



## NEXIS AND NEXIS IMPRESSO



### NEXIS AND NEXIS IMPRESSO HINGE SYSTEMS

Our versatile hinge systems offer added value through a number of design solutions, proven technology, functionality and operating comfort.





# Grass Nexis Impresso and Nexis hinges



Innovation offering the most advanced hinge system available for cabinetry



## Nexis Impresso –

### Quick, simple and reliable hardware without tools.

The Nexis Impresso hinge series is designed to assemble quickly and easily without tools. This is especially useful in cabinetry that is flat-packed and shipped unassembled with pre-drilled doors. The Nexis Impresso hinge can be installed quickly and accurately on site. Simply insert the Nexis Impresso hinge into the bored door and close the hinge flap to engage. The hinge sits firmly and securely in the door and does not allow for twisting due to a 3 point connection of the hinge cup to the door. The Nexis Impresso is perfect for door material such as particle board, solid wood, and MDF board.

### Hinge cup with 'combination' drilling pattern.

All Impresso hinges are offered in a combination drilling pattern. Available combinations include a 42mm/45mm pattern and a 45mm/48mm pattern. Any Nexis Impresso hinge cup is suitable for at least two drilling patterns and covers all boring patterns offered in today's market.



## Nexis –

### Proven technology makes Nexis the classic choice among hinge systems.

The Nexis hinges series offers added value through a number of design solutions that will meet any application requirements whether it be frame or frameless. Choose from hinge opening angles ranging from 95° to 170° and from hinges designed for special applications such as negative angle and pie cut corner applications.

The Nexis series is available in a screw-on or dowelled version and is offered in a 42mm, 45mm, and 48mm boring pattern. The Nexis base plates offer cam adjustment, 3 point fixing, screw-on or Euro screw versions for frame and frameless cabinetry. The plates mount easily in a user friendly snap-on method. Just one push connects the hinge to the plate.

















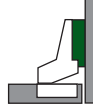

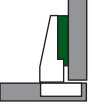
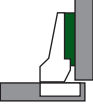
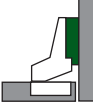




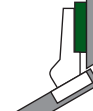


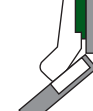
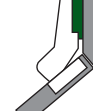


### Add a touch of innovation with the unique Soft-close® controlled closing device to bring a calming quiet to closing doors.

During the closing action, the Soft-close creates a cushion that controls and slows the door to a gentle stop. The Soft-close device attaches easily without tools for a simple installation.



# Grass Nexis Impresso and Nexis Hinge Series










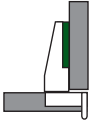



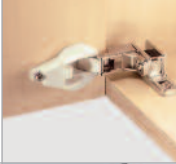


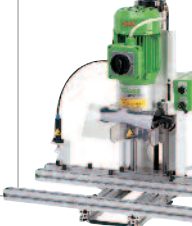
## Table of Content

Opening angle	Drill hole	Description	Full overlay	Half overlay	Inset	Page
		<b>Technical Information</b>				7
<b>110°</b>	 35 mm	<b>Nexis Impresso 110</b> <b>Nexis 110</b> <ul style="list-style-type: none"><li>• For standard doors</li><li>• Soft-close compatible</li></ul>			<b>100°</b> 	10
<b>125°</b>	 35 mm	<b>Nexis Impresso 125</b> <b>Nexis 125</b> <ul style="list-style-type: none"><li>• For standard doors</li><li>• Soft-close compatible</li></ul>				12
<b>170°</b>	 35 mm	<b>Nexis Impresso 170</b> <b>Nexis 170</b> <ul style="list-style-type: none"><li>• Wide-angle hinge with Zero protrusion</li><li>• Soft-close compatible</li></ul>				14
<b>95°</b>	 35 mm	<b>Nexis Impresso 95</b> <b>Nexis 95</b> <ul style="list-style-type: none"><li>• Designed for profile doors or thicker doors</li><li>• Soft-close compatible</li></ul>				16
<b>95°</b>	 40 mm	<b>Nexis 95/40</b> <ul style="list-style-type: none"><li>• Designed for profile doors</li><li>• For thick doors up to 35 mm thickness</li><li>• Excellent load-bearing capacity</li></ul>				18
<b>95°</b>	 35 mm	<b>Nexis Impresso 95/+20°</b> <b>Nexis 95/+20°</b> <ul style="list-style-type: none"><li>• For +20° angle corner cabinet</li><li>• Soft-close compatible</li></ul>				20
<b>95°</b>	 35 mm	<b>Nexis Impresso 95/+30°</b> <b>Nexis 95/+30°</b> <ul style="list-style-type: none"><li>• For +30° angle corner cabinet</li><li>• Soft-close compatible</li></ul>				22
<b>95°</b>	 35 mm	<b>Nexis Impresso 95/+45°</b> <b>Nexis 95/+45°</b> <ul style="list-style-type: none"><li>• For +45° angle corner cabinet</li><li>• Soft-close compatible</li></ul>				24
<b>95°</b>	 35 mm	<b>Nexis 95/+45°</b> <ul style="list-style-type: none"><li>• For +45° angle corner cabinet, half overlay</li><li>• Soft-close compatible</li></ul>				26

Opening angle	Drill hole	Description	full overlay	half overlay	inset	Page
125°	 35 mm	<b>Nexis Impresso 125/-14°</b> <b>Nexis 125/-14°</b> <ul style="list-style-type: none"><li>• For negative 14° angle corner cabinet</li><li>• Soft-close compatible</li></ul>				28
125°	 35 mm	<b>Nexis Impresso 125/-24°</b> <b>Nexis 125/-24°</b> <ul style="list-style-type: none"><li>• For negative 24° angle corner cabinet</li></ul>				30
125°	 35 mm	<b>Nexis Impresso 125/-45°</b> <b>Nexis 125/-45°</b> <ul style="list-style-type: none"><li>• For negative 45° angle corner cabinet</li></ul>				32
95°	 35 mm	<b>Nexis Impresso 95/90°</b> <b>Nexis 95/90°</b> <ul style="list-style-type: none"><li>• For blind corner application</li><li>• Soft-close compatible</li></ul>				34
110°	 35 mm	<b>Nexis PCC</b> <ul style="list-style-type: none"><li>• For Pie-cut corner application</li><li>• For door thicknesses 16 to 22 mm</li></ul>				36
110°	 35 mm	<b>Nexis 21 PCC</b> <ul style="list-style-type: none"><li>• For pie-cut corner application</li><li>• For door thicknesses 14 to 24 mm</li></ul>				38
95°	 26 mm	<b>Nexis 17 GL</b> <ul style="list-style-type: none"><li>• For glass door application</li><li>• For glass thicknesses 4 to 6 mm</li></ul>				40
95°		<b>Nexis 17 Flexible</b> <ul style="list-style-type: none"><li>• Aluminum frame hinge</li><li>• Eccentric cam fixing</li></ul>				42
		<b>Nexis base plates</b> <ul style="list-style-type: none"><li>• For Nexis Impresso and Nexis hinges</li></ul>				44

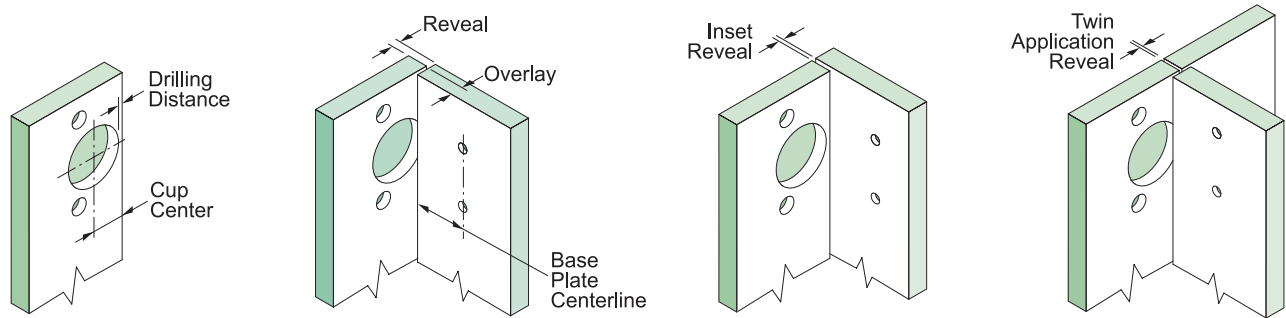
# Grass Nexis Impresso and Nexis Hinge Series

## Table of Content

Opening angle	Drill hole	Description	Full overlay	Half overlay	Inset	Page
		<b>Soft-close for Nexis Impresso and Nexis UniSoft Flushmount</b>				48
		<b>Tipmatic Plus Tipmatic</b>				56
90°	 35 mm	<b>Institutional hinge</b> <ul style="list-style-type: none"><li>• For side panel thicknesses of 19 mm [<math>\frac{3}{4}</math>"]</li></ul>				64
		<b>illuxo</b> <ul style="list-style-type: none"><li>• Light system</li><li>• For Nexis hinges</li></ul>				68
270°	 35 mm	<b>Nexis Slide-on 73 Institutional hinge</b> <ul style="list-style-type: none"><li>• For door thicknesses 15 to 21 mm</li><li>• With wide-angle opening</li></ul>				70
90°	 35 mm	<b>Glass door hinges</b> <ul style="list-style-type: none"><li>• No bore glass door</li><li>• Compact glass door</li></ul>				72-73
90°	 35 mm	<b>Tri-view-mirror hinge</b> <ul style="list-style-type: none"><li>• For medicine cabinets</li></ul>				74
90°	 35 mm	<b>Flap hinge</b> <ul style="list-style-type: none"><li>• For flap thickness up to 20 mm</li><li>• 3-dimensional adjustment</li></ul>				75
		<b>Machinery</b> <ul style="list-style-type: none"><li>• M2500</li><li>• M850</li><li>• Ecopress</li></ul>				76-79

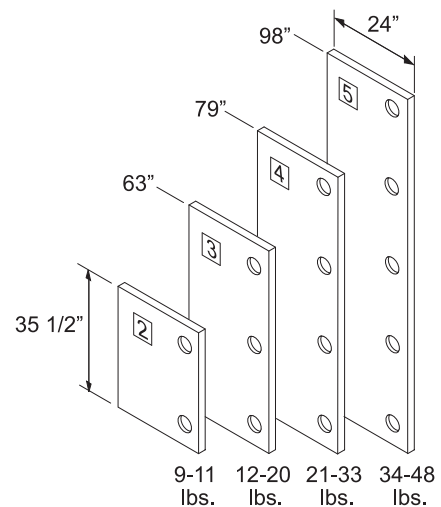
# Technical information

for Nexis Impresso and Nexis hinges



## Number of hinges per door

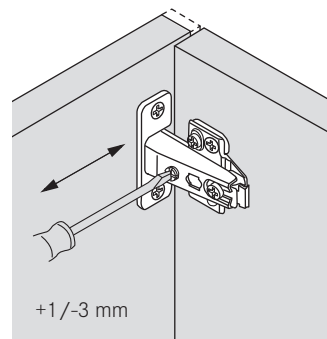
The number of hinges required depends on the size and weight of the door. The distance between the hinges should be spaced as wide as possible. Use the diagram to determine the number of hinges needed. These recommendations are for doors without any accessory attachments.



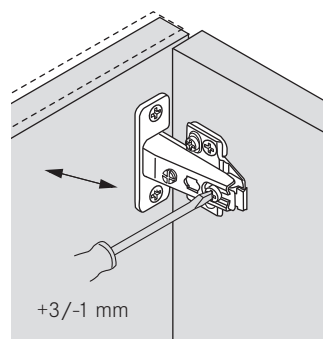
## Adjustments

The options for height adjustment depend on the type of base plate. All adjustments can be made independent of one another.

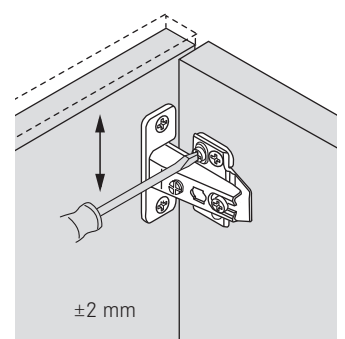
For depth adjustment, select base plates have cam adjustment access through the hinge arm.



Side adjustment



Depth adjustment



Height adjustment

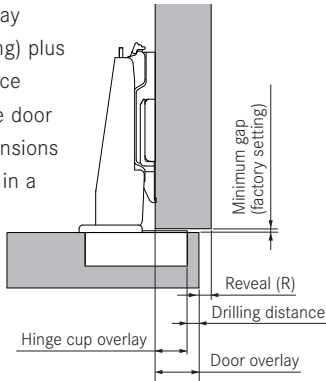
# Technical information

## for Nexis Impresso and Nexis hinges

### Door positions

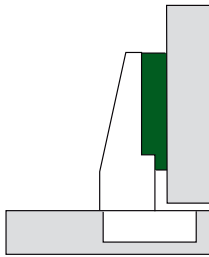
#### Full overlay (Cranking 00)

The cup overlay (factory setting) plus drilling distance determine the door overlay. Dimensions can be found in a table on the respective page of the catalog.

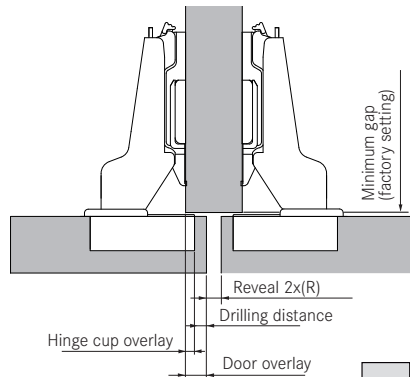


#### Full overlay

Using a hinge with a cranking of 00 and base plate height 00.

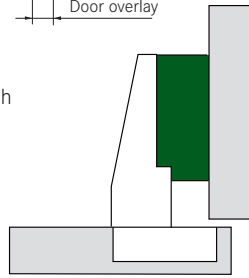


#### Half overlay (Cranking 08)



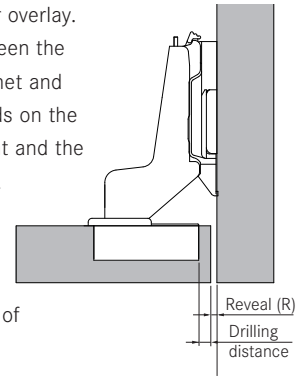
#### Half overlay

Using a hinge with a cranking of 00 and base plate height 08.



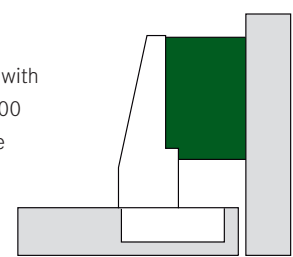
#### Inset (Cranking 15)

There is no door overlay. The reveal between the side of the cabinet and the door depends on the base plate height and the drilling distance. Dimensions can be found in a table on the respective page of the catalog.



#### Inset

Using a hinge with a cranking of 00 and base plate height 18.



### Reveal

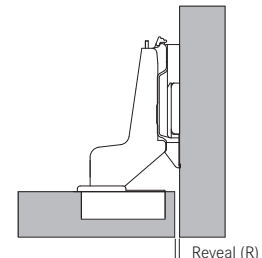
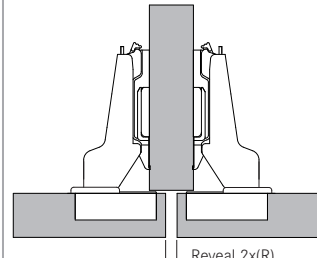
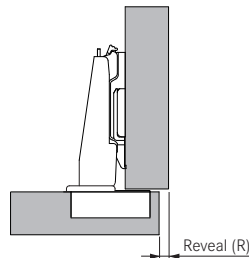
#### Full overlay door

#### Half overlay door

#### Inset door

The **reveal (R)** is the distance required between two doors or between the door and side wall of the cabinet to allow sufficient space for opening the door. The required reveal width (R) depends on the thickness of the door.

Most cabinet makers prefer a reveal (R) of between 3 mm and 6 mm.



### Reveal for overlay and half overlay door

The table shows the reveal necessary between two doors or between door and side wall to allow enough space for opening the door.

#### Example:

For a door thickness of 18 mm and a drilling distance of 6 mm, a gap of 0.2 mm is needed.

	Drilling distance (DD)								
	3	4	5	6					
16	0.1	0.1	0.1	0.1					
18	0.2	0.2	0.2	0.2					
19	0.3	0.3	0.3	0.3					
20	0.4	0.4	0.4	0.4					
22	0.7	0.7	0.7	0.7					
24	1.0	1.0	1.0	1.0					
26	1.4	1.4	1.4	1.4					
28	1.9	1.9	1.9	1.9					
30	3.8	2.9	2.6	2.5					
Door thickness (DT)									
	Reveal min. (R)								

### Reveal for inset door

The table shows the minimum reveal for an inset door, depending on the drilling distance and base plate height.

#### Example:

A drilling distance of 4 mm results from using a base plate with height 04 in a reveal of 2 mm.

	Drilling distance (DD)								
	3	4	5	6					
0		2		4					
1	2		4						
2		4							
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
Minimum Reveal (R)									
	Base Plate Height (BPH)								

**Note**  
Reveal dimensions were determined with a door edge radius of 1 mm. Hinge dimensions and calculation of gap with factory setting.

### IMPORTANT

To determine the correct application Grass strongly recommends a trial mounting for all hinges and base plates.



# Technical information

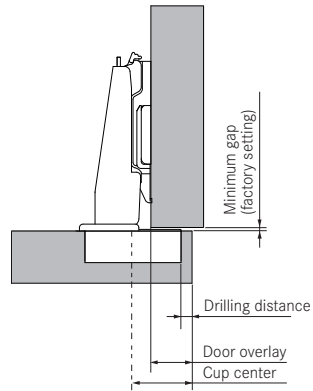
## for Nexis Impresso and Nexis hinges

### Minimum gap – drilling distance

The **minimum gap** is the gap between the closed door and the front of the cabinet.

The **drilling distance** is the distance between the edge of the door and the edge of the cup hole.

The **cup center** is the distance of the cup drilling distance plus 1/2 of the cup diameter.

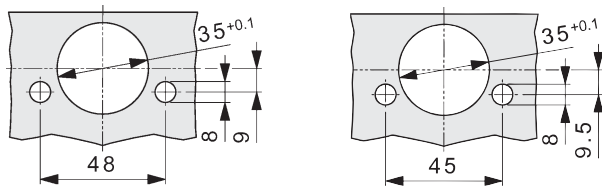


Drilling Distance DD		Cup Center CC	
$\frac{1}{8}"$	3	$\frac{13}{16}"$	20.5
$\frac{5}{32}"$	4	$\frac{27}{32}"$	21.5
$\frac{3}{16}"$	5	$\frac{7}{8}"$	22.5
$\frac{1}{4}"$	6	$\frac{15}{16}"$	23.5
$\frac{9}{32}"$	7	$\frac{31}{32}"$	24.5
$\frac{5}{16}"$	8	1"	25.5

### Nexis Impresso Drilling Patterns

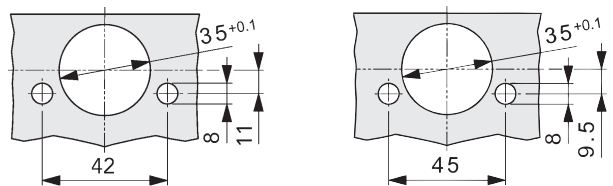
#### Pattern 45 and 48

**Impresso 45/48** hinges accommodate cup drilling patterns of both 45mm and 48mm.



#### Pattern 42 and 45

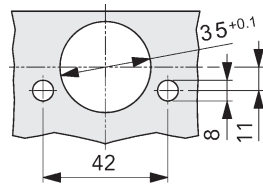
**Impresso 42/45** hinges accommodate cup drilling patterns of both 42mm and 45mm.



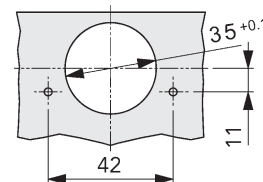
### Nexis Drilling Patterns

#### Pattern 42

**Dowelled**

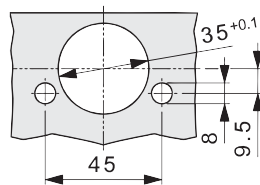


**Screw-on**

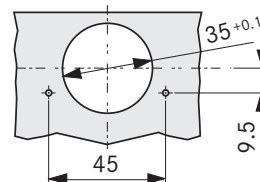


#### Pattern 45

**Dowelled**

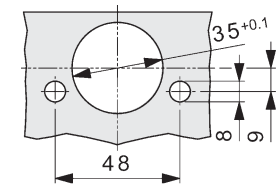


**Screw-on**

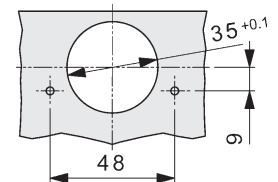


#### Pattern 48

**Dowelled**



**Screw-on**



# Nexis Impresso 110, Nexis 110

## 110° hinge for standard doors

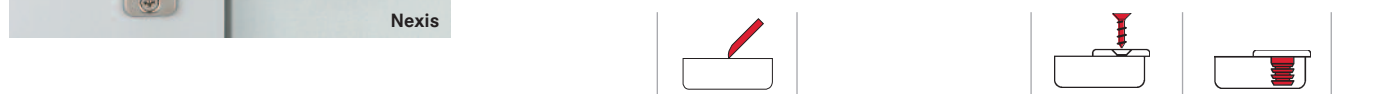
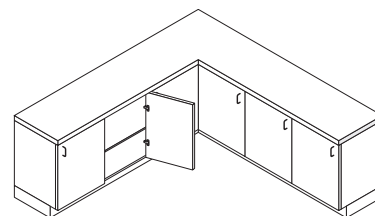



Nexis Impresso




Nexis


- 3-dimensional adjustment with suitable base plate
- Soft-close compatible
- Shallow cup depth
  - Nexis Impresso 11.5 mm
  - Nexis 11 mm
- Accommodates overlays up to 20mm [25/32"]
- Self-close or free-swing hinges available
- For face frame and frameless cabinets
- Combination drilling pattern for Nexis Impresso



Full overlay		Cranking 00		Opening angle 110°		Impresso		Screw-on		Dowelled	
	<b>Nexis Impresso:</b> Hinge cup: diecast, nickel-plated Hinge arm: steel, nickel-plated  <b>Nexis :</b> Hinge cup: steel, nickel-plated Hinge arm: steel, nickel-plated	Pattern	Type	Item No.	PU	Pattern	Type	Item No.	Item No.	PU	
		42/45	Self-close	138.622.50.0015	125	42	Self-close	138.322.73.0015	138.322.74.0015	250	
		45/48	Self-close	146.622.35.0015		45	Self-close	148.322.53.0015	148.322.54.0015		
						48	Free-swing	147.322.53.0015	147.322.54.0015		
							48	Self-close	146.322.53.0015	146.322.54.0015	

Cover caps for cranking 00					Item No.	PU
					514.300.21.0215	1000
					514.000.22.9662	1000
Imprinting available upon special request.						

Half overlay	Cranking 08	Opening angle 110°	Impresso				Screw-on			Dowelled	
	<b>Nexis Impresso:</b> Hinge cup: diecast, nickel-plated Hinge arm: steel, nickel-plated  <b>Nexis :</b> Hinge cup: steel, nickel-plated Hinge arm: steel, nickel-plated	Pattern	Type	Item No.	PU	Pattern	Type	Item No.	Item No.	PU	
		42/45	Self-close	138.622.50.0815	125	42	Self-close	138.322.73.0815	138.322.74.0815	250	
		45/48	Self-close	146.622.35.0815		45	Self-close	148.322.53.0815	148.322.54.0815		
						45	Free-swing	147.322.53.0815	147.322.54.0815		
						48	Self-close	146.322.53.0815	146.322.54.0815		

Inset		Cranking 15		Opening angle 100°		Impresso		Screw-on		Dowelled	
	<b>Nexis Impresso:</b> Hinge cup: diecast, nickel-plated Hinge arm: steel, nickel-plated  <b>Nexis :</b> Hinge cup: steel, nickel-plated Hinge arm: steel, nickel-plated	Pattern	Type	Item No.	PU	Pattern	Type	Item No.	Item No.	PU	
		42/45	Self-close	138.604.51.1515	125	42	Self-close	138.304.73.1515	138.304.74.1515	250	
		45/48	Self-close	146.604.50.1515		45	Self-close	148.304.53.1515	148.304.54.1515		
						Free-swing	147.304.53.1515	147.304.54.1515			
						48	Self-close	146.304.55.1515	146.304.56.1515		

Cover caps for cranking 08 and 15					Item No.	PU
					514.300.22.0015	1000
					514.000.22.9662	1000
Imprinting available upon special request.						

Opening angle reduction clip to 85°				Item No.	PU
				641.000.10.9862	1000
Prevents doors from bumping fronts or walls in corner installations. Black plastic					

PU = packaging unit

Full overlay	Half overlay	Inset																																																																																																																																																																																																																																																																														
<p>Drawings show Nexis with a base plate, height 02.</p> <p><b>Drilling distance (DD)</b></p> <table> <tr> <th></th><th>*3</th><th>4</th><th>5</th><th>6</th><th>7</th><th></th><th></th><th></th><th></th></tr> <tr> <td>20</td><td></td><td></td><td></td><td></td><td>0</td><td></td><td></td><td></td><td></td></tr> <tr> <td>19</td><td></td><td></td><td></td><td>0</td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>18</td><td></td><td></td><td>0</td><td></td><td>2</td><td></td><td></td><td></td><td></td></tr> <tr> <td>17</td><td></td><td>0</td><td></td><td>2</td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>16</td><td>0</td><td></td><td>2</td><td></td><td>4</td><td></td><td></td><td></td><td></td></tr> <tr> <td>15</td><td></td><td>2</td><td></td><td>4</td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>14</td><td>2</td><td></td><td>4</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>13</td><td></td><td>4</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>12</td><td>4</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>Base Plate Height (BPH)</td></tr> </table> <p>Door overlay max.</p>		*3	4	5	6	7					20					0					19				0						18			0		2					17		0		2						16	0		2		4					15		2		4						14	2		4							13		4								12	4																		Base Plate Height (BPH)	<p>Drawings show Nexis with a base plate, height 02.</p> <p><b>Drilling distance (DD)</b></p> <table> <tr> <th></th><th>*3</th><th>4</th><th>5</th><th>6</th><th>7</th><th></th><th></th><th></th><th></th></tr> <tr> <td>12</td><td></td><td></td><td></td><td></td><td>0</td><td></td><td></td><td></td><td></td></tr> <tr> <td>11</td><td></td><td></td><td></td><td>0</td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>10</td><td></td><td></td><td>0</td><td></td><td>2</td><td></td><td></td><td></td><td></td></tr> <tr> <td>9</td><td></td><td>0</td><td></td><td>2</td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>8</td><td>0</td><td></td><td>2</td><td></td><td>4</td><td></td><td></td><td></td><td></td></tr> <tr> <td>7</td><td></td><td>2</td><td></td><td>4</td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>6</td><td>2</td><td></td><td>4</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>5</td><td></td><td>4</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>4</td><td>4</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>Base Plate Height (BPH)</td></tr> </table> <p>Door overlay max.</p>		*3	4	5	6	7					12					0					11				0						10			0		2					9		0		2						8	0		2		4					7		2		4						6	2		4							5		4								4	4																		Base Plate Height (BPH)	<p>Drawings show Nexis with a base plate, height 04.</p> <p><b>Drilling distance (DD)</b></p> <table> <tr> <th></th><th>*3</th><th>4</th><th>5</th><th>6</th><th></th><th></th><th></th><th></th><th></th></tr> <tr> <td>0</td><td></td><td>2</td><td></td><td>4</td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>1</td><td>2</td><td></td><td>4</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>2</td><td></td><td>4</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>Base Plate Height (BPH)</td></tr> </table> <p>Reveal min. (R)</p> <p><math>X = 38.5 + DT</math></p> <p>*3 mm drilling distance for Nexis only</p>		*3	4	5	6						0		2		4						1	2		4							2		4																	Base Plate Height (BPH)
	*3	4	5	6	7																																																																																																																																																																																																																																																																											
20					0																																																																																																																																																																																																																																																																											
19				0																																																																																																																																																																																																																																																																												
18			0		2																																																																																																																																																																																																																																																																											
17		0		2																																																																																																																																																																																																																																																																												
16	0		2		4																																																																																																																																																																																																																																																																											
15		2		4																																																																																																																																																																																																																																																																												
14	2		4																																																																																																																																																																																																																																																																													
13		4																																																																																																																																																																																																																																																																														
12	4																																																																																																																																																																																																																																																																															
									Base Plate Height (BPH)																																																																																																																																																																																																																																																																							
	*3	4	5	6	7																																																																																																																																																																																																																																																																											
12					0																																																																																																																																																																																																																																																																											
11				0																																																																																																																																																																																																																																																																												
10			0		2																																																																																																																																																																																																																																																																											
9		0		2																																																																																																																																																																																																																																																																												
8	0		2		4																																																																																																																																																																																																																																																																											
7		2		4																																																																																																																																																																																																																																																																												
6	2		4																																																																																																																																																																																																																																																																													
5		4																																																																																																																																																																																																																																																																														
4	4																																																																																																																																																																																																																																																																															
									Base Plate Height (BPH)																																																																																																																																																																																																																																																																							
	*3	4	5	6																																																																																																																																																																																																																																																																												
0		2		4																																																																																																																																																																																																																																																																												
1	2		4																																																																																																																																																																																																																																																																													
2		4																																																																																																																																																																																																																																																																														
									Base Plate Height (BPH)																																																																																																																																																																																																																																																																							

Minimum gaps

The minimum gap is the gap between the closed door and the front of the cabinet.

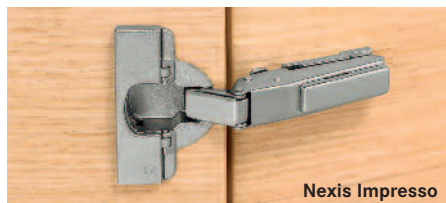
Drilling distance (DD)

	*3	4	5	6	7		
16	0.5	0.6	1.6	2.6	3.6		
18	0.5	1.2	2.2	3.2	4.2		
19	0.5	1.5	2.5	3.5	4.5		
20	0.8	1.8	2.8	3.8	4.8		
22	1.4	2.4	3.4	4.4	5.4		

Adjustment	Cup dimensions
<p>Height adjustment ±2 mm</p> <p>Side adjustment +1/-3 mm</p> <p>Depth adjustment +3/-1 mm</p>	<p><b>Nexis Impresso</b></p> <p><b>Nexis</b></p>
<p>Soft-close/UniSoft Page 48</p> <p>Tipmatic Page 56</p>	<p>Base plates Page 44</p> <p>Technical Information Page 7</p>

# Nexis Impresso 125, Nexis 125

## 125° hinge for standard doors

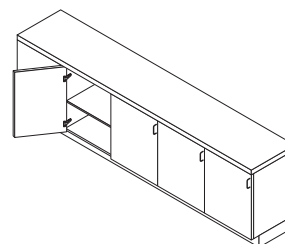


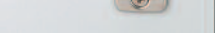
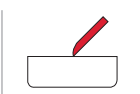
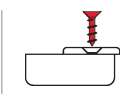

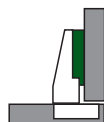


Nexis Impresso

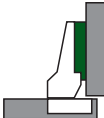




Nexis

- 3-dimensional adjustment with suitable base plate
- Soft-close compatible
- Accommodates overlays up to 19mm [3/4"]
- For door thickness up to 19 mm
- Alternative solution for wide angle application
- Self-close hinges available
- For face frame and frameless cabinets
- Combination drilling pattern for Nexis Impresso

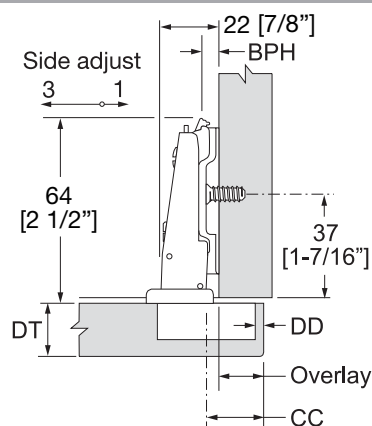


											
Full overlay		Cranking 00	Opening angle 125°		Impresso			Screw-on		Dowelled	
	<b>Nexis Impresso:</b> Hinge cup: diecast, nickel-plated Hinge arm: steel, nickel-plated		Pattern	Type	Item No.	PU	Pattern	Type	Item No.	Item No.	PU
			42/45	Self-close	138.629.50.0015	125	42	Self-close	138.329.73.0015	138.329.74.0015	250
			45/48	Self-close	146.629.35.0015		45	Self-close	148.329.31.0015	148.329.32.0015	
								Free-swing	-	-	
		<b>Nexis :</b> Hinge cup: steel, nickel-plated Hinge arm: steel, nickel-plated					48	Self-close	146.329.55.0015	146.329.56.0015	
Cover caps for cranking 00					Item No.	PU					
		Steel, nickel-plated, Soft-close compatible			514.300.21.0215	1000					
		Black plastic, Soft-close compatible			514.000.22.9662	1000					
Imprinting available upon special request.											

Half overlay	Cranking 08	Opening angle 125°	Impresso				Screw-on		Dowelled	
	<b>Nexis Impresso:</b> Hinge cup: diecast, nickel-plated Hinge arm: steel, nickel-plated  <b>Nexis :</b> Hinge cup: steel, nickel-plated Hinge arm: steel, nickel-plated	Pattern	Type	Item No.	PU	Pattern	Type	Item No.	Item No.	PU
		42/45	Self-close	138.629.50.0815	125	42	Self-close	138.329.73.0815	138.329.74.0815	250
						45	Self-close	148.329.31.0815	148.329.32.0815	
							Free-swing	-	-	
						48	Self-close	146.329.55.0815	146.329.56.0815	
45/48	Self-close	146.629.35.0815								
Cover caps for cranking 08				Item No.	PU					
	Steel, nickel-plated, Soft-close compatible			514.300.22.0015	1000					
	Black plastic, Soft-close compatible			514.000.22.9662	1000					
Imprinting available upon special request.										

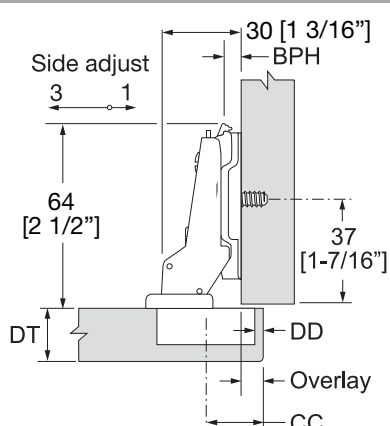
PU = packaging unit

## Full overlay



Drawings show Nexis with base plate, height 02

## Drilling distance (DD)

[illegible]

Drawings show Nexis with base plate, height 02

Drilling distance (DD)

[illegible]

The minimum gap is the gap between the closed door and the front of the cabinet.

## Drilling distance (DD)

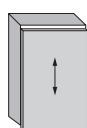
[illegible]

**Note**  
Reveal dimensions were determined with an edge radius (of the door) of 1 mm!  
Hinge dimensions and calculation of reveal with factory setting.

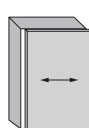
## Drilling distance (DD)

[illegible]

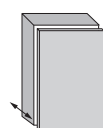
**To determine the correct application Grass strongly recommends a trial mounting for all hinges and base plates.**



Height  
adjustment  
 $\pm 2$  mm

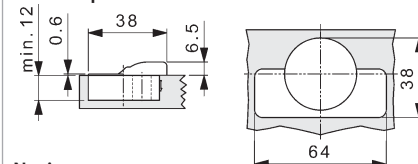


Side  
adjustment  
+1 / -3 mm

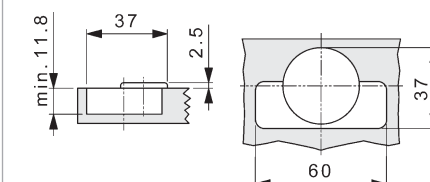


Depth  
adjustment  
+3/-1 mm

## Nexis Impresso



## Nexis





Nexis Impresso 170, Nexis 170

170° wide-angle hinge

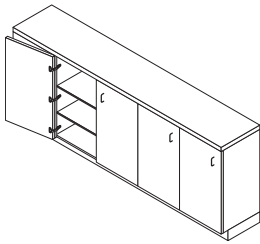






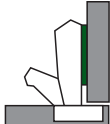
Nexis Impresso

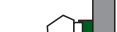



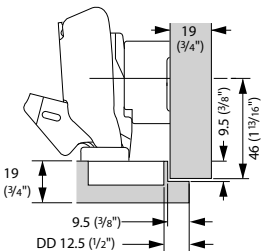
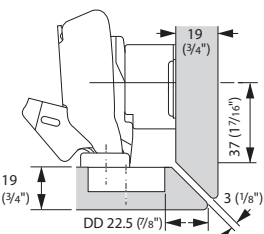
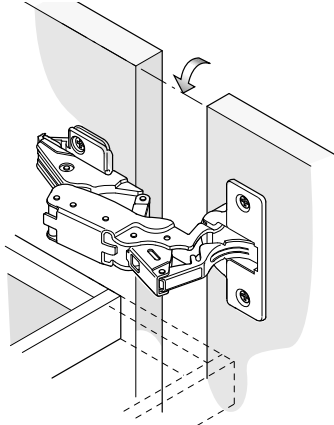
Nexis

- 3-dimensional adjustment with suitable base plate
- Soft-close compatible
- Accommodates overlays up to 19mm [3/4"]
- Shallow cup depth (11 mm) for Nexis and Nexis Impresso
- Zero protrusion when door opened 90°
- Finger protection
- Self-close or free-swing hinges available
- For face frame and frameless cabinets
- Combination drilling pattern for Nexis Impresso



																																				
Full overlay	Cranking 00	Opening angle 170°	Impresso	Screw-on	Dowelled																															
	<b>Nexis Impresso:</b> Hinge cup: diecast, nickel-plated Hinge arm: diecast, nickel-plated  <b>Nexis :</b> Hinge cup: diecast, nickel-plated Hinge arm: diecast, nickel-plated		<table><tr><th>Pattern</th><th>Type</th><th>Item No.</th><th>PU</th></tr><tr><td>42/45</td><td>Self-close</td><td>138.765.65.0015</td><td rowspan="3">50</td></tr><tr><td rowspan="2">45/48</td><td rowspan="2">Self-close</td><td rowspan="2">146.765.35.0015</td></tr><tr></tr></table>	Pattern	Type	Item No.	PU	42/45	Self-close	138.765.65.0015	50	45/48	Self-close	146.765.35.0015	<table><tr><th>Pattern</th><th>Type</th><th>Item No.</th><th>Item No.</th><th>PU</th></tr><tr><td>42</td><td>Self-close</td><td>138.765.73.0015</td><td>138.765.74.0015</td><td rowspan="3">50</td></tr><tr><td rowspan="2">45</td><td>Self-close</td><td>148.765.53.0015</td><td>148.765.54.0015</td></tr><tr><td>Free-swing</td><td>147.765.53.0015</td><td>-</td></tr><tr><td>48</td><td>Self-close</td><td>146.765.53.0015</td><td>146.765.54.0015</td></tr></table>	Pattern	Type	Item No.	Item No.	PU	42	Self-close	138.765.73.0015	138.765.74.0015	50	45	Self-close	148.765.53.0015	148.765.54.0015	Free-swing	147.765.53.0015	-	48	Self-close	146.765.53.0015	146.765.54.0015
	Pattern	Type	Item No.	PU																																
	42/45	Self-close	138.765.65.0015	50																																
	45/48	Self-close	146.765.35.0015																																	
Pattern	Type	Item No.	Item No.	PU																																
42	Self-close	138.765.73.0015	138.765.74.0015	50																																
45	Self-close	148.765.53.0015	148.765.54.0015																																	
	Free-swing	147.765.53.0015	-																																	
48	Self-close	146.765.53.0015	146.765.54.0015																																	

Half overlay	Cranking 08	Opening angle 170°	Impresso				Screw-on		Dowelled	
	<b>Nexis Impresso:</b> Hinge cup: diecast, nickel-plated Hinge arm: diecast, nickel-plated  <b>Nexis :</b> Hinge cup: diecast, nickel-plated Hinge arm: diecast, nickel-plated	Pattern	Type	Item No.	PU	Pattern	Type	Item No.	Item No.	PU
		42/45	Self-close	138.765.65.0815	50	42	Self-close	138.765.73.0815	138.765.74.0815	50
		45/48	Self-close	146.765.35.0815		45	Self-close	148.765.53.0815	148.765.54.0815	
						Free-swing	147.765.53.0815	-		
						48	Self-close	146.765.53.0815	146.765.54.0815	

Angle reduction clip to 120°	Special applications	Zero protrusion	
 <p><b>Item No.</b> 641.000.09.0062 PU 250 pieces Black plastic</p>	<p><b>3/8" Lip Application</b></p> <p>Base plate 08 Hinge cranking 08</p>  <p>19 (3/4") 9.5 (3/8") 46 (1 13/16") 9.5 (3/8") DD 12.5 (1/2")</p>	<p><b>Mitered Corner</b></p> <p>Base plate 08 Hinge cranking 08</p>  <p>19 (3/4") 37 (1 7/16") 3 (1/8") DD 22.5 (7/8")</p>	 <p>Zero protrusion for application with inset drawers With 00 cranking and 00 height of base plate the door is flush with the cabinet at 90°.</p>

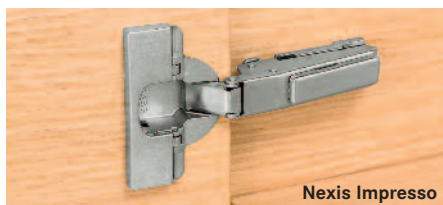
PU = packaging unit

Soft-close/UniSoft	Page 48	Base plates	Page 44	Machinery	Page 76
Tipmatic	Page 56			Technical Information	Page 7



# Nexis Impresso 95, Nexis 95

95° hinge for thick or profile doors

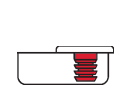
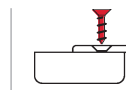
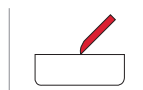
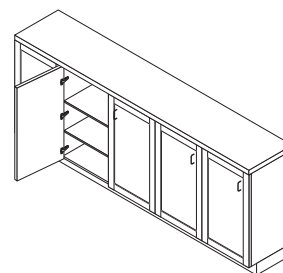


Nexis Impresso



Nexis

- 3-dimensional adjustment with suitable base plate
- Soft-close compatible
- Accommodates overlays up to 19mm [3/4"]
- Minimal gap dimensions on thick doors
- For door thickness up to 30 mm [1 3/16"]
- Self-close or free-swing hinges available
- For face frame and frameless cabinets
- Combination drilling pattern for Nexis Impresso



Full overlay	Cranking 00	Opening angle 95°	Impresso				Screw-on		Dowelled	
	<b>Nexis Impresso:</b> Hinge cup: diecast, nickel-plated Hinge arm: steel, nickel-plated <b>Nexis :</b> Hinge cup: steel, nickel-plated Hinge arm: steel, nickel-plated	Pattern	Type	Item No.	PU	Pattern	Type	Item No.	Item No.	PU
		42/45	Self-close	138.605.51.0015	125	42	Self-close	138.305.73.0015	138.305.74.0015	250
						45	Self-close	148.305.53.0015	148.305.54.0015	
		45/48	Self-close	146.605.35.0015		48	Self-close	146.305.53.0015	146.305.54.0015	
							Free-swing	145.305.53.0015	-	

Cover caps for cranking 00				Item No.	PU
	Steel, nickel-plated, Soft-close compatible			514.300.21.0215	1000
	Black plastic, Soft-close compatible Imprinting available upon special request.			514.000.22.9662	1000

Half overlay	Cranking 08	Opening angle 95°	Impresso				Screw-on		Dowelled	
	<b>Nexis Impresso:</b> Hinge cup: diecast, nickel-plated Hinge arm: steel, nickel-plated <b>Nexis :</b> Hinge cup: steel, nickel-plated Hinge arm: steel, nickel-plated	Pattern	Type	Item No.	PU	Pattern	Type	Item No.	Item No.	PU
		42/45	Self-close	138.605.51.0815	125	42	Self-close	138.305.73.0815	138.305.74.0815	250
						45	Self-close	148.305.53.0815	148.305.54.0815	
		45/48	Self-close	146.605.35.0815		48	Self-close	146.305.53.0815	146.305.54.0815	
							Free-swing	145.305.53.0815	-	

Inset	Cranking 15	Opening angle 95°	Impresso				Screw-on		Dowelled	
	<b>Nexis Impresso:</b> Hinge cup: diecast, nickel-plated Hinge arm: steel, nickel-plated <b>Nexis :</b> Hinge cup: steel, nickel-plated Hinge arm: steel, nickel-plated	Pattern	Type	Item No.	PU	Pattern	Type	Item No.	Item No.	PU
		42/45	Self-close	138.605.51.1515	125	42	Self-close	138.305.73.1515	138.305.74.1515	250
						45	Self-close	148.305.53.1515	148.305.54.1515	
		45/48	Self-close	146.605.35.1515		48	Self-close	146.305.53.1515	146.305.54.1515	
							Free-swing	145.305.53.1515	-	

Cover caps for cranking 08 and 15				Item No.	PU
	Steel, nickel-plated, Soft-close compatible			514.300.22.0015	1000
	Black plastic, Soft-close compatible Imprinting available upon special request.			514.000.22.9662	1000

PU = packaging unit

Soft-close/UniSoft	Page 48	Base plates	Page 44	Machinery	Page 76
Tipmatic	Page 56			Technical Information	Page 7

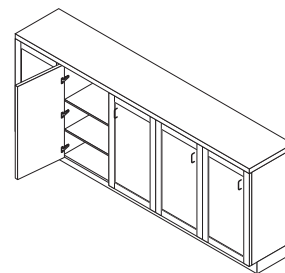
[illegible]

# Nexis 95/40

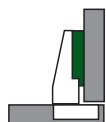
95° hinge with 40 mm cup for profile doors



- 3-dimensional adjustment with suitable base plate
- Accommodates door overlays up to 23mm [7/8"]
- Minimal gap dimensions on thick doors
- Excellent weight capacity for heavy profile doors
- For profile or frame doors up to 36 mm thick
- Special spring mechanism ensures excellent closing force - even with large doors
- Self-close hinges available
- For face frame and frameless cabinets





Full overlay	Cranking 00	Opening angle 95°	Screw-on
--------------	-------------	-------------------	----------

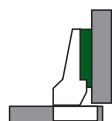


**Nexis :**  
Hinge cup: steel, nickel-plated  
Hinge arm: steel, nickel-plated

Pattern	Type	Item No.	PU
48	Self-close	146.425.53.0015	125

Cover caps for cranking 00	Item No.	PU
	Steel, nickel-plated, without imprint	514.300.21.0215 1000
	Black plastic, without imprint Imprinting available upon special request.	514.000.22.9662 1000

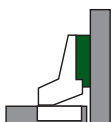
Half overlay	Cranking 08	Opening angle 95°	Screw-on
--------------	-------------	-------------------	----------



**Nexis :**  
Hinge cup: steel, nickel-plated  
Hinge arm: steel, nickel-plated



Pattern	Type	Item No.	PU
48	Self-close	146.425.53.0815	125

Inset	Cranking 15	Opening angle 95°	Screw-on
-------	-------------	-------------------	----------



**Nexis :**  
Hinge cup: steel, nickel-plated  
Hinge arm: steel, nickel-plated

Pattern	Type	Item No.	PU
48	Self-close	146.425.53.1515	125

Cover caps for cranking 08 and 15	Item No.	PU
	Steel, nickel-plated, without imprint	514.300.22.0015 1000
	Black plastic, without imprint Imprinting available upon special request.	514.000.22.9662 1000

PU = packaging unit

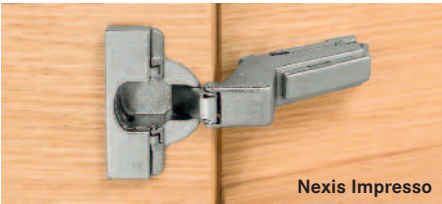
Soft-close /UniSoft	Page 48	Base plates	Page 44	Machinery	Page 76
Tipmatic	Page 56			Technical Information	Page 7



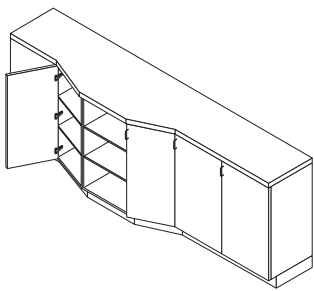
Full overlay		Half overlay	Inset																																																																																																																																																																																																																																																																																																		
Drawings show Nexis with base plate, height 02		Drawings show Nexis with base plate, height 02	Drawings show Nexis with base plate, height 04																																																																																																																																																																																																																																																																																																		
<p>Drilling distance (DD)</p> <table><tr><th></th><th>3</th><th>4</th><th>5</th><th>6</th><th>7</th><th>8</th><th>9</th><th>10</th><th>11</th></tr><tr><th>23</th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0</td><td></td></tr><tr><th>22</th><td></td><td></td><td></td><td></td><td></td><td></td><td>0</td><td>2</td><td></td></tr><tr><th>21</th><td></td><td></td><td></td><td></td><td></td><td>0</td><td>2</td><td>4</td><td></td></tr><tr><th>20</th><td></td><td></td><td></td><td>0</td><td>2</td><td>4</td><td></td><td></td><td></td></tr><tr><th>19</th><td></td><td></td><td>0</td><td>2</td><td>4</td><td></td><td></td><td></td><td></td></tr><tr><th>18</th><td></td><td>0</td><td>2</td><td>4</td><td></td><td></td><td></td><td></td><td></td></tr><tr><th>17</th><td>0</td><td>2</td><td>4</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><th>16</th><td>2</td><td>4</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><th>15</th><td>4</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><th>14</th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><th>13</th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table> <p>Door overlay max.</p>			3	4	5	6	7	8	9	10	11	23								0		22							0	2		21						0	2	4		20				0	2	4				19			0	2	4					18		0	2	4						17	0	2	4							16	2	4								15	4									14										13										<p>Drilling distance (DD)</p> <table><tr><th></th><th>3</th><th>4</th><th>5</th><th>6</th><th>7</th><th>8</th><th>9</th><th>10</th><th>11</th></tr><tr><th>15</th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0</td><td></td></tr><tr><th>14</th><td></td><td></td><td></td><td></td><td></td><td></td><td>0</td><td>2</td><td></td></tr><tr><th>13</th><td></td><td></td><td></td><td></td><td></td><td>0</td><td>2</td><td>4</td><td></td></tr><tr><th>12</th><td></td><td></td><td></td><td>0</td><td>2</td><td>4</td><td></td><td></td><td></td></tr><tr><th>11</th><td></td><td></td><td>0</td><td>2</td><td>4</td><td></td><td></td><td></td><td></td></tr><tr><th>10</th><td></td><td>0</td><td>2</td><td>4</td><td></td><td></td><td></td><td></td><td></td></tr><tr><th>9</th><td>0</td><td>2</td><td>4</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><th>8</th><td>2</td><td>4</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><th>7</th><td>4</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><th>6</th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><th>5</th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table> <p>Door overlay max.</p>		3	4	5	6	7	8	9	10	11	15								0		14							0	2		13						0	2	4		12				0	2	4				11			0	2	4					10		0	2	4						9	0	2	4							8	2	4								7	4									6										5										<p>Drilling distance (DD)</p> <table><tr><th></th><th>3</th><th>4</th><th>5</th><th>6</th><th></th><th></th><th></th><th></th><th></th></tr><tr><th>0</th><td></td><td>2</td><td>4</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><th>1</th><td>2</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><th>2</th><td></td><td>4</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><th></th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table> <p>Reveal min. (R)</p> <p>Base Plate Height (BPH)</p> <p>X = 38.5 + DT</p>		3	4	5	6						0		2	4							1	2									2		4																	
	3	4	5	6	7	8	9	10	11																																																																																																																																																																																																																																																																																												
23								0																																																																																																																																																																																																																																																																																													
22							0	2																																																																																																																																																																																																																																																																																													
21						0	2	4																																																																																																																																																																																																																																																																																													
20				0	2	4																																																																																																																																																																																																																																																																																															
19			0	2	4																																																																																																																																																																																																																																																																																																
18		0	2	4																																																																																																																																																																																																																																																																																																	
17	0	2	4																																																																																																																																																																																																																																																																																																		
16	2	4																																																																																																																																																																																																																																																																																																			
15	4																																																																																																																																																																																																																																																																																																				
14																																																																																																																																																																																																																																																																																																					
13																																																																																																																																																																																																																																																																																																					
	3	4	5	6	7	8	9	10	11																																																																																																																																																																																																																																																																																												
15								0																																																																																																																																																																																																																																																																																													
14							0	2																																																																																																																																																																																																																																																																																													
13						0	2	4																																																																																																																																																																																																																																																																																													
12				0	2	4																																																																																																																																																																																																																																																																																															
11			0	2	4																																																																																																																																																																																																																																																																																																
10		0	2	4																																																																																																																																																																																																																																																																																																	
9	0	2	4																																																																																																																																																																																																																																																																																																		
8	2	4																																																																																																																																																																																																																																																																																																			
7	4																																																																																																																																																																																																																																																																																																				
6																																																																																																																																																																																																																																																																																																					
5																																																																																																																																																																																																																																																																																																					
	3	4	5	6																																																																																																																																																																																																																																																																																																	
0		2	4																																																																																																																																																																																																																																																																																																		
1	2																																																																																																																																																																																																																																																																																																				
2		4																																																																																																																																																																																																																																																																																																			
Minimum gaps		Reveal																																																																																																																																																																																																																																																																																																			
<p>The minimum gap is the gap between the closed door and the front of the cabinet.</p> <p>Drilling distance (DD)</p> <table><tr><th></th><th>3</th><th>4</th><th>5</th><th>6</th><th>8</th><th>10</th></tr><tr><th>20</th><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td></tr><tr><th>22</th><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td></tr><tr><th>24</th><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td></tr><tr><th>26</th><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td></tr><tr><th>28</th><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td></tr><tr><th>30</th><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td></tr><tr><th>32</th><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td></tr><tr><th>34</th><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td></tr><tr><th>36</th><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td></tr><tr><th></th><td></td><td></td><td></td><td></td><td></td><td></td></tr></table> <p>Door thickness (DT)</p> <p>Minimum gap</p>			3	4	5	6	8	10	20	0.0	0.0	0.0	0.0	0.0	0.0	22	0.0	0.0	0.0	0.0	0.0	0.0	24	0.0	0.0	0.0	0.0	0.0	0.0	26	0.0	0.0	0.0	0.0	0.0	0.0	28	0.0	0.0	0.0	0.0	0.0	0.0	30	0.0	0.0	0.0	0.0	0.0	0.0	32	0.0	0.0	0.0	0.0	0.0	0.0	34	0.0	0.0	0.0	0.0	0.0	0.0	36	0.0	0.0	0.0	0.0	0.0	0.0								<p><b>Note</b></p> <p>Reveal dimensions were determined with an edge radius (of the door) of 1 mm!</p> <p>Hinge dimensions and calculation of reveal with factory setting.</p> <p><b>IMPORTANT</b></p> <p>To determine the correct application Grass strongly recommends a trial mounting for all hinges and base plates.</p> <p>Drilling distance (DD)</p> <table><tr><th></th><th>3</th><th>4</th><th>5</th><th>6</th><th>8</th><th>10</th></tr><tr><th>20</th><td>0.1</td><td>0.1</td><td>0.1</td><td>0.1</td><td>0.1</td><td>0.1</td></tr><tr><th>22</th><td>0.2</td><td>0.2</td><td>0.2</td><td>0.2</td><td>0.2</td><td>0.2</td></tr><tr><th>24</th><td>0.3</td><td>0.3</td><td>0.3</td><td>0.3</td><td>0.3</td><td>0.3</td></tr><tr><th>26</th><td>0.4</td><td>0.4</td><td>0.4</td><td>0.4</td><td>0.4</td><td>0.4</td></tr><tr><th>28</th><td>0.6</td><td>0.6</td><td>0.6</td><td>0.6</td><td>0.6</td><td>0.6</td></tr><tr><th>30</th><td>0.8</td><td>0.8</td><td>0.8</td><td>0.8</td><td>0.8</td><td>0.8</td></tr><tr><th>32</th><td>1.1</td><td>1.1</td><td>1.1</td><td>1.1</td><td>1.1</td><td>1.1</td></tr><tr><th>34</th><td>1.4</td><td>1.4</td><td>1.4</td><td>1.4</td><td>1.4</td><td>1.4</td></tr><tr><th>36</th><td>1.7</td><td>1.7</td><td>1.7</td><td>1.7</td><td>1.7</td><td>1.7</td></tr><tr><th></th><td></td><td></td><td></td><td></td><td></td><td></td></tr></table> <p>Door thickness (DT)</p> <p>Reveal min. (R)</p>			3	4	5	6	8	10	20	0.1	0.1	0.1	0.1	0.1	0.1	22	0.2	0.2	0.2	0.2	0.2	0.2	24	0.3	0.3	0.3	0.3	0.3	0.3	26	0.4	0.4	0.4	0.4	0.4	0.4	28	0.6	0.6	0.6	0.6	0.6	0.6	30	0.8	0.8	0.8	0.8	0.8	0.8	32	1.1	1.1	1.1	1.1	1.1	1.1	34	1.4	1.4	1.4	1.4	1.4	1.4	36	1.7	1.7	1.7	1.7	1.7	1.7																																																																																																																																															
	3	4	5	6	8	10																																																																																																																																																																																																																																																																																															
20	0.0	0.0	0.0	0.0	0.0	0.0																																																																																																																																																																																																																																																																																															
22	0.0	0.0	0.0	0.0	0.0	0.0																																																																																																																																																																																																																																																																																															
24	0.0	0.0	0.0	0.0	0.0	0.0																																																																																																																																																																																																																																																																																															
26	0.0	0.0	0.0	0.0	0.0	0.0																																																																																																																																																																																																																																																																																															
28	0.0	0.0	0.0	0.0	0.0	0.0																																																																																																																																																																																																																																																																																															
30	0.0	0.0	0.0	0.0	0.0	0.0																																																																																																																																																																																																																																																																																															
32	0.0	0.0	0.0	0.0	0.0	0.0																																																																																																																																																																																																																																																																																															
34	0.0	0.0	0.0	0.0	0.0	0.0																																																																																																																																																																																																																																																																																															
36	0.0	0.0	0.0	0.0	0.0	0.0																																																																																																																																																																																																																																																																																															
	3	4	5	6	8	10																																																																																																																																																																																																																																																																																															
20	0.1	0.1	0.1	0.1	0.1	0.1																																																																																																																																																																																																																																																																																															
22	0.2	0.2	0.2	0.2	0.2	0.2																																																																																																																																																																																																																																																																																															
24	0.3	0.3	0.3	0.3	0.3	0.3																																																																																																																																																																																																																																																																																															
26	0.4	0.4	0.4	0.4	0.4	0.4																																																																																																																																																																																																																																																																																															
28	0.6	0.6	0.6	0.6	0.6	0.6																																																																																																																																																																																																																																																																																															
30	0.8	0.8	0.8	0.8	0.8	0.8																																																																																																																																																																																																																																																																																															
32	1.1	1.1	1.1	1.1	1.1	1.1																																																																																																																																																																																																																																																																																															
34	1.4	1.4	1.4	1.4	1.4	1.4																																																																																																																																																																																																																																																																																															
36	1.7	1.7	1.7	1.7	1.7	1.7																																																																																																																																																																																																																																																																																															
Adjustment		Cup dimensions																																																																																																																																																																																																																																																																																																			
		<p>Nexis</p>																																																																																																																																																																																																																																																																																																			

# Nexis Impresso 95/+20°, Nexis 95/+20°

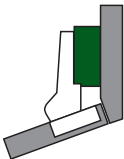
+20° angle corner cabinet hinge



- 3-dimensional adjustment with suitable base plate
- Soft-close compatible
- Minimal gap dimensions on door thickness of up to 30 mm
- Self-close hinges available





+20° Corner Angle	Opening angle 95°	Impresso	Screw-on	Dowelled
-------------------	-------------------	----------	----------	----------



**Nexis Impresso:**  
Hinge cup: diecast, nickel-plated  
Hinge arm: diecast, nickel-plated

**Nexis :**  
Hinge cup: steel, nickel-plated  
Hinge arm: diecast, nickel-plated

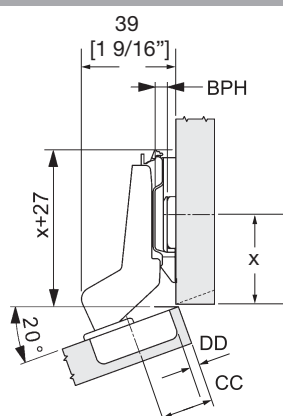
Pattern	Type	Item No.	PU	Pattern	Type	Item No.	Item No.	PU
42/45	Self-close	-	125	45	Self-close	-	148.405.54.0615	125
45/48	Self-close	146.705.35.0615		48	Self-close	146.405.53.0615	146.405.54.0615	

Cover caps		Item No.	PU
	Steel, nickel-plated, without imprint	514.300.22.0015	1000
	Black plastic, without imprint	514.000.22.9662	1000
Imprinting available upon special request.			

PU = packaging unit

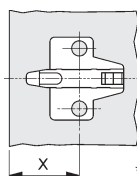
Soft-close/UniSoft	Page 48	Base plates	Page 44	Machinery	Page 76
Tipmatic	Page 56			Technical Information	Page 7

### Corner Angle



Drawings show Nexis with base plate, height 04

Drilling distance (DD)

[illegible]

x = 38.5 with base plate, height 00

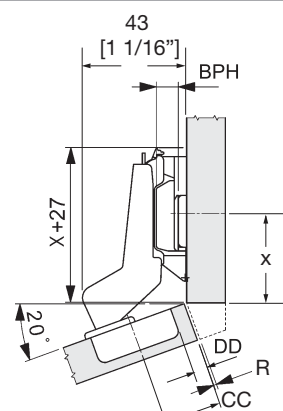
x = 37.5 with base plate, height 02

x = 37.0 with base plate, height 04

x = 36.5 with base plate, height 08

\*3 mm drilling distance for Nexis only

## Inset



Drawings show Nexis with base plate, height 08

Drilling distance (DD)

[illegible]

### Minimum gaps

The minimum gap is the gap between the closed door and the front of the cabinet.

Drilling distance (DD)

	*3	4	5	6			
16	0.5	0.5	0.5	0.5			
18	0.5	0.5	0.5	0.5			
19	0.5	0.5	0.5	0.5			
20	0.0	0.0	0.0	0.5			
22	0.5	0.5	0.5	0.5			
24	0.5	0.5	0.5	0.5			
26	0.5	0.5	0.5	0.7			
28	0.5	0.5	0.5	0.9			
30	0.5	0.5	1.1	1.1			
				Minimum gap			

## Reveal

### Note

Reveal dimensions were determined with an edge radius (of the door) of 1 mm!

Hinge dimensions and calculation of reveal with factory setting.

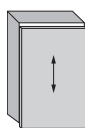
## IMPORTANT

**To determine the correct application Grass strongly recommends a trial mounting for all hinges and base plates.**

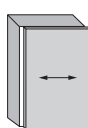
Drilling distance (DD)

	*3	4	5	6			
16	0.1	0.1	0.1	0.1			
18	0.2	0.2	0.2	0.2			
19	0.3	0.3	0.3	0.3			
20	0.4	0.4	0.4	0.4			
22	0.7	0.7	0.7	0.7			
24	1.0	1.0	1.0	1.0			
26	1.4	1.4	1.4	1.4			
28	1.9	1.9	1.9	1.9			
30	3.8	2.9	2.6	2.5			
				Reveal min. (R)			

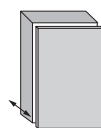
## Adjustment



Height  
adjustment  
 $\pm 2$  mm



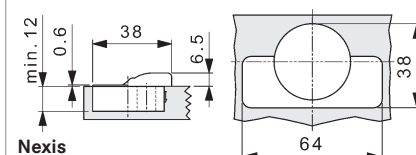
Side  
adjustment  
+1 / -3 mm



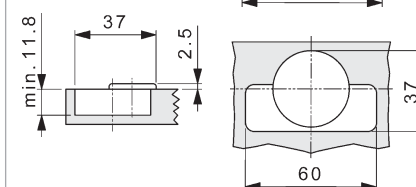
Depth  
adjustment  
+3/-1 mm

### Cup dimensions

## Nexis Impresso

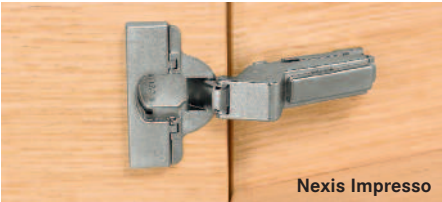


Nexis

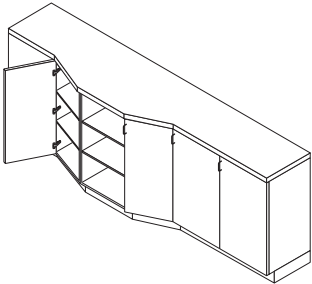



# Nexis Impresso 95/+30°, Nexis 95/+30°

+30° angle corner cabinet hinge



- 3-dimensional adjustment with suitable base plate
- Soft-close compatible
- Minimal gap dimensions on door thickness of up to 30 mm
- Self-close hinges available



+30° Corner Angle		Opening angle 95°				Impresso		Screw-on		Dowelled	
	<b>Nexis Impresso:</b> Hinge cup: diecast, nickel-plated Hinge arm: diecast, nickel-plated	Pattern	Type	Item No.	PU	Pattern	Type	Item No.	Item No.	PU	
	<b>Nexis :</b>	42/45	Self-close	-	125	45	Self-close	-	148.405.54.0215	125	
		45/48	Self-close	146.705.35.0215		48	Self-close	146.405.53.0215	-		

**Nexis Impresso:**  
Hinge cup: diecast, nickel-plated  
Hinge arm: diecast, nickel-plated

**Nexis :**  
Hinge cup: steel, nickel-plated  
Hinge arm: diecast, nickel-plated

Cover caps		Item No.	PU
	Steel, nickel-plated, without imprint	514.300.22.0015	1000
	Black plastic, without imprint Imprinting available upon special request.	514.000.22.9662	1000

PU = packaging unit

Soft-close/UniSoft	Page 48	Base plates	Page 44	Machinery	Page 76
Tipmatic	Page 56			Technical Information	Page 7





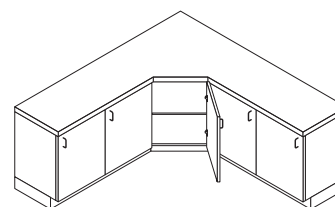
# Nexis Impresso 95/+45°, Nexis 95/+45°

+45° angle corner cabinet hinge, inset

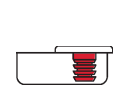
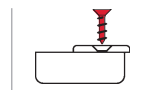
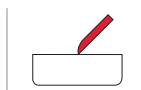


Nexis Impresso

- 3-dimensional adjustment with suitable base plate
- Soft-close compatible
- Minimal gap dimensions on door thickness of up to 30 mm
- For 45° angle corner cabinets
- Self-close hinges available



Nexis



+45° Corner Angle

Opening angle 95°

Impresso

Screw-on

Dowelled



## Nexis Impresso:

Hinge cup: diecast, nickel-plated

Hinge arm: diecast, nickel-plated

## Nexis :

Hinge cup: steel, nickel-plated

Hinge arm: diecast, nickel-plated

Pattern	Type	Item No.	PU	Pattern	Type	Item No.	Item No.	PU
42/45	Self-close	-	125	45	Self-close	148.405.06.0315	148.405.08.0315	125
45/48	Self-close	146.705.35.0315		48	Self-close	146.405.53.0315	146.405.54.0315	

Cover caps



Steel, nickel-plated, without imprint

Black plastic, without imprint

Imprinting available upon special request.

Item No.	PU
514.300.22.0015	1000
514.000.22.9662	1000

PU = packaging unit

Soft-close/UniSoft  
Tipmatic

Page 48  
Page 56

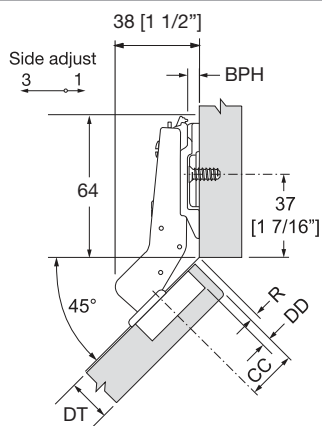
Base plates

Page 44

Machinery  
Technical Information

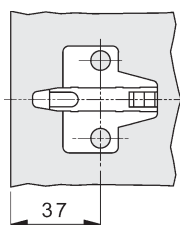
Page 76  
Page 7

### Corner Angle



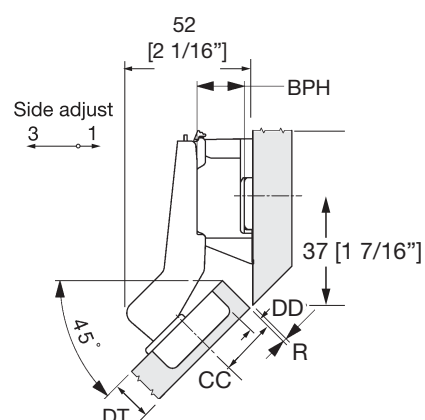
Drawings show Nexis with base plate, height 04

Drilling distance (DD)

[illegible]

\*3 mm drilling distance for Nexis only

## Inset



Drawings show Nexis with base plate, height 18

## Reveal

## Drilling distance (DD)

### Note

Reveal dimensions were determined with an edge radius (of the door) of 1 mm!

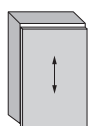
Hinge dimensions and calculation of reveal with factory setting.

**IMPORTANT**

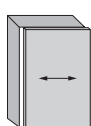
**To determine the correct application Grass strongly recommends a trial mounting for all hinges and base plates.**

		Timing (minutes) (20°C)						
		*3	4	5	6			
Door thickness (Df)	16	0.1	0.1	0.1	0.1			
	18	0.2	0.2	0.2	0.2			
	19	0.3	0.3	0.3	0.3			
	20	0.4	0.4	0.4	0.4			
	22	0.7	0.7	0.7	0.7			
	24	1.0	1.0	1.0	1.0			
	26	1.4	1.4	1.4	1.4			
	28	1.9	1.9	1.9	1.9			
	30	3.8	2.9	2.6	2.5			
					Reveal min. (R)			

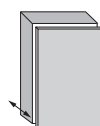
## Adjustment



Height  
adjustment  
 $\pm 2$  mm



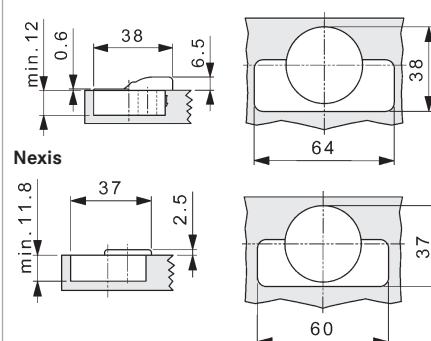
Side  
adjustment  
+1 / -3 mm



Depth  
adjustment  
+3/-1 mm

### Cup dimensions

## Nexis Impresso

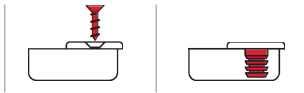
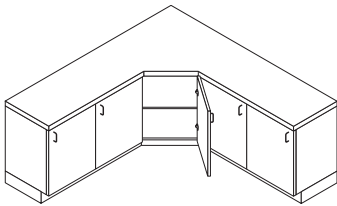


Nexis 95/+45°

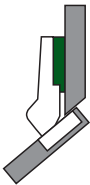
+45° angle corner cabinet hinge, half overlay



- 3-dimensional adjustment with suitable base plate
- Soft-close compatible
- Minimal gap dimensions on door thickness of up to 30 mm
- Self-close hinges available





+45° Corner Angle, Half overlay      Opening angle 95°      Screw-on      Dowelled



**Nexis Impresso:**  
Hinge cup: diecast, nickel-plated  
Hinge arm: diecast, nickel-plated

**Nexis :**  
Hinge cup: steel, nickel-plated  
Hinge arm: diecast, nickel-plated

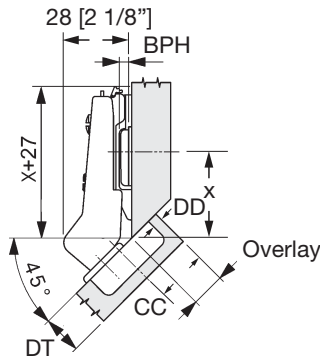
Pattern	Type	Item No.	Item No.	PU
48	Self-close	-	146.405.54.0815	125

Cover caps		Item No.	PU
	Steel, nickel-plated, without imprint	514.300.22.0015	1000
	Black plastic, without imprint Imprinting available upon special request.	514.000.22.9662	1000

PU = packaging unit

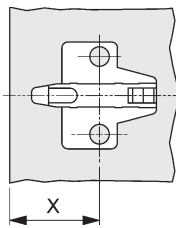
Soft-close/UniSoft	Page 48	Base plates	Page 44	Machinery	Page 76
Tipmatic	Page 56			Technical Information	Page 7

## Half overlay



Drawings show Nexis with base plate, height 04

Drilling distance (DD)		3	4	5	6				
Door overlay max.	19.5				0				
	18.5			0					
	18.0		0		2				
	17.3	0		2					
	16.5		2		4				
	15.8	2		4					
	15.0		4						
	14.5	4							
Base Plate Height (BPH)									



x = 35.0 with base plate, height 00  
x = 33.0 with base plate, height 02  
x = 31.0 with base plate, height 04

## Minimum gaps

The minimum gap is the gap between the closed door and the front of the cabinet.

Drilling distance (DD)		3*	4	5	6				
Door thickness (DT)	16	0.5	0.5	0.5	0.5				
	18	0.5	0.5	0.5	0.5				
	19	0.5	0.5	0.5	0.5				
	20	0.0	0.0	0.0	0.5				
	22	0.5	0.5	0.5	0.5				
	24	0.5	0.5	0.5	0.5				
	26	0.5	0.5	0.5	0.7				
	28	0.5	0.5	0.5	0.9				
	30	0.5	0.5	1.1	1.1				
Minimum gap									

## Reveal

### Note

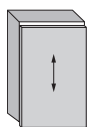
Reveal dimensions were determined with an edge radius (of the door) of 1 mm!  
Hinge dimensions and calculation of reveal with factory setting.

### IMPORTANT

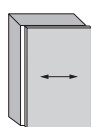
To determine the correct application Grass strongly recommends a trial mounting for all hinges and base plates.

Drilling distance (DD)		3	4	5	6				
Door thickness (DT)	16	0.1	0.1	0.1	0.1				
	18	0.2	0.2	0.2	0.2				
	19	0.3	0.3	0.3	0.3				
	20	0.4	0.4	0.4	0.4				
	22	0.7	0.7	0.7	0.7				
	24	1.0	1.0	1.0	1.0				
	26	1.4	1.4	1.4	1.4				
	28	1.9	1.9	1.9	1.9				
	30	3.8	2.9	2.6	2.5				
Reveal min. (R)									

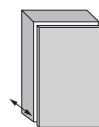
## Adjustment



Height adjustment  
±2 mm



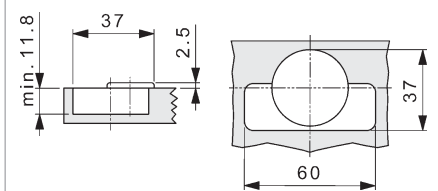
Side adjustment  
+1/-3 mm



Depth adjustment  
+3/-1 mm

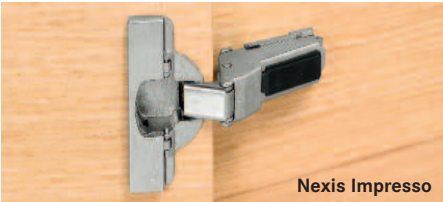
## Cup dimensions

### Nexis

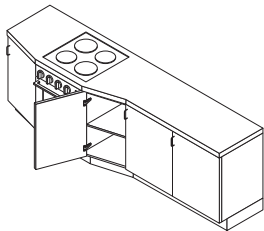



# Nexis Impresso 125/-14°, Nexis 125/-14°

## -14° angle corner cabinet hinge



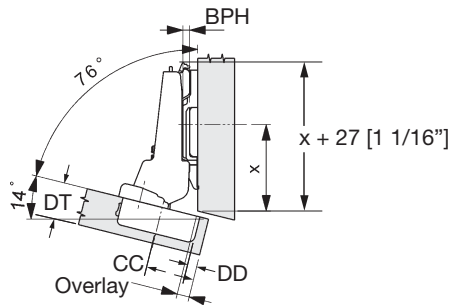
- 3-dimensional adjustment with suitable base plate
- Soft-close compatible
- For 14° negative angle corner cabinets
- Self-close hinges available



-14° Angle Corner	Opening angle 125°				Impresso		Screw-on		Dowelled	
	Pattern	Type	Item No.	PU	Pattern	Type	Item No.	Item No.		PU
	42/45	Self-close	-	125	45	Self-close	-	148.429.12.1015		125
	45/48	Self-close	146.729.35.1015		48	Self-close	146.429.14.1015	-		
	<b>Nexis Impresso:</b>									
Hinge cup: diecast, nickel-plated										
Hinge arm: diecast, nickel-plated										
<b>Nexis :</b>										
Hinge cup: steel, nickel-plated										
Hinge arm: diecast, nickel-plated										

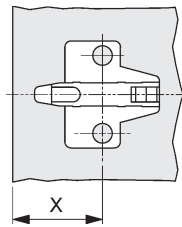


## Overlay



Drawings show Nexis with base plate, height 02

		Drilling distance (DD)							
		*3	4	5	6				
Door overlay max.	10				0				
	9			0					
	8		0		2				
	7	0		2					
	6		2		4				
	5	2		4					
	4		4						
	3	4							
						Base Plate Height (BPH)			



x = 38.5 with base plate, height 00  
 x = 39.0 with base plate, height 02  
 x = 39.5 with base plate, height 04

\*3 mm drilling distance for Nexis only

## Minimum gaps

The minimum gap is the gap between the closed door and the front of the cabinet.

		Drilling distance (DD)							
		*3	4	5	6				
Door thickness (DT)	16	0.5	1.0	1.8	2.6				
	18	1.3	2.1	2.9	3.7				
	19	1.9	2.7	3.5	4.3				
	20	2.4	3.2	4.0	4.8				
						Minimum gap			

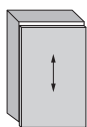
### Note

Hinge dimensions with factory setting.

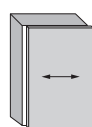
### IMPORTANT

To determine the correct application Grass strongly recommends a trial mounting for all hinges and base plates.

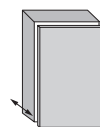
## Adjustment



Height adjustment  
±2 mm



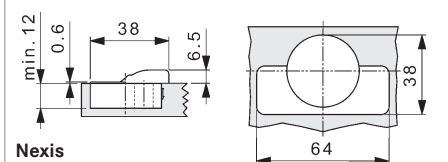
Side adjustment  
+1/-3 mm



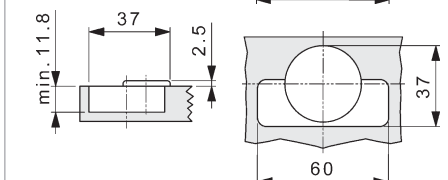
Depth adjustment  
+3/-1 mm

## Cup dimensions

### Nexis Impresso



### Nexis

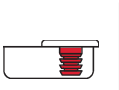
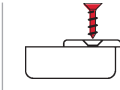
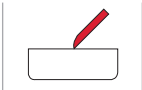
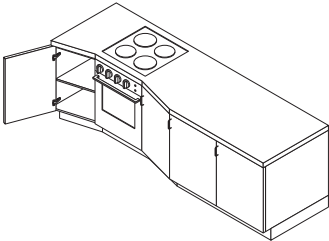


Nexis Impresso 125/-24°, Nexis 125/-24°

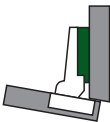
-24° angle corner cabinet hinge



- 3-dimensional adjustment with suitable base plate
- For 24° negative angle corner cabinets
- Self-close hinges available





-24° Angle Corner	Opening angle 125°	Impresso	Screw-on	Dowelled
-------------------	--------------------	----------	----------	----------



**Nexis Impresso:**  
Hinge cup: diecast, nickel-plated  
Hinge arm: diecast, nickel-plated

**Nexis :**  
Hinge cup: steel, nickel-plated  
Hinge arm: diecast, nickel-plated

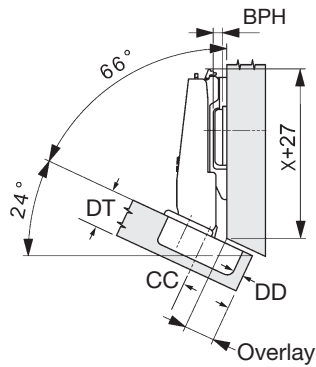
Pattern	Type	Item No.	PU	Pattern	Type	Item No.	Item No.	PU
42/45	Self-close	-	125	45	Self-close	148.429.24.0115	148.429.22.0115	125
45/48	Self-close	146.729.35.0115		48	Self-close	146.429.24.0115	146.429.22.0115	

Cover caps		Item No.	PU
	Steel, nickel-plated, without imprint	514.300.22.0015	1000
	Black plastic, without imprint	514.000.22.9662	1000
Imprinting available upon special request.			

PU = packaging unit

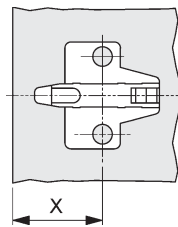
Soft-close/UniSoft	Page 48	Base plates	Page 44	Machinery	Page 76
Tipmatic	Page 56			Technical Information	Page 7

## Overlay



Drawings show Nexis with base plate, height 02

Drilling distance (DD)		*3	4	5	6						
Door overlay max.	18				0						
	17			0							
	16		0		2						
	15	0		2							
	14		2		4						
	13	2		4							
	12		4								
	11	4									
Base Plate Height (BPH)											



x = 42.5 with base plate, height 00  
x = 43.5 with base plate, height 02  
x = 44.5 with base plate, height 04

\*3 mm drilling distance for Nexis only

## Minimum gaps

The minimum gap is the gap between the closed door and the front of the cabinet.

Drilling distance (DD)		*3	4	5	6						
Door thickness (DT)	16	0.5	1.0	1.8	2.6						
	18	1.3	2.1	2.9	3.7						
	19	1.9	2.7	3.5	4.3						
	20	2.4	3.2	4.0	4.8						
Minimum gap											

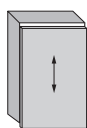
### Note

Hinge dimensions with factory setting.

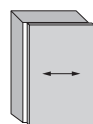
### IMPORTANT

To determine the correct application Grass strongly recommends a trial mounting for all hinges and base plates.

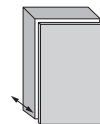
## Adjustment



Height adjustment  
±2 mm



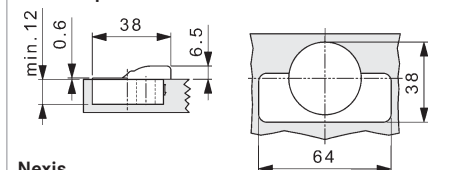
Side adjustment  
+1/-3 mm



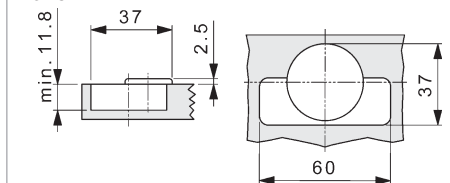
Depth adjustment  
+3/-1 mm

## Cup dimensions

### Nexis Impresso



### Nexis



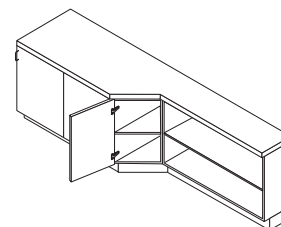
# Nexis Impresso 125/-45°, Nexis 125/-45°

-45° angle corner cabinet hinge, half overlay

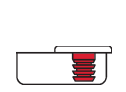
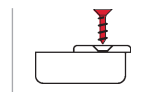
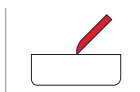


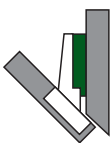
Nexis Impresso



- 3-dimensional adjustment with suitable base plate
- For 45° negative angle corner cabinets
- Self-close hinges available



Nexis



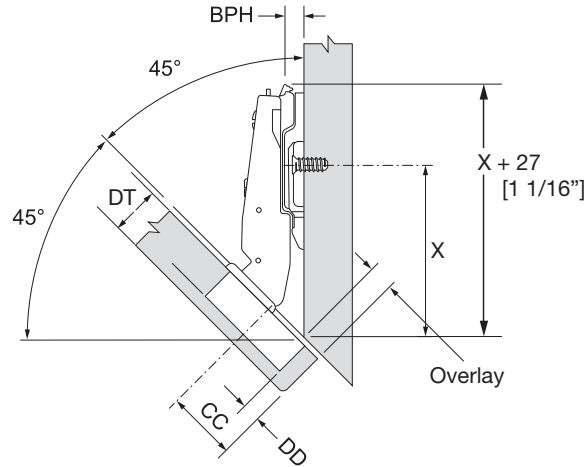
-45° Angle Corner	Opening angle 125°	Impresso				Screw-on		Dowelled	
 <p><b>Nexis Impresso:</b> Hinge cup: diecast, nickel-plated Hinge arm: diecast, nickel-plated</p> <p><b>Nexis :</b> Hinge cup: steel, nickel-plated Hinge arm: diecast, nickel-plated</p>	Pattern	Type	Item No.	PU	Pattern	Type	Item No.	Item No.	PU
	42/45	Self-close	-	125	45	Self-close	148.429.53.4515	148.429.54.4515	125
	45/48	Self-close	146.729.35.4515		48	Self-close	146.429.53.4515	-	

Cover caps		Item No.	PU
	Steel, nickel-plated, without imprint	514.300.22.0015	1000
	Black plastic, without imprint Imprinting available upon special request.	514.000.22.9662	1000

PU = packaging unit

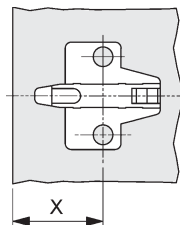
Soft-close/UniSoft	Page 48	Base plates	Page 44	Machinery	Page 76
Tipmatic	Page 56			Technical Information	Page 7

## Half overlay



Drawings show Nexis with base plate, height 02

Drilling distance (DD)		*3	4	5	6						
Door overlay max.	12				0						
	11			0							
	10		0		2						
	9	0		2							
	8		2		4						
	7	2		4							
	6		4								
	5	4									
Base Plate Height (BPH)											



x = 55.0 with base plate, height 00  
x = 57.0 with base plate, height 02  
x = 59.0 with base plate, height 04

\*3 mm drilling distance for Nexis only

## Minimum gaps

The minimum gap is the gap between the closed door and the front of the cabinet.

Drilling distance (DD)		*3	4	5	6						
Door thickness (DT)	16	0.5	1.0	1.8	2.6						
	18	1.3	2.1	2.9	3.7						
	19	1.9	2.7	3.5	4.3						
	20	2.4	3.2	4.0	4.8						
Minimum gap											

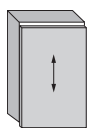
### Note

Hinge dimensions with factory setting.

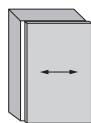
### IMPORTANT

To determine the correct application Grass strongly recommends a trial mounting for all hinges and base plates.

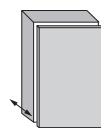
## Adjustment



Height adjustment  
±2 mm



Side adjustment  
+1/-3 mm

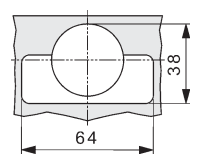
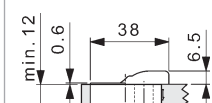


Depth adjustment  
+3/-1 mm

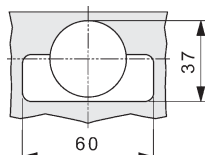
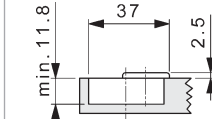
All dimensions in millimeters.

## Cup dimensions

### Nexis Impresso



### Nexis



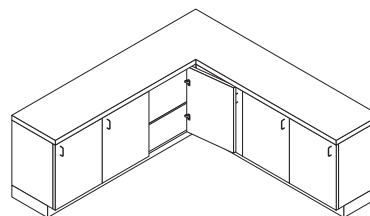
# Nexis Impresso 95/90°, Nexis 95/90°

## 95° post hinge for blind corner cabinet

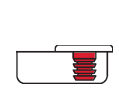
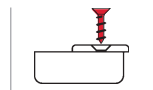
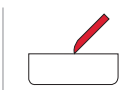


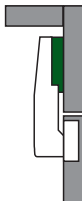
Nexis Impresso


- 3-dimensional adjustment with suitable base plate
- Soft-close compatible
- Minimal gap dimensions on door thickness of up to 30 mm
- Self-close hinges available
- For blind corner cabinets

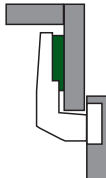



Nexis



90° Blind Corner Inset	Opening angle 95°	Impresso				Screw-on		Dowelled	
 <p><b>Nexis Impresso:</b> Hinge cup: diecast, nickel-plated Hinge arm: diecast, nickel-plated</p> <p><b>Nexis :</b> Hinge cup: steel, nickel-plated Hinge arm: diecast, nickel-plated</p>	Pattern	Type	Item No.	PU	Pattern	Type	Item No.	Item No.	PU
	42/45	Self-close	-	125	45	Self-close	148.405.11.9615	148.405.12.9615	125
	45/48	Self-close	146.705.35.9615		48	Self-close	146.405.53.9615	146.405.54.9615	

Cover caps		Item No.	PU
	Steel, nickel-plated, Soft-close compatible	514.300.22.0015	1000
	Black plastic, Soft-close compatible Imprinting available upon special request.	514.000.22.9662	1000

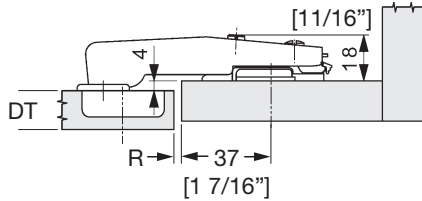
90° Blind Corner Overlay	Opening angle 95°	Impresso				Screw-on		Dowelled	
 <p><b>Nexis :</b> Hinge cup: steel, nickel-plated Hinge arm: diecast, nickel-plated</p>	Pattern	Type	Item No.	PU	Pattern	Type	Item No.	Item No.	PU
	42/45	Self-close	-	125	45	Self-close	148.405.53.1915	148.405.54.1915	125
	45/48	Self-close	-		48	Self-close	-	-	

Cover caps		Item No.	PU
	Steel, nickel-plated, Soft-close compatible	514.300.22.0015	1000
	Black plastic, Soft-close compatible Imprinting available upon special request.	514.000.22.9662	1000

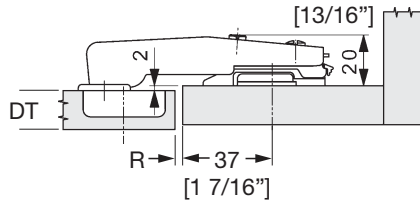
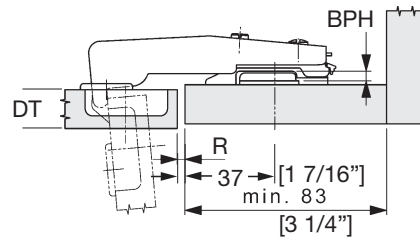
PU = packaging unit

Soft-close/UniSoft	Page 48	Base plates	Page 44	Machinery	Page 76
Tipmatic	Page 56			Technical Information	Page 7

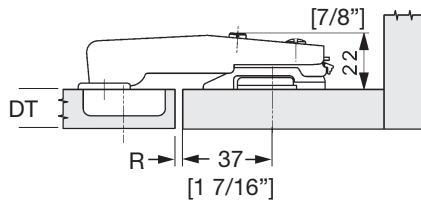
## Inset



Drawing with base plate, height 00



Drawing with base plate, height 02



Drawing with base plate, height 04

	Drilling distance (DD)							
	*3	4	5	6				
Door thickness (DT)	16	0.1	0.1	0.1	0.1			
	18	0.2	0.2	0.2	0.2			
	19	0.3	0.3	0.3	0.3			
	20	0.4	0.4	0.4	0.4			
	22	0.7	0.7	0.7	0.7			
	24	1.0	1.0	1.0	1.0			
	26	1.4	1.4	1.4	1.4			
	28	1.9	1.9	1.9	1.9			
	30	3.8	2.9	2.6	2.5			
					Reveal min. (R)			

### Note

Hinge dimensions with factory setting.

\*3 mm drilling distance for Nexis only

### Note

Reveal dimensions were determined with an edge radius (of the door) of 1 mm!  
Hinge dimensions and calculation of reveal with factory setting.

### IMPORTANT

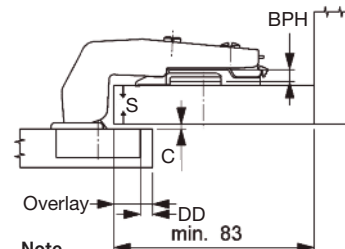
To determine the correct application Grass strongly recommends a trial mounting for all hinges and base plates.

## Overlay

Drilling distance (DD)	Door overlay
3	14
4	15
5	16
6	17

Post thickness (S)	Base Plate Height (BPH)
19	0
17	2
15	4

Gap (C) = 1 mm



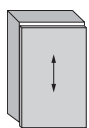
### Note

Hinge dimensions with factory setting.

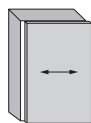
### IMPORTANT

To determine the correct application Grass strongly recommends a trial mounting for all hinges and base plates.

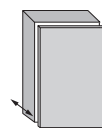
## Adjustment



Height adjustment  
±2 mm



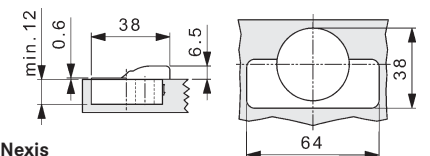
Side adjustment  
+1/-3 mm



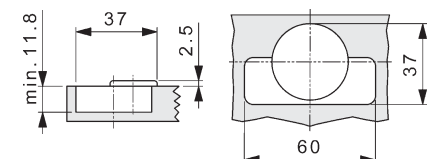
Depth adjustment  
+3/-1 mm

## Cup dimensions

### Nexis Impresso



### Nexis

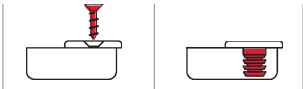
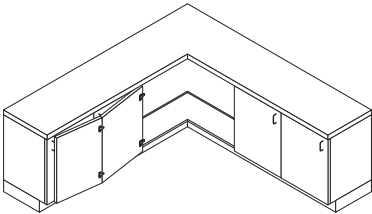




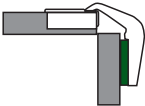
Pie-cut corner hinge



- 3-dimensional adjustment with suitable base plate
- Designed for connecting two folding doors in corner cabinet
- For door thicknesses 16 to 22 mm
- Self-close hinges available
- Used in conjunction with Nexis 170 hinges



Pie-cut Corner Hinge	Opening angle 110°	Screw-on	Dowelled
----------------------	--------------------	----------	----------



Nexis :  
Hinge cup: die-cast, nickel-plated  
Hinge arm: diecast, nickel-plated

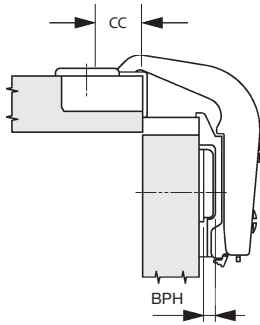
Pattern	Type	Item No.	Item No.	PU
45	Self-close	148.700.01.0015	148.700.02.0015	125
48	Self-close	146.700.01.0015	146.700.02.0015	125

Cover caps		Item No.	PU
	Steel, nickel-plated, without imprint	514.300.22.0015	1000
	Black plastic, without imprint	514.000.22.9662	1000
Imprinting available upon special request			

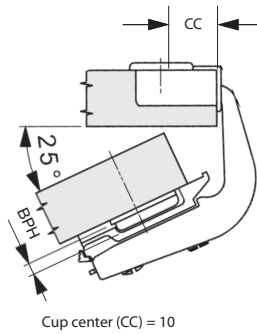
PU = packaging unit

Soft-close/UniSoft	Page 48	Base plates	Page 44	Machinery	Page 76
Tipmatic	Page 56			Technical Information	Page 7

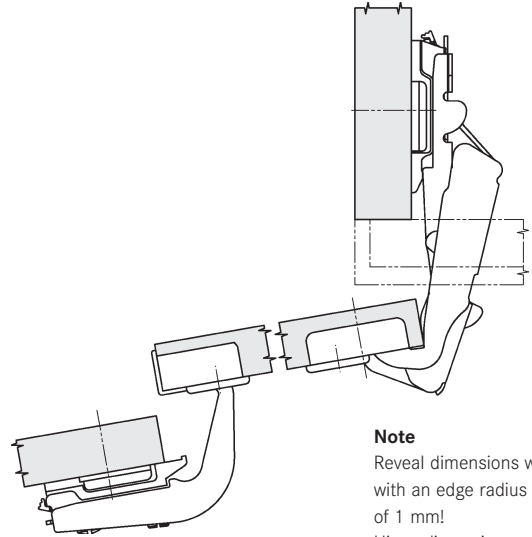
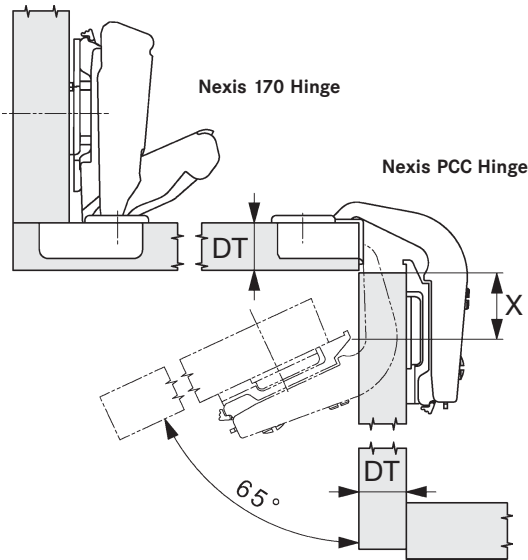
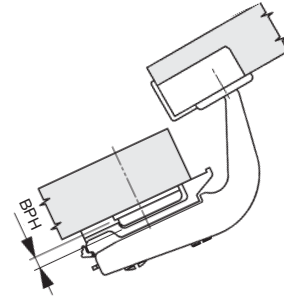
## Hinge Application



Drawing with base plate, height 04



Cup center (CC) = 10

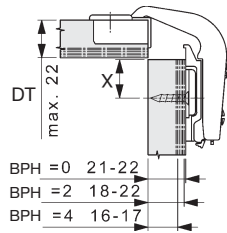


### Note

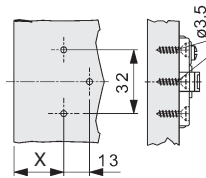
Reveal dimensions were determined with an edge radius (of the door) of 1 mm!  
Hinge dimensions and calculation of reveal with factory setting.

### IMPORTANT

To determine the correct application Grass strongly recommends a trial mounting for all hinges and mounting plates.



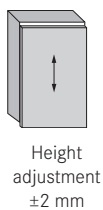
DT max. 22  
BPH = 0 21-22  
BPH = 2 18-22  
BPH = 4 16-17



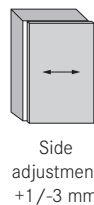
Drawings with base plate, height 04

Door thickness (DT)	16	17	18	19	20	21	22
Distance (X)	25	24	22	21	20	18	17
Base Plate Height (BPH)	04		02			00	

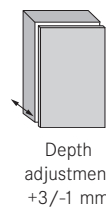
## Adjustments



Height adjustment  
±2 mm

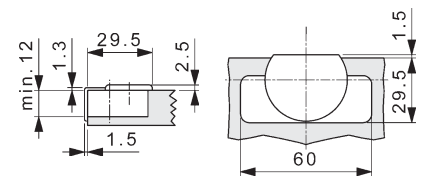


Side adjustment  
+1/-3 mm



Depth adjustment  
+3/-1 mm

## Cup dimensions

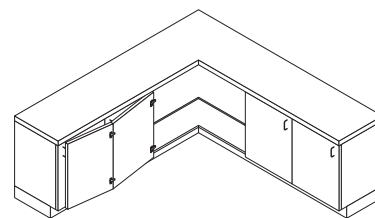


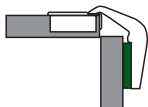
# Nexis 21 PCC

## Pie-cut corner hinge with full cup recess



- 3-dimensional adjustment with suitable base plate
- Designed for folding doors in corner cabinets
- For door thicknesses Max. 24 mm, factory setting 19 mm door thickness with 3.5 mm drilling distance
- Self-close hinges available
- Used in conjunction with Nexis 170 hinges
- Shallow cup depth of 10.8 mm



Pie-cut corner hinge	Opening angle 110°	Screw-on		Dowelled	
 <b>Nexis :</b> Hinge cup: steel, nickel-plated Hinge arm: diecast, nickel-plated	Pattern	Type	Item No.	Item No.	PU
	42	Self-close	70139-10	70140-10	125
		Self-close	70139-06	70140-06	25

Cover caps		Item No.	PU
	Steel, nickel-plated, without imprint	514.300.22.0015	1000
	Black plastic, without imprint	514.000.22.9662	1000
Imprinting available upon special request			

### Important Note

Use the Nexis 21 PCC hinge with the following base plates:

#### With door thickness from

**14mm - 17mm:** 314.493.71.0215 (page 44)  
 318.493.71.0215 (page 44)

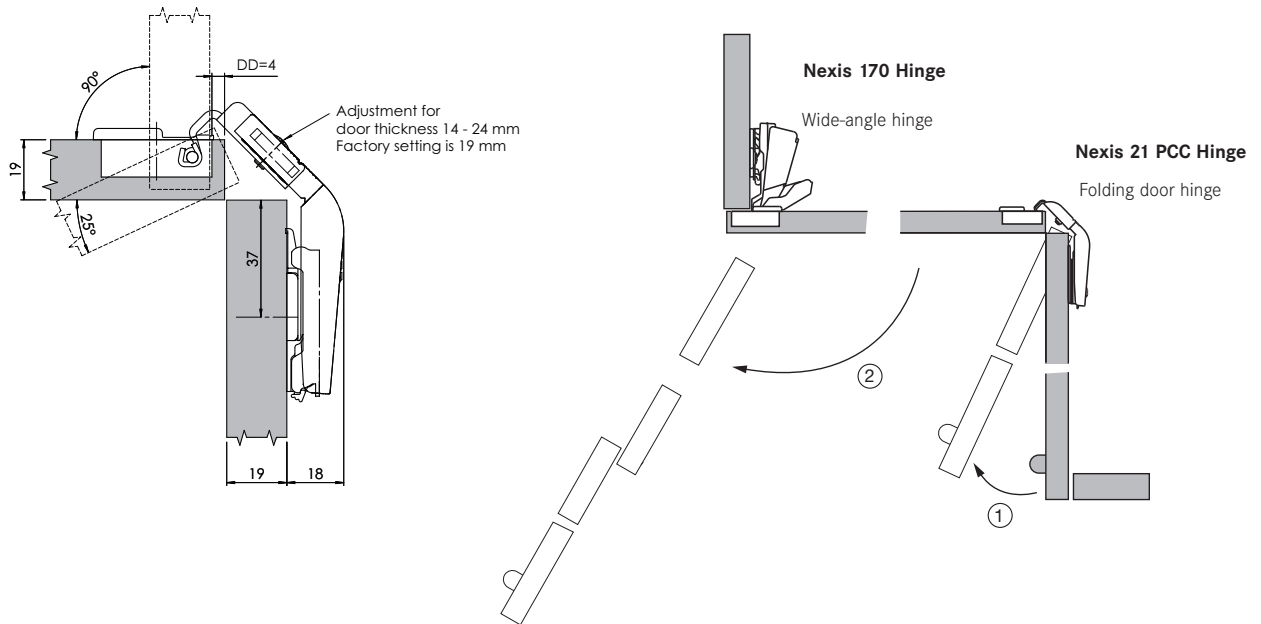
#### With door thickness from

**18mm - 24mm:** 314.493.71.0015 (page 44)  
 318.493.71.0015 (page 44)

PU = packaging unit

Soft-close/UniSoft	Page 48	Base plates	Page 44	Machinery	Page 76
Tipmatic	Page 56			Technical Information	Page 7

## Hinge Application



DD = Drilling distance  
 Drawings with base plate, height 00  
 for door thickness 19mm, factory setting.  
 Drilling distance range 3 mm - 6 mm

## Adjustment

### Adjustment in the hinge arm

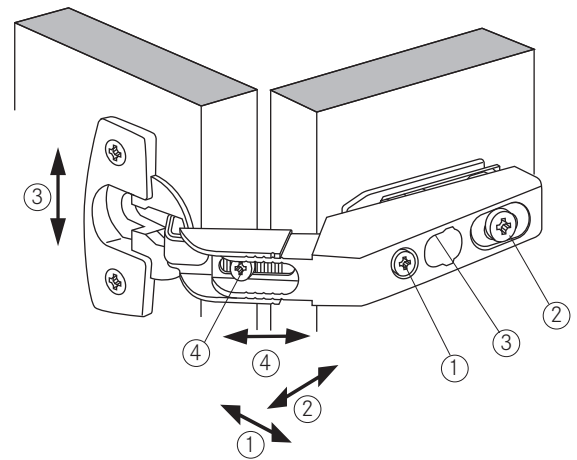
1. Side adjustment  $\pm 2$  mm
2. Depth adjustment  $\pm 2$  mm
4. Door thickness 14 to 24 mm, factory setting 19 mm

### Adjustment via base plate

3. Height adjustment  $\pm 2$  mm

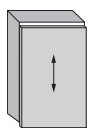
### IMPORTANT

To determine the correct application Grass strongly recommends a trial mounting for all hinges and base plates.

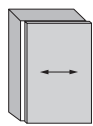


## Adjustment

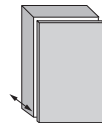
## Cup dimensions



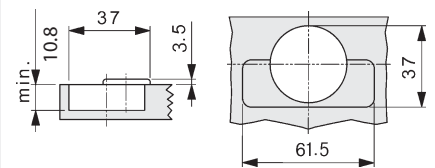
Height  
adjustment  
 $\pm 2$  mm



Side  
adjustment  
 $\pm 2$  mm



Depth  
adjustment  
 $\pm 2$  mm

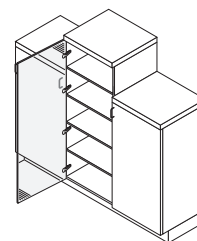


# Nexis 17 GL

## 95° glass door hinge



- 3-dimensional adjustment with suitable base plate
- Glass door hinge, 26mm cup diameter
- For glass thickness 4 to 6 mm
- Self-close hinges available





### Full Overlay Cranking 00 Opening angle 95°



Hinge cup: black plastic  
Hinge arm: steel, nickel-plated

Item No.
146.017.93.0084
PU 250 pieces



Cover caps for cranking 00	Item No.	PU
	Steel, nickel-plated, without imprint	514.300.21.0215 1000
	Black plastic, without imprint	514.000.22.9662 1000
Imprinting available upon special request.		
*Use 08 cover cap with Full overlay hinge for glass doors.		

### Half Overlay Cranking 08 Opening angle 95°



Hinge cup: black plastic  
Hinge arm: diecast, nickel-plated

Item No.
146.117.93.0884
PU 250 pieces



Cover caps for cranking 08	Item No.	PU
	Steel, nickel-plated, without imprint	514.300.21.0215 1000
	Black plastic, without imprint	514.000.22.9662 1000
Imprinting available upon special request.		
*Use 00 cover cap with Half overlay hinge for glass doors.		

### Inset Cranking 15 Opening angle 95°

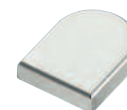


Hinge cup: black plastic  
Hinge arm: diecast, nickel-plated

Item No.
146.117.93.1584
PU 250 pieces

Cover caps for cranking 15	Item No.	PU
	Steel, nickel-plated, without imprint	514.300.22.0015 1000
	Black plastic, without imprint	514.000.22.9662 1000
Imprinting available upon special request.		
*Use 08 cover cap with Inset hinge for glass doors.		

### Decorative cover caps



Color	Item No.
nickel, velour	359.000.81.1016
nickel, textured	359.000.81.1019
brass, textured	359.000.81.1035
black	359.000.81.1062
PU 25 pieces	



Color	Item No.
nickel, velour	359.000.81.1616
nickel, textured	359.000.81.1619
brass, textured	359.000.81.1635
brushed chrome	359.000.81.1646
black	359.000.81.1662

PU 25 pieces

PU = packaging unit

Soft-close/UniSoft  
Tipmatic

Page 48  
Page 56

Base plates

Page 44

Machinery  
Technical Information

Page 76  
Page 7

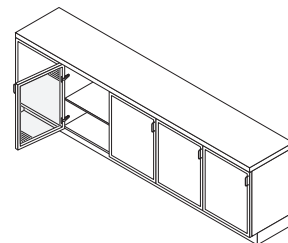


# Nexis 17 Flexible

## 95° hinge for aluminum frame profile



- 3-dimensional adjustment with suitable base plate
- For aluminium profile door:
  - Open groove on profile for flexible hinge placement
  - Tighten hinge with cam fixing
  - No milling of profile required
- Self-closing hinges available



### Full overlay      Cranking 00      Opening Angle 95°



Hinge cup: diecast, nickel-plated  
Hinge arm: steel, nickel-plated

#### Item No.

146.617.06.0015

PU 250

#### Cover caps for cranking 00



Steel, nickel-plated, without imprint

Item No.

514.300.22.0015

PU

1000

Black plastic, without imprint

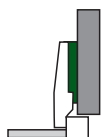
514.000.22.9662

1000

Imprinting available upon special request.

\*Use 08 cover cap with Full overlay flexible aluminum hinges.

### Half overlay      Cranking 08      Opening Angle 95°



Hinge cup: diecast, nickel-plated  
Hinge arm: diecast, nickel-plated

#### Item No.

146.717.06.0815

PU 250

#### Cover caps for cranking 08



Steel, nickel-plated, without imprint

Item No.

514.300.21.0215

PU

1000

Black plastic, without imprint

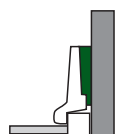
514.000.02.9762

1000

Imprinting available upon special request.

\*Use 00 cover cap with Half overlay flexible aluminum hinges.

### Inset      Cranking 15      Opening Angle 95°



Hinge cup: diecast, nickel-plated  
Hinge arm: diecast, nickel-plated

#### Item No.

146.717.06.1515

PU 250

#### Cover caps for cranking 15



Steel, nickel-plated, without imprint

Item No.

514.300.22.0015

PU

1000

Black plastic, without imprint

514.000.22.9662

1000

Imprinting available upon special request.

\*Use 08 cover cap with Inset flexible aluminum hinges.

### Aluminium profile set



1 set consists of:

1 x aluminum profile, length 3m [118 1/8"]

1 x cover profile, length 3m [118 1/8"]

1 x glass gasket, length 3m [118 1/8"]

#### Item No.

924.000.03.2600

PU 26 sets

### Corner connector



for maximum door  
sizes of 50 x 90 cm

#### Item No.

363.200.01.0015

PU 500

#### Information:

It is necessary for the screws to be tightened with a torque of 2.5 Nm.

When using glass thinner than 4 mm, we recommend bonding the glass to the frame.

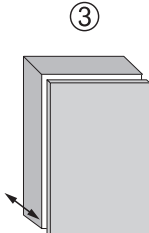
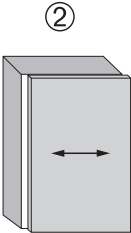
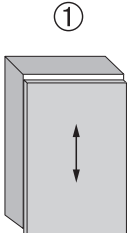
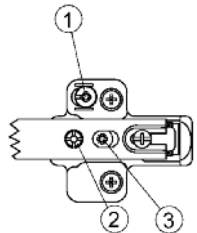
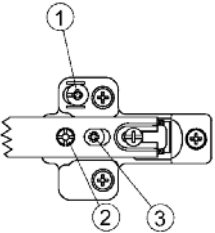
PU = packaging unit





# Nexis base plates

For Nexis Impresso and Nexis hinges

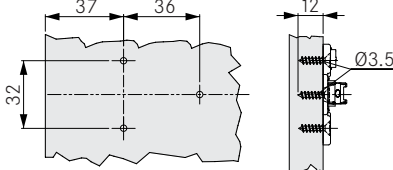
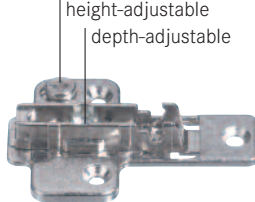


- Steel, nickel-plated
- Height and depth adjustment via eccentric cam
- Side adjustment via hinge

All adjustment options are independent of one another.

Cam base plate, 3-point fixing

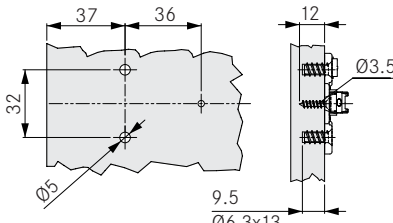
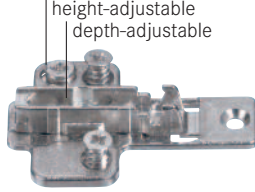
For wood screw



Height	Item No.
00	314.493.70.0015
02	314.493.70.0215
04	314.493.70.0415
08	314.493.70.0815
PU 250 pieces	

Cam base plate, 3-point fixing

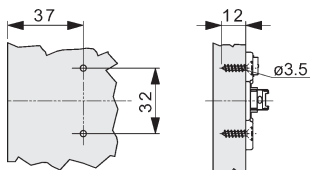
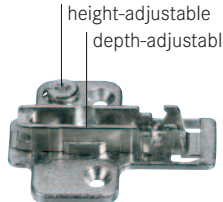
With pre-mounted Euro screws



Height	Item No.
00	318.493.70.0015
02	318.493.70.0215
04	318.493.70.0415
08	318.493.70.0815
PU 250 pieces	

Cam base plate, 2-point fixing

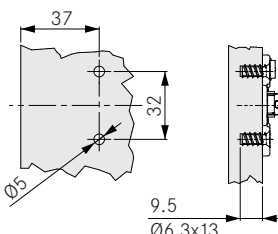
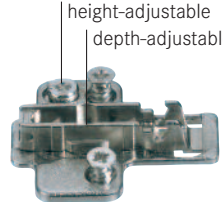
For wood screw



Height	Item No.
00	314.493.71.0015
02	314.493.71.0215
04	314.493.71.0415
06	314.493.71.0615
08	314.493.71.0815
PU 250 pieces	

Cam base plate, 2-point fixing

With pre-mounted Euro screws

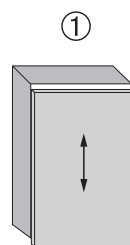
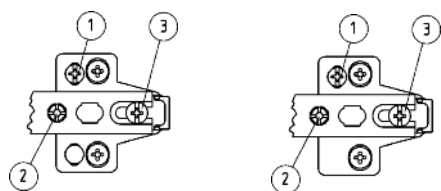


Height	Item No.
00	318.493.71.0015
02	318.493.71.0215
04	318.493.71.0415
06	318.493.71.0615
08	318.493.71.0815
PU 250 pieces	

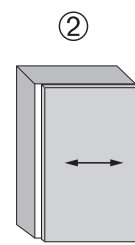
PU = packaging unit

# Nexis base plates

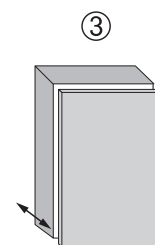
For Nexis Impresso and Nexis hinges



Height adjustment  
±2 mm



Side adjustment  
+1/-3 mm



Depth adjustment  
+3/-1 mm

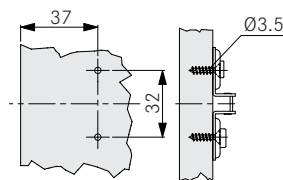
All adjustment options are independent of one another.

## Cam height adjustable base plate, 2 - point fixing

### For wood screw



Height adjustable via eccentric cam.



\*Special order only- Requires minimum order plus a 12 week lead time.

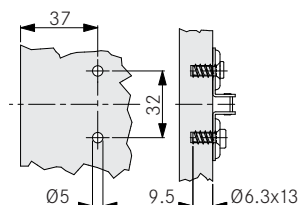
Height	Item No.
00	314.393.69.0015
02	314.393.69.0215
04	*314.393.69.0415
PU 250 pieces	

## Cam height adjustable base plate, 2 - point fixing

### With pre-mounted Euro screws



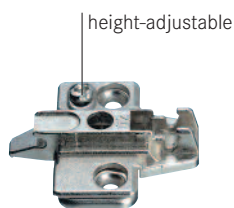
Height adjustable via eccentric cam.



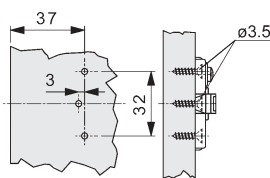
Height	Item No.
00	318.393.69.0015
02	318.393.69.0215
04	318.393.69.0415
PU 250 pieces	

## 2 piece height adjustable base plate, 3-point fixing

### For wood screw



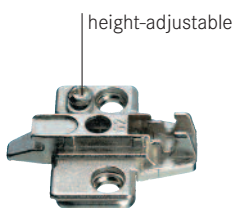
Height adjustable via screw.



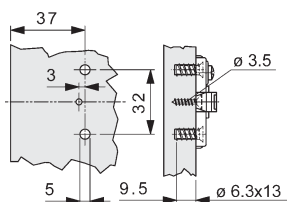
Height	Item No.
00	315.393.55.0015
02	315.393.55.0215
04	315.393.55.0415
08	315.393.55.0815
18	315.393.55.1815
PU 250 pieces	

## 2 piece height adjustable base plate, 3-point fixing

### For Euro screws



Height adjustable via screw.

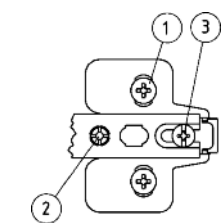


Height	Item No.
00	317.393.56.0015
02	317.393.56.0215
04	317.393.56.0415
08	317.393.56.0815
18	317.393.56.1815
PU 250 pieces	

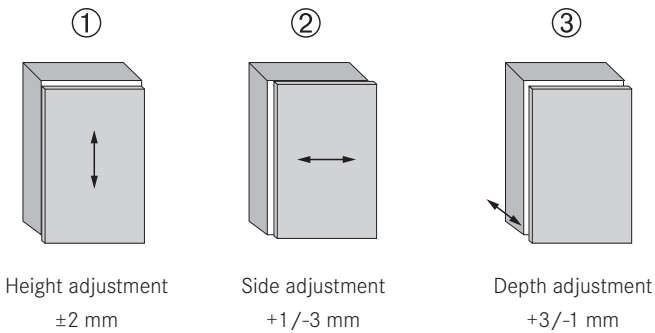
PU = packaging unit

# Nexis base plates

For Nexis Impresso and Nexis hinges



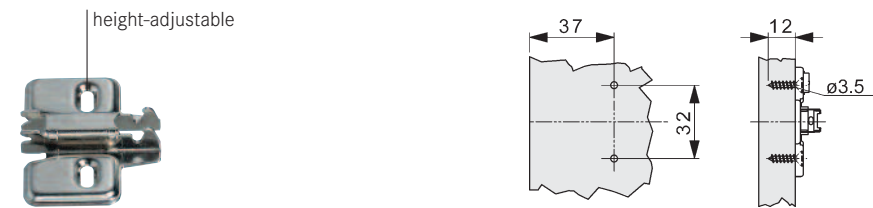
- Steel, nickel-plated
- Height adjustment via elongated hole



All adjustment options are independent of one another.

Wing steel plate, 2-point fixing

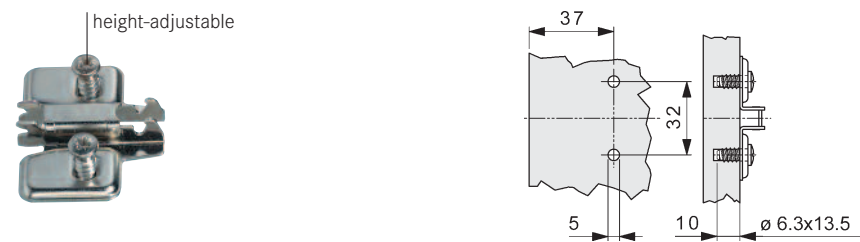
For wood screw



height	Item No.
00	314.393.81.0015
02	314.393.81.0215
04	314.393.81.0415
PU 250 pieces	

Wing steel plate, 2-point fixing

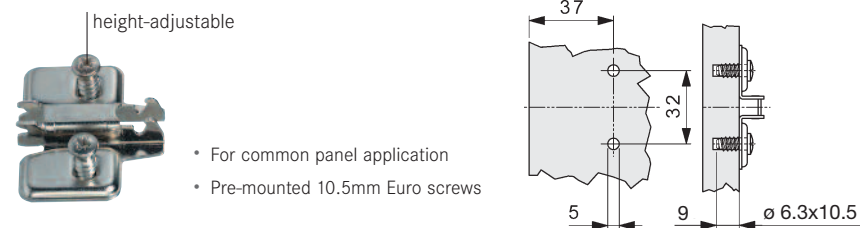
With pre-mounted Euro screws



height	Item No.
00	318.393.81.0015
02	318.393.81.0215
04	318.393.81.0415
PU 250 pieces	

Wing steel plate, 2-point fixing

With pre-mounted Euro screws



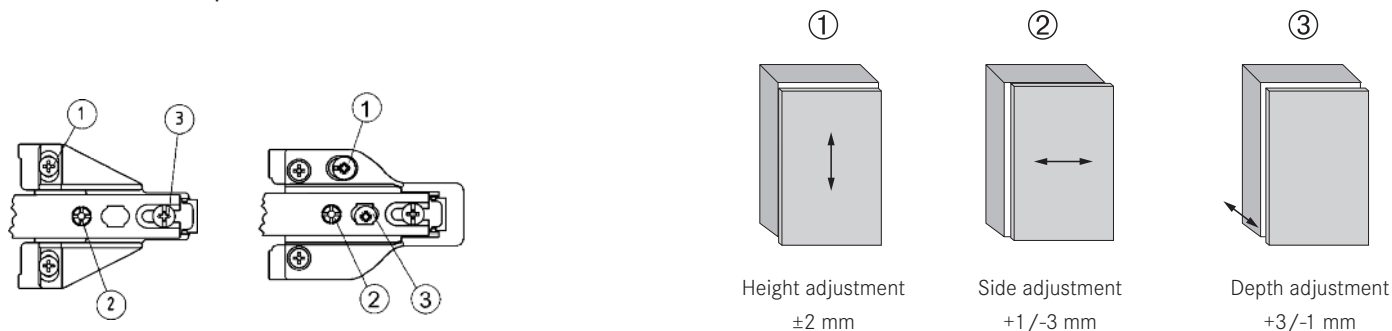
height	Item No.
00	346.393.92.1015
PU 250 pieces	

PU = packaging unit

# Nexis face frame adapter base plates



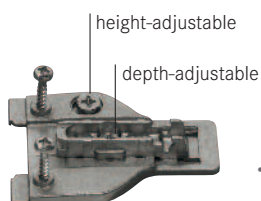
For Nexis Impresso and Nexis



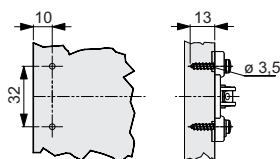
All adjustment options are independent of one another.

## FFA Cam base plate

## With pre-mounted wood screws



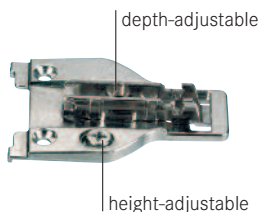
- Height and depth adjustment via eccentric cam



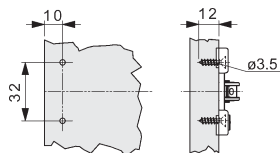
Height	Item No.
00	346.290.92.0015
02	346.290.92.0215
04	346.290.92.0415
PU 250 pieces	

## FFA Cam base plate

## For wood screw



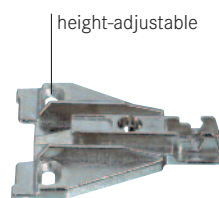
- Height and depth adjustment via eccentric cam



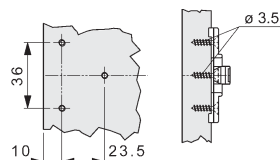
Height	Item No.
00	346.290.91.0015
02	346.290.91.0215
04	346.290.91.0415
PU 250 pieces	

## FFA base plate

## For wood screw



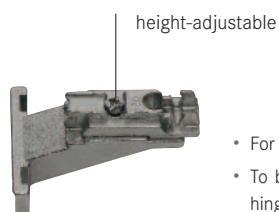
- Height adjustment via elongated hole



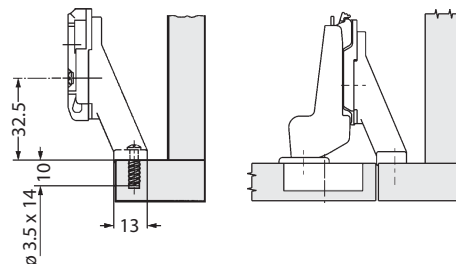
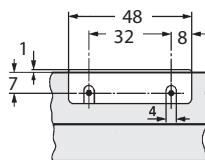
Height	Item No.
00	346.290.88.0015
04	346.290.88.0415
PU 250 pieces	

## Inset FFA base plate

## For wood screw



- For Inset doors
- To be used with hinges cranking 08
- Height adjustment via screw



Height	Item No.
02	346.290.90.0215
PU 250 pieces	

## Soft-close for hinges

Add a touch of luxury to your cabinet door



**Soft-close, a unique controlled closing device, can be fitted on to the Nexis Impresso and Nexis hinges. The Soft-close adds a cushion that controls and slows the door to a gentle, quiet stop.**

**Soft-close® for Nexis Impresso and Nexis. The unique shock absorber system for cabinet doors.**

The elegant design and state of the art technology of the Nexis Soft-close make the perfect combination for the Nexis Impresso and Nexis hinge series.

Perfect for any application or situation where you want the doors to operate quietly on any type of flat panel door. Adding the Soft-close damper to your doors creates a cushion effect that controls and slows the door closing to a gentle stop. The

number of Soft-close dampers per door depends on its size and weight. The Soft-close attaches easily without tools and can be added right from the start or as an addition later on.

### **UniSoft, Soft-close adapter**

The UniSoft works for the Nexis Impresso and Nexis full overlay applications on flat panel doors and 5 panel doors. The UniSoft mounts independently from the hinge in the upper corner of your cabinet. Its brushed nickel look blends well with the hinge finish. The UniSoft can be adjusted by the turn of a screw to the desired closing speed. The UniSoft can be installed at any time during the production process or by the end user after the cabinetry is installed.



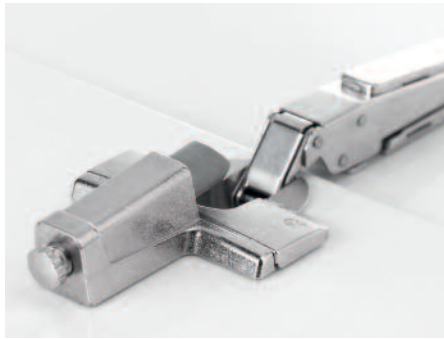
III > **softclose**

Page		
	<b>Soft-close Impresso</b> <ul style="list-style-type: none"> <li>• For most hinges in the Nexis Impresso series</li> <li>• Install and remove without tools</li> </ul>	50
	III > <b>softclose</b>	
	<b>Soft-close Nexis</b> <ul style="list-style-type: none"> <li>• For most hinges in the Nexis series</li> <li>• Install and remove without tools</li> </ul>	51
	III > <b>softclose</b>	
	<b>Soft-close 170°</b> <ul style="list-style-type: none"> <li>• For Impresso 170° and Nexis 170° wide-angle hinges</li> <li>• Install and remove without tools</li> </ul>	52
	III > <b>softclose</b>	
	<b>UniSoft soft-close adapter</b> <ul style="list-style-type: none"> <li>• Works for face frame cabinets on all door overlays</li> <li>• Works for frameless cabinets on full overlay doors</li> <li>• Easy to mount</li> </ul>	53
	↳ <b>unisoft</b>	
	<b>Soft-close Flushmount</b> <ul style="list-style-type: none"> <li>• Soft-close solution for face frame cabinets</li> <li>• Mounts into a mortise in the door stile</li> </ul>	54
	III > <b>softclose</b>	

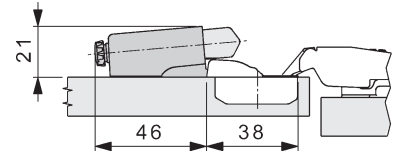


# Soft-close Nexis Impresso

For Nexis Impresso 95°, 100°, 110°, and 125° hinges

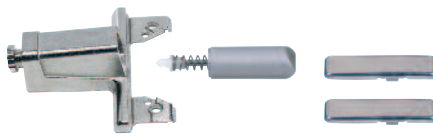


- Soft-close adapter for Nexis Impresso hinges
- Slows door action, to close quietly
- Quick and easy to attach
- Completely toolless
- Damping force can be individually adjusted
- Best suited for flat panel doors



III > **softclose**

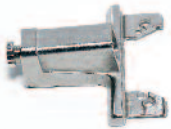
## Soft-close Impresso set



- 1 set consists of:
- 1 Soft-close adapter for Nexis Impresso hinges
  - 1 Soft-close damper
  - 2 cover caps

Item No.
924.200.55.0115
PU 125 set

## Soft-close Impresso adapter



Item No.
924.200.55.0015
PU 125 pieces

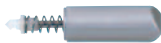
## Cover cap for hinges cranking 00



Soft-close compatible  
Steel, nickel-plated, without imprint  
Imprinting available upon request

Item No.
514.300.21.0215
PU 1000 pieces

## Soft-close damper



Item No.
924.012.50.0142
PU 125 pieces

## Cover cap for hinges with cranking 08 and 15

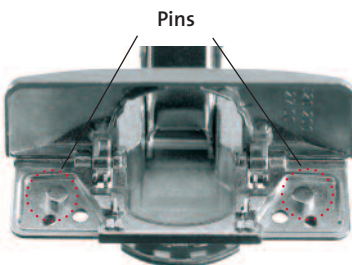


Soft-close compatible  
Steel, nickel-plated, without imprint  
Imprinting available upon request

Item No.
514.300.22.0015
PU 1000 pieces

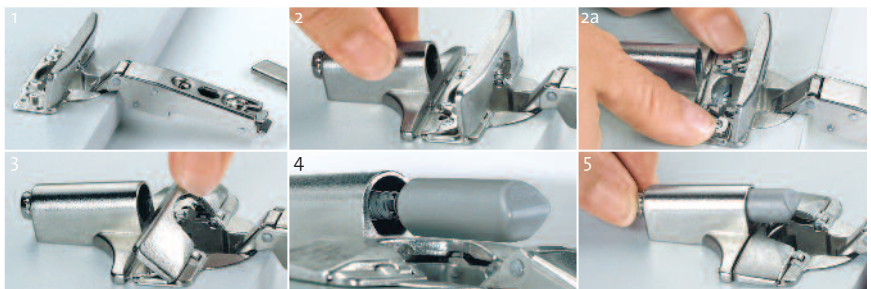
## Mounting Instructions for Soft-close Impresso

### Soft-close® Impresso



#### Please check:

Are locator pins attached to the hinge cup?



- 1 Take door off the cabinet, remove cover cap (if installed) on 00 cranking hinges, open flap of hinge cup.
- 2 Insert Soft-close Impresso adapter onto locator pins which are attached to the hinge cup.
- 3 Close Impresso flap of hinge cup completely.
- 4 Insert Soft-close damper completely into Soft-close adapter with the flattened side pointing down.  
Mount cabinet door to base plates.  
Mount cover cap on hinge if desired (cover cap is included in set).
- 5 Adjust Soft-close Impresso if necessary via adjustment screw.
- 6 For flat panel doors.

#### Important note

The installation of our cabinetry hardware must comply with the Grass instructions that are stated in our available sales brochures; otherwise, Grass cannot be held liable. The company cannot accept any liability in the case of incorrect handling. If further information regarding installation and assembly is needed, please contact our factory directly. **NOTE: For recommended position of Soft-close, please see page 52.**

PU = packaging unit



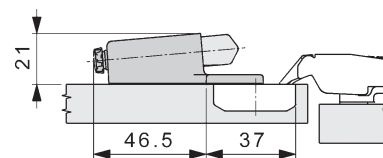
# Soft-close Nexis



For Nexis 95°, 100°, 110°, and 125° hinges



- Soft-close adapter for Nexis hinges
- Slows door action, to close quietly
- Quick and easy to attach
- Completely toolless
- Damping force can be individually adjusted
- Perfect retrofit solution



III > **softclose**

## Soft-close set



1 set consists of:

- 1 Soft-close adapter with pre-mounted Soft close damper for Nexis hinges
- 1 cover cap for hinge cup
- 2 cover caps for hinge arm

Item No.

924.200.40.0115

PU 125 sets

## Soft-close adapter



Item No.

924.200.40.0215

PU 125 pieces

## Cover cap for hinges cranking 00



Item No.

514.300.21.0215

PU 1000 pieces

Soft-close compatible  
Steel, nickel-plated, without imprint  
Imprinting available upon request

## Cover cap for hinge cup



Steel, nickel-plated

Item No.

514.300.20.0115

PU 125 pieces

## Cover cap for hinges with cranking 08 and 15



Item No.

514.300.22.0015

PU 1000 pieces

Soft-close compatible  
Steel, nickel-plated, without imprint  
Imprinting available upon request

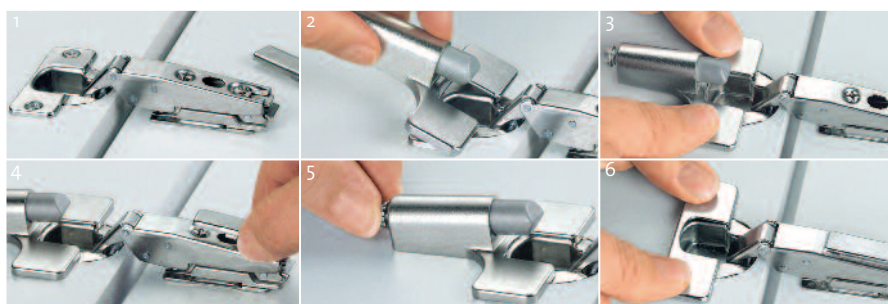
## Mounting Instructions for Soft-close

### Soft-close® Nexis



**Please check:**

Are notches located on both sides of the hinge cup?



- 1 Remove cover cap (if installed) on 00 cranking hinges.
- 2 Insert Soft-close Nexis adapter into notches located on the sides of the hinge cup and attach adapter.
- 3 Press both sides of the adapter downward until you hear a noticeable "click".
- 4 Mount cover cap on hinge if desired (cover cap is included in set).
- 5 Adjust Soft-close Nexis if necessary via adjustment screw.
- 6 Use cover for hinge cup (included in set) for the hinge without Soft-close Nexis to achieve a uniform appearance.

## Important note

The installation of our cabinetry hardware must comply with the Grass instructions that are stated in our available sales brochures; otherwise, Grass cannot be held liable. The company cannot accept any liability in the case of incorrect installation. If further information regarding installation and assembly is needed, please contact our factory directly.

**NOTE: For recommended position of Soft-close, please see page 52.**

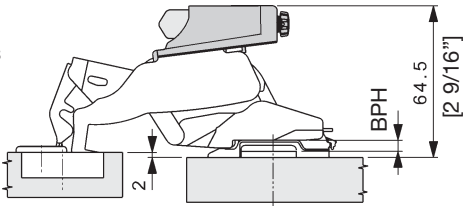
PU= Packing Unit

# Soft-close 170°

For Nexis Impresso 170° and Nexis 170° wide-angle hinges



- Soft-close adapter for 170° wide angle hinges
- Slows door action, to close quietly
- Simply snap in place
- Completely toolless
- Perfect retrofit solution



Drawing with base plate, height 02

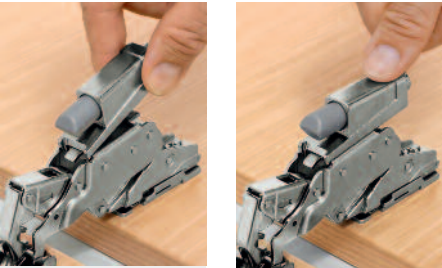
III > **softclose**

## Soft-close 170°

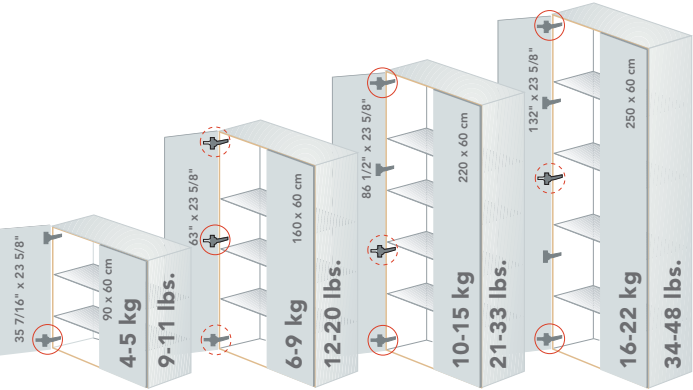


Soft-close adapter for Nexis Impresso 170° and Nexis 170° - wide-angle hinges with pre-mounted Soft-close damper

Item No.
924.200.46.1115
PU 125 pieces



## Recommended position for Soft-close Impresso, Nexis, and 170°



- Recommended position for Soft-close
- ⊙ Position for additional Soft-close (where required)

### Important note

The installation of our cabinetry hardware must comply with the Grass instructions that are stated in our available sales brochures; otherwise, Grass cannot be held liable. The company cannot accept any liability in the case of incorrect installation handling. If further information regarding installation and assembly is needed, please contact our factory directly.

PU = packaging unit

## Soft-close for doors



- Works for face frame cabinets on all door overlays
- Works for frameless cabinets on full overlay doors
- Blends in well with hinge finish
- Non-handed with a low profile design
- Manually adjustable to desired closing speed
- Easy to mount by locating in the corner
- Scratch protector and front bumper with cushion for a quiet close

unisoft

### UniSoft adapter



The UniSoft mounts independently from the hinge in the upper corner of your cabinet and instantly allows the cabinet door to close quietly and smoothly. Its sleek brushed nickel look houses the UniSoft damper. The UniSoft can be adjusted by the turn of a screw to the desired closing speed.

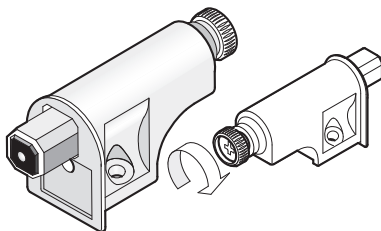
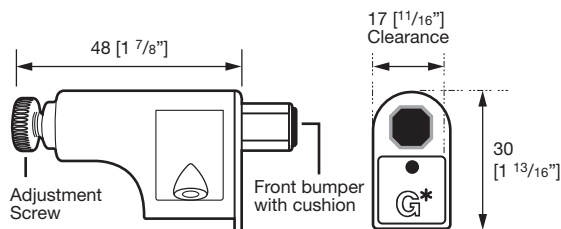
Item No.	Item No.	Item No.
18971-37	18971-40	18971-14
PU 1/125	PU 25/125	PU 250

PU 1/125 = 1 pc. in a polybag / 125 bags = 125 pcs. per box

PU 25/125 = 25 pcs. in a polybag / 5 bags = 125 pcs. per box

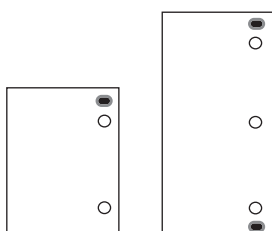
PU 250 = 250 pcs. bulk packed

**All packaging includes #6 x 3/4" Pan head screw and installation sheet.**



### Adjustment

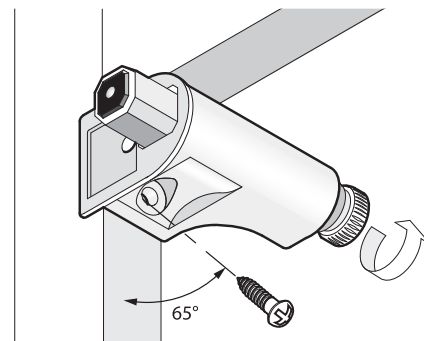
Turn adjustment screw to move damper in and out. Adjust in for heavier doors or out for light doors. Use Phillips or Pozidrive screwdriver or adjust manually.



### Number of UniSoft per door

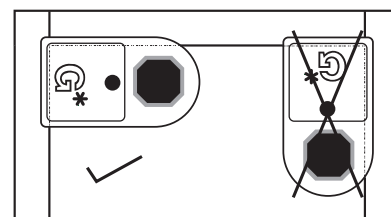
Use one UniSoft for most applications. For heavier doors use two or more.  
**Trial mount recommended.**

- UniSoft
- Hinges



**Important:** Use a 65° angle for best base results. Pilot drill 2.3 mm [Ø3/32"] and 1/4" deep for a #6 x 3/4" Pan head screw recommended. Mount in upper corner on hinge side.

### Base



### Important note

The installation of our cabinetry hardware must comply with the Grass instructions that are stated in our available sales brochures; otherwise, Grass cannot be held liable. The company cannot accept any liability in the case of incorrect installation handling. If further information regarding installation and assembly is needed, please contact our factory directly.

# Soft-close Flushmount

## Soft-close Flushmount for wood doors



- Soft-close solution for face frame cabinetry
- Mounts into a mortise in the door stile
- One strike plate covers any door overlay
- Cover cap conceals cam fixing screw and closing speed adjustment screw

III > **softclose**

### Soft-close Flushmount Bulk



- 1 set consists of:
- 1 flushmount adapter
  - 1 universal strike plate



Item No.
924.200.36.8215
PU 125 sets loose

### Soft-close Flushmount Polybag



- 1 set consists of:
- 1 flushmount adapter
  - 1 universal strike plate
  - 1 cover cap



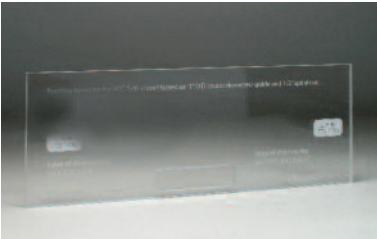
Item No.
924.200.36.9215
PU 125 sets individually polybagged

### Soft-close Flushmount Cover Cap



Item No.
514.000.85.0115
PU 125

### Soft-close Flushmount Routing Template - Template is required for installation

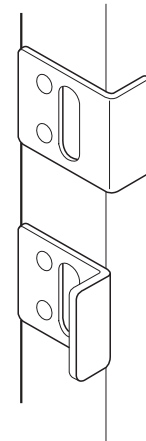
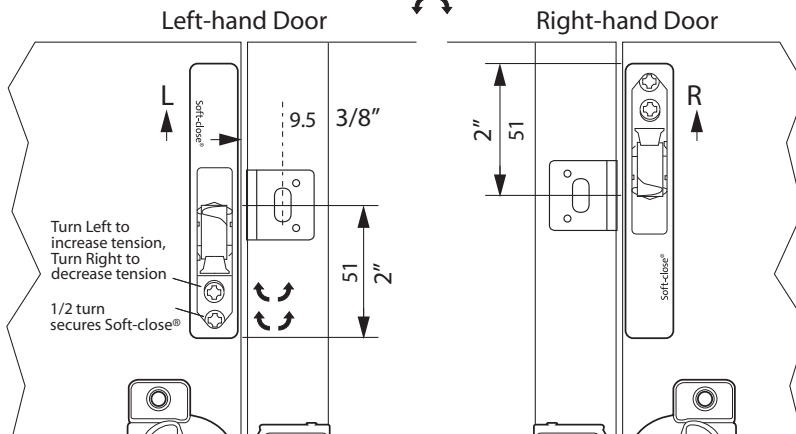


Item No.
949.304.05.0004
PU 125

PU = packaging unit

## Installation

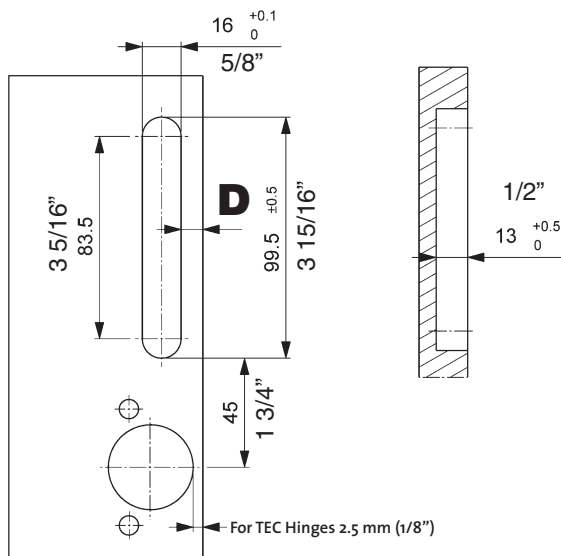
Reverse installation for Left or Right facing door.



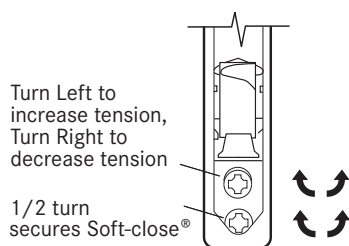
In Position  
for 1", 1 1/4", and 1 3/8".

Out Position  
for 7/16", 1/2", and 3/4".

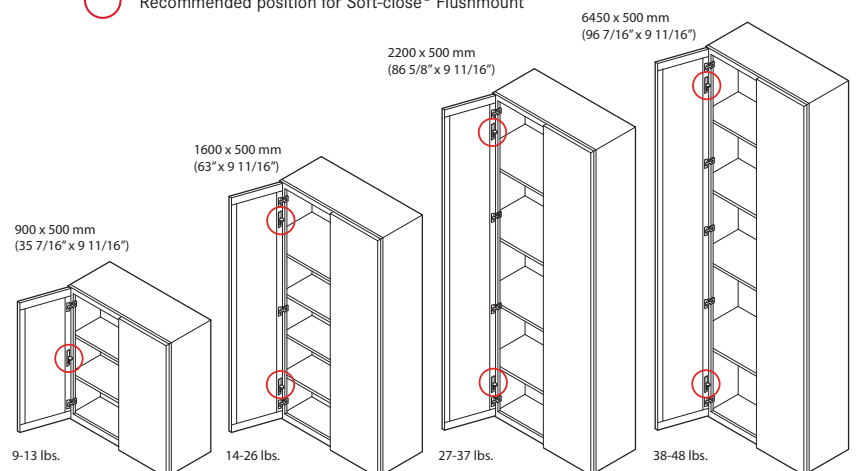
Refer to the chart below to determine if strike plate should be mounted in the "Out Position" or the "In Position".



Overlay Inches	Dimension D inches	mm	Strike Plate position
7/16"	3/8"	9.5	Out
1/2"	3/8"	9.5	Out
3/4"	3/8"	9.5	Out
1"	1/2"	12.7	In
1 1/4"	1/2"	12.7	In
1 3/8"	1/2"	12.7	In



Recommended position for Soft-close® Flushmount





## Tipmatic Plus

A gentle push and the doors seemingly open automatically



**This exclusive solution for handle-free cabinet doors will turn any cabinetry into something special.**

Tipmatic for the Nexis hinge series adds a new element for handle free doors. A gentle tap on the door is enough pressure to open the cabinet door to a convenient angle, making it comfortable and easy to grip the handle free door panel and open it further. When closing the door, another gentle push activates the magnets and keeps the doors closed. The Tipmatic Plus is the perfect solution when designing cabinetry without handles for a clean, modern design. The Tipmatic Plus is compatible with all Nexis free-swinging hinges and can be used with wood doors, aluminum frame doors, and glass doors.

The Tipmatic Plus consists of a Tipmatic adapter, Tipmatic ejector, magnetic pin, and counter plate. The Tipmatic can be installed on the hinge without the use of any tools. The magnetic pin is installed on the interior of the cabinet while the counter plate is glued or screwed onto the cabinet door.

|||> **tipmatic-plus**

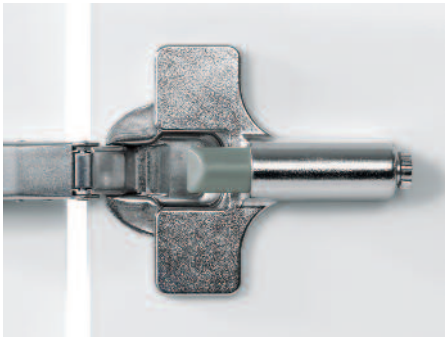


|||> **tipmatic**

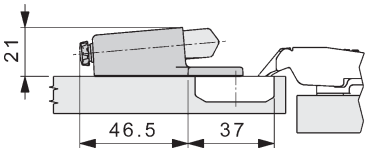
Tipmatic Plus		Page
	<div><b>Tipmatic Plus</b></div> <div><ul style="list-style-type: none"><li>• For Nexis free-swing hinges</li></ul></div> <div>III&gt; <b>tipmatic-plus</b></div>	58
Tipmatic		
	<div><b>Tipmatic for wooden doors and aluminum frame doors</b></div> <div><ul style="list-style-type: none"><li>• For Nexis free-swing hinges</li><li>• Mount on the front side of the cabinet or with an adapter plate</li></ul></div> <div>III&gt; <b>tipmatic</b></div>	60

# Tipmatic Plus

For Nexis free swing hinges

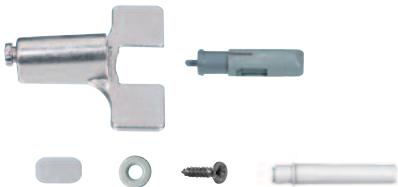


- Gently tapping the front causes the doors to open to a convenient angle
- Compatible with all free-swing hinges in the Nexis series
- Perfect retrofit solution



tipmatic-plus

## Tipmatic Plus set



- 1 set consists of:
- 1 Tipmatic Plus adapter
  - 1 Tipmatic Plus ejector
  - 1 counterplate for gluing
  - 1 counterplate for screw fixing incl. screw
  - 1 magnetic pin

Item No.
924.275.40.0315
PU 100 sets

## Linear adapter plate



- Linear adapter plate for magnetic pin
- Suitable for insets
  - Attach with wood screws (3.5 x 13 mm)

Item No.
63309-40
PU 25 pieces

## Frame adapter plate



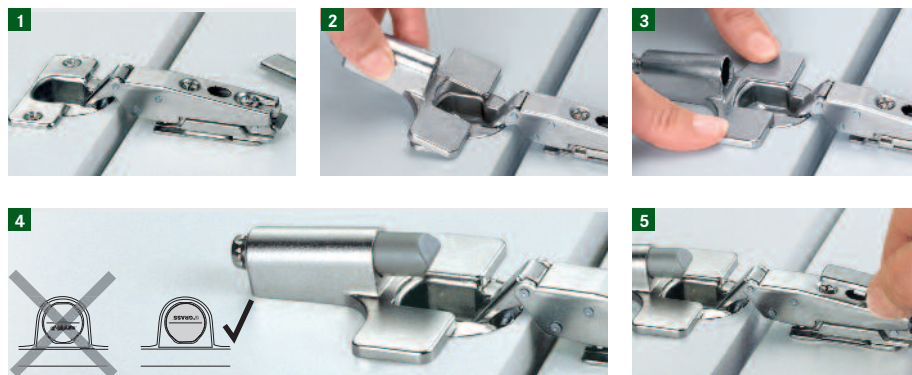
- Frame adapter plate for magnetic pin
- Quick upgrade installation
  - Attach with wood screws (3.5 x 13 mm)

Item No.
63311-40
PU 25 pieces

PU = packaging unit



## Installation of Tipmatic Plus

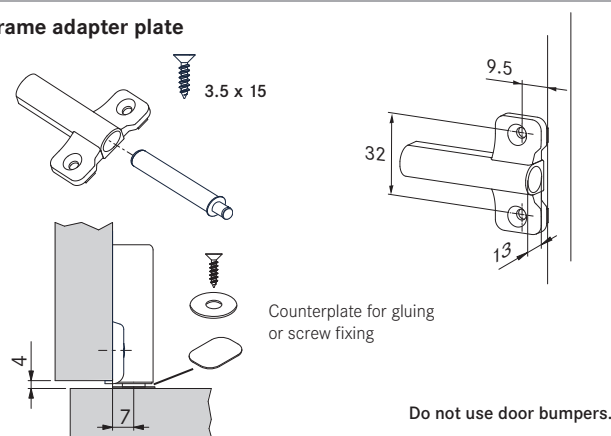


### Tipmatic Plus – quick and easy fitting.

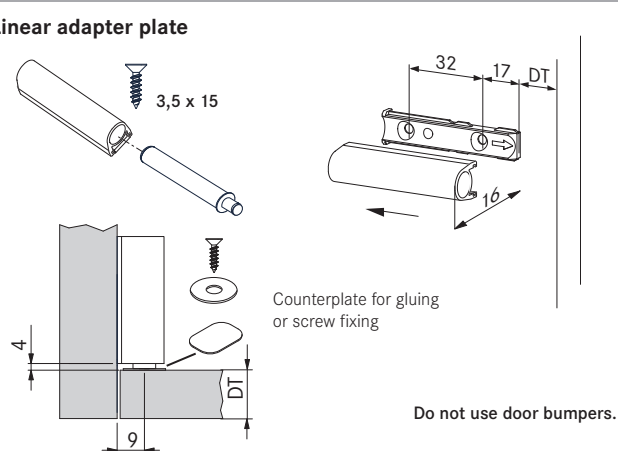
- 1 Remove hinge arm cover cap (where applicable).
- 2 Insert Tipmatic Plus with the two small hooks underneath into the recesses in the hinge cup, at a slight angle.
- 3 Push down both sides of the adapter simultaneously until it engages with an audible 'click'.
- 4 With the flatter side facing downwards, push the Tipmatic ejector fully into the adapter opening.
- 5 Adjust front gap, put on hinge arm cover cap (where applicable).

## Installation of Tipmatic Plus Adapter Plate

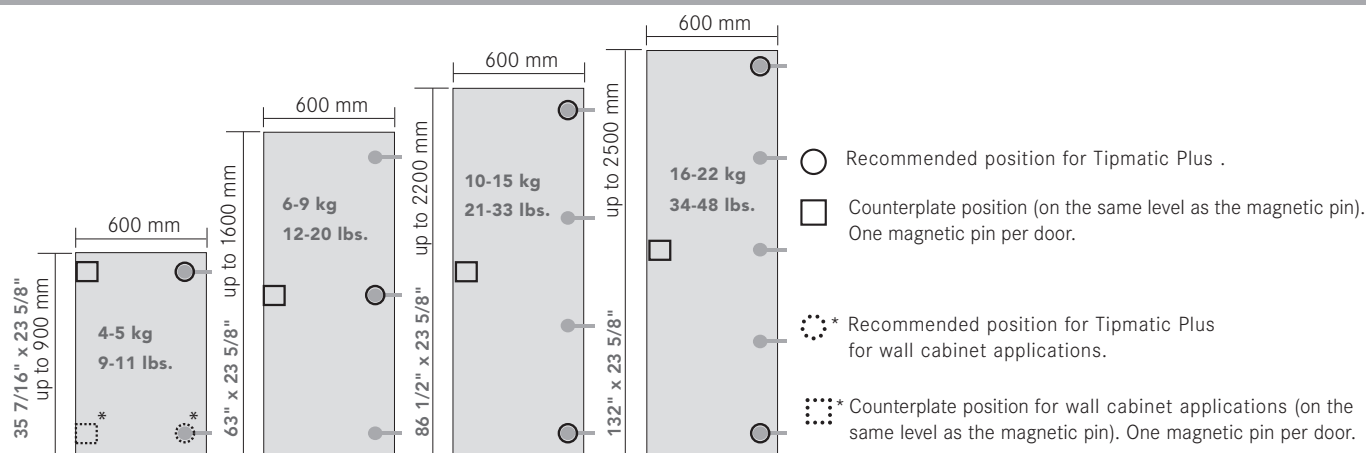
### Frame adapter plate



### Linear adapter plate



## Recommended position for Tipmatic Plus



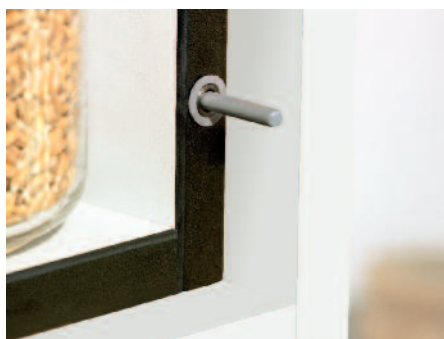
## Important notes

**Tipmatic Plus is only suitable for Nexis free-swing hinges.**

**Ensure that the surface is clean and fully degreased before gluing the adhesive plate.**

If Tipmatic Plus is used in conjunction with a different hold-closed system, Grass does not provide any guarantees.

The installation of our cabinetry hardware must comply with the Grass instructions that are stated in our available sales brochures; otherwise, Grass cannot be held liable. The company cannot accept any liability in the case of incorrect installation or handling. If further information regarding installation and assembly is needed, please contact our factory directly.



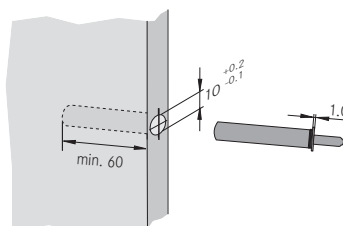
- Gently tapping the front causes the doors to open to a convenient angle
- Any free-swing hinges can be used
- Large magnet catch range – closes doors reliably
- Gap adjustment from 2.5 to 5.5 mm with integrated, self-locking and toolless depth adjustment feature
- Mount on the front side of the cabinet or with an adapter plate

III > tipmatic

### Tipmatic pin



- Incl. magnet, Ø 15 x 8 mm (hole edge cover 1 mm)
- Hole drilled from the front
- Plastic RAL 7036, platinum grey



### For drilling

Item No.

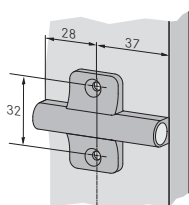
68873-06

PU 25 pieces

### Line Boring Adapter plate



- Suitable for line boring 28 and 37 mm
- Attach with Euro screws (6.3 x 13.5)
- Plastic RAL 7035, light grey



### For Euro screws

Item No.

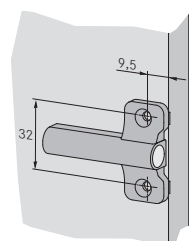
63310-40

PU 25 pieces

### Standard adapter plate



- Quick upgrade installation
- Attach with wood screws (3.5 x 13)
- Plastic RAL 7035, light grey



### For wood screws

Item No.

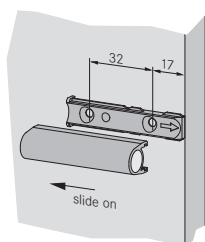
63311-40

PU 25 pieces

### Linear adapter plate



- Design solution – also suitable for insets
- Attach with wood screws (3.5 x 13)
- Plastic RAL 7035, light grey



### For wood screws

Item No.

63309-40

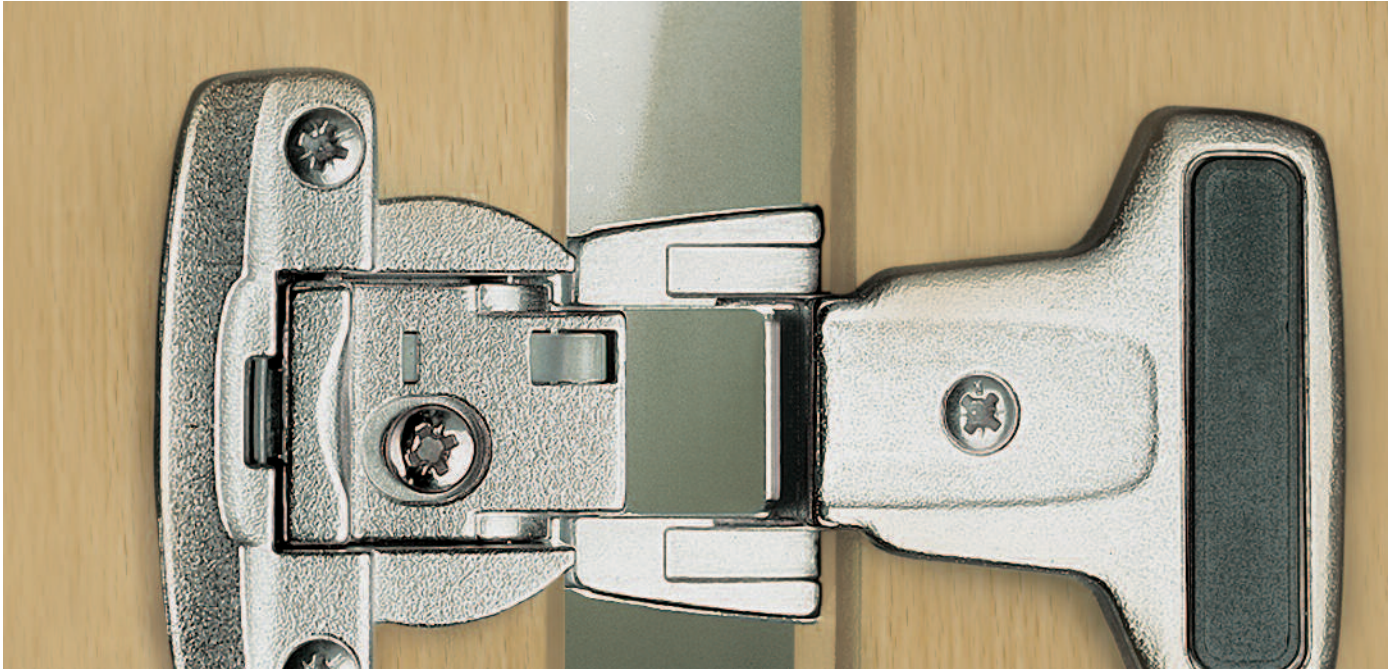
PU 25 pieces

PU = packaging unit



## Specialty hinge items

Add a touch of luxury to your cabinet door

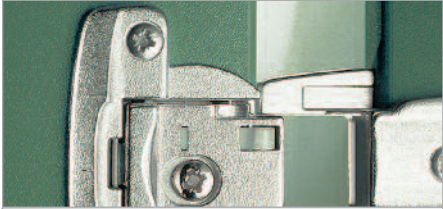



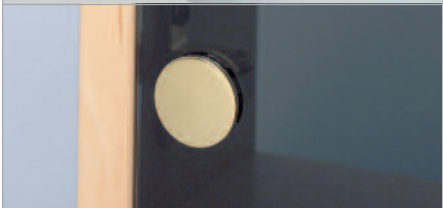
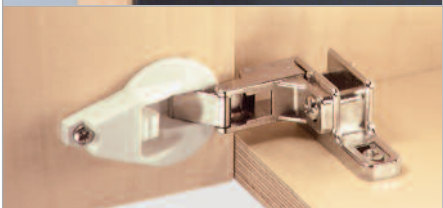




**Grass offers a wide variety of specialty hinge items to meet every application imaginable.**

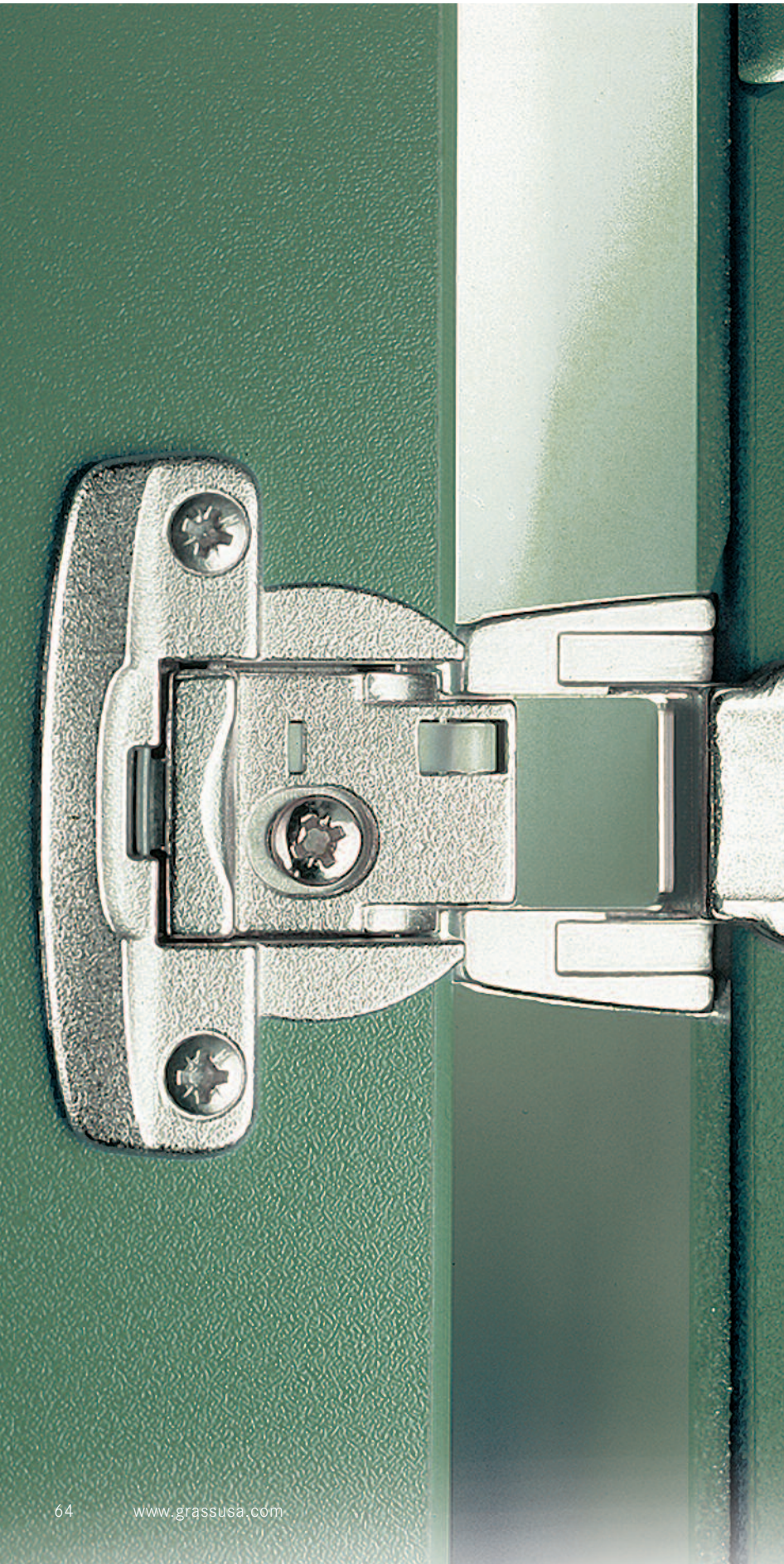
Whether you need an institutional hinge for a commercial application, a no-bore glass door hinge for a china cabinet or a steel door hinge for a medicine cabinet, Grass can provide you with a unique solution to your specific hardware application. Balancing convenience, function and reliability to make installation easier while reducing your labor cost is our goal. Grass also offers machinery for hinge door drilling and insertion. Choose from a selection of machinery that will fit your needs. And each Grass product is backed by our limited lifetime warranty.





Page		
	<b>Institutional Hinge</b> <ul style="list-style-type: none"> <li>• Die-cast construction for extreme durability</li> <li>• Full overlay, half overlay, inset and common panel</li> </ul>	64
	<b>illuxo</b> <ul style="list-style-type: none"> <li>• Interior light system</li> <li>• For Nexis hinges</li> </ul>	68
	<b>Nexis Slide-on 73</b> <ul style="list-style-type: none"> <li>• Single joint institutional hinge</li> <li>• 270° opening</li> </ul>	70
	<b>Glass Door Hinge</b> <ul style="list-style-type: none"> <li>• No bore hinge</li> <li>• Inset application</li> </ul>	72
	<b>Compact Glass Door Hinge</b> <ul style="list-style-type: none"> <li>• Inset application</li> <li>• One piece hinge</li> </ul>	73
	<b>Tri-view Mirror Hinge</b> <ul style="list-style-type: none"> <li>• For wood or steel doors</li> <li>• Concealed self-locking hinge</li> </ul>	74
	<b>Flap Hinge</b> <ul style="list-style-type: none"> <li>• 90° opening</li> <li>• 3 dimensional</li> </ul>	75
	<b>Machines</b> <ul style="list-style-type: none"> <li>• M2500</li> <li>• M850</li> <li>• Ecopress</li> </ul>	76





### **Institutional Hinges - Designed for high use environments**

Grass Institutional Hinges offer the perfect solution for institutional casework in schools, hospitals, commercial, and furniture environments where the cabinetry has a considerable amount of use. Distinguished by its outstanding durability based on all metal construction, this institutional hinge system is designed for frameless cabinetry and offers high load weight bearing capabilities.

### **Form. Fit. Function. Engineered to exceed your expectations**

Its sturdy design makes it your first choice in institutional cabinetry hardware.

The Grass Institutional Hinge has a 35 mm cup diameter with a 45/9.5 mm boring pattern. Mounting the hinge is extremely easy and can be achieved without the use of tools. The hinge cup and the hinge arm can be attached with the slight press of the finger. Your application, from an overlay, half overlay or inset, determines the opening angle from 180° to 270°. Engineered to exceed your hardware expectations, the Grass Institutional Hinge System is backed by our limited lifetime warranty.



## Mounting to cabinet



A slight press with the thumb securely connects the door with the cabinet.

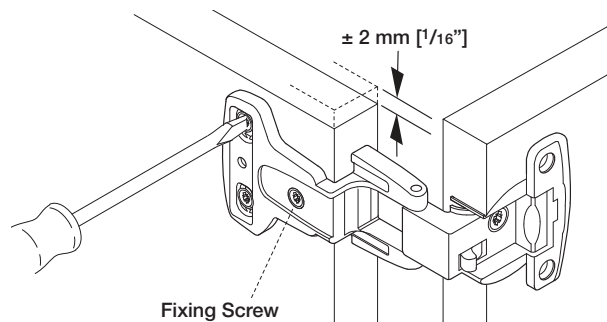
## Detaching from cabinet



Use flathead screwdriver to remove hinge arm from hinge cup with a simple twist.

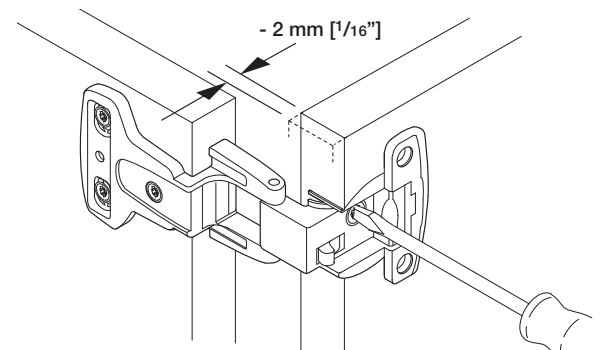
## Adjustments

### Height



1. Loosen fixing screw.
2. Adjust door  $\pm 2$  mm up and down.
3. Tighten fixing screw.

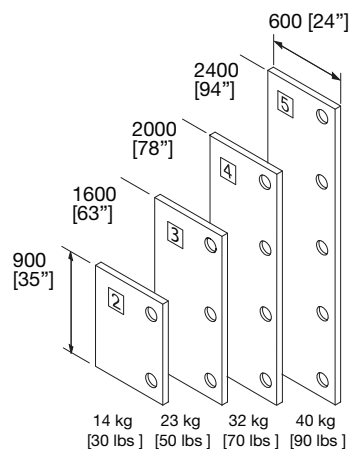
### Side-to-side



1. Adjust door 2 mm out via Cam adjustment screw.

## Number of Hinges Per Door

The number of hinges required depends on the size and weight of the door. The distance between the hinges should be spaced as wide as possible. Use the diagram to determine the number of hinges needed. These recommendations are for doors without accessory attachments.



## Institutional hinges



Nickel



Black

### Grass offers the best choice for institutional applications:

- Hinges made of zinc die-cast construction for extreme durability
- Recommended for side panel thicknesses of 19 mm [ $\frac{3}{4}$ "]
- Toolless snap-on mounting – quick and easy installation
- All types of hinge mounting (corner and center wall)
- Side-to-side adjustment of - 2mm [ $\frac{1}{16}$ "]
- Height adjustment of +/- 2mm [ $\frac{1}{16}$ "]
- Cover cap conceals mounting screws
- Available in black and nickel plated
- Designed for frameless cabinet construction
- Opening angles range from 180° to 270°
- \*Meets ANSI/BHMA A156.9 – 2003 Grade I requirements

\*Meets Grade I requirements when third screw and adjustment tabs are in place.

### How to specify hardware:

1. Choose screw-on or dowelled cup: one cup fits all hinge arms.
2. Choose hinge arm based on application (cover cap included).
3. Special #6.3 x 13.5 mm Euro screws (2) required for hinge arm mounting.  
Must be ordered separately.

#### MB 8010 Hinge Cup - 45mm pattern

#### Hinge Cup Item No.

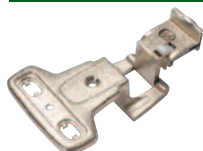


- Choose hinge arm below

Type	Nickel Plated	Black
Screw-on	M690.030.11.25	M690.030.11.18
Dowelled	M690.030.12.25	M690.030.12.18
PU 200 pieces		

#### MB 8310 Hinge Arm - Full Overlay

#### Hinge Arm Item No.



- 15 mm [ $\frac{1}{2}$ "] overlay

Nickel Plated	Black
M811.328.11.25	M811.328.11.18
PU 100 pieces	

#### MB 8510 Hinge Arm - Half Overlay

#### Hinge Arm Item No.

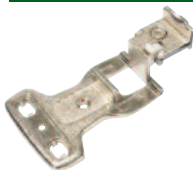


- 5.5 mm [ $\frac{1}{8}$ "] overlay

Nickel Plated	Black
M821.128.11.25	M821.128.11.18
PU 100 pieces	

#### MB 6110 Hinge Arm - Inset

#### Hinge Arm Item No.

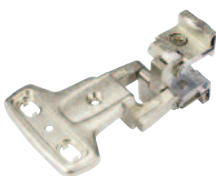


- Inset hinge

Nickel Plated	Black
M611.028.11.25	-
PU 100 pieces	

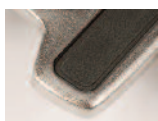
#### Common Panel

#### Hinge Arm Item No.



- 5.5 mm [ $\frac{1}{8}$ "] overlay

Cover cap included with hinge arm.



#### Euro Screws for Hinge Arm mounting

Size	Item # - Nickel Plated	Box Qty.
6.3 x 13.5 mm	B405.000.51.25	100

PU = packaging unit



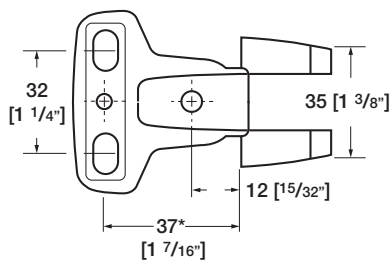
# Technical Specifications

Full overlay 270°	Half overlay 230°	Common Panel 180°	Inset 180°
			<p><b>X = 39 mm [1 17/32"] + Door Thickness</b></p>

## Assembly Details

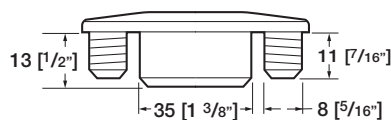
### Institutional hinges 32mm compatible

#### Hinge Arm

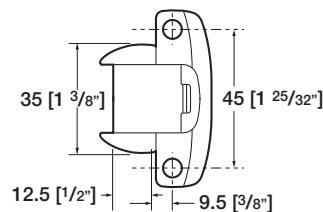


**\*For inset doors use:**  
**39 mm [1 17/32"] + Door Thickness**

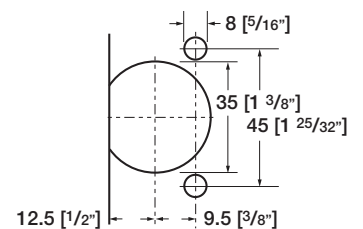
#### Cup Depth



#### Hinge Cup



#### Cup Drilling



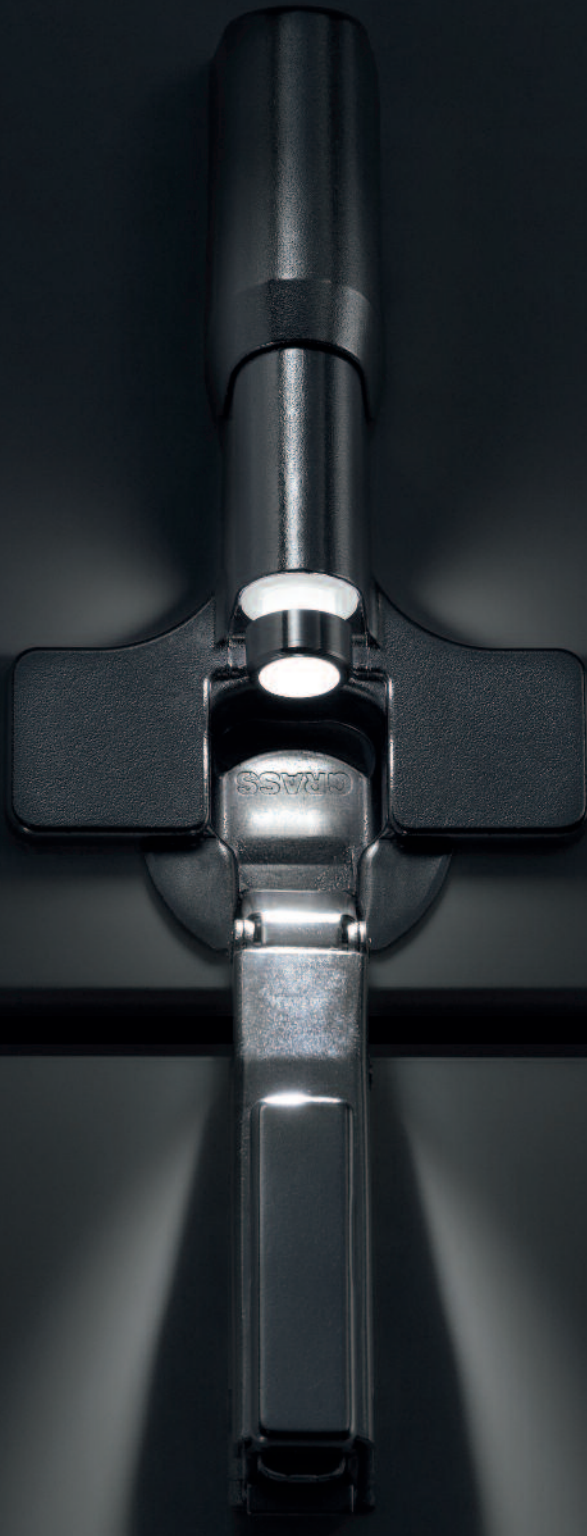
### Specifications

Application	Reveal	Opening Angle	Overlay
Full Overlay	4 [ 5/32"]	270°	15 [ 19/32"]
Half Overlay	13.5 [ 17/32"]	230°	5.5 [ 7/32"]
Common Panel	7 [ 5/32"]	180°	5.5 [ 7/32"]
Inset	3 [ 1/8"]	180°	-

### IMPORTANT

To determine the correct application Grass strongly recommends a trial mounting for all hinges and base plates.

Functionality and Elegance make a unique light system



**Pleasure and sense have perhaps never come so close.**

**illuxo not only offers functional light design but also a unique experience.**

The illuxo hinge-light system adds a fascinating facet to your cabinetry. Open a door with the illuxo and see a cast of light shine through your cabinetry. The illuxo has an elegant look and is easy to install on the Nexis hinge. It can be installed at any time and is battery powered so there is no need for wiring inside your cabinet. Functionality, technology and design all come together with the illuxo.



## LED light for Nexis hinges



- Can be added to existing installations
- Wireless power supply
- Energy-saving LEDs (The LED used corresponds to laser class 1)
- Toolless base
- Integrated automatic switching
- No heat produced
- Suitable for the following hinges:  
Nexis 110, Nexis 125, Nexis 95, Nexis 95/+30,  
Nexis 95/+45, Nexis 125/-14

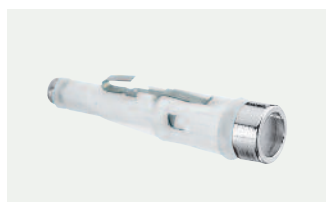
Not suitable for frame doors.

### illuxo

	light color	Item no.
illuxo set, white		924.200.40.7074
illuxo set, blue		924.200.40.7054
		PU 1 set

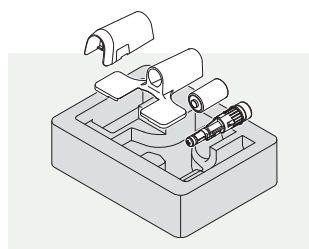
### Battery

	Item no.
Lithium battery 3,6 Volt 1/2 AA	924.000.70.0000
PU 1 piece	PU = packaging unit



### 1 set consists of:

- 1 illuxo adapter
- 1 LED-Spot (with white or blue light)
- 1 Battery cover cap
- 1 Battery



1



2



3



4



5



6

### Mounting is toolless, easy and quick:

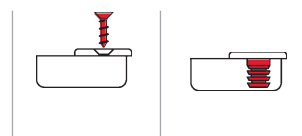
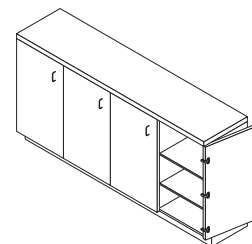
- 1 Take door off the cabinet. Insert illuxo adapter into notches located on the sides of the hinge cup and attach adapter.
- 2 Press both sides of the adapter downwards until you hear a audible "Click".
- 3 Insert LED-Spot into the illuxo adapter.
- 4 Insert LED-Spot completely into the adapter.
- 5 Insert battery into the battery cover cap.
- 6 Attach battery cover cap onto the illuxo adapter and snap onto adapter with soft pressure. Mount cabinet door onto base plates.

# Nexis Slide-on 73

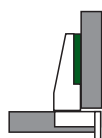
## 270° single-joint Institutional hinge



- 3-dimensional adjustment with suitable base plate
- For door thicknesses 15 to 21 mm
- For door overlay up to 16 mm [5/8"]
- Automatic hold-closed function
- ANSI - Grade 2



Full overlay	Cranking 00	Opening angle 270°	Screw-on	Dowelled
--------------	-------------	--------------------	----------	----------



Hinge cup: diecast, nickel-plated  
Hinge arm: diecast, nickel-plated

Pattern	Type		Item No.	PU
48	Hold-close	412.770.08.0015	412.770.09.0015	125

### Cover caps

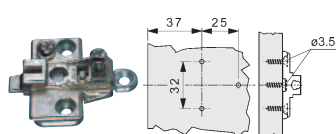


Steel, nickel-plated, without imprint  
Black plastic, without imprint  
Imprinting available upon request.

Item No.	PU
514.300.22.0015	1000
514.000.22.9662	1000

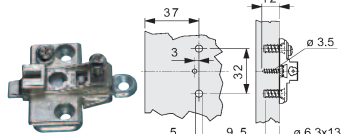
### Base plates, 2 and 3-point fixing

Zinc die-cast plate, nickel plated for wood screw



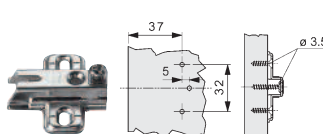
Thickness	Item No.
00	315.293.66.0015
02	315.293.66.0215
04	315.293.66.0415
PU 250 pcs.	

Zinc die-cast plate, nickel plated for Euro screw



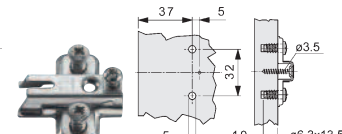
Thickness	Item No.
00	317.293.66.0015
02	317.293.66.0215
04	-
PU 250 pcs.	

Steel plate, nickel plated for wood screw



Thickness	Item No.
00	314.393.52.0015
02	-
04	314.393.52.0415
PU 250 pcs.	

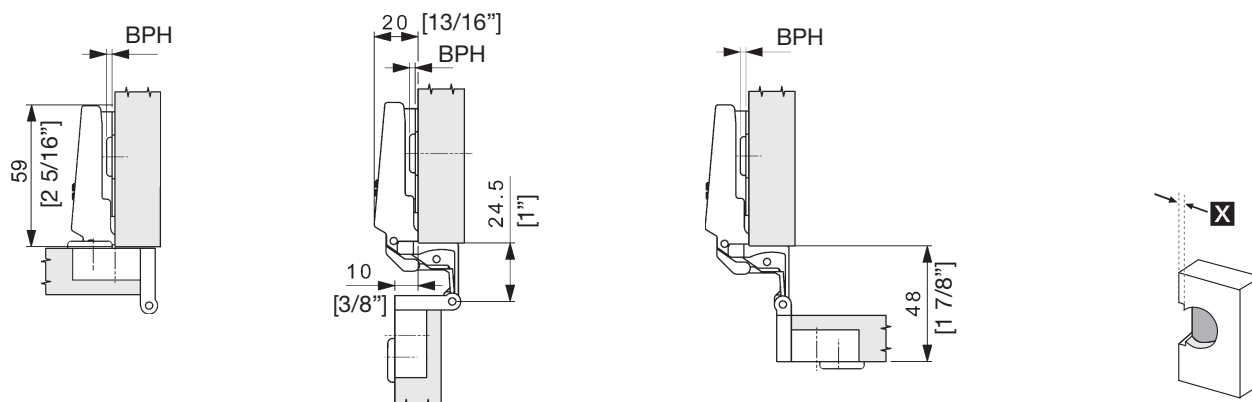
Steel plate, nickel plated with pre-attached Euro crews



Thickness	Item No.
00	318.393.52.0015
02	318.393.52.0215
04	-
PU 250 pcs.	

PU = packaging unit

## Full overlay



Drawing with base plate, height 00

## Door overlay

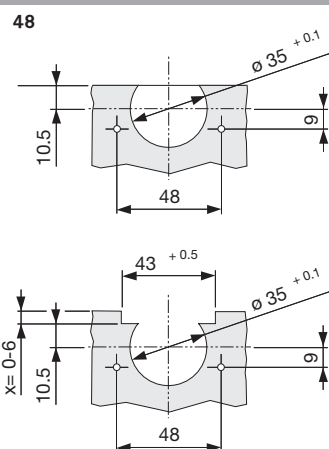
Hinge dimensions and calculation of gap with factory setting.

	Depth of cut-out (x)						
	6	5	4	3	2	1	0
16	0						
15		0					
14	2		0				
13		2		0			
12	4		2		0		
11		4		2		0	
10			4		2		0
9				4		2	
8					4		2
7						4	
6							4
Base Plate Height (BPH)							

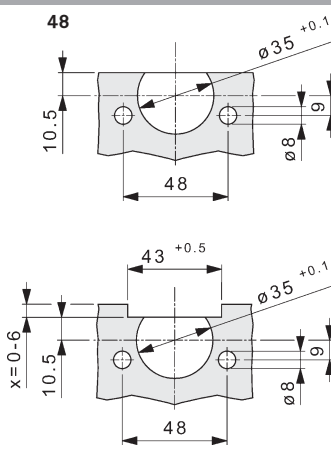
### IMPORTANT

To determine the correct application Grass strongly recommends a trial mounting for all hinges and base plates.

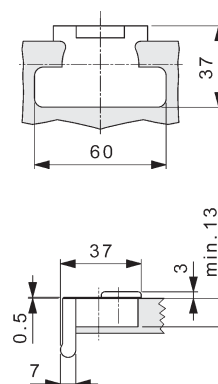
### Drilling patterns for screw on version



### Drilling patterns for dowelled version



### Cup dimensions



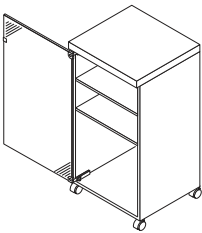


# Glass door hinge

## 180° No-bore glass door hinge



- Opening angle 180°
- Direct mounting on cabinet sidewall
- Inset application
- Includes self-adhesive pads
- Thickness of glass: 4-6 mm



No-bore hinge

LA/RB



Hinge cup/arm: Diecast, nickel-plated



Left side (above)  
Right side (below)

Item No.	
LA/RB	298.705.92.5015
PU 250 pieces	

RA/LB

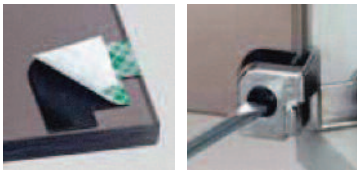
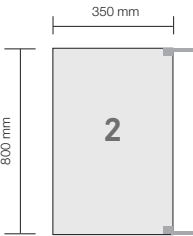
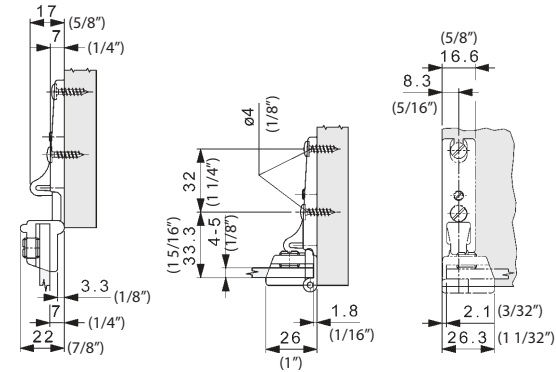


Hinge cup/arm: Diecast, nickel-plated



Right side (above)  
Left side (below)

Item No.	
RA/LB	298.705.92.5115
PU 250 pieces	



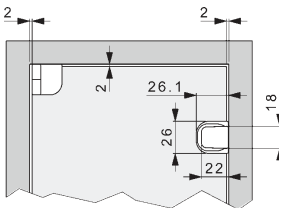
Stick the double-sided adhesive pad on the corner of the glass door. Peel off the foil. Place the glass door, the side with the pad facing outwards, into the mounted hinge. Tighten the fixing screw.

Pull



Diecast, nickel-plated fixing with double-sided adhesive pad

Item No.	
	371.290.00.0015
PU 250 pieces	



Stick the double-sided adhesive pad onto the glass door. Peel off the foil. Place the glass door, the side with the pad facing outwards, into the pull. Tighten the fixing screw.

**IMPORTANT**  
To determine the correct application Grass strongly recommends a trial mounting for all hinges and base plates.

PU = packaging unit

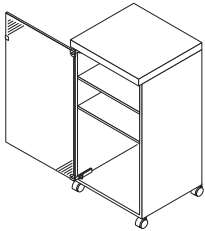
# Compact Glass Door Hinge



105° hinge for glass doors



- Opening angle 90° - 105°
- One piece hinge
- Inset application
- Solid brass door hinge
- Thickness of glass: 4.5 -6.5 mm
- Colors: Nickel plated, brass, antique brass



Left hand top, right hand bottom

Item No.

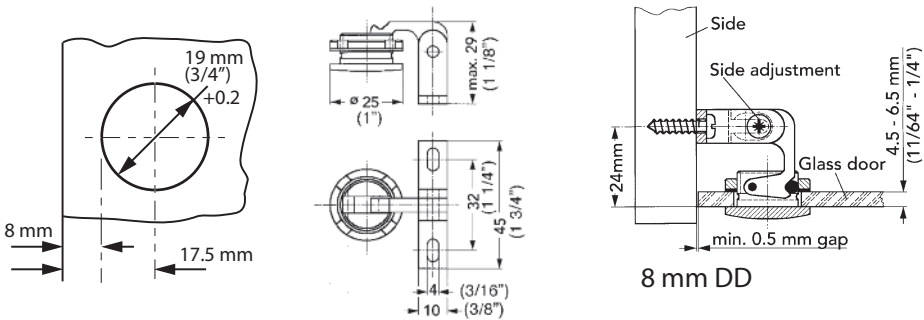


Door weight in lbs	14	18	22
# of hinges	2	2	3

Hinge	Item No.
Antique brass	298.218.84.1033
PU 250 pieces	

Glass Thickness	Opening Angle
4.5 mm	105°
5 mm	105°
5.5 mm	100°
6 mm	95°
6.5 mm	90°

Mounting measurements for glass door



**IMPORTANT**  
To determine the correct application Grass strongly recommends a trial mounting for all hinges and base plates.

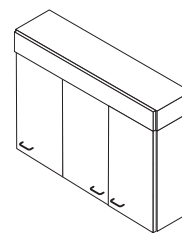
PU = packaging unit

# Tri-view-mirror hinge

90° hinge for wooden or steel doors

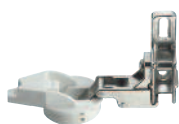


- For medicine cabinets with wooden or steel doors
- Concealed self-locking hinge, top and bottom mount, for mirror cabinets and variable angle cabinets without partition
- Universal left and right handed assembly



## Hinge for wooden doors

Opening angle 90°



Hinge cup: white plastic  
Hinge arm: diecast, nickel-plated

Base plate must be ordered separately

Item No.

212.100.34.9570

PU 250 pieces

## Suitable base plate



diecast, nickel-plated

Item No.

511.200.04.9515

PU 250 pieces

## Hinge for steel doors

Opening angle 90°



Hinge cup: white plastic  
Hinge arm: diecast, nickel-plated

Base plate must be ordered separately

Item No.

212.100.36.9570

PU 250 pieces

## Center plate (Optional)



Nylon center plate allows adjustment and correct positioning of screws.  
(optional)

Item No.

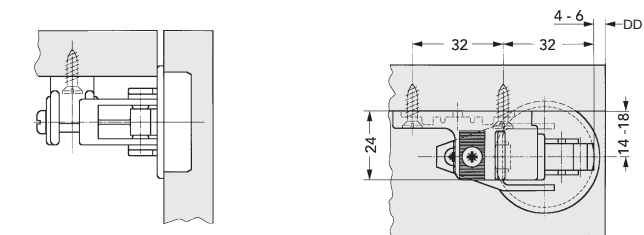
514.000.51.0061

PU 250 pieces

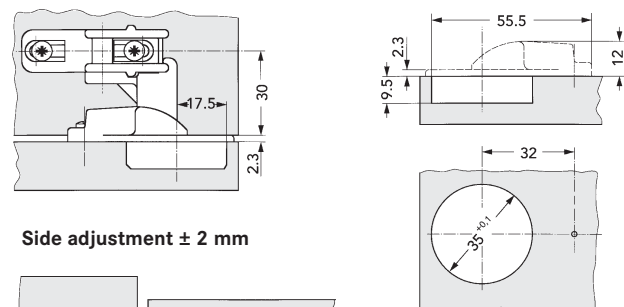
PU = packaging unit

## Mounting measurements for wooden doors

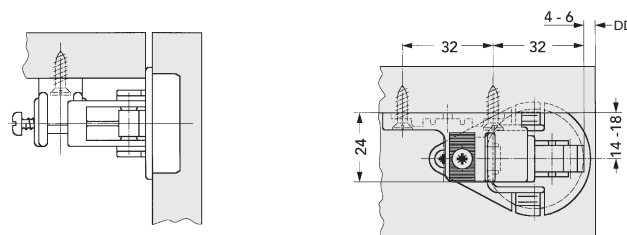
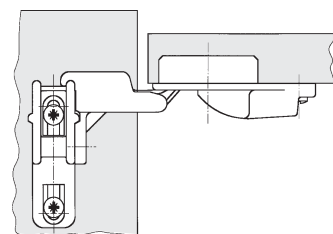
## Mounting measurements for steel doors



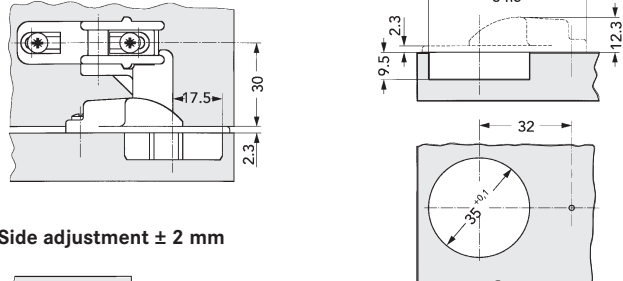
Height adjustment  $\pm 2$  mm



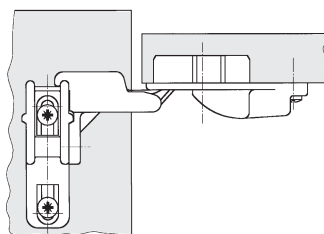
Side adjustment  $\pm 2$  mm



Height adjustment  $\pm 2$  mm



Side adjustment  $\pm 2$  mm



## IMPORTANT

To determine the correct application Grass strongly recommends a trial mounting for all hinges and base plates.



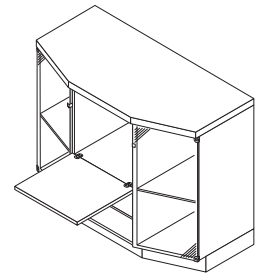
# Flap hinge



## 90° flap hinge with 35 mm cup

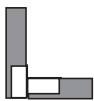


- For flap thicknesses up to 20 mm
- Cup edge cover
- Bottom and flap door are flush inside the cabinet when doors are open
- Hinge is supplied unassembled
- Identical drilling pattern for base and flap door
- 3-dimensional adjustment
- Sturdy design



Full overlay

Opening angle 90°



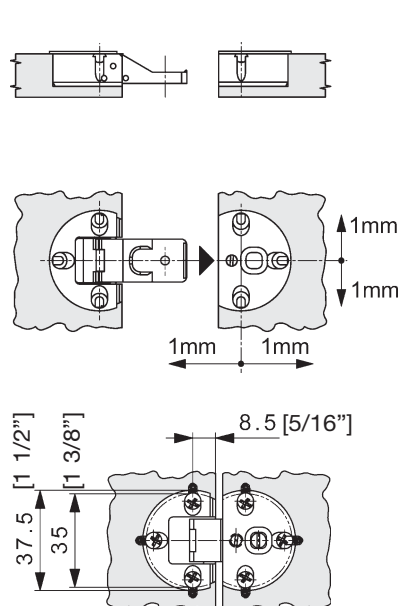
Hinge cup: diecast, nickel-plated  
Hinge arm: diecast, nickel-plated

Item No.

210.735.04.0015

PU 100 pieces

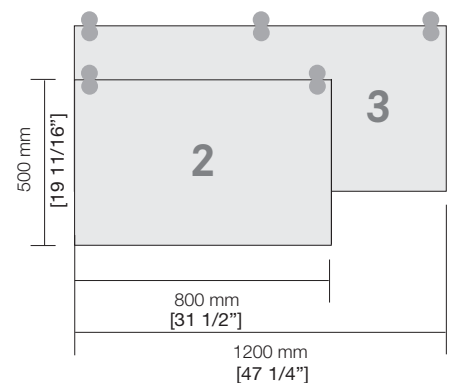
### Mounting measurements for flap hinge



Fixing of flap and base parts using chip board screws Ø 3 x 13 mm (screws not included).

PU = packaging unit

### Number of hinges required



Flap thickness (DT)	14	15	16	17	18	19	20
Gap min. (R)	0.2	1.0	2.0	3.0	3.8	5.0	6.0

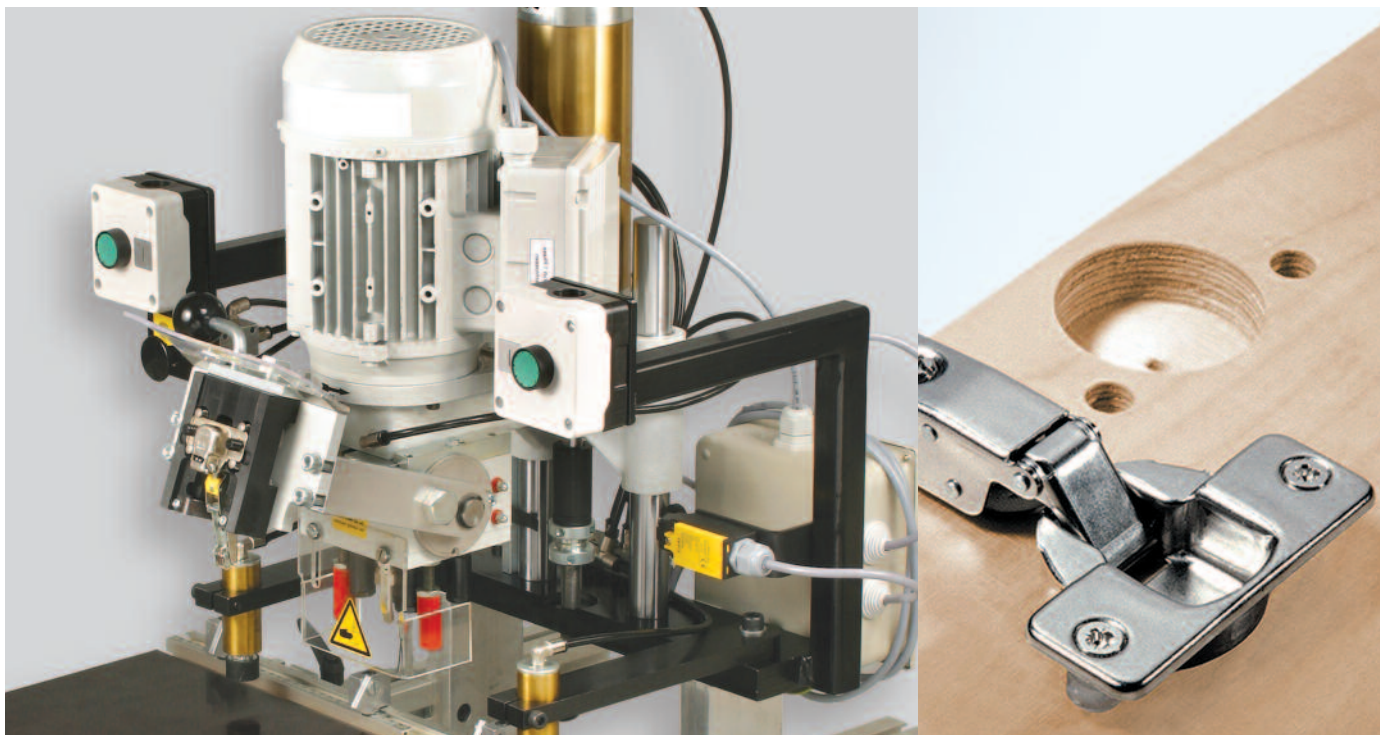
### IMPORTANT

To determine the correct application Grass strongly recommends a trial mounting for all hinges and base plates.

Hinge dimensions and calculation of gap based on factory setting.

## M2500 and M850

Drilling and insertion machine for 45mm boring pattern



### General features for M2500 and M850 drilling and insertion machines

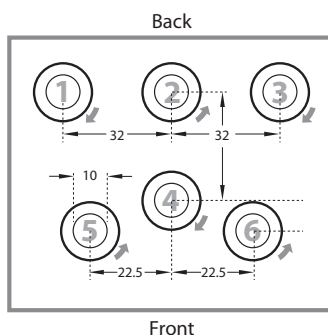
- Sturdy 6 spindle gear box
- 2 independent depth stops
- 600 mm fence stop that can be extended with an additional ruler extension
- Cycle time of less than 10 seconds
- Swing down level for easy insertion and attachment of hardware
- 2-hand safety switch
- Easy to adjust depth and fence stops
- Tool kit for all machine adjustments
- High end air maintenance unit to provide clean and dry air
- Off air support
- Large wood scratch resistant platform
- Easy deliver wooden crate
- 2 sturdy hold down cylinders

### Gear box

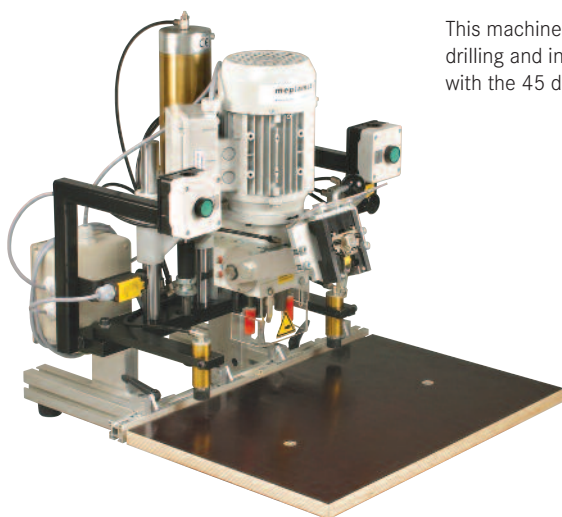
Spindle turning directions:

- |                         |                          |
|-------------------------|--------------------------|
| Spindle 1 = turns right | (uses black drill bits)  |
| Spindle 2 = turns left  | (uses orange drill bits) |
| Spindle 3 = turns right | (uses black drill bits)  |
| Spindle 4 = turns right | (uses black drill bits)  |
| Spindle 5 = turns left  | (uses orange drill bits) |
| Spindle 6 = turns left  | (uses orange drill bits) |

Gear box pattern

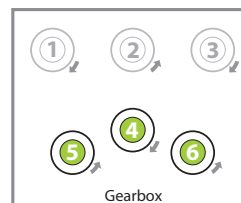


## M2500

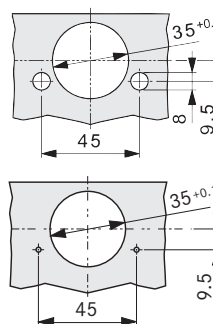


This machine is a complete setup for drilling and inserting 35 mm cup hinges with the 45 drilling pattern.

The versatile M2500 offers the newest design and technology for drilling and inserting Grass hardware. This machine will handle our full-line of European and Face Frame hinges. Its strong, sturdy design combined with 3 different voltage options make it the choice of professionals who want quality, accuracy and fast reliable operation.



Gearbox requires these three bits to be installed for hinge drilling.



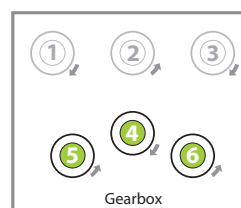
Motor configuration	45 pattern	Item No.
220V 1 Phase 60Hz		490.406.02.0645
220V 3 Phase 60Hz		490.407.02.0645
400V 3 Phase 60Hz		490.408.02.0645
		PU 1 piece

## M850

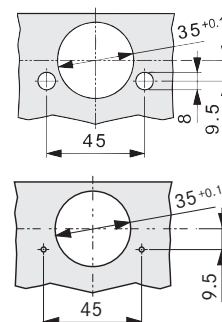


This machine is a complete setup for drilling and inserting 35 mm cup hinges with the 45 drilling pattern.

M850 is an economical solution for drilling and inserting hinges. This machine can also be used to drill and insert Integra front fixing brackets, Integra Quick bottoms and VB connectors.



Gearbox requires these three bits to be installed for hinge drilling.



Motor configuration	45 pattern	Item No.
110V 1 Phase 60Hz		490.410.00.0645
		PU 1 piece

PU = packaging unit

Drilling and insertion machine for 42 mm boring pattern

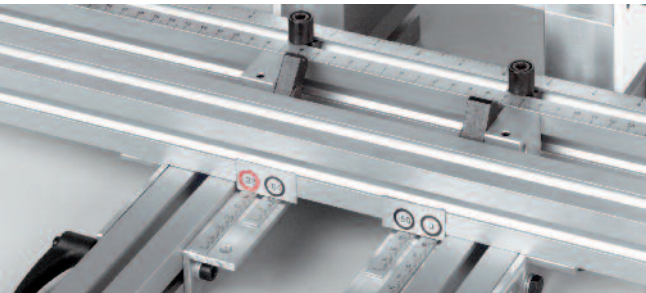


- Bore depth automatically adjusts to material thickness
- Functional design
- Accurate fence is easily adjusted
- Chip removal by air on pneumatic machines
- Easy, fast and efficient operation
- Easy maintenance
- 42 mm boring pattern

Motor configuration	Item No.
110v single phase manual	91934-01
110v single phase pneumatic	91933-01
220v single phase manual	91935-01
220v single phase pneumatic	91931-01
220v three phase pneumatic	91932-01
PU 1 piece	

Scale bar

Graduated scale for exact measurement on the machine.



Pneumatic control

Pneumatic feed and pneumatic hold-down device.



Hold-down block

Optimum fixing on the Ecopress  
Pneumatic with the pneumatic hold-down device.



### Carbide drill bits for Ecopress, M2500, and M850

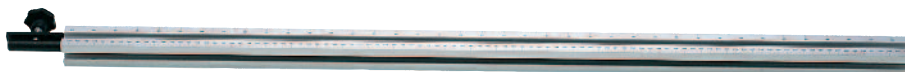


Diameter	Direction	Item no.
35 mm	RH	00077-01
8 mm	LH	00106-01
		PU 1 piece



Bit set for hinge drilling	Item no.
1 x 35 mm/RH, 2 x 8 mm/LH	00213-01
	PU1 set

### Extension bars for use with Ecopress



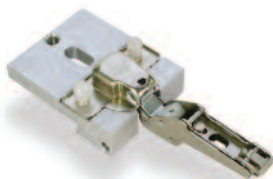
Type	From/ Up to	Item no.
Type 1	360 mm - 1360 mm	37535-01
Type 2	1360 mm - 2350 mm	37536-01
		PU 1 piece

### Additional stops for Ecopress



Type	Item no.
Left	89610-01
Right	89510-01
	PU 1 piece

### Insertion rams for Ecopress



Insertion ram for Nexis 110/125 hinges	Item no.
NX-DIE-73-83	04216-01
	PU 1 piece



Insertion ram for Nexis 170 hinges	Item no.
NX-DIE93	04218-01
	PU 1 piece

Insertion ram for Institutional hinges	Item no.
Institutional Hinge	00053-01
	PU 1 piece

PU = packaging unit





Grass America Inc.  
1202 Highway 66 South  
Kernersville, NC 27284

Phone 1-800-334-3512  
Fax 1-800-525-8406

**Internet: [www.grassusa.com](http://www.grassusa.com)**  
**E-Mail: [info@grassusa.com](mailto:info@grassusa.com)**

Grass Canada Inc.  
475 Finchdene Square, Unit 9  
Toronto, ON M1X 1B7

Phone 1-800-461-4975  
Fax 1-416-335-5907

**Internet: [www.grassusa.com](http://www.grassusa.com)**  
**E-Mail: [info@grassusa.com](mailto:info@grassusa.com)**

[www.grassusa.com](http://www.grassusa.com)