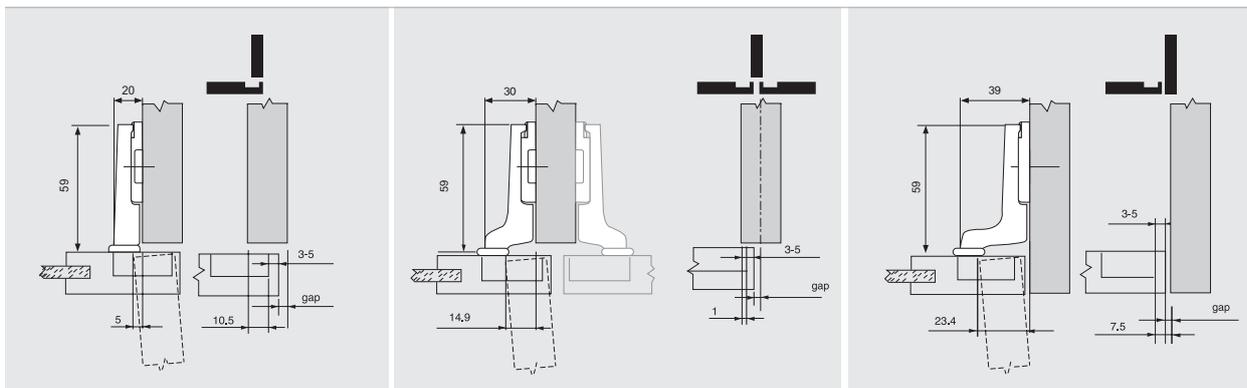


- Metal hinge
- Nickel plated
- Steel boss with spring
- Opening angle 94°
- Self-closing with spring
- 3-Dimensional adjustment  
(with relevant mounting plate)

CUP SPACING		38 / 7.5
	Item No <b>260 SB</b>	
<b>Full Overlay</b> Cranking 0mm		
	Item No <b>270 SB</b>	
<b>Half Overlay</b> Cranking 10mm		
	Item No <b>278 SB</b>	
<b>Inset</b> Cranking 18mm		

## Installation dimensions

Hinge dimensions and gap calculation based on factory setting (mounting plate spacing= 0mm)  
Hinge and door protrusion of full opening angle



drilling dist. : from 3mm to 5mm	1.1	2.2	3.0	3.8	5.5	A trial application is recommended
	1.1	1.8	2.4	3.0	4.6	
Door thickness in mm	16	18	19	20	22	24 26 28 29 30 31 32

The above figures are based on doors with radiused edges (R=1mm)

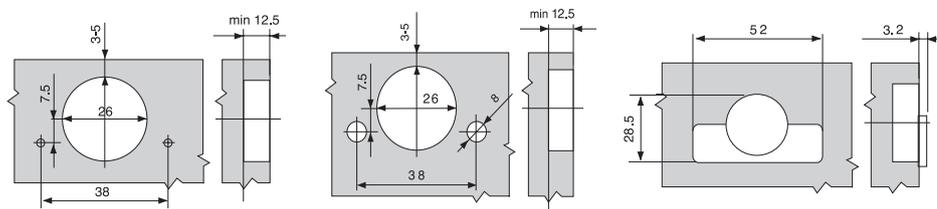
Full Overlay											Half Overlay										Inset						
A											A										A						A : Door overlay B : Drilling distance H : Mounting plate height
9.5 10.5 11.5 12.5 13.5 14.5 16.5 17.5 18.5 H											1 2 3 4 5 6 7 8 9 H										-2.5 -1.5 -0.5 0.5 H						
B											B										B						
3 4 5 6											3 4 5 6										3 4 5 6 0						
5											5										5						

### CUP DIMENSION

Screw-on

Knock-in(38 / 7.5)

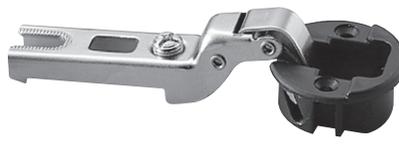
Hinge boss dimensions



## Slide on Glass door hinge, Opening angle 94°

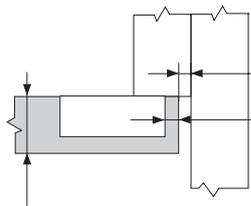
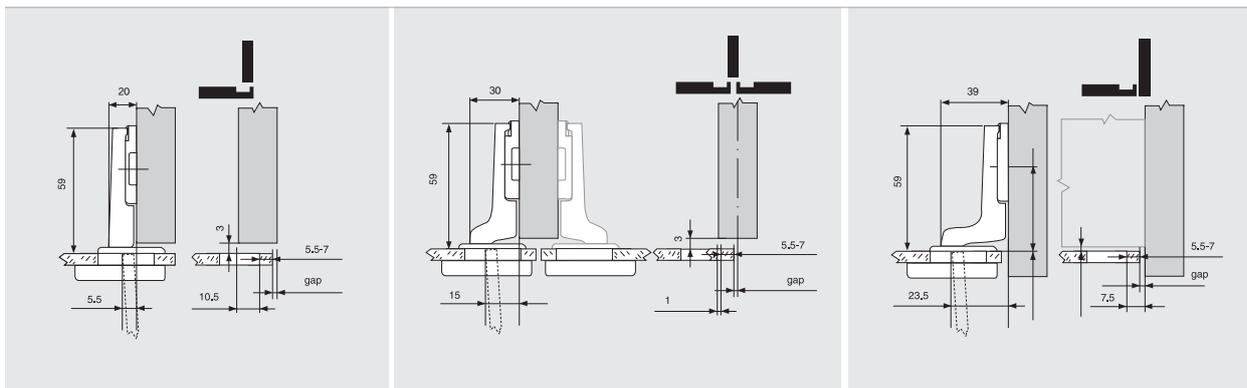


- Nickel plated
- Glass door hinge all metal with nylon boss
- Opening angle 94°
- Self-closing with spring
- 3-Dimensional adjustment (with relevant mounting plate)

CUP SPACING		38 / 7.5		
		Item No <b>260GB</b>		
<b>Full Overlay</b>	Cranking 0mm			
		Item No <b>270GB</b>		
<b>Half Overlay</b>	Cranking 10mm			
		Item No <b>278GB</b>		
<b>Inset</b>	Cranking 18mm			

## Installation dimensions

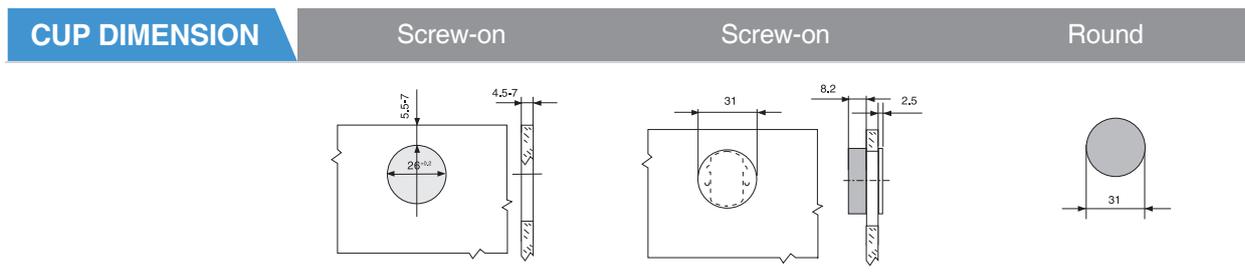
Hinge dimensions and gap calculation based on factory setting (mounting plate spacing= 0-9mm)  
Hinge and door protrusion of full opening angle



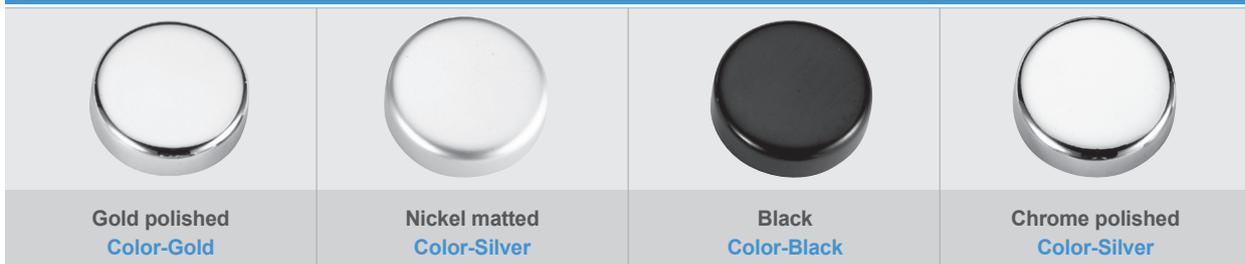
		minimum gap requirement in mm										
drilling dist. : from 3mm to 5mm	0.8	1.4	1.8	2.2	3.1	4.5	A trial application is recommended					
	0.8	1.3	1.5	1.9	2.7	3.8						
Door thickness in mm	16	18	19	20	22	24	26	28	29	30	31	32

The above figures are based on doors with radiused edges (R=1mm)

Full Overlay										Half Overlay										Inset						
A										A										A						A : Door overlay B : Drilling distance H : Mounting plate height
9.5 10.5 11.5 12.5 13.5 14.5 16.5 17.5 18.5 H										1 2 3 4 5 6 7 8 9 H										-2.5 -1.5 -0.5 0.5 H						
B										B										B						
3 4 5 6										3 4 5 6										3 4 5 6 0						



## BOSS COVER CAPS



Gold polished  
Color-Gold

Nickel matted  
Color-Silver

Black  
Color-Black

Chrome polished  
Color-Silver

## Slide on hinge, Opening angle 110°



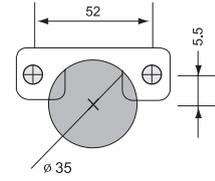
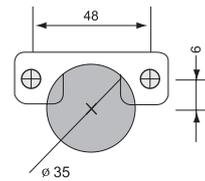
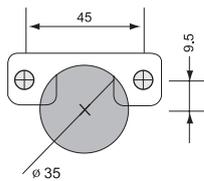
- Metal hinge
- Nickel plated
- Opening angle 110°
- Self-closing with spring(Standard type)
- 3-Dimensional adjustment  
(with relevant mounting plate)
- spring type : strong spring(W-type)

### CUP DIMENSION

45 / 9.5

48 / 6

52 / 5.5



### CUP SPACING

45 / 9.5

48 / 6

52 / 5.5



Item No  
**550SBW**

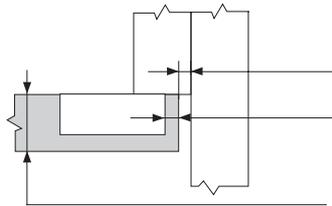
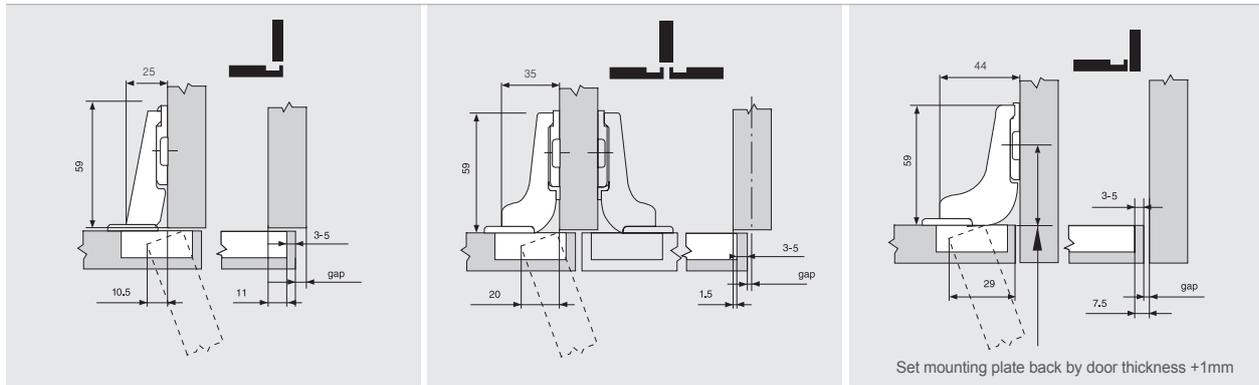
Item No  
**550SCW**

Item No  
**550SHW**

**Full Overlay** Cranking 0mm

## Installation dimensions

Hinge dimensions and gap calculation based on factory setting (mounting plate spacing = 0-9mm)  
Hinge and door protrusion of full opening angle

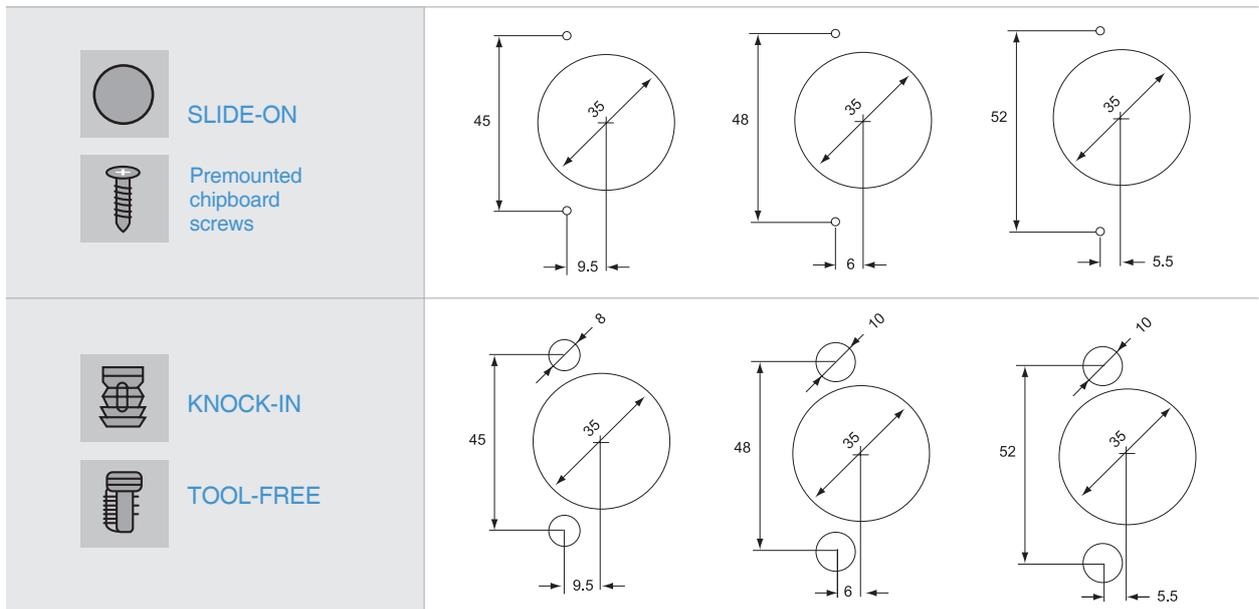


		minimum gap requirement in mm										
drilling dist. : from 3mm to 5mm	0.8	1.4	1.8	2.2	3.1	4.5	A trial application is recommended					
	0.8	1.3	1.5	1.9	2.7	3.8						
Door thickness in mm	16	18	19	20	22	24	26	28	29	30	31	32

The above figures are based on doors with radiused edges (R=1mm)

Full Overlay												Half Overlay										Inset						
<b>A</b>												<b>A</b>										<b>A</b>						A : Door overlay B : Drilling distance H : Mounting plate height
11	12	13	14	15	16	17	18	19	H	1.5	2.5	3.5	4.5	5.5	6.5	7.5	8.5	9.5	H	-2.5	-1.5	-0.5	0.5	H				
				3	4	5	6	0					3	4	5	6	0					3	4	5	6	0		
<b>B</b>												<b>B</b>										<b>B</b>						
3	4	5	6					3	3	4	5	6					3											
3	4	5	6					5	3	4	5	6					5											

## Installation



## Blind corner hinge for wooden doors



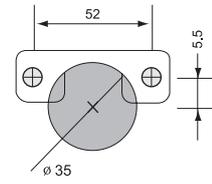
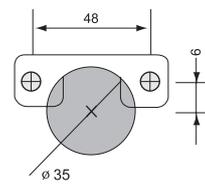
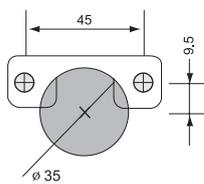
- Metal hinge
- Nickel plated
- Steel boss with spring
- Opening angle 94°
- Self-closing with spring
- 3-Dimensional adjustment  
(with relevant mounting plate)
- For blind corner application

### CUP DIMENSION

45 / 9.5

48 / 6

52 / 5.5



### CUP SPACING

45 / 9.5

48 / 6

52 / 5.5



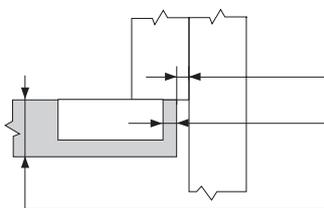
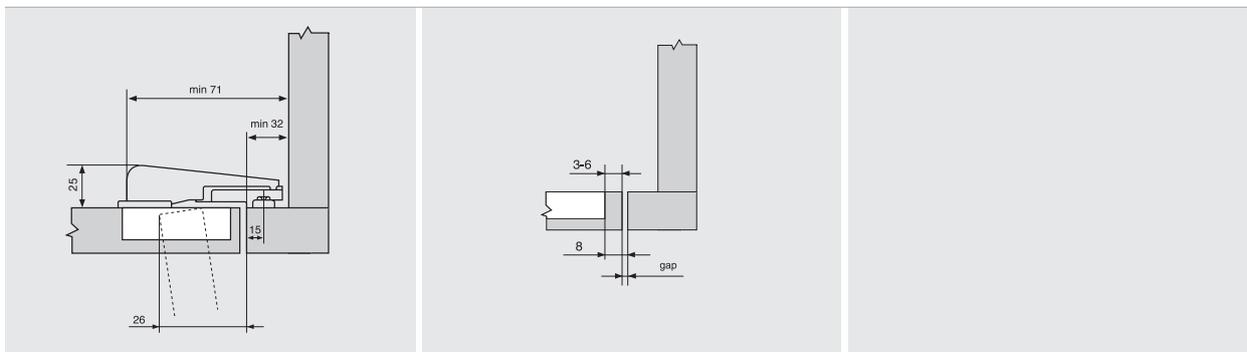
Item No  
**590SB**

Item No  
**590SC**

Item No  
**590SH**

**Full Overlay**

## Installation dimensions



minimum gap requirement in mm

drilling dist. : from 3mm to 5mm	1.1	2.2	3.0	3.8	5.5	A trial application is recommended
Door thickness in mm	16	18	19	20	22	

The above figures are based on doors with radiused edges (R=1mm)

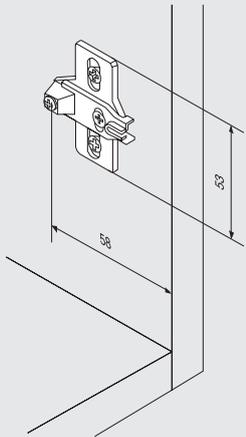
## Installation

	<p><b>SLIDE-ON</b></p>			
	<p>Premounted chipboard screws</p>			
	<p><b>KNOCK-IN</b></p>			
	<p><b>TOOL-FREE</b></p>			

- Material: zinc
- Fixing with pre-mounted  $\phi 6$ mm system screws
- With height adjustment  $\pm 2$  mm

Spacing	Height	Part No.
3mm	8.5mm	BC-103A

## Mounting Plate for Slide on type



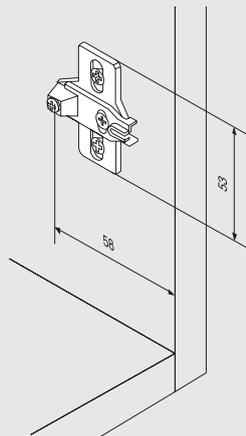
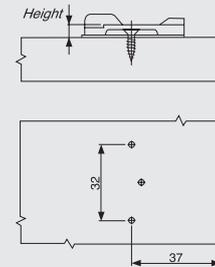
- Material : steel
- Nickel plated
- Fixing with 3.5mm chipboard screws
- with height adjustment  $\pm 2$ mm



Spacing	Height	Item No.
---------	--------	----------

0mm	5.5mm	0SA
-----	-------	-----

3mm	8.5mm	3SA
-----	-------	-----



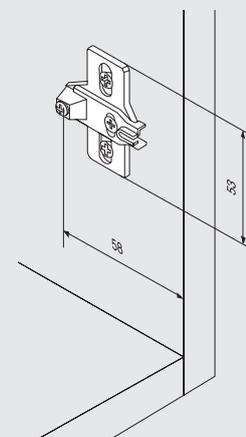
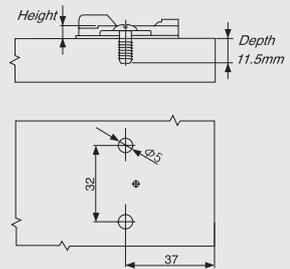
- Material : steel
- Fixing with pre-mounted  $\phi 6$ mm system screws
- With height adjustment  $\pm 2$ mm



Spacing	Height	Item No.
---------	--------	----------

0mm	5.5mm	0SAE
-----	-------	------

3mm	8.5mm	3SAE
-----	-------	------



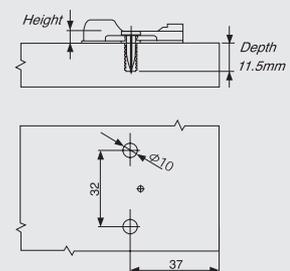
- Material : steel
- Nickel plated
- Knock-in assembly with premounted 10mm dowels
- with height adjustment  $\pm 2$ mm



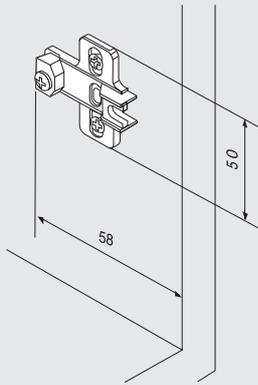
Spacing	Height	Item No.
---------	--------	----------

0mm	5.5mm	0SAK
-----	-------	------

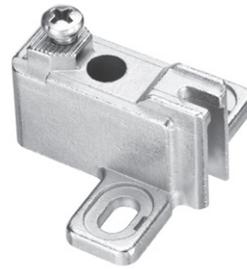
3mm	8.5mm	3SAK
-----	-------	------



## Mounting Plate for Slide on type

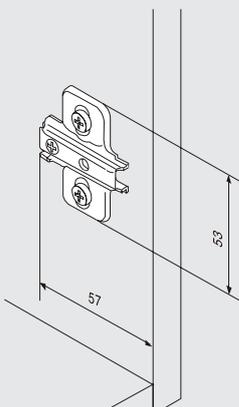
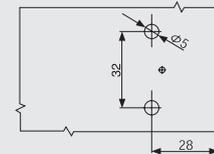
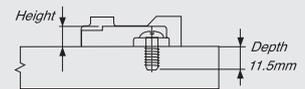


- Material : zinc
- Fixing with pre-mounted  $\varnothing 6\text{mm}$  system screws
- with height adjustment  $\pm 2\text{mm}$



Spacing	Height	Item No.
---------	--------	----------

18mm	22.5mm	18DB
------	--------	------

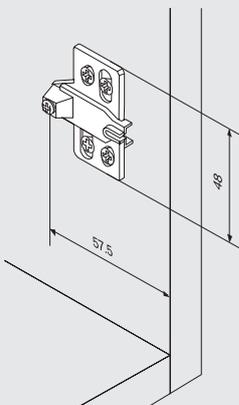
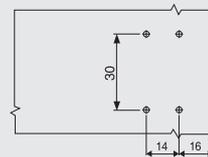
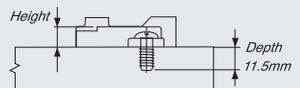


- Material : steel
- Fixing with 3.5mm chipboard screws



Spacing	Height	Item No.
---------	--------	----------

2mm	7.0mm	2SB
3mm	8.5mm	3SB
5mm	10.5mm	5SB

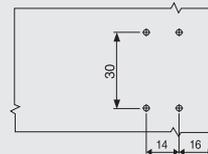
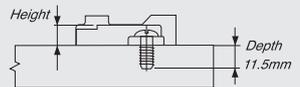


- Material : steel
- Fixing with 3.5mm chipboard screws

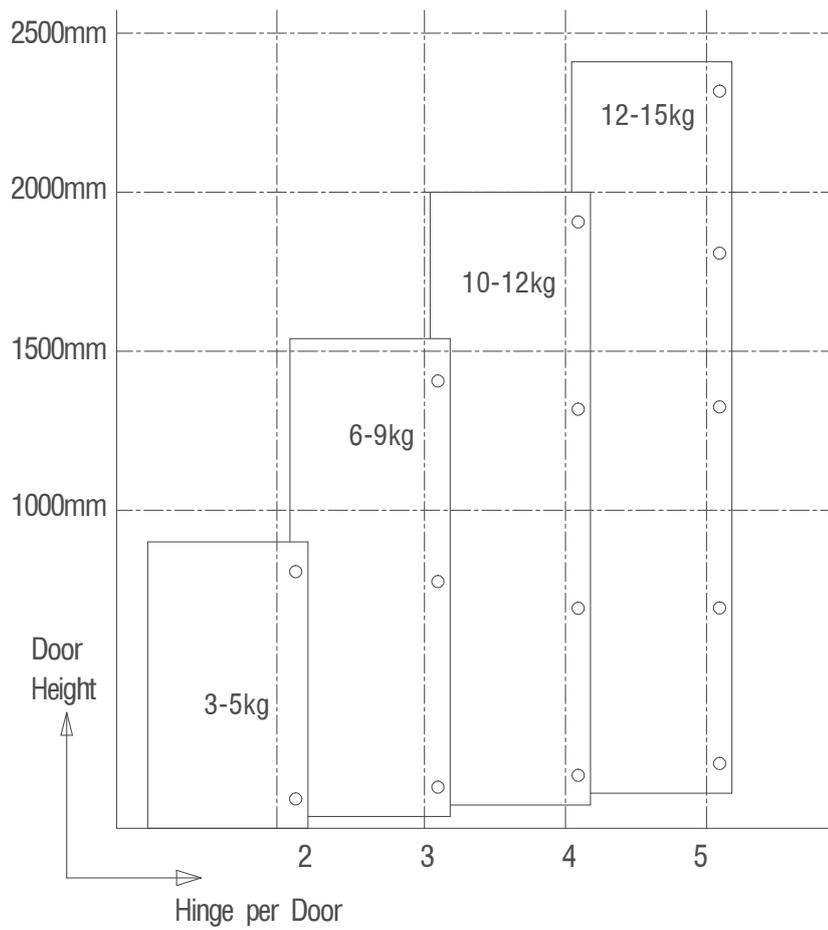


Spacing	Height	Item No.
---------	--------	----------

2mm	7.0mm	2SB
3mm	8.5mm	3SB
5mm	10.5mm	5SB



## Hinge Application Table



## Item No. Table

Hinge body											
Door-Opening Degree		Door Type			Door-Opening Degree		Door Type				
		Overlay	Half	Inset			Overlay	Half	Inset		
SLIDE ON	2	90°	60	70	78	CLIP ON	5	85°	71	81	89
	5	85°	51	61	69		7	110°	70	80	88
		110°	50	60	68						
		170°	40								
	8	170°	40				8	165°	50		
9	135°	50			9	135°	70	80			
Specific application		Material of Cup			Cup Spacing		Added Option				
<b>D</b>	DAMPER HINGE	<b>D</b>	Diecasting		<b>B</b>	45mm	<b>J</b>	*Split Dowel + SUS Screw			
<b>A</b>	Aluminium Profile	<b>S</b>	Steel		<b>C</b>	48mm	<b>K</b>	*Dowel			
		<b>G</b>	GLASS DOOR HINGE		<b>H</b>	52mm	<b>A</b>	*Anchor Dowel			

**\*Dowel**

Knock-in Bolt

 :Cam type (3 Dimensional adjustments)

**\*Ex)**

550SBA(Hinge body of Slide on type, 110°Δopening degree, Overlay door type, Steel cup, 45mm cup spacing, N-type spring and Anchor bolt)

Mounting Plate						
*Spacing	Material		Type		Added Option	
0	<b>D</b>	Diecasting	<b>A</b>	A type(37MM)	<b>E</b>	Euro Screw (6x13.5)
3	<b>S</b>	Steel	<b>B</b>	B type(28MM)	<b>J</b>	* Dowel + SUS Screw
5			<b>C</b>	Clip type	<b>K</b>	* Dowel
8			<b>D</b>	Double Clip + *Cam Type		
9			<b>F</b>	4 Hole Type		
18			<b>W</b>	*Double Type		

**\*Spacing**

Refer to the M/P parts in the book

**\*Cam Type**

3 Dimensional adjustment

**\*Double Type**

Two-plated type

**\*Dowel**

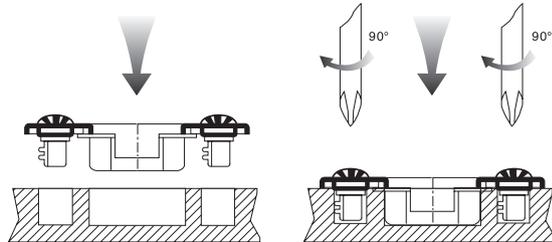
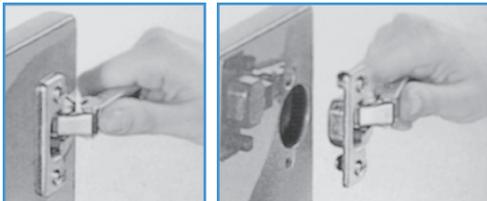
Knock-in Bolt

**\*Ex)**

0SCWE(Mounting plate of 0mm spacing, Steel material, Clip Double type and Euro screw)

## Technical information

### 1. Tool free system



The cup and dowels of easyfit hinges are simply positioned in pre-bored holes by gentle hand pressure and simply turn the screw 90° deg, clockwise.

Dowels are permanently installed in solid wood and MDF. No components remain in the door after removal.

### 3. Quality control at Laboratory



1. Product observation as well as wear and fatigue testing (30N/80,000 cycles)
2. Loading test (200N/20 cycles)
3. Safety test (300N/5 cycles)
4. Slam open/close test (100N/5 cycles)

### 4. General conditions of sales and delivery

The technical presentations and dimensions in illustrations and drawings are non-binding. We reserve the right to make changes to specifications at any time.

We do not accept any responsibility for any errors which may occur in production of this catalogue.

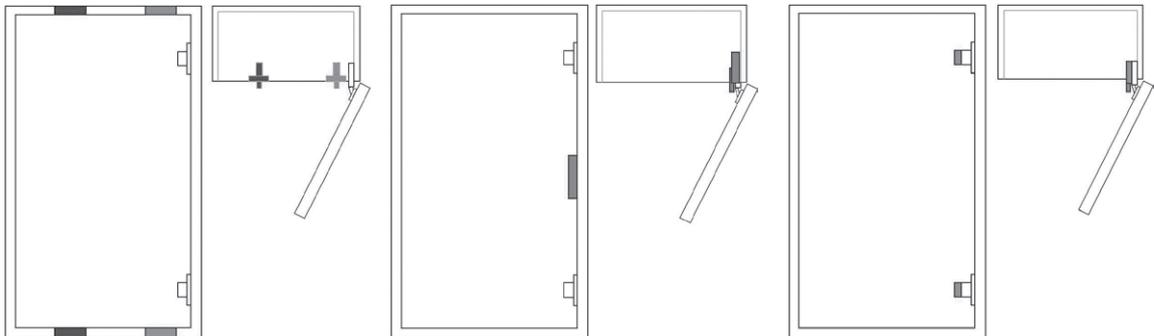
All deliveries and services are based on the general conditions of sales which are available upon request.

MEMO

# Attachment positions Damper for door

Category	Door Width	Door Height	Door Thickness	Door Weight	Common Damper			SIDE Damper	Attachment-Type Damper
					MODEL NO 4000	MODEL NO 6000	MODEL NO 9000	MODEL NO 9000	MODEL NO 9000
Small Door (Kitchen)	300 X	750 X	18	3.0Kg	1EA		1EA	1EA	
	400 X	750 X	18	4.0Kg	1EA		1EA	1EA	
	450 X	750 X	18	4.5Kg	1EA		1EA	1EA	
	500 X	750 X	18	5.0Kg	1EA		1EA	1EA	
Big Door (Furniture)	400 X	1800 X	18	10.0Kg		1EA	2EA	2EA	
	400 X	2200 X	18	11.0Kg		1EA	2EA	2EA	
	450 X	1800 X	18	11.0Kg		1EA	2EA	2EA	
	450 X	2200 X	18	12.5Kg		1EA	2EA	2EA	

## INSTALLATION



## Installation



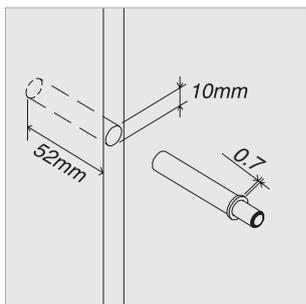
# Soft-close Damper for door

## Inset Damper

Inset Damper into the cabinet side opposite to the hinges.

For an optimal performance, we suggest that the Damper is positioned at the center of the side panel.

Regardless of wide door can be suitable and also any speed of door bring the movement close

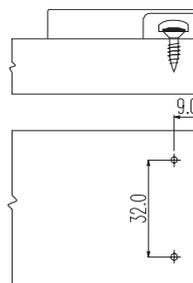
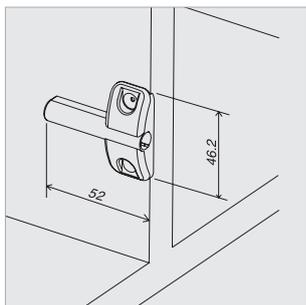


- Material : Plastic
- Colour : grey, cherry, white, oak

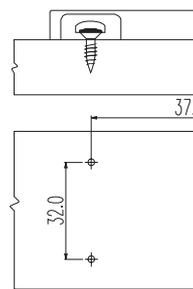
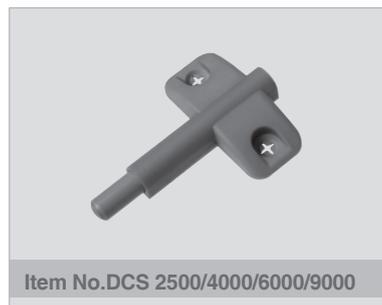
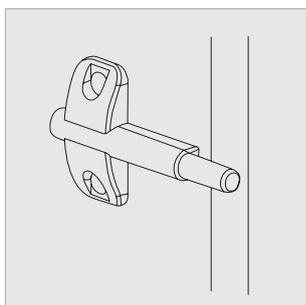
## Damper with Adapter

Damper with adapter can be installed and adapter to be screwed under the top or on the base panel of the cabinet.

Regardless of wide door can be suitable and also any speed of door bring the movement close



- Material : Plastic
- Colour : grey, cherry, white, oak
- Fixing with  $\phi 3.5$ mm or  $\phi 4$ mm chipboard screws

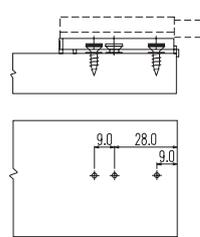
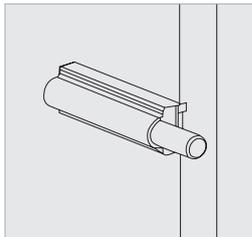


- Material : Plastic
- Colour : grey, cherry, white, oak
- Fixing with  $\phi 3.5$ mm or  $\phi 4$ mm chipboard screws

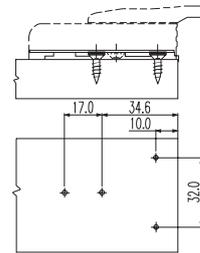
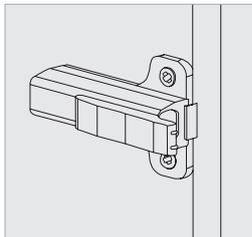
# Soft-close Damper for door

## Damper with Adapter

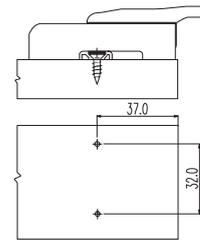
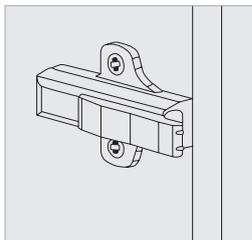
Damper with adapter can be installed and adapter to be screwed under the top or on the base panel of the cabinet. Regardless of wide door can be suitable and also any speed of door bring the movement close



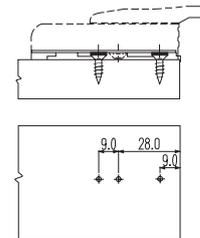
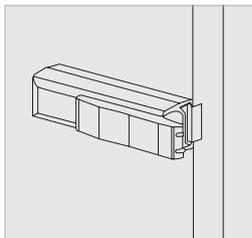
- Material : Plastic
- Colour : grey, cherry, white, oak
- Fixing with  $\phi 3.5\text{mm}$  or  $\phi 4\text{mm}$  chipboard screws



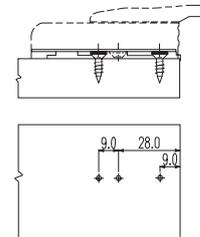
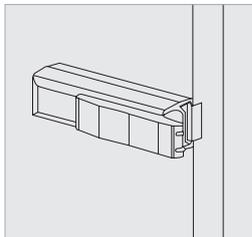
- Material : Plastic
- Colour : silver painting
- Fixing with  $\phi 3.5\text{mm}$  or  $\phi 4\text{mm}$  chipboard screws



- Material : ZnDc
- Ni Plated
- Fixing with  $\phi 3.5\text{mm}$  or  $\phi 4\text{mm}$  chipboard screws
- adjustable range 0mm ~ -4mm



- Material : Plastic
- Colour : silver painting
- Fixing with  $\phi 3.5\text{mm}$  or  $\phi 4\text{mm}$  chipboard screws



- Material : Plastic
- Colour : silver painting
- Fixing with  $\phi 3.5\text{mm}$  or  $\phi 4\text{mm}$  chipboard screws

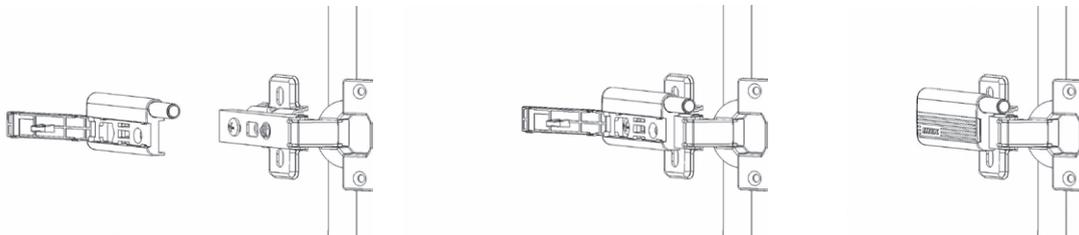
## Soft-closing Damper for hinge



### DESCRIPTION

- Plastic
- Application item code : 770, 570, 550
- Finish : Painting

MODEL		APPLIED HINGE		
 Item No. EDH 9000	Full Overlay	Item No 550	Item No 570	Item No 770
	Cranking 0mm			
 Item No. HDH 9000	Half Overlay	Item No 560	Item No 580	Item No 780
	Cranking 10mm			
 Item No. LDH 540	Half Overlay	Item No 540		
	Cranking 10mm			
INSTALLATION				



# IREX SYSTEM

## In Box ( IR BOX-IN)



### Specifications

### Damping

- Loading capacity : 40kg
- Adjustment range : top/bottom +/- 2mm, left right +/-1.5mm
- Back plate height : 70mm
- Color : Metallic Silver

## Drawer( IR BOX-NS)



### Specifications

### Damping

- Loading capacity : 40kg
- Adjustment range : top/bottom +/- 2mm, left right +/-1.5mm
- Back plate height : 70mm
- Color : Metallic Silver

## Gallery ( IR BOX-GA)



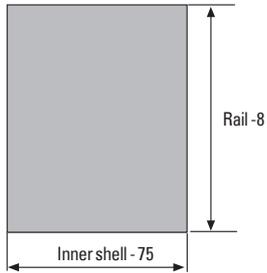
### Specifications

### Damping

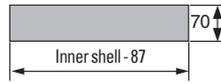
- Loading capacity : 40kg
- Adjustment range : top/bottom +/- 2mm, left right +/-1.5mm
- Back plate height : 120mm
- Color : Metal Silver

## Cutting

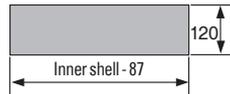
### 1. Foundation size



### 2. Back plate (In, Drawer)



### 3. Back plate ( Gallery)



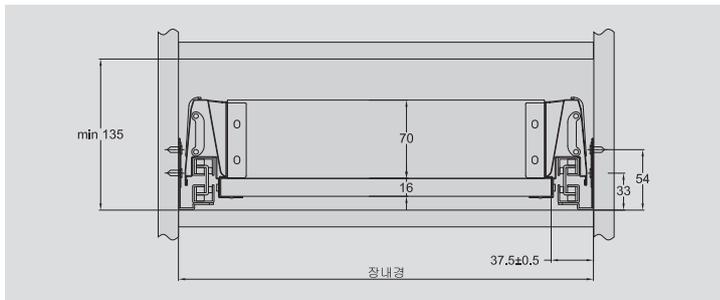
\* Front plate for In box : Inner shell - 85

Item name	Cutting Dimension ( basis :500mm , outer dimension)	
	600mm	1000mm
Base plate (15 T standard)	495(W) x 492(D)	895(W) x 492(D)
Back plate (15 T standard)	Drawer	483(W) x 70(D)
	Gallery	483(W) x 120(D)
		883(W) x 120(D)

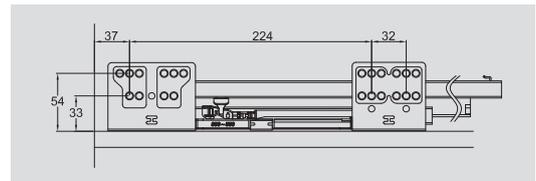
\*\* Install the drawer on the rail from 1mm higher position.



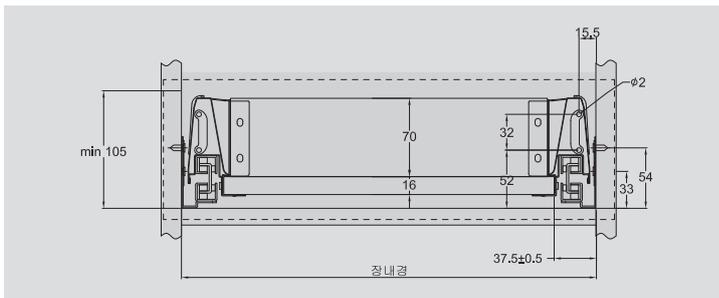
## Drawer's diagram



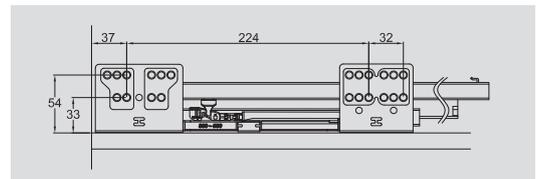
### Location of side plate mounting ( In box)



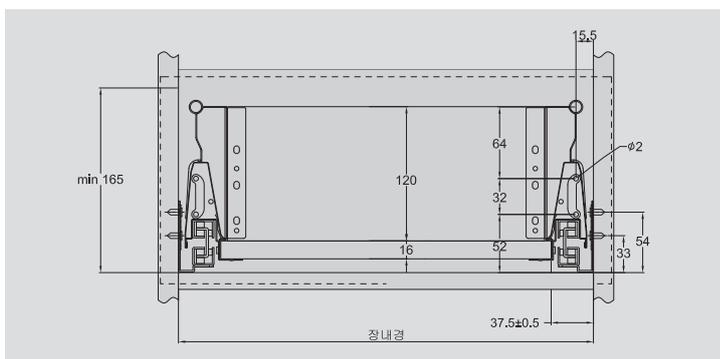
## Drawer's diagram



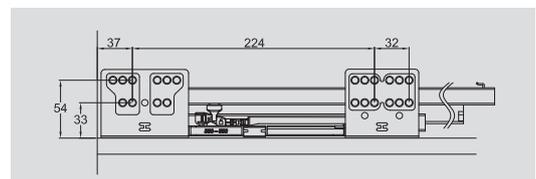
### Location of side plate mounting (Drawer)



## Drawer's diagram



### Location of side plate mounting ( Gallery)



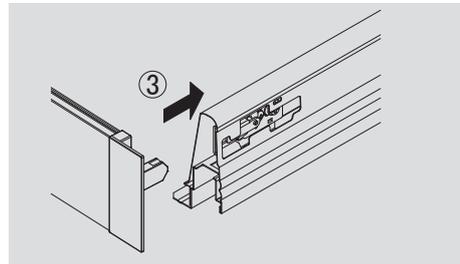
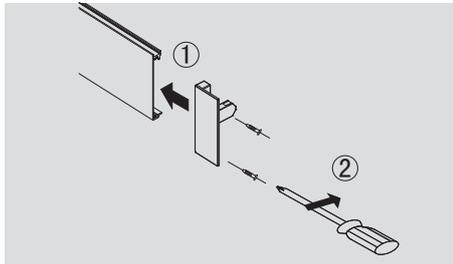


IREX BOX® | max loading capacity

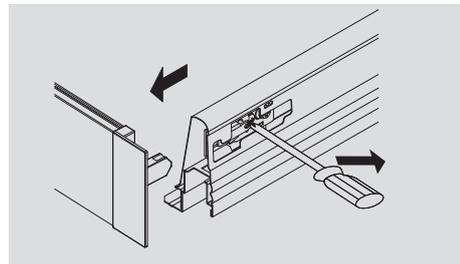
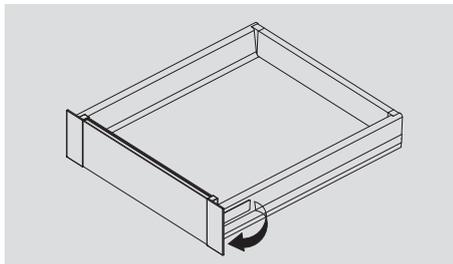


IREX BOX® | Use various space in the drawer

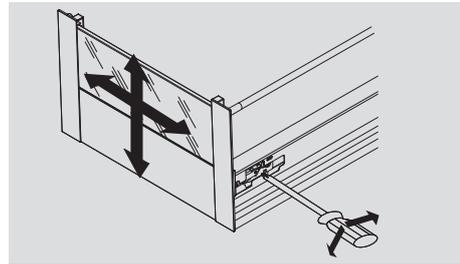
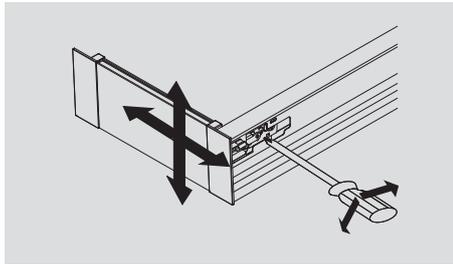
### Front panel bracket installation



### Front panel assemble and disassemble method

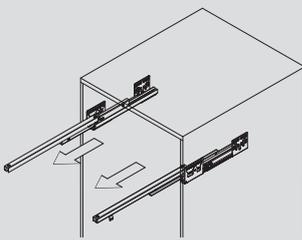


### Front panel adjustment up/down +/- 2mm , L/R +/- 2mm

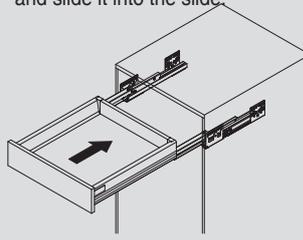


### IREX BOX installation and decomposition method

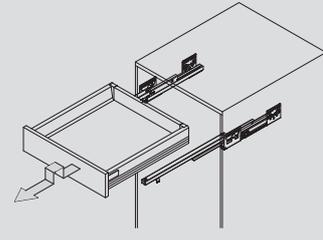
1. Lift out the rails on both sides.



2. Place the wood box on top of the slide and slide it into the slide.



3. Lift up the box for disassemble.



MEMO

# IREX SMART SYSTEM

## In Box (SM BOX-IN)



### Specifications

### Damping

- Loading capacity : 40kg
- Adjustment range : top/bottom +/- 2mm, left right +/-1.5mm
- Back plate height : 66mm
- Color : Metallic silver

## Drawer (SM BOX-NS)



### Specifications

### Damping

- Loading capacity : 40kg
- Adjustment range : top/bottom +/- 2mm, left right +/-1.5mm
- Back plate height : 66mm
- Color : Metallic silver

## Gallery (SM BOX-GA)



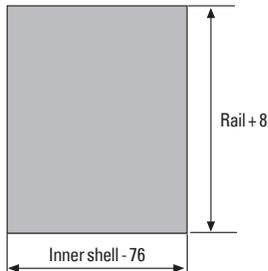
### Specifications

### Damping

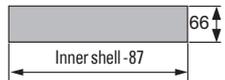
- Loading capacity : 40kg
- Adjustment range : top/bottom +/- 2mm, left right +/-1.5mm
- Back plate height : 144mm
- Color : metallic silver

Foundation size

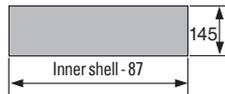
1. Bottom plate



2. Back plate (In, Drawer)



3. Back plate ( Gallery)

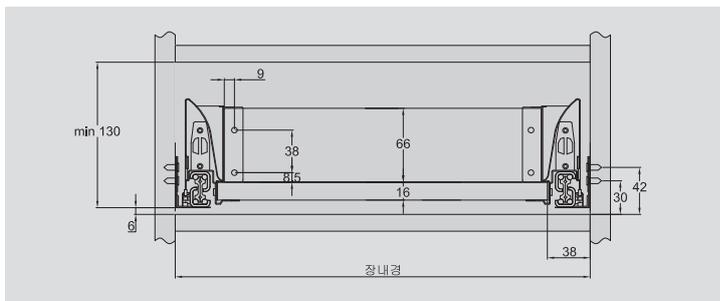


\* Front plate for In box : Inner shell - 80

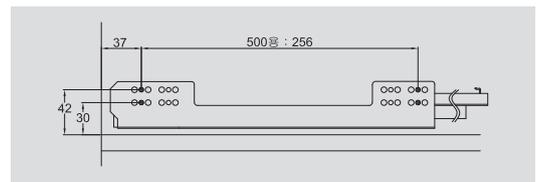
Item name	Tailor's measure / 500mm drawer / Outer reference	
	600mm	1000mm
Base plate (15 T standard)	494(W) x 508(D)	894(W) x 508(D)
Back plate (15 T standard)	Drawer	483(W) x 66(D)
	Gallery	483(W) x 145(D)

\*\* Install the drawer on the rail from 1mm higher position.

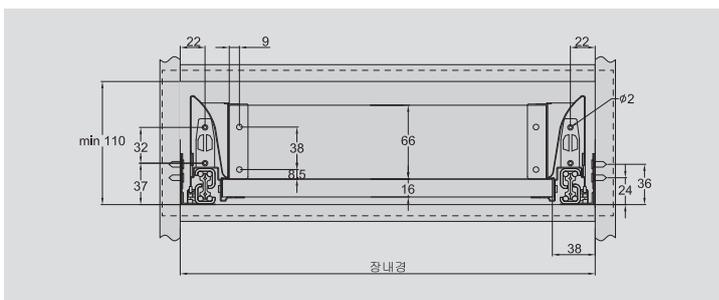
Drawer's diagram



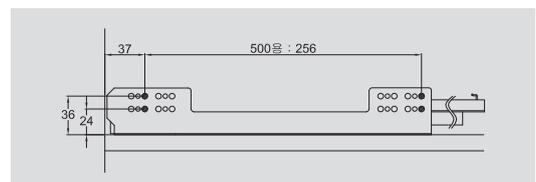
Location of side plate mounting ( In box)



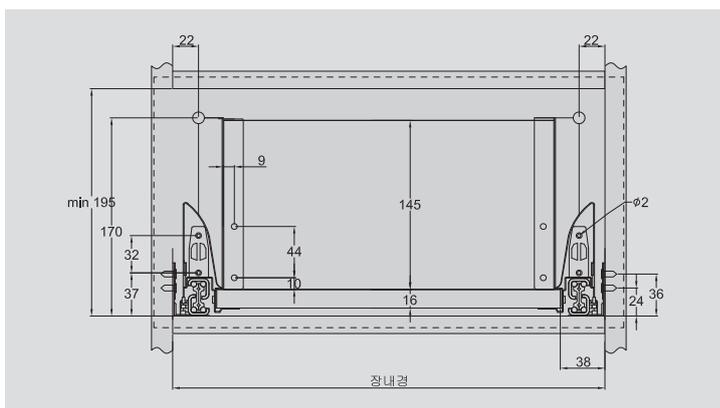
Drawer's diagram



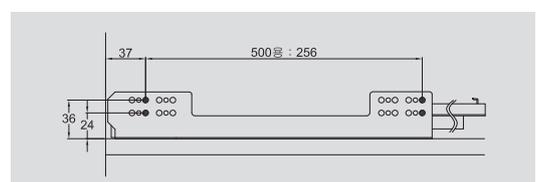
Location of side plate mounting (Drawer)



Drawer's diagram



Location of side plate mounting ( Gallery)



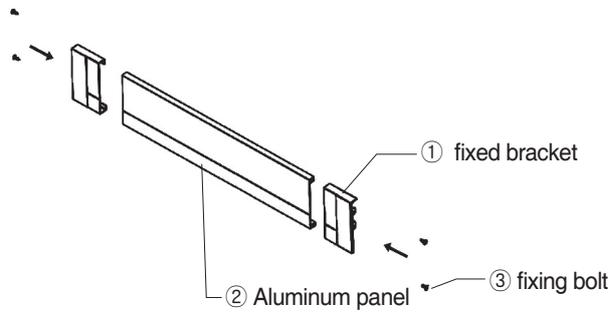


**SMART BOX®** | max loading capacity 30kg



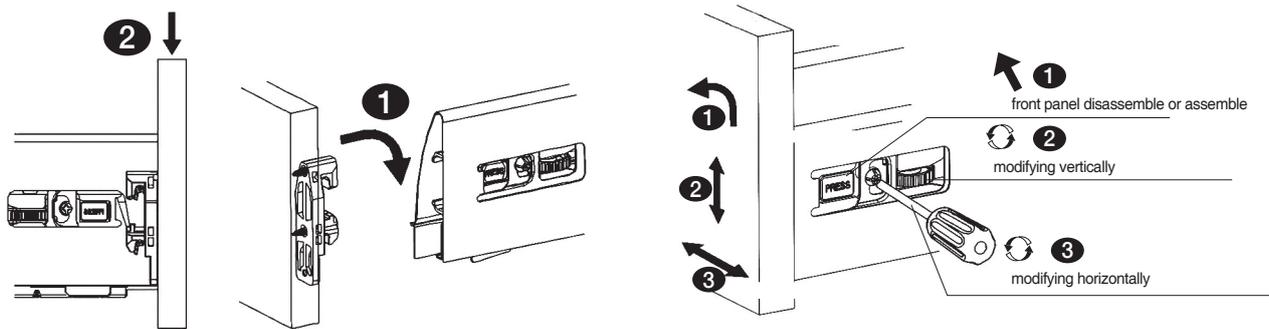
**SMART BOX®** | Use various space in the drawer

**IN Box installation method**



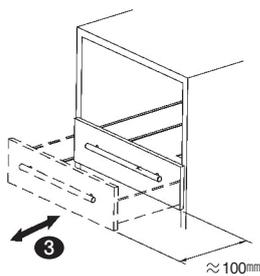
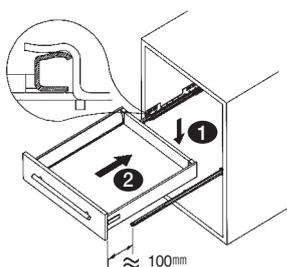
**Front panel adjustment range**

- How to install the front panel in a drawer

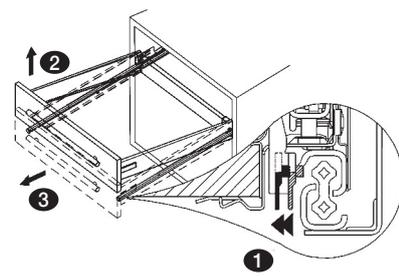


**Gallery Drawer (SM Box-GA)**

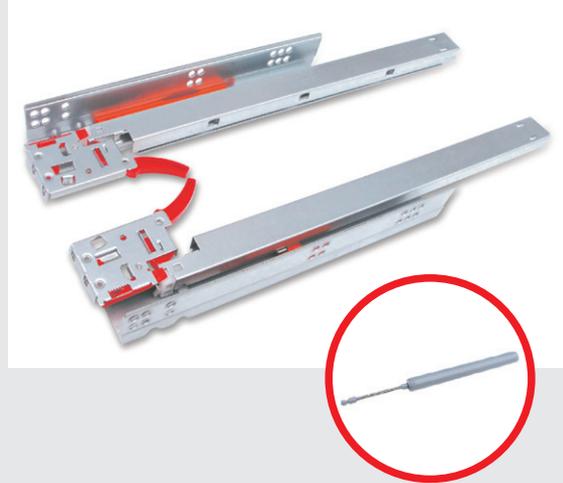
- Assemble case



- Disassemble case

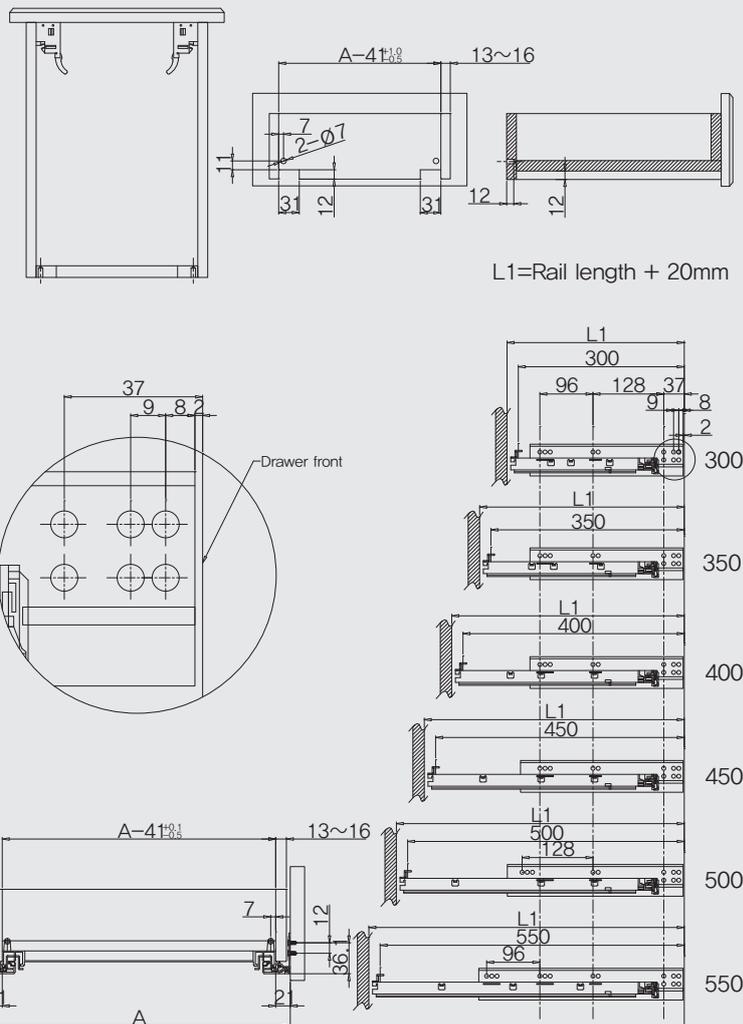


## IREX-UD RAIL



● New Soft Closing Damper

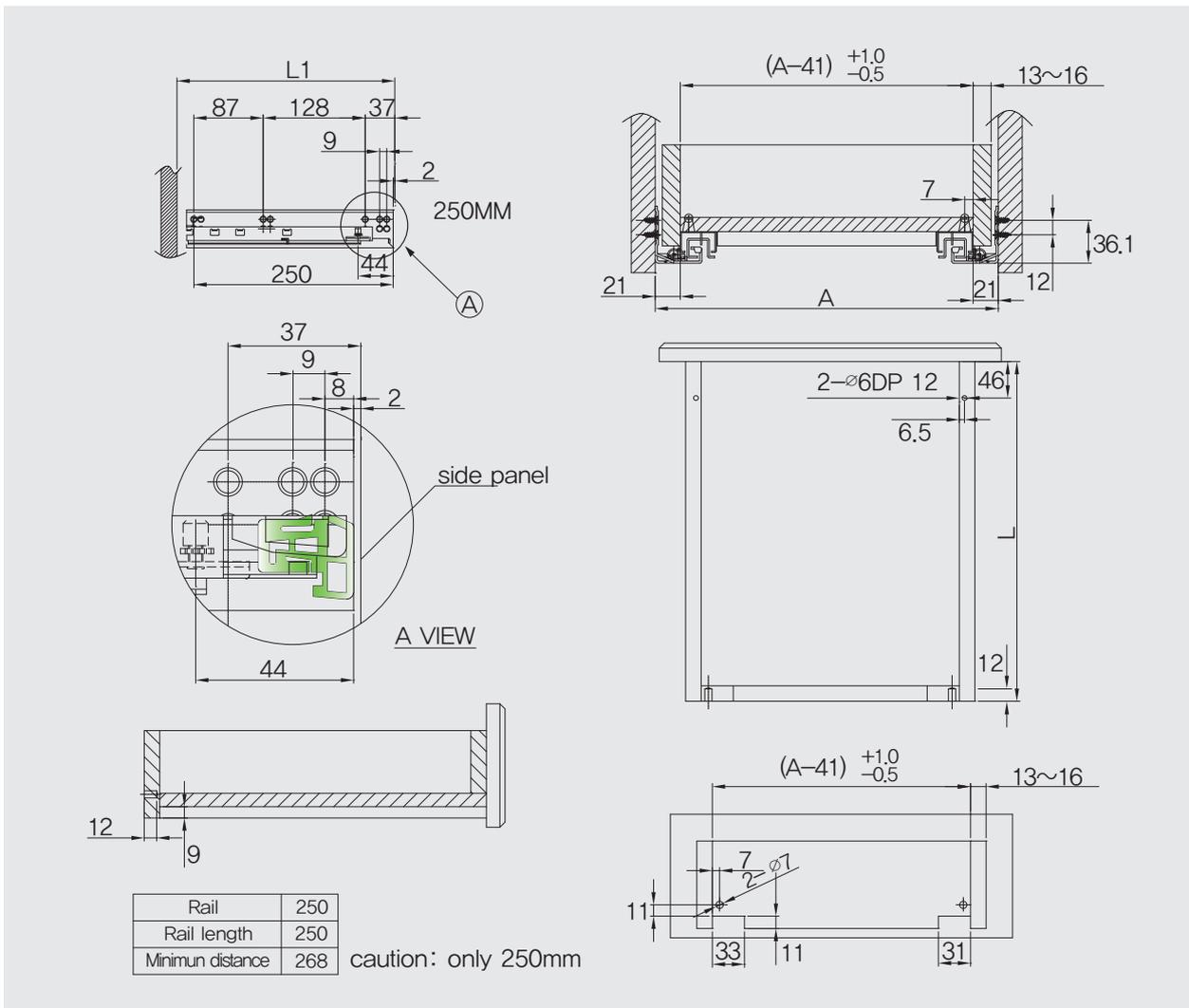
## Installation



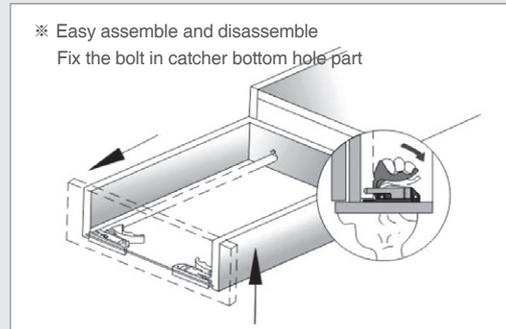
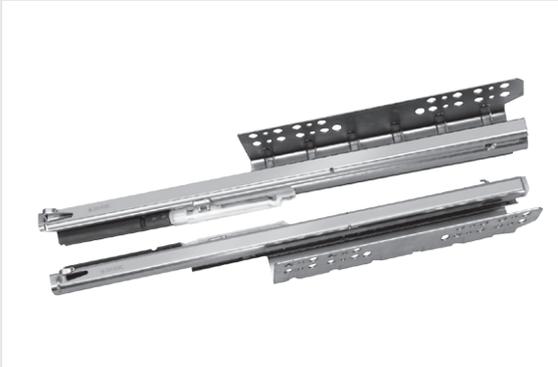
IREX-UD RAIL(250mm only)



Installation



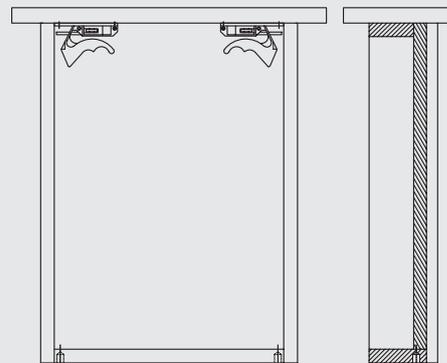
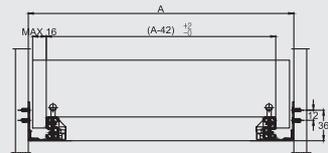
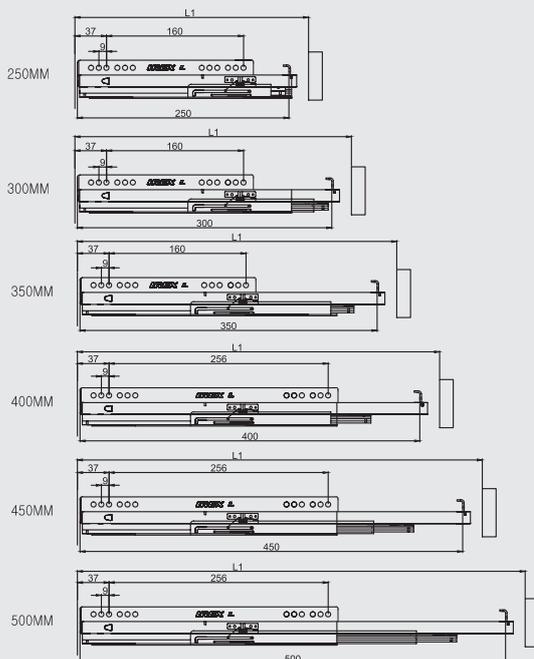
## IR-UD RAIL



Model	Rail	Max loading Capacity	Cabinet length
IR-UD 250	250	30kg	L+20mm
IR-UD 300	300	30kg	L+20mm
IR-UD 350	350	40kg	L+20mm
IR-UD 400	400	40kg	L+20mm
IR-UD 450	450	40kg	L+20mm
IR-UD 500	500	40kg	L+20mm

## Installation

Drawer Size = Rail Size - 2mm  
L1 = Cabinet Size  
L1 = Drawer Size + over 20mm

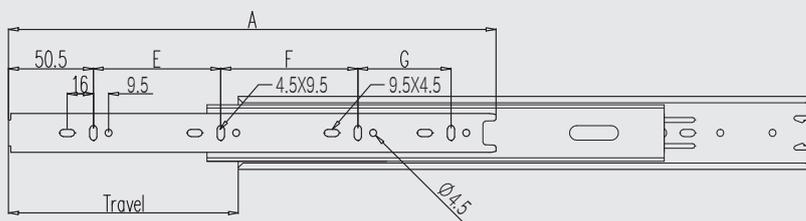
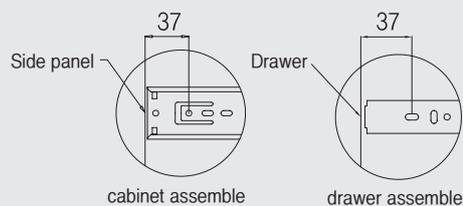
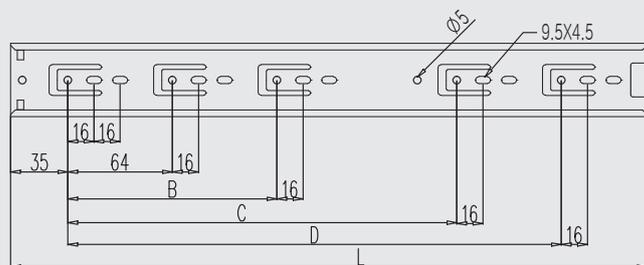


**IREX-BR**

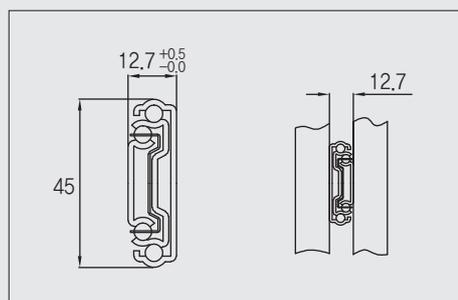


**Installation**

Size : 250mm~500mm(250mm~550mm)



L	Travel	A	B	C	D	E	F	REMARKS
250	255	247.5	160	-	-	160	-	
300	291	297.5	224	-	-	96	128	
350	341	347.5	-	-	224	128	128	
400	391	397.5	224	-	302	128	160	
450	441	447.5	224	352	-	160	192	
500	491	497.5	224	352	-	192	192	
550	541	547.5	224	352	416	224	224	



## IREX-DB



## Installation

Product code	Length of slide A	Travel	B	C	E	F
4505HC-02-350	350	350	160	/	96	160
4505HC-02-400	400	400	224	/	128	160
4505HC-02-450	450	450	224	288	160	192
4505HC-02-500	500	500	224	320	192	192
4505HC-02-550	550	550	224	384	224	224
4505HC-02-600	600	600	256	416	224	256

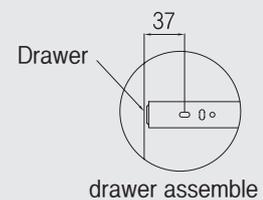
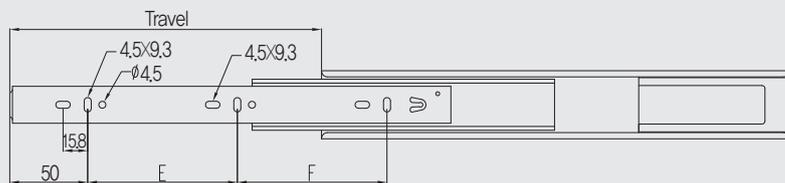
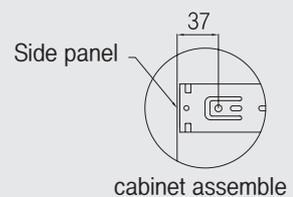
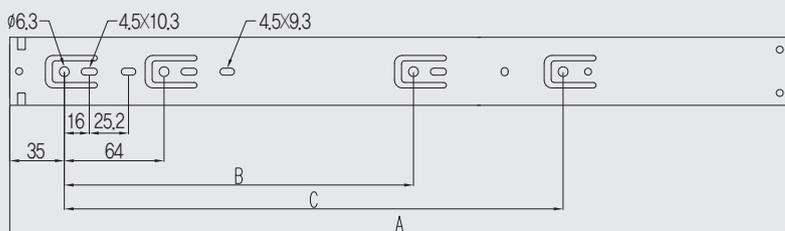
**NEW IREX-DB**



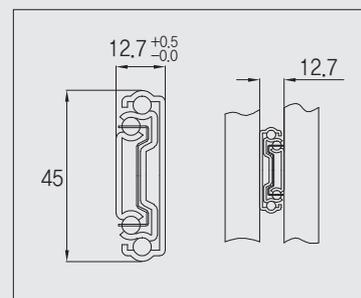
**Installation**

Size : 300mm~600mm(damping 300mm~600mm) - NEW TYPE

※ Caution – carefully fixing the bolt as of dwg.



Product Code	A	Travel	B	C	E	F	REMARKS
4505HC-02-300	300	300	-	-	96	96	
4505HC-02-350	350	350	160	-	96	96	
4505HC-02-400	400	400	224	-	160	128	
4505HC-02-450	450	450	224	-	160	160	
4505HC-02-500	500	500	224	320	224	160	
4505HC-02-550	550	550	224	352	224	192	
4505HC-02-650	600	600	224	384	224	224	



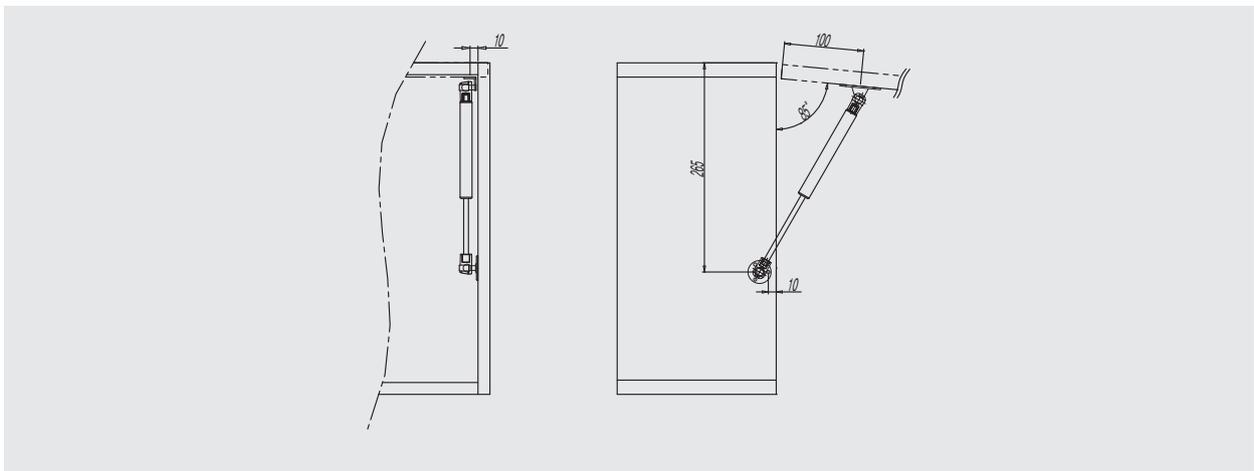


DOOR MDF 18T(S/T)

H \ W	400	500	600	700	800	900	1000
400	40	40	40	40	60	60	80
500	40	40	40	60	60	80	80

GLASS DOOR 5T(S/T)

H \ W	400	500	600	700	800	900	1000
400	40	40	40	60	60	80	80
500	40	40	60	60	80	80	80



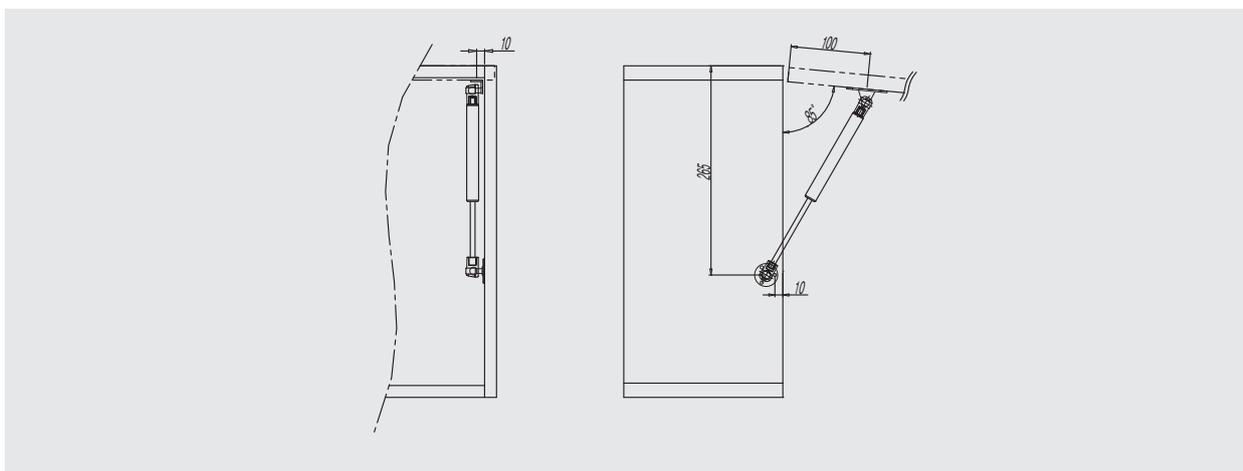


**DOOR MDF 18T**

H \ W	400	500	600	700	800	900	1000
400	40	40	40	40	60	60	80
500	40	40	40	60	60	80	80

**GLASS DOOR 5T**

H \ W	400	500	600	700	800	900	1000
400	40	40	40	60	60	80	80
500	40	40	60	60	80	80	80





**DOOR MDF 18T**

H \ W	400	500	600	700	800	900	1000
400	40	40	40	40	60	60	80
500	40	40	40	60	60	80	80

**DOOR MDF 18T(S/T)**

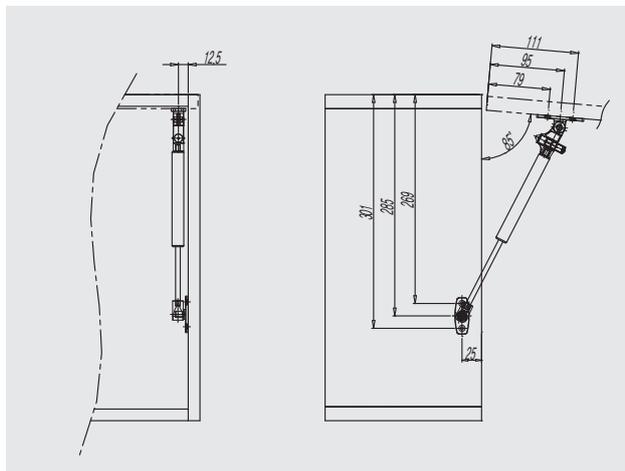
H \ W	400	500	600	700	800	900	1000
400	40	40	40	40	60	60	80
500	40	40	40	60	60	80	80

**GLASS DOOR 5T**

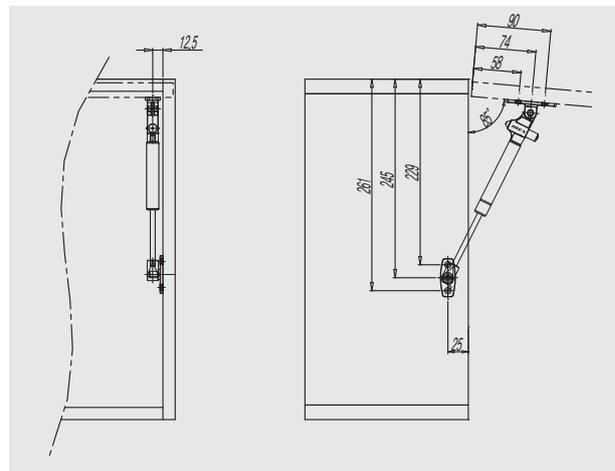
H \ W	400	500	600	700	800	900	1000
400	40	40	40	60	60	80	80
500	40	40	60	60	80	80	80

**GLASS DOOR 5T(S/T)**

H \ W	400	500	600	700	800	900	1000
400	40	40	40	60	60	80	80
500	40	40	60	60	80	80	80

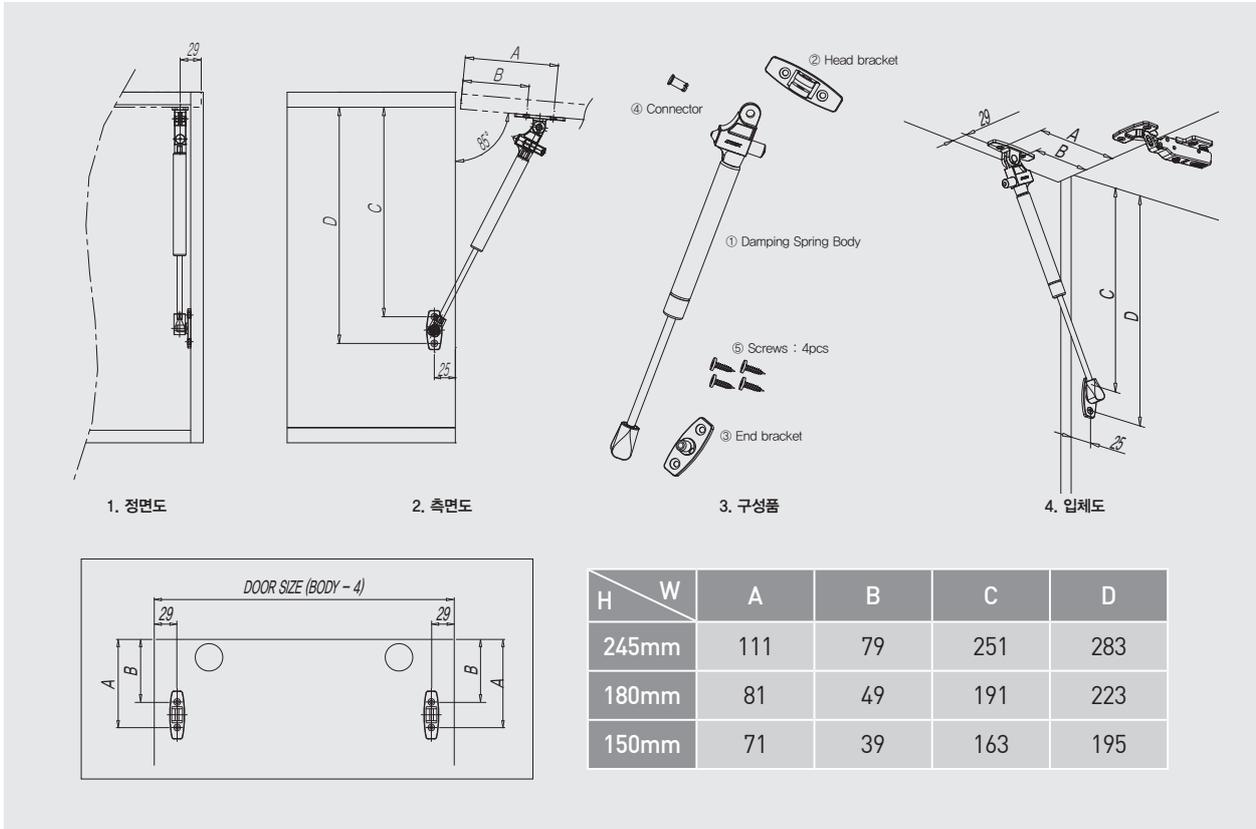


245mm



180mm

DAMPING GAS SRPING INSTALLATION MANUAL



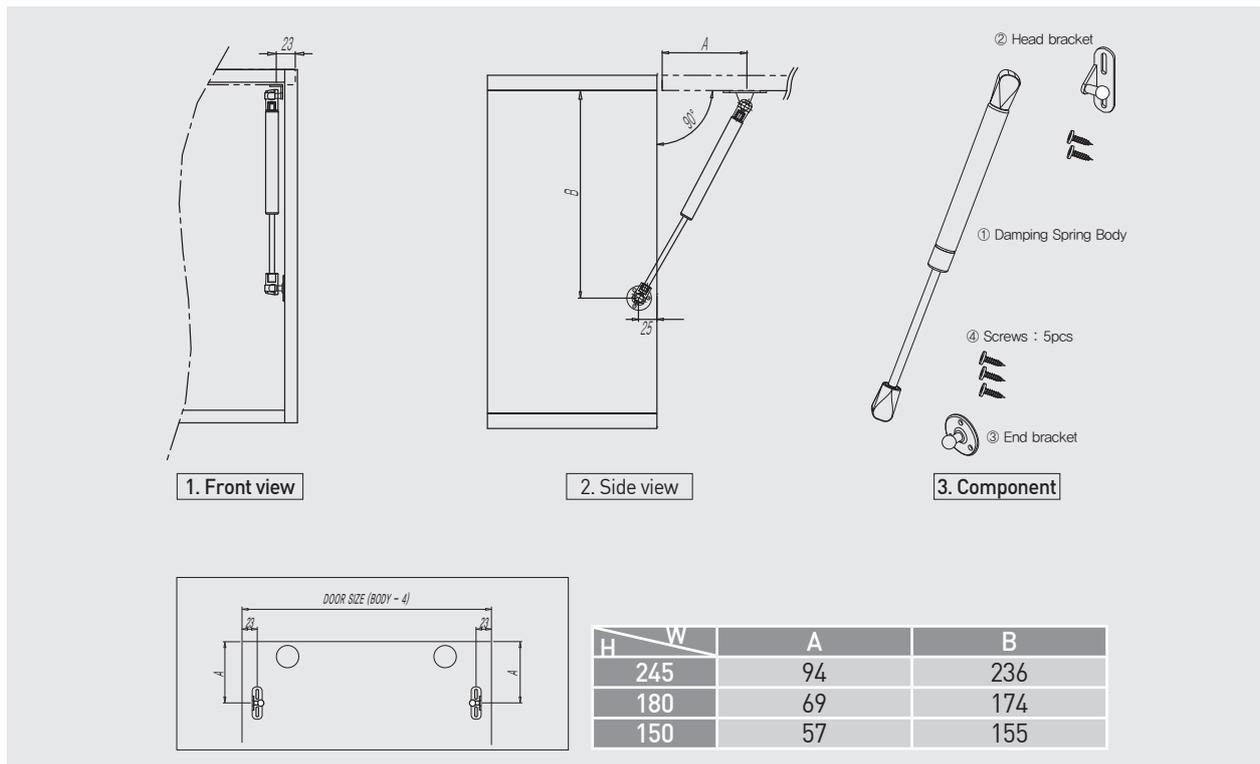
1. 정면도 2. 측면도 3. 구성품 4. 입체도

① Damping Spring Body  
② Head bracket  
③ End bracket  
④ Connector  
⑤ Screws : 4pcs

DOOR SIZE (BODY - 4)

H \ W	A	B	C	D
245mm	111	79	251	283
180mm	81	49	191	223
150mm	71	39	163	195

GAS SPRING INSTALLATION MANUAL



1. Front view 2. Side view 3. Component

① Damping Spring Body  
② Head bracket  
③ End bracket  
④ Screws : 5pcs

DOOR SIZE (BODY - 4)

H \ W	A	B
245	94	236
180	69	174
150	57	155

## Gas Spring Table

### DOOR MDF 18T

H \ W	400	500	600	700	800	900	1000	1100	1200
400	40	40	40	60	60	80	80	100	100
500	40	40	60	60	80	80	100	100	120

### DOOR MDF 18T (S/T)

H \ W	400	500	600	700	800	900	1000	1100	1200
400	40	40	40	60	60	80	80	100	120
500	40	40	60	60	80	80	100	120	120

### GLASS DOOR 5T

H \ W	400	500	600	700	800	900	1000	1100	1200
400	40	40	60	60	80	80	100	100	100
500	40	60	60	80	80	100	100	100	120

### GLASS DOOR 5T (S/T)

H \ W	400	500	600	700	800	900	1000	1100	1200
400	40	40	60	60	80	80	100	100	120
500	40	60	60	80	80	100	100	120	120

### DOOR 무게별 조건표

H \ Kg	2Kg	2.5Kg	3Kg	3.5Kg	4Kg	4.5Kg	5Kg	5.5Kg	6Kg
400	40	40	60	60	80	80	100	100	120
500	40	60	60	80	80	100	100	120	120

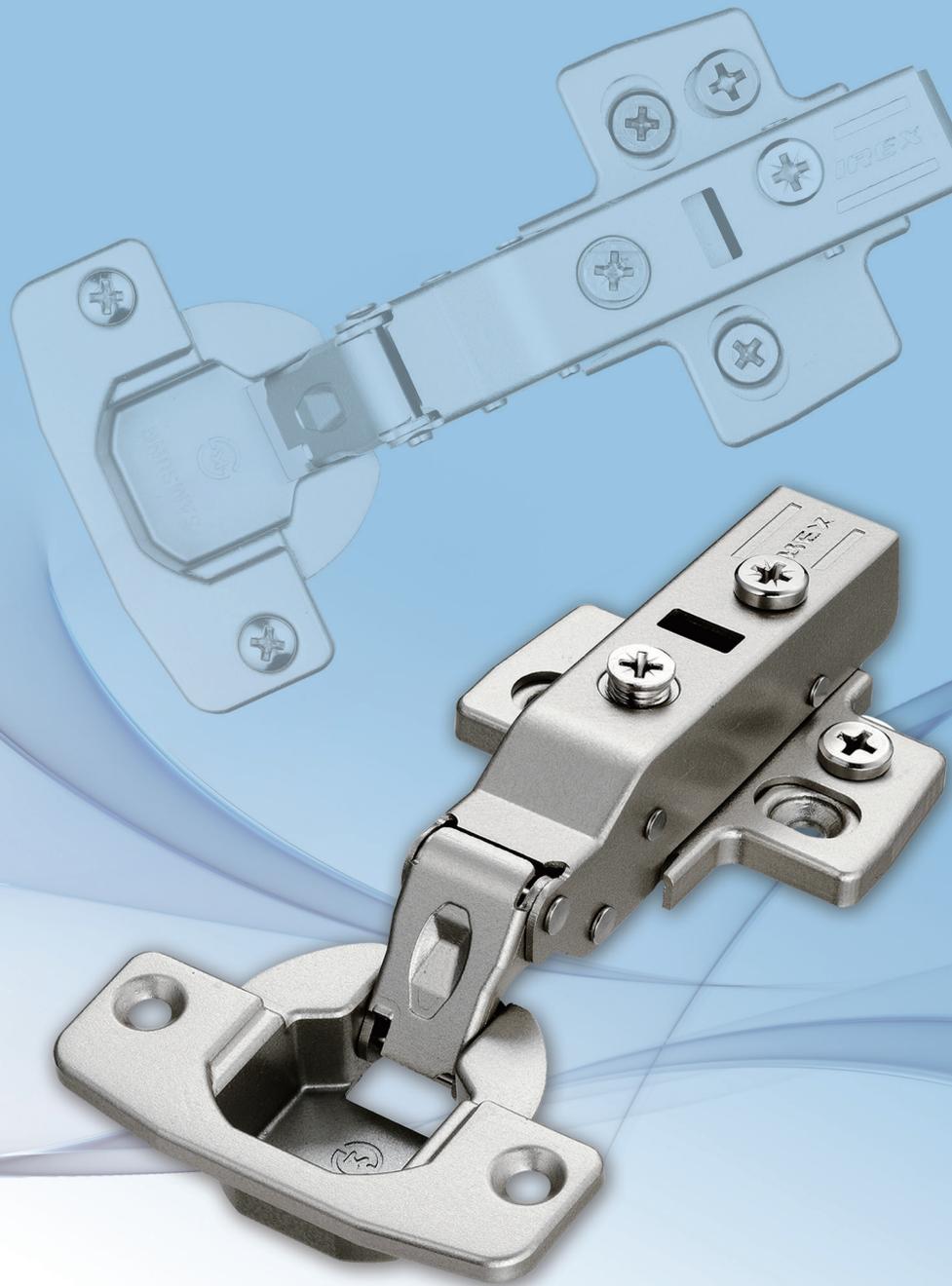
※ ST / 일반 공용의 조건표 입니다.

※ DOOR의 재질(무게), 제조공법에 따라 차이가 날 수 있습니다.

## MEMO

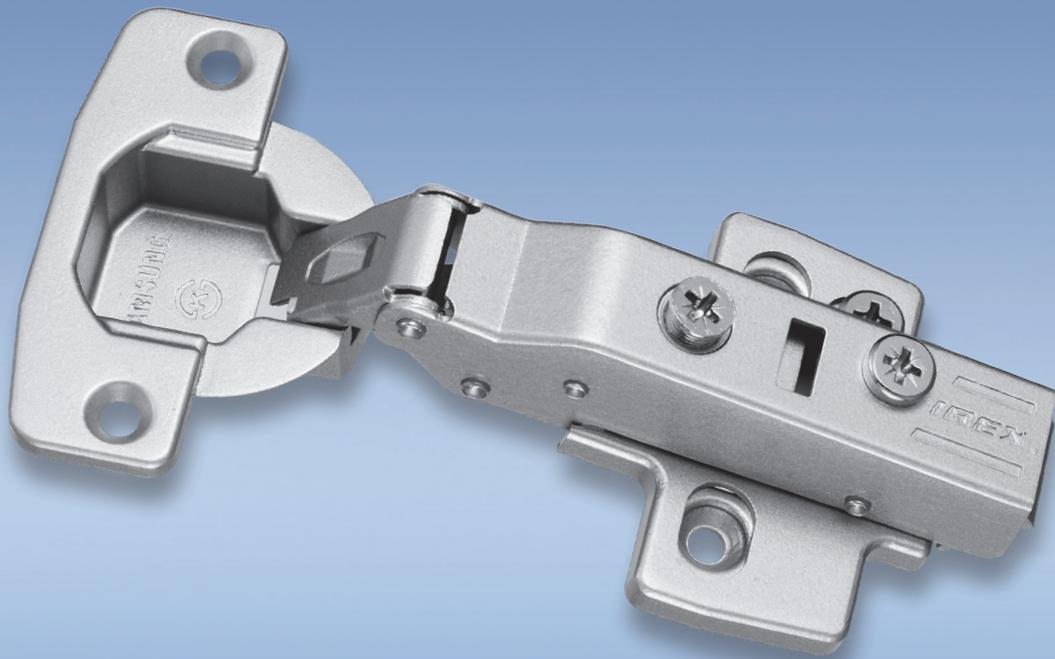
## 1775D CONCEALED HINGE

-  World Best durability hinge
-  Advanced damping mechanism
-  Easy Adjustment
-  Innovative designs



**World Best Soft Closing System Hinge** 1775D

# SAMSUNG HARDWARE



**IREX**

**SAMSUNG PRECISION IND. CO., LTD.**

<http://www.irex.co.kr>

Head office & Factory : 167, Bongsu-daero, Seo-gu, Incheon, Korea

TEL : +82-32-814-9200 FAX : +82-32-577-3366

E-mail : Overseas: [jhonkim@irex.co.kr](mailto:jhonkim@irex.co.kr)

E-mail : Domestic: [irex@irex.co.kr](mailto:irex@irex.co.kr)