



NEXIS



G* GRASS®

NEXIS HINGE SYSTEMS

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





The versatile Nexis hinge system offers snap-on installation technology for a variety of cabinetry applications with a Soft-close or Self-close closing action.

Reliable Snap-on hinges with opening angles from 95° to 170° for long-lasting everyday service

The Nexis hinge series offers a wide variety of hinges for standard door applications, specialty door applications, and frame and frameless applications. Opening angle ranging from 95° to 170°, Nexis is offered in a screw-on and dowelled version in a 42mm, 45mm, 48mm boring pattern and the Nexis Impresso, tool-free installation, is offered in a 42/45mm and 45/48mm boring pattern.

Nexis Snap-on hinges attach to Nexis base plates with an audible click. Installation is user-friendly and reliable. Just pressing down the hinge with a finger is enough to attach it to the base plate. The hinge can be detached from the Snap-on base plate by simply releasing it with the lever at the front of the hinge arm.



NEXIS HINGE SYSTEM

Snap-on technology:
Quick mounting, efficient, secure.



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


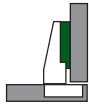
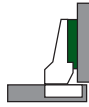
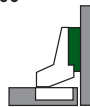

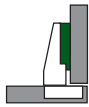
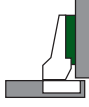

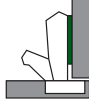
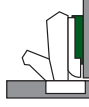

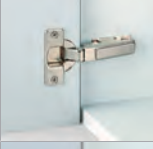
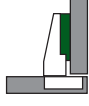
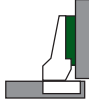



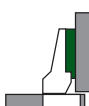





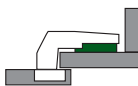
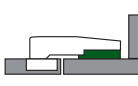

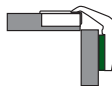

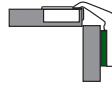





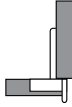





Opening Angle		Description	Full Overlay	Half Overlay	Inset	Page
		Features & Benefits				6
		Technical Information				8
110°		Nexis 110 <ul style="list-style-type: none"> For standard doors Soft-close compatible 			100° 	14
125°		Nexis 125 <ul style="list-style-type: none"> For standard doors Soft-close compatible 				16
170°		Nexis 170 <ul style="list-style-type: none"> Wide-angle hinge with Zero protrusion Soft-close compatible 				18
95°		Nexis 95 <ul style="list-style-type: none"> Designed for profile doors or thicker doors Soft-close compatible 				20
95°		Nexis 95/40 <ul style="list-style-type: none"> Designed for profile doors For thick doors up to 35mm thickness Excellent load-bearing capacity 40mm cup drilling diameter 				22
95°		Nexis 95/+45° <ul style="list-style-type: none"> For +45° angle corner cabinet Soft-close compatible 		Corner Angle 		24
95°		Nexis 95/90 <ul style="list-style-type: none"> For blind corner application Soft-close compatible 				26
110°		Nexis PCC <ul style="list-style-type: none"> For Pie-cut corner application For door thicknesses 16 to 22mm 				28
110°		Nexis 21 PCC <ul style="list-style-type: none"> For Pie-cut corner application For door thicknesses 14 to 24mm Full cup recess 				30

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		Institutional hinge <ul style="list-style-type: none"> For side panel thicknesses of 19mm (3/4") Opening angles from 180° - 270° 				42
270°		Nexis Slide-on 73 Institutional hinge <ul style="list-style-type: none"> For door thicknesses 15 to 21mm With wide-angle opening 				44
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Features and Benefits

Nexis

Features

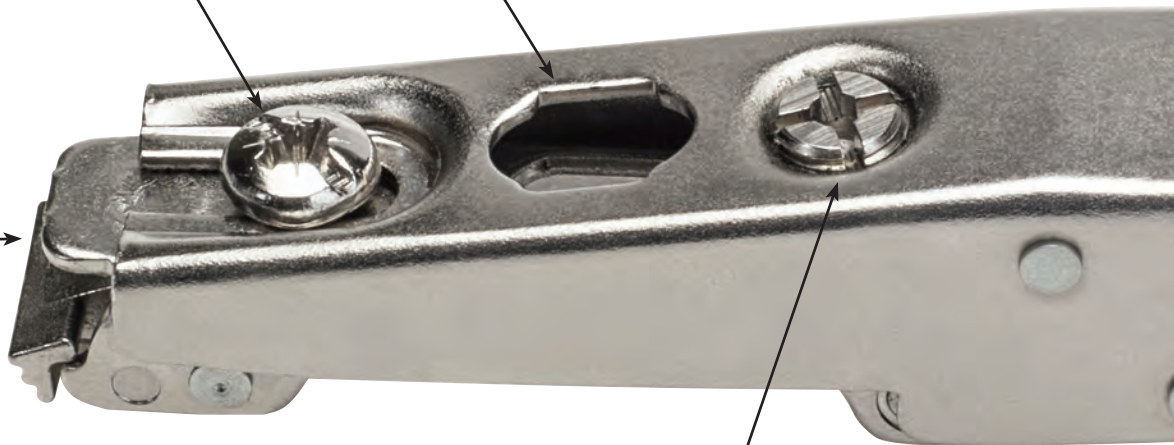


- Opening angles from 95° to 170°
- Tool-free Soft-close option
- Combination drilling patterns for Impresso
- Specialty applications for angled and Pie-cut doors

Depth adjustment (+3/-1mm)
via hinge arm for standard base plate

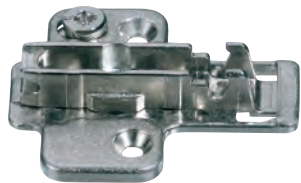
Depth adjustment (+3/-1mm)
via cam base plate

Ergonomic clip
mounts with a soft but audible click



Side Adjustment (+1/-3mm)
via hinge arm

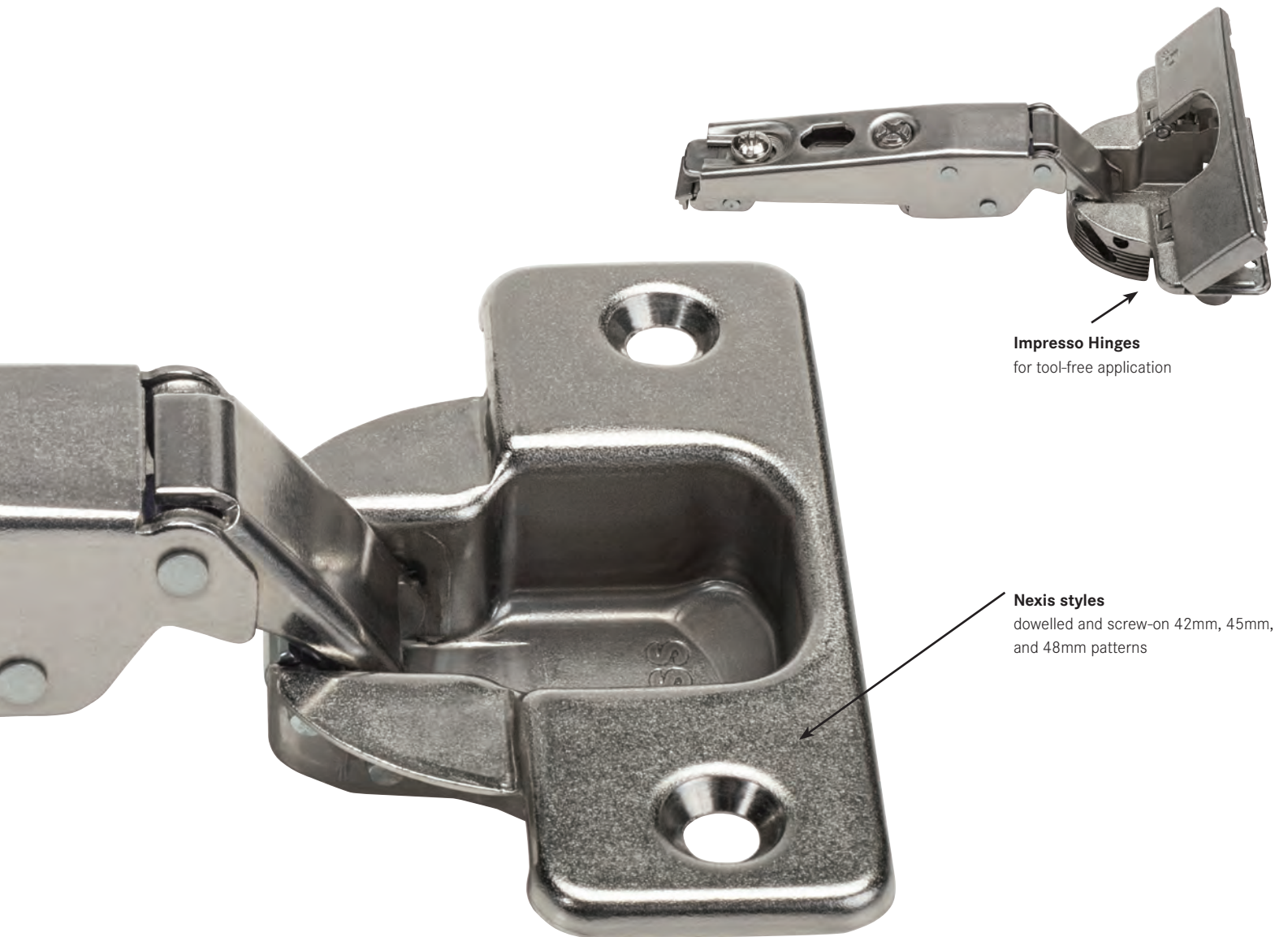
Height adjustment (± 2 mm)
via cam base plate



Tool-free Soft-close option
cushion control for a slow gentle stop

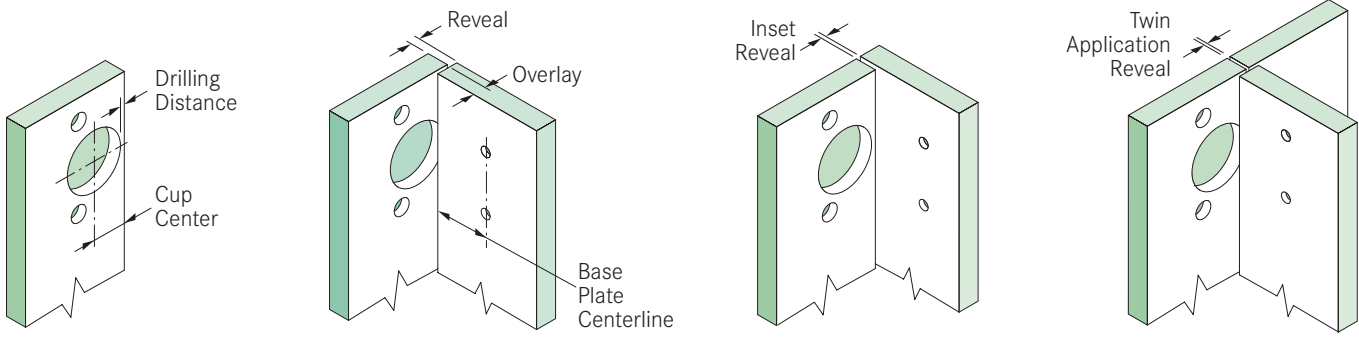
Features

- 3-dimensional adjustment with suitable base plate
 - Depth adjustment $\pm 3/-1$ mm
 - Height adjustment ± 2 mm
 - Side adjustment $\pm 1/-3$ mm
- For face frame or frameless cabinets
- Impresso for tool-free application
- 42mm, 45mm, and 48mm boring patterns



Technical Information

Nexis



Number of Hinges per Door

The number of hinges is determined by the door height, door weight, quality of the door material, and the fixing of the cup and base plate.

The load and height data refer to 24" standard door widths.

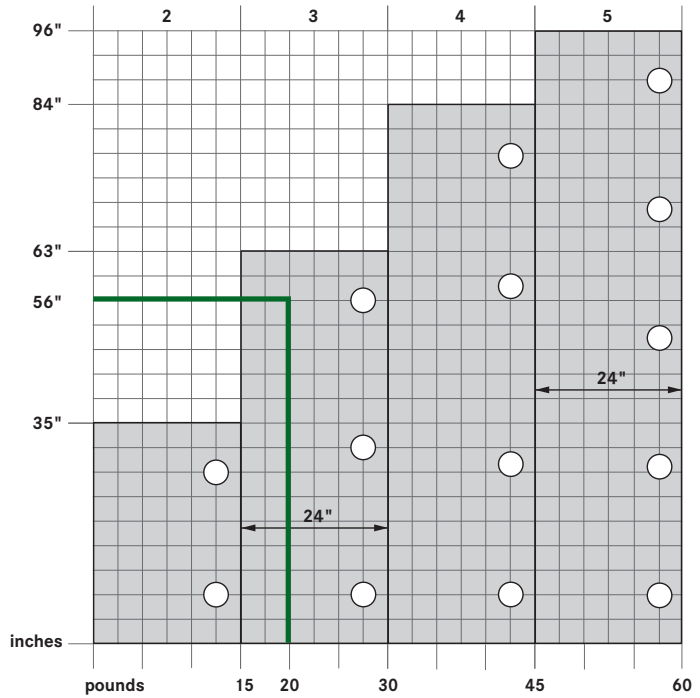
The table refers to hinges with and without integrated dampers. Grass strongly recommends a trial mount for all hinges and base plates.

Attach base plates using all available screw holes.

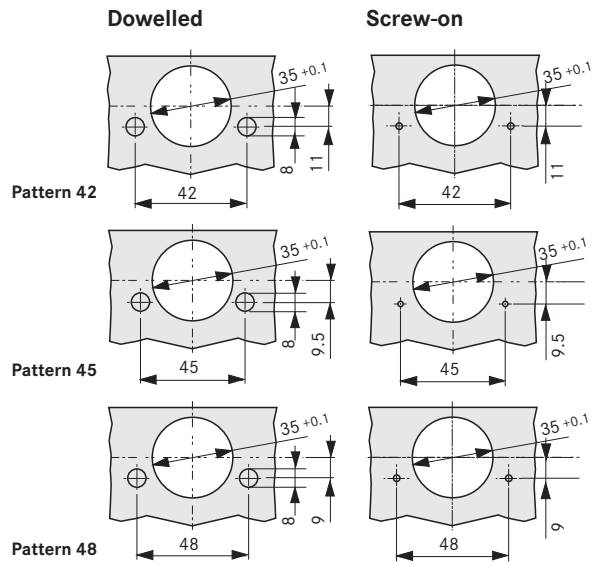
Example:
For doors measuring 56" x 24" and weighing 19 lb, Grass recommends the installation of 3 hinges.

Note: The distance between the top and bottom hinge must be greater than the width of the door.

The **Nexis** hinge meets and exceeds the minimum requirements of ANSI/BHMA A156.9 Standard, Grade II unless otherwise specified.

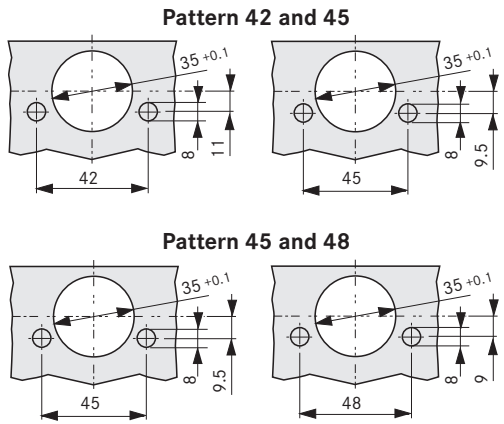


Nexis Drilling Patterns



Nexis Impresso Drilling Patterns

Impresso 42/45 hinges accommodate cup drilling patterns of both 42mm and 45mm.
Impresso 45/48 hinges accommodate cup drilling patterns of both 45mm and 48mm.



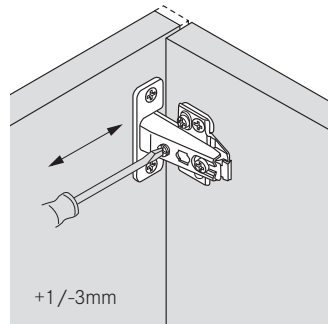
Adjustments

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

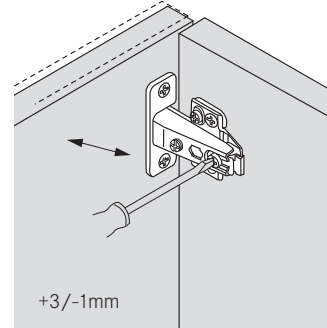
For depth adjustment, select base plates have cam adjustment access through the hinge arm.

Use a #2 POZI drive screwdriver for hinge adjustments.

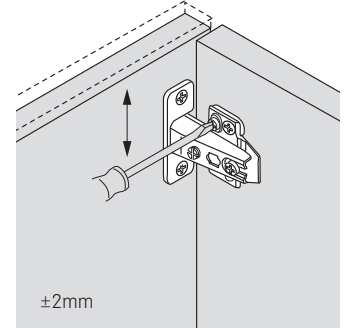
Attach base plates using all available screw holes.



Side adjustment



Depth adjustment



Height adjustment

Reveal

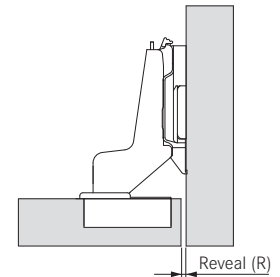
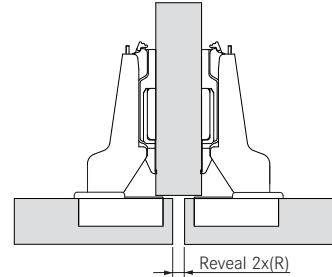
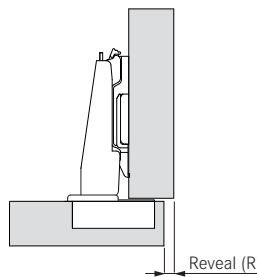
Full Overlay Door

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 3mm and 6mm.



Reveal for Overlay and Half Overlay Doors

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

Door thickness (DT)	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)			

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

Minimum Reveal (R)	Drilling Distance (DD)			
	3	4	5	6
0		2		4
1	2		4	
2		4		
	Base Plate Height (BPH)			

Note:

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

IMPORTANT

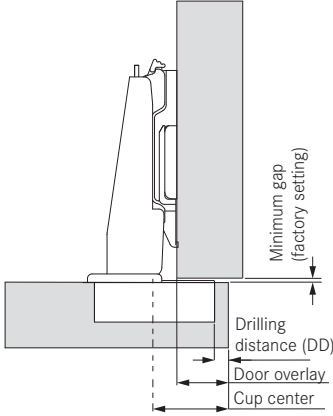
To determine the correct application Grass strongly recommends a trial mounting for all hinges and base plates.

Technical Information

Nexis

Minimum Gap Drilling Distance

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



Drilling Distance (DD)		Cup Center (CC)	
1/8"	3	13/16"	20.5
5/32"	4	27/32"	21.5
3/16"	5	7/8"	22.5
1/4"	6	15/16"	23.5
9/32"	7	31/32"	24.5
5/16"	8	1"	25.5

The **drilling distance (DD)** 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.

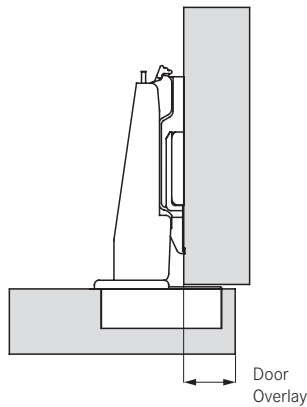
Example:

For a door thickness (DT) of 26mm and a drilling distance (DD) of 6mm a minimum gap of 0.7mm is needed.

Door Thickness (DT)	Drilling Distance (DD)				Minimum gap
	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	1.4	2.4	3.4	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	

Door Overlay

The **door overlay** is the part of the cabinet side wall or face frame that is covered by the door on the hinge side.



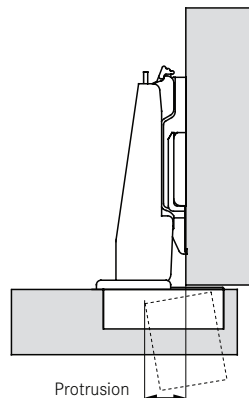
Example:

For a hinge with a cranking of 00, a base plate height (BPH) of 2mm, and a drilling distance (DD) of 4mm, the door overlay is 15mm.

Door Overlay	Drilling Distance (DD)					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					

Door Edge Protrusion

The **door edge protrusion** is the amount by which the edge of the open door protrudes into the opening and varies depending on the type of hinge and method of fixing. It is stated on the respective catalog page and refers to the stated base plate for the factory setting. It can be changed by changing the height of the base plate and adjusting the lateral adjustment.

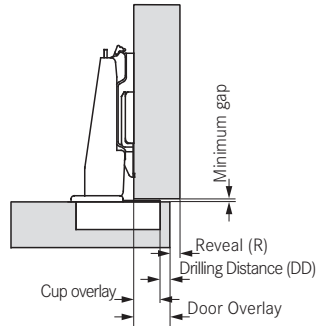


Door Positions

Achieve overlay with hinge cranking

Full Overlay (Cranking 00)

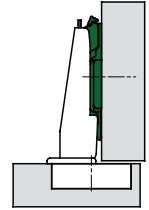
The cup overlay (factory setting) plus drilling distance determine the door overlay. Dimensions can be found in a table on the respective page of the catalog.



Achieve overlay with base plate

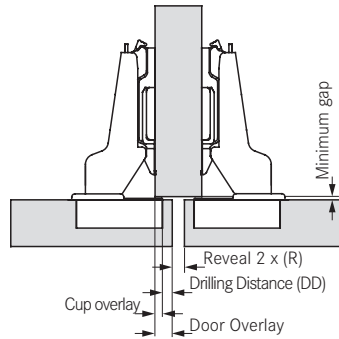
Full Overlay

Using a hinge with a cranking of 00 and a base plate height (BPH) 00



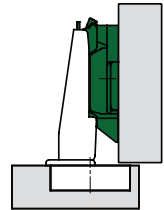
Half Overlay (Cranking 08)

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.



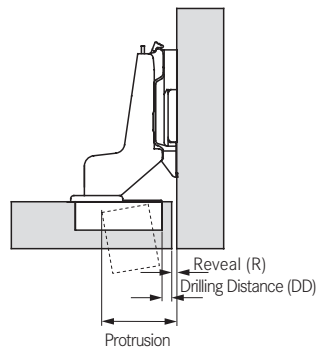
Half Overlay

Using a hinge with a cranking of 00 and a base plate height (BPH) 8.0



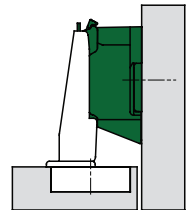
Inset (Cranking 15)

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



Inset

Using a hinge with a cranking of 00 and a base plate height (BPH) 18



Insertion Instructions

Nexis 85° Reduction Clip

Instructions for 85° Angle Reduction Clip

Begin with hinge in the open position and not mounted on door.

With needle-nosed pliers grip sides of clip.



Insert clip over the roll pin.



Push clip in as you start to close hinge.
Clip will snap into place.

Hinge opening angle is reduced to 85°.



85° Reduction Clip



Description	Material	Item No.	PU
85° angle reduction clip	Black plastic	F069135032547	1000

Note: Nexis 85° Reduction Clip for standard 110° full and half overlay hinges

PU - Packaging unit

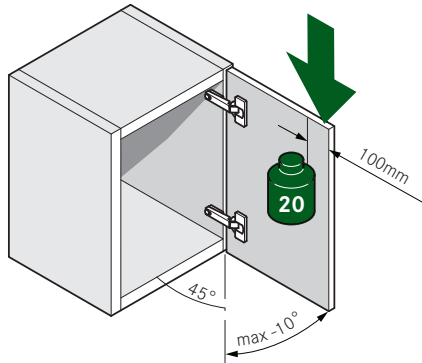
Testing Information

Nexis

Functional Test

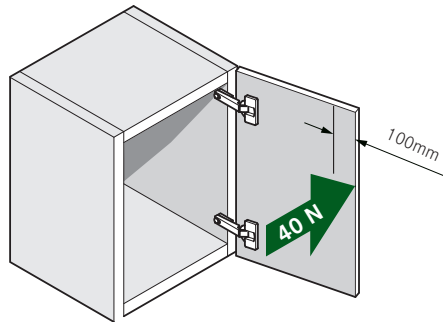
Static load - vertical

Additional load: 44 pounds (20 kg)
Opening angle: max. -10°



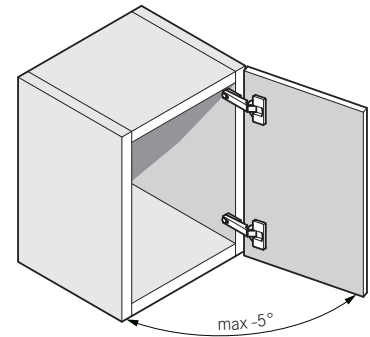
Static load - horizontal

Force: 40 N



Endurance Test

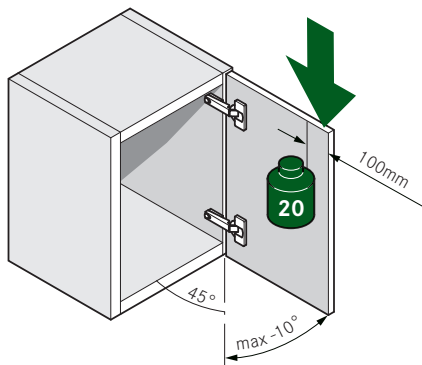
Opening angle: max. -5°
Open and close movements: 100,000



Overload Testing

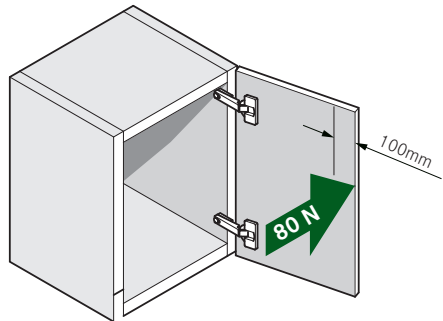
Vertical

Additional load: 66 pounds (30 kg)
Opening angle: max. -10°



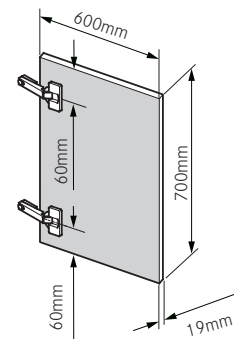
Horizontal

Force: 80 N



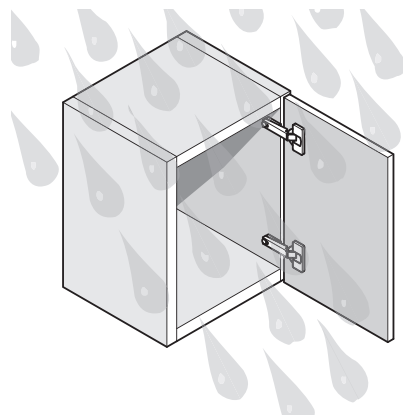
Test door

Weight approx. 11.5 pounds (5.2 kg)



Salt Spray and Humidity Test

Based on DIN ISO 9227 and DIN 6270-2

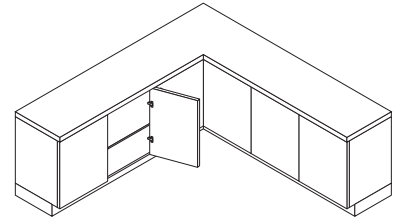


Nexis 110


110° hinge for standard doors





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



Nexis 110 Opening Angle 110°		Impresso				Screw-On		Dowelled	
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Full Overlay	Cranking 00	Pattern	Type	Item No.	PU	Pattern	Type	Item No.	Item No.	PU
 <p>Nexis Impresso: Hinge cup: diecast, nickel-plated Hinge arm: steel, nickel-plated</p> <p>Nexis : Hinge cup: steel, nickel-plated Hinge arm: steel, nickel-plated</p>		42/45	Self-close	F014072544 225	125	42	Self-close	F015072926 236	F015072925 236	250
		45/48	Self-close	F014072520 225	125	45	Self-close	F015072632 236	F015072631 236	250
						48	Self-close	F015072811 236	F015072810 236	250

Half Overlay	Cranking 08	Pattern	Type	Item No.	PU	Pattern	Type	Item No.	Item No.	PU
 <p>Nexis Impresso: Hinge cup: diecast, nickel-plated Hinge arm: steel, nickel-plated</p> <p>Nexis : Hinge cup: steel, nickel-plated Hinge arm: steel, nickel-plated</p>		42/45	Self-close	F014072547 225	125	42	Self-close	F015072934 236	F015072933 236	250
		45/48	Self-close	F014072522 225	125	45	Self-close	148.322.53.0815	F015072633 236	250
						48	Self-close	F015072818 236	-	250

Inset	Cranking 15	Pattern	Type	Item No.	PU	Pattern	Type	Item No.	Item No.	PU
 <p>Nexis : Hinge cup: steel, nickel-plated Hinge arm: steel, nickel-plated</p>						42	Self-close	-	F015072881 236	250
						45	Self-close	-	F015072604 223	100
						48	Self-close	-	F015072732 236	250

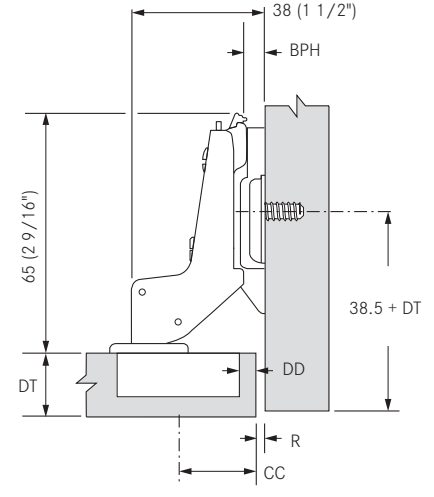
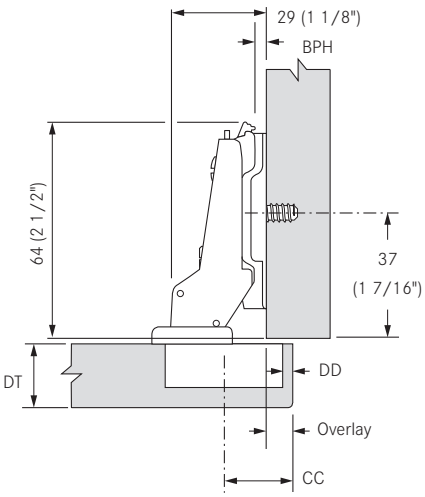
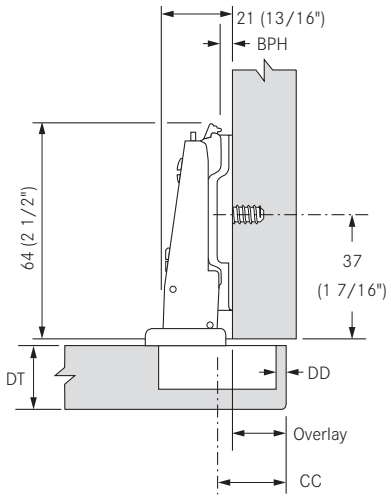
Note: Opening angle 100°

Cover Cap	Cranking 00	Item No.	PU	85° Angle Reduction Clip	Item No.	PU
 Steel, nickel-plated		F069073683 247	1000	 Black plastic for full and half overlay hinges	F069135032 547	1000

Cover Cap	For Nexis Hinges	Item No.	PU	Wood Screw, Nickel-plated	Item No.	PU
 Black plastic		F069073497 261	1000	 #6 x 5/8" FHP, NI	81001-43	500

PU - Packaging unit

Full Overlay Half Overlay Inset



Drawings show Nexis with a base plate, (BPH) 02.

Drawings show Nexis with a base plate, (BPH) 02.

Drawings show Nexis with a base plate, (BPH) 04.

Door Overlay	Drilling Distance (DD)					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					

Door Overlay	Drilling Distance (DD)					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					

Reveal (R)	Drilling Distance (DD)					Base Plate Height (BPH)
	*3	4	5	6	7	
0		2		4		
1	2		4			
2		4				

Note:
*3mm drilling distance for Nexis only
A door stop is needed to prevent over close.

Minimum Gaps Reveal

Door Thickness (DT)	Drilling Distance (DD)					Minimum Gap
	*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	

Door Thickness (DT)	Drilling Distance (DD)					Reveal Min. (R)
	*3	4	5	6	7	
16	0.5	0.5	0.5	0.5	0.5	
18	1.0	1.0	1.0	1.0	1.0	
19	1.2	1.2	1.2	1.2	1.2	
20	2.2	1.5	1.5	1.5	1.5	
22	4.7	3.7	2.8	2.1	2.1	

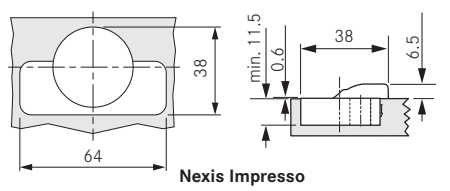
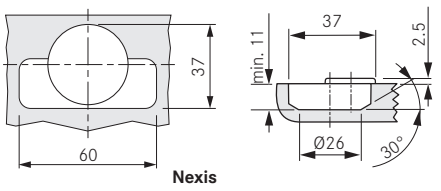
Note: Reveal dimensions were determined with an edge radius (of the door) of 1mm. Hinge dimensions and reveal calculation based on factory setting.

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

Door Thickness (DT)	Drilling Distance (DD)					Reveal Min. (R)
	*3	4	5	6	7	
16	0.6	0.6	0.6	0.6	0.6	
18	0.9	0.9	0.9	0.9	0.9	
19	1.1	1.1	1.1	1.1	1.1	
20	1.4	1.4	1.4	1.4	1.4	
22	1.9	1.9	1.9	1.9	1.9	
24	2.5	2.5	2.5	2.5	2.5	

Legend Cup Dimensions

- BPH = Base Plate Height
- CC = Center Cup
- DD = Drilling Distance
- DT = Door Thickness
- R = Reveal

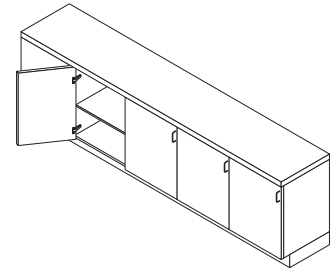


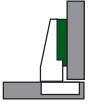
Nexis 125

125° hinge for standard doors




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



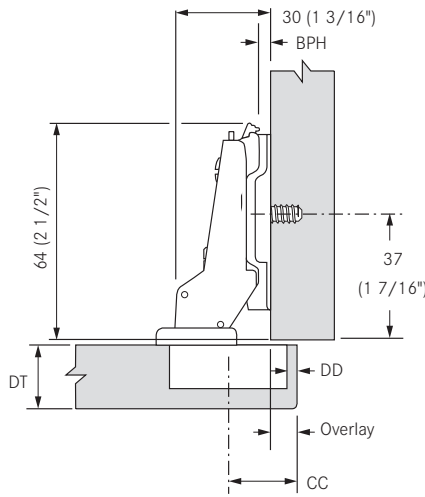
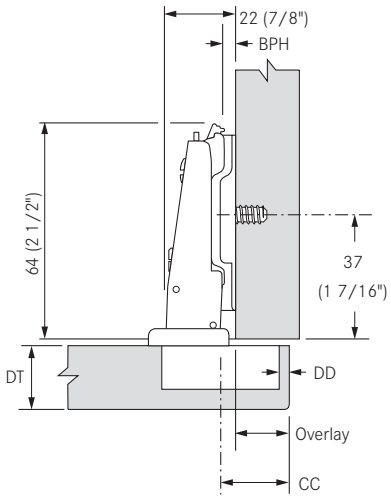
Nexis 125 Opening Angle 125°		Impresso				Screw-On		Dowelled		
Full Overlay	Cranking 00	Pattern	Type	Item No.	PU	Pattern	Type	Item No.	Item No.	PU
 <p>Nexis Impresso: Hinge cup: diecast, nickel-plated Hinge arm: steel, nickel-plated</p> <p>Nexis : Hinge cup: steel, nickel-plated Hinge arm: steel, nickel-plated</p>		45/48	Self-close	F014072524225	125	42	Self-close	F015072938236	F015072937236	250
						45	Self-close	148.329.31.0015	F015072636236	250
						48	Self-close	F015072827236	F015072825236	250

Cover Cap	Cranking 00	Item No.	PU
	Steel, nickel-plated	F069073683247	1000

Cover Cap	For Nexis Hinges	Item No.	PU	Wood Screw, Nickel-plated	Item No.	PU	
	Black plastic	F069073497261	1000		#6 x 5/8" FHP, NI	81001-43	500

PU - Packaging unit

Full Overlay **Half Overlay**



Drawings show Nexis with a base plate, (BPH) 02.

Drawings show Nexis with a base plate, (BPH) 02.

Door Overlay	Drilling Distance (DD)					
	*3	4	5	6		
19				0		
18			0			
17		0		2		
16	0		2			
15		2		4		
14	2		4			
13		4				
12	4					
	Base Plate Height (BPH)					

Door Overlay	Drilling Distance (DD)					
	*3	4	5	6		
9		0		2		
8	0		2			
7		2		4		
6	2		4			
5		4				
4	4					
	Base Plate Height (BPH)					

Note:
*3mm drilling distance for Nexis only

Minimum Gaps **Reveal**

Door Thickness (DT)	Drilling Distance (DD)					
	*3	4	5	6		
16	0.5	0.6	1.6	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					

Door Thickness (DT)	Drilling Distance (DD)					
	*3	4	5	6		
16	1.9	1.9	1.9	1.9		
18	2.8	2.6	2.5	2.5		
19	4.6	3.6	3.0	2.9		
20	6.5	5.5	4.5	3.5		
	Reveal Min. (R)					

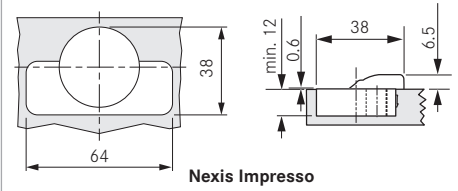
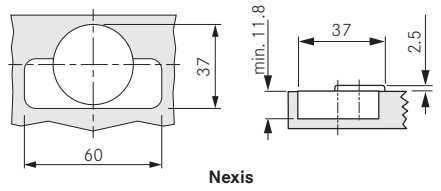
Note: Reveal dimensions were determined with an edge radius (of the door) of 1mm. Hinge dimensions and reveal calculation based on factory setting.

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

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

Legend **Cup Dimensions**

- BPH = Base Plate Height
- CC = Center Cup
- DD = Drilling Distance
- DT = Door Thickness
- R = Reveal

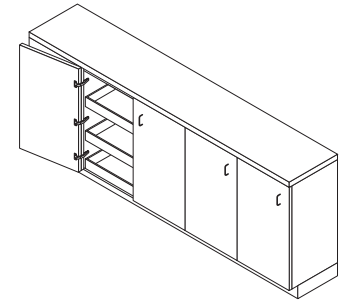


Nexis 170

170° wide-angle hinge



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



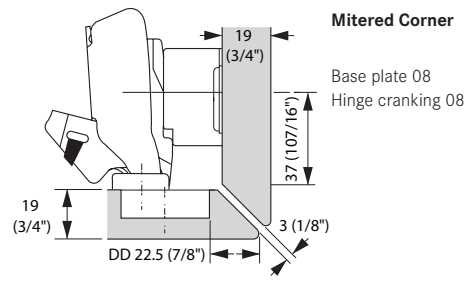
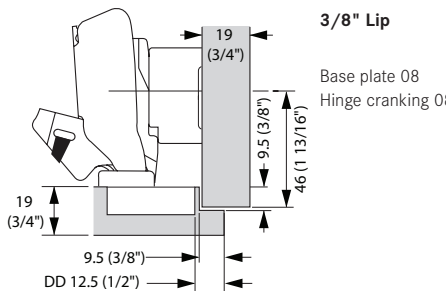
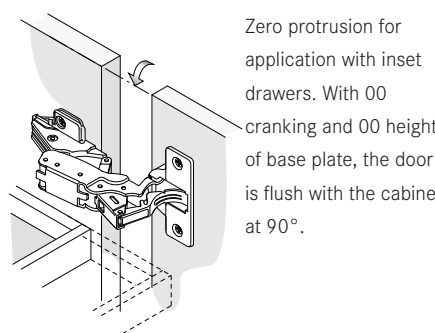
Nexis 170 Opening Angle 170°

		Impresso				Screw-On		Dowelled		
Full Overlay	Cranking 00	Pattern	Type	Item No.	PU	Pattern	Type	Item No.	Item No.	PU
<p>Nexis Impresso: Hinge cup: diecast, nickel-plated Hinge arm: diecast, nickel-plated</p> <p>Nexis: Hinge cup: diecast, nickel-plated Hinge arm: diecast, nickel-plated</p>		42/45	Self-close	F014072550217	50	42	Self-close	F015072951217	F015072949217	50
		45/48	Self-close	F014072530217	50	45	Self-close	F015072648217	F015072647217	50
						48	Self-close	F015072842217	F015072840217	50

Half Overlay	Cranking 08	Pattern	Type	Item No.	PU	Pattern	Type	Item No.	Item No.	PU
<p>Nexis: Hinge cup: diecast, nickel-plated Hinge arm: diecast, nickel-plated</p>		45/48	Self-close	F014072532217	50	45	Self-close	-	F015072651217	50

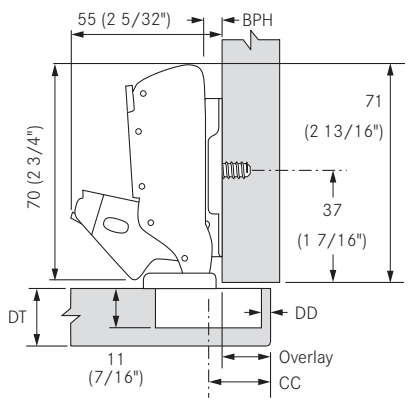
120° Angle Reduction Clip	Item No.	PU	Wood Screw, Nickel-plated	Item No.	PU
<p>Black plastic. Opening angle reduction to 120°. Prevents doors from bumping with the cabinet side in inset applications and mitered corner applications.</p>	F069073401236	250	<p>#6 x 5/8" FHP, NI</p>	81001-43	500
	F069073401253	2500			

Zero Protrusion Special Applications with Angle Reduction Clip



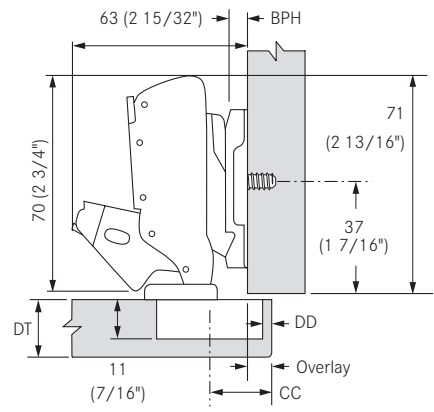
PU - Packaging unit

Full Overlay Half Overlay Inset



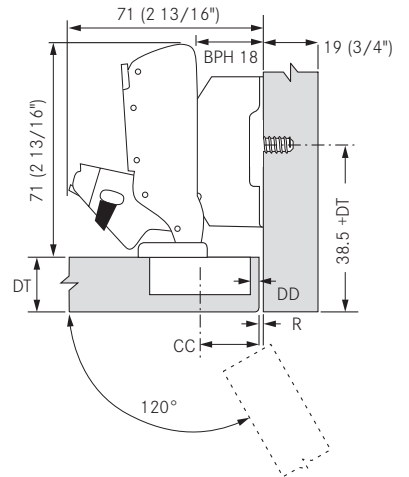
Drawings show Nexis with a base plate, (BPH) 02.

Door Overlay	Drilling Distance (DD)					
	3	4	5	6	7	8
21						0
20					0	
19				0	2	
18			0	2	4	
17	0		2	4		
16	0	2	4			
15	2	4				
14	2	4				
13	4					
12	4					
	Base Plate Height (BPH)					



Drawings show Nexis with a base plate, (BPH) 02.

Door Overlay	Drilling Distance (DD)					
	3	4	5	6	7	8
13						0
12					0	
11				0	2	
10			0	2	4	
9	0		2	4		
8	0	2	4			
7	2	4				
6	2	4				
5	4					
	Base Plate Height (BPH)					



Drawings show Nexis with a base plate, (BPH) 18. and angle reduction clip

Reveal (R)	Drilling Distance (DD)		
	3	4	5
0			18
1		18	
2	18		
	Base Plate Height (BPH)		

Note:
Drilling distance 3mm for Nexis and Nexis Impresso
A door stop is needed to prevent over close.

Minimum Gaps Reveal

Door Thickness (DT)	Drilling Distance (DD)					
	3	4	5	6	8	10
16	0.7	0.7	0.7	0.7	0.7	0.7
18	0.7	0.7	0.7	0.7	0.7	0.7
19	0.7	0.7	0.7	0.7	0.7	0.7
20	0.7	0.7	0.7	0.7	0.7	0.7
22	0.7	0.7	0.7	0.7	0.7	0.7
23	0.7	0.7	0.7	0.7	0.7	0.7
24	0.7	0.7	0.7	0.7	0.7	0.7
25	0.7	0.7	0.7	0.7	0.7	0.7
26	0.7	0.7	0.7	0.7	0.7	0.7
	Minimum Gap					

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

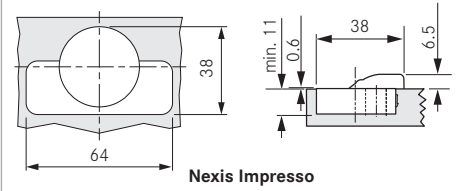
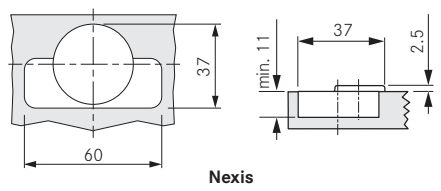
Door Thickness (DT)	Drilling Distance (DD)					
	3	4	5	6	7	8
16	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.5	1.8	2.0
25	6.5	6.5	6.0	5.5	4.8	6.5
26	10.5	9.5	8.5	7.5	6.5	5.5
	Reveal Min. (R)					

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

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

Legend Cup Dimensions

- BPH = Base Plate Height
- CC = Center Cup
- DD = Drilling Distance
- DT = Door Thickness
- R = Reveal

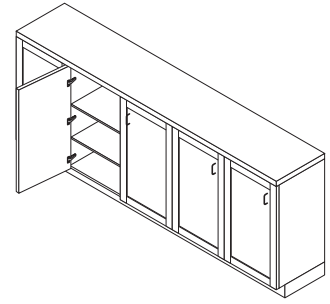


Nexis 95

95° hinge for thick or profile doors




- 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 30mm (1 3/16")
- Self-close or free-swing hinges available
- For face frame and frameless cabinets



Nexis 95	Opening Angle 95°	Screw-On
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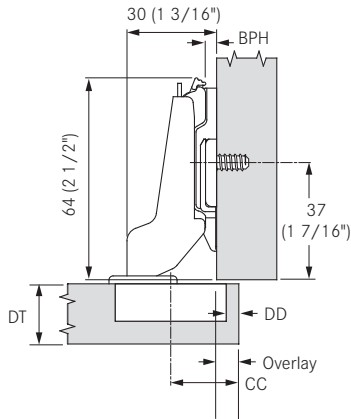
Half Overlay	Cranking 08	Pattern	Type	Item No.	PU
	Hinge cup: steel, nickel-plated Hinge arm: steel, nickel-plated	48	Self-close	F015072760236	250
		48	Free-swing	F015072762236	250

Cover Cap	Cranking 00	Item No.	PU
	Steel, nickel-plated	F069073683247	1000

Cover Cap	For Nexis Hinges	Item No.	PU	Wood Screw, Nickel-plated	Item No.	PU	
	Black plastic	F069073497261	1000		#6 x 5/8" FHP, NI	81001-43	500

PU - Packaging unit

Half Overlay



	Drilling Distance (DD)			
	*3	4	5	6
11				0
10			0	
9		0	2	
8	0		2	
7		2	4	
6	2		4	
5		4		
4	4			
	Base Plate Height (BPH)			

Minimum Gaps

	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	0.5	0.5	0.5	0.5
22	0.5	0.5	0.5	0.5
23	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			

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

Reveal

	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)			

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

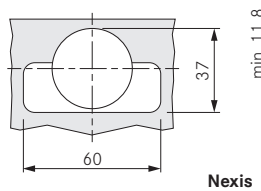
IMPORTANT

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

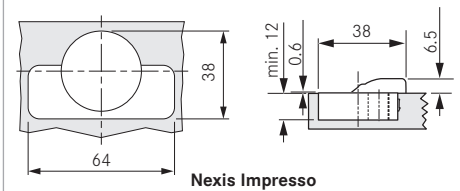
Legend

- BPH = Base Plate Height
- CC = Center Cup
- DD = Drilling Distance
- DT = Door Thickness
- R = Reveal

Cup Dimensions



Nexis



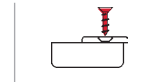
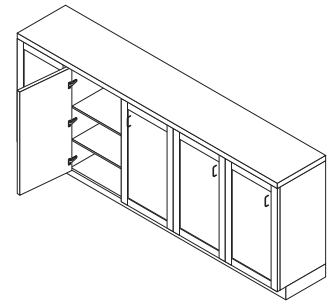
Nexis Impresso

Nexis 95/40

95° hinge with 40mm 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 36mm thick
- Special spring mechanism ensures excellent closing force - even with large doors
- Self-close hinges available
- For face frame and frameless cabinets





Nexis 95/40 Opening Angle 95° Screw-On

Full overlay	Cranking 00	Pattern	Type	Item No.	PU
	Hinge cup: steel, nickel-plated; Hinge arm: steel, nickel-plated	48	Self-close	F015072820225	125

Half overlay	Cranking 08	Pattern	Type	Item No.	PU
	Hinge cup: steel, nickel-plated; Hinge arm: steel, nickel-plated	48	Self-close	F015072822225	125

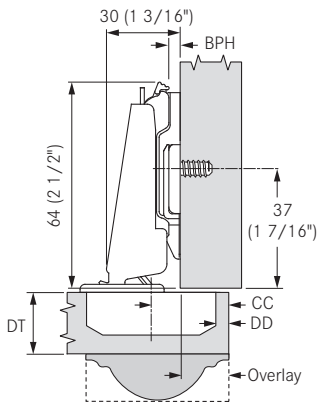
Inset	Cranking 15	Pattern	Type	Item No.	PU
	Hinge cup: steel, nickel-plated; Hinge arm: steel, nickel-plated	48	Self-close	F015072823225	125

Cover Cap	Cranking 00	Item No.	PU
	Steel, nickel-plated	F069073683247	1000

Cover Cap	For Nexis Hinges	Item No.	PU	Wood Screw, Nickel-plated	Item No.	PU
	Black plastic	F069073497261	1000		#6 x 5/8" FHP, NI	81001-43 500

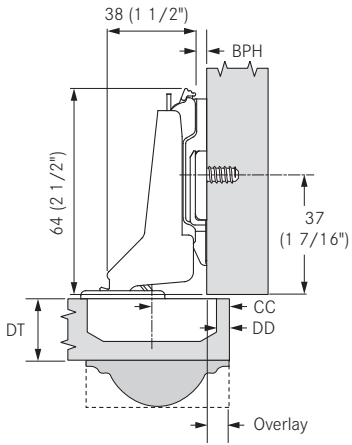
PU - Packaging unit

Full Overlay Half Overlay Inset



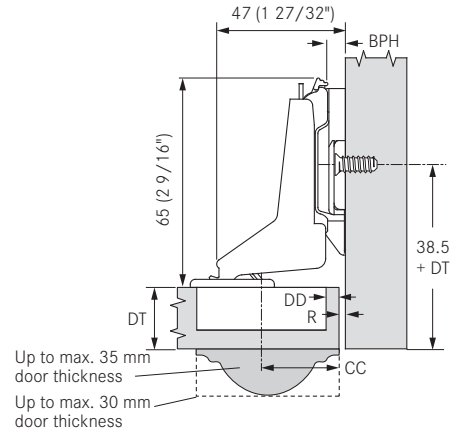
Drawings show Nexis with a base plate, (BPH) 02.

Door Overlay	Drilling Distance (DD)										
	3	4	5	6	7	8	9	10	11		
23									0		2
22								0		2	
21						0			2		
20				0			2			4	
19			0		2			4			
18		0		2		4					
17	0		2		4						
16	0	2		4							
15	2		4								
14	2	4									
13	4										
	Base Plate Height (BPH)										



Drawings show Nexis with a base plate, (BPH) 02.

Door Overlay	Drilling Distance (DD)										
	3	4	5	6	7	8	9	10	11		
15									0		2
14								0		2	
13						0			2		
12				0			2			4	
11			0		2			4			
10		0		2		4					
9	0		2		4						
8	0	2		4							
7	2		4								
6	2	4									
5	4										
	Base Plate Height (BPH)										



Drawings show Nexis with a base plate, (BPH) 04.

Reveal (R)	Drilling Distance (DD)			
	3	4	5	6
0		2		4
1	2		4	
2		4		
	Base Plate Height (BPH)			

Note:
A door stop is needed to prevent over close.

Minimum Gaps

Door Thickness (DT)	Drilling Distance (DD)				Minimum Gap
	3-10				
20	0.0	0.0	0.0	0.0	The minimum gap is the gap between the closed door and the front of the cabinet.
22	0.0	0.0	0.0	0.0	
23	0.0	0.0	0.0	0.0	
24	0.0	0.0	0.0	0.0	
26	0.0	0.0	0.0	0.0	
28	0.0	0.0	0.0	0.0	
30	0.0	0.0	0.0	0.0	
32	0.0	0.0	0.0	0.0	
34	0.0	0.0	0.0	0.0	
36	0.0	0.0	0.0	0.0	
	Minimum Gap				

Reveal

Door Thickness (DT)	Drilling Distance (DD)						Reveal Min. (R)
	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	2.1	1.1	1.1	1.1	1.1	1.1	
34	4.2	3.1	2.3	1.6	1.4	1.4	
36	6.5	5.2	4.2	3.5	2.2	1.7	
	Reveal Min. (R)						

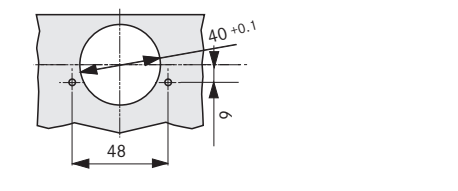
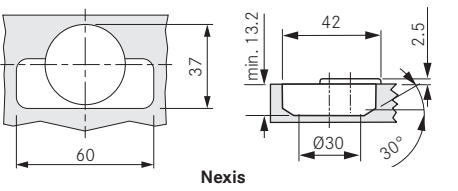
Note: Reveal dimensions were determined with an edge radius (of the door) of 1mm. Hinge dimensions and reveal calculation based on factory setting.

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

Legend

- BPH = Base Plate Height
- CC = Center Cup
- DD = Drilling Distance
- DT = Door Thickness
- R = Reveal

Cup Dimensions

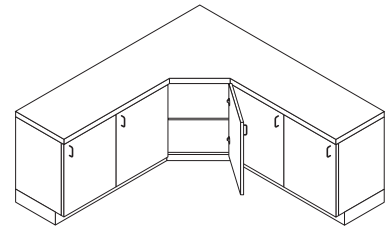


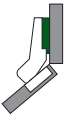
Nexis 95/+45°



+45° angle corner cabinet hinge



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

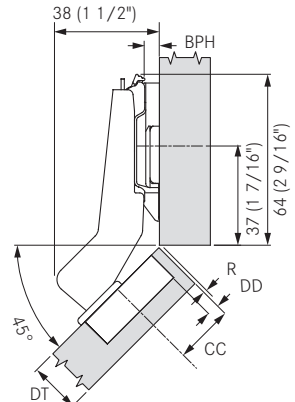


+45° Angle Opening Angle 95°		Impresso				Screw-On		Dowelled		
Inset		Pattern	Type	Item No.	PU	Pattern	Type	Item No.	Item No.	PU
 <p>Nexis Impresso: Hinge cup: diecast, nickel-plated Hinge arm: diecast, nickel-plated</p> <p>Nexis : Hinge cup: steel, nickel-plated Hinge arm: diecast, nickel-plated</p>	Nexis Impresso:	42/45	Self-close	-		45	Self-close	F015072613225	F015072612225	125
		45/48	Self-close	F014072512225	125	48	Self-close	F015072751225	F015072750225	125

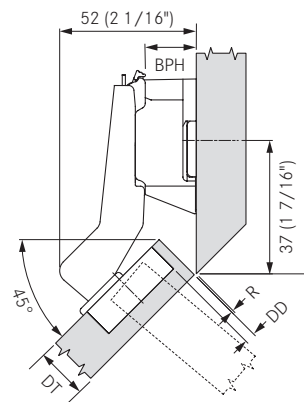
Cover Cap	For Nexis Hinges	Item No.	PU	Wood Screw, Nickel-plated	Item No.	PU
	Black plastic	F069073497261	1000		#6 x 5/8" FHP, NI	81001-43
						500

PU - Packaging unit

Corner Angle **Inset**



Drawings show Nexis with a base plate, (BPH) 04.



Drawings show Nexis with a base plate, (BPH) 18.

Drilling Distance (DD)

*3	4	5	6
	2		4

Base Plate Height (BPH)

Minimum Gaps **Reveal**

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	0.5	0.5	0.5	0.5
22	0.5	0.5	0.5	0.5
23	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

Door Thickness (DT) Minimum Gap

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

Drilling Distance (DD)

	3	4	5	6
16	0.1	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

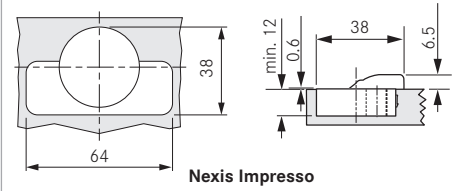
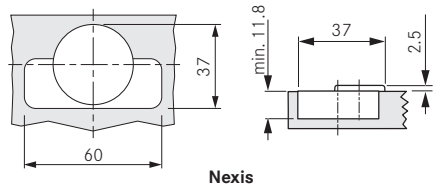
Door Thickness (DT) Reveal Min. (R)

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

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

Legend **Cup Dimensions**

- BPH = Base Plate Height
- CC = Center Cup
- DD = Drilling Distance
- DT = Door Thickness
- R = Reveal

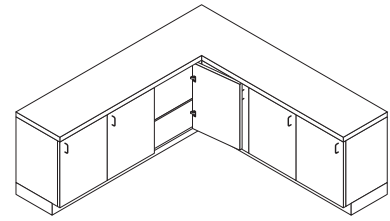


Nexis 95/90°

95° post hinge for blind corner cabinet



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



Blind Corner Opening Angle 95°	Screw-On	Dowelled
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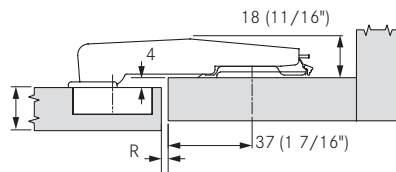
Inset	Pattern	Type	Screw-On	Dowelled	PU
Hinge cup: steel, nickel-plated Hinge arm: diecast, nickel-plated	45	Self-close	-	F015072624225	125

Overlay	Pattern	Type	Screw-On	Dowelled	PU
Hinge cup: steel, nickel-plated Hinge arm: diecast, nickel-plated	45	Self-close	F015072622225	148.405.54.1915	125

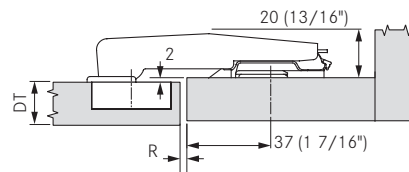
Cover Caps	For Nexis Hinges	Item No.	PU	Wood Screw, Nickel-plated	Item No.	PU
Black plastic		F069073497261	1000	#6 x 5/8" FHP, NI	81001-43	500

PU - Packaging unit

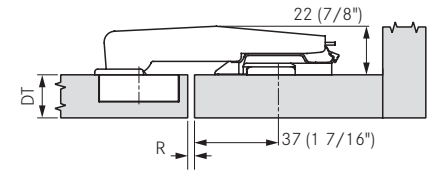
Inset



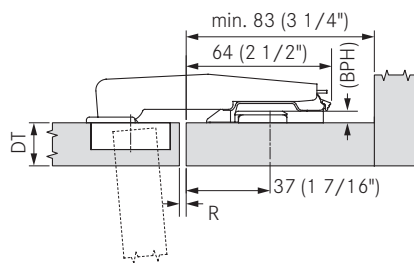
Drawings show Nexis with a base plate, (BPH) 00.



Drawings show Nexis with a base plate, (BPH) 02.



Drawings show Nexis with a base plate, (BPH) 04.



Door Thickness (DT)	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)			

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

IMPORTANT

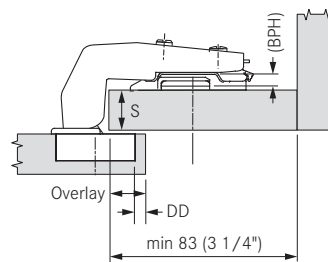
To determine the correct application Grass strongly recommends a trial mounting for all hinges and base plates.

Note:
*3mm drilling distance for Nexis only
A door stop is needed to prevent over close.

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

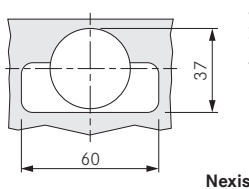


Note: Hinge dimensions with factory setting.

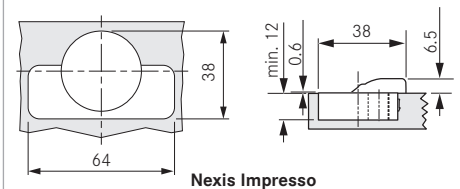
Legend

BPH = Base Plate Height
CC = Center Cup
DD = Drilling Distance
DT = Door Thickness
R = Reveal
S = Post Thickness

Cup Dimensions



Nexis



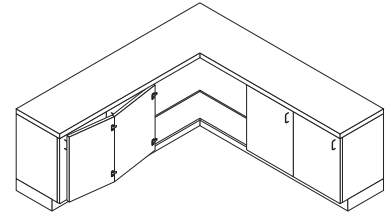
Nexis Impresso

Nexis PCC


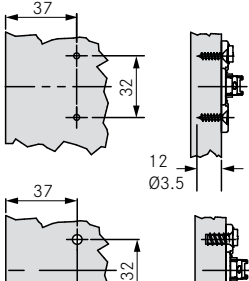
Pie-cut corner hinge





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



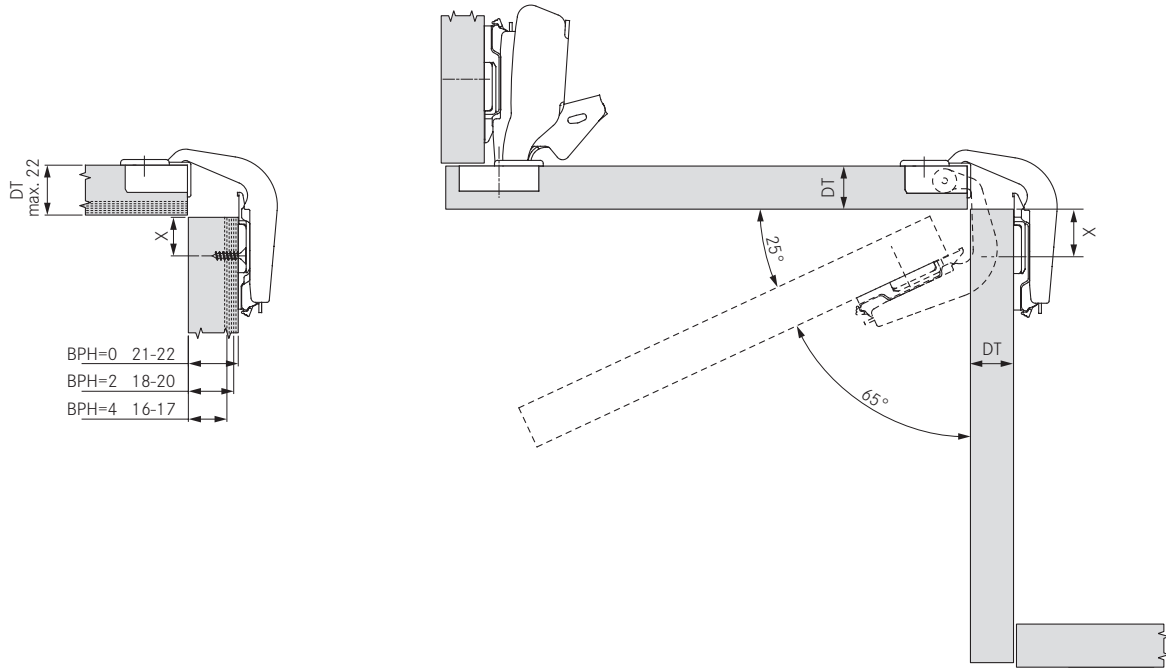
Pie-cut Corner Hinge		Screw-On		Dowelled	
 <p>Nexis : Hinge cup: diecast, nickel-plated; Hinge arm: diecast, nickel-plated</p>	Pattern	Type	Item No.	Item No.	PU
	45	Self-close	-	F015072653 225	125
	48	Self-close	F015072858 225	F015072859 225	125

Base Plates for PCC		Cam Base Plate, 2-Point Fixing				
		Door Thickness	Screws	Height	Item No.	PU
		21mm-22mm	For wood screws	00	F061073253 236	250
		18mm-20mm	For wood screws	02	F061073254 236	250
		16mm-17mm	For wood screws	04	F061073255 236	250
		21mm-22mm	With pre-mounted Euro screws	00	F061073236 236	250
		18mm-20mm	With pre-mounted Euro screws	02	F061073237 236	250
16mm-17mm	With pre-mounted Euro screws	04	F061073238 236	250		

Cover Cap	For Nexis Hinges	Item No.	PU	Wood Screw, Nickel-plated	Item No.	PU	
	Black plastic	F069073497 261	1000		#6 x 5/8" FHP, NI	81001-43	500

PU - Packaging unit

Hinge Application



Drawings show Nexis with a base plate, (BPH) 02.

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

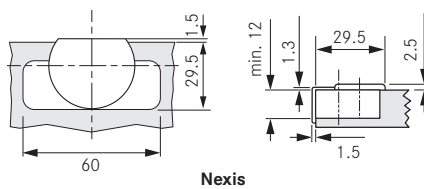
Door thickness (DT)	16	17	18	19	20	21	22
Distance (X)	25	24	22	21	20	18	17
Base Plate Height (BPH)	04		02		00		

IMPORTANT

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

Legend Cup Dimensions

- BPH = Base Plate Height
- CC = Center Cup
- DD = Drilling Distance
- DT = Door Thickness
- R = Reveal
- X = Distance



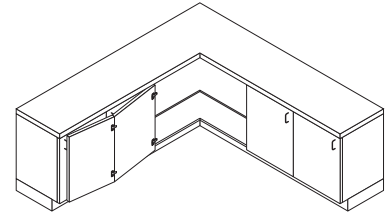
Nexis

Nexis 21 PCC

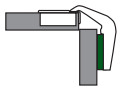
Pie-cut corner hinge with full cup recess



- 3-dimensional adjustment with suitable base plate
- Designed for folding doors in corner cabinets
- For door thicknesses Max. 24mm, factory setting 19mm door thickness with 4mm drilling distance
- Self-close hinges available
- Used in conjunction with Nexis 170 hinges
- Shallow cup depth of 10.8mm



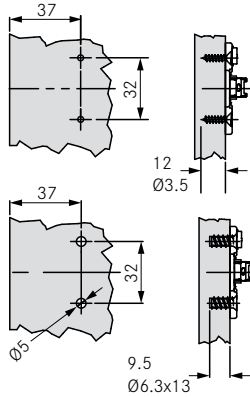
Nexis 21 Pie-cut Corner Hinge Screw-On Dowelled



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

Pattern	Type	Item No.	Item No.	PU
42	Self-close	F015070139225	F015070140225	125
42	Self-close	F015070139213	F015070140213	25
45	Self-close	-	F015135477225	125

Base Plates for PCC Cam Base Plate, 2-Point Fixing

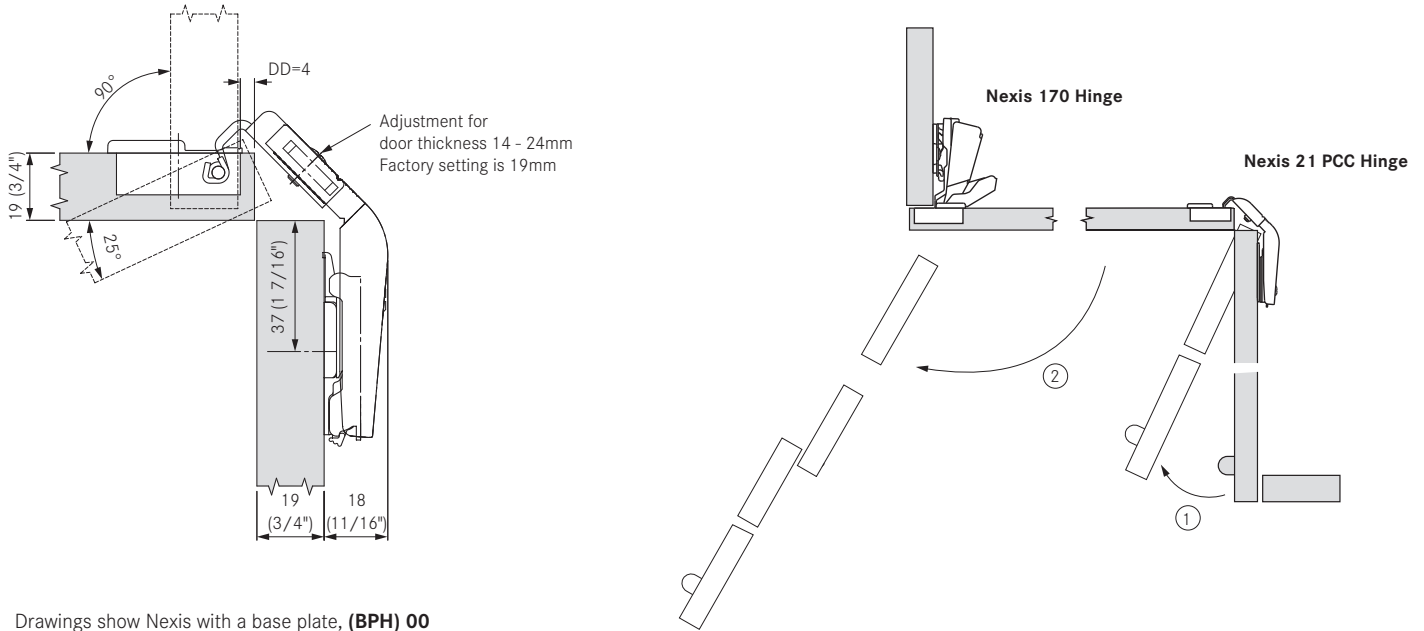


Door Thickness	Screws	Height	Item No.	PU
18mm-24mm	For wood screws	00	F061073253236	250
14mm-17mm	For wood screws	02	F061073254236	250
18mm-24mm	With pre-mounted Euro screws	00	F061073236236	250
14mm-17mm	With pre-mounted Euro screws	02	F061073237236	250

Cover Cap	For Nexis Hinges	Item No.	PU	Wood Screw, Nickel-plated	Item No.	PU
	Black plastic	F069073497261	1000		#6 x 5/8" FHP, NI 81001-43	500

PU - Packaging unit

Hinge Application



Drawings show Nexis with a base plate, **(BPH) 00**
for door thickness 19mm, Factory setting.
Drilling distance range 3mm - 6mm

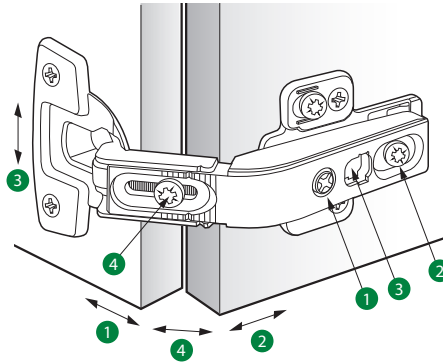
Adjustment

Adjustment in the hinge arm

1. Side adjustment $\pm 2\text{mm}$
2. Depth adjustment $\pm 2\text{mm}$
4. door thickness 14 to 24mm,
factory setting 19mm

Adjustment via base plate

3. Height adjustment $\pm 2\text{mm}$



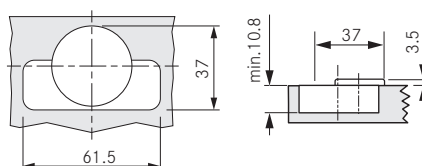
IMPORTANT

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

Legend

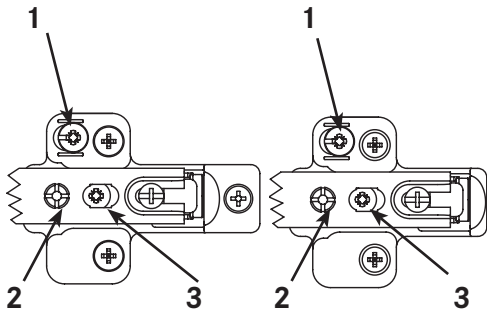
BPH = Base Plate Height
CC = Center Cup
DD = Drilling Distance
DT = Door Thickness
R = Reveal

Cup Dimensions

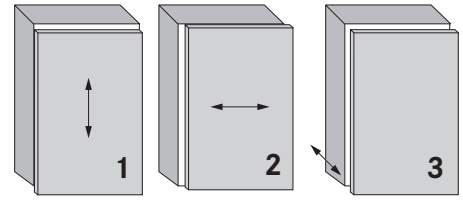


Base Plates

Nexis



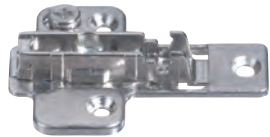
- Steel, nickel plated
- Depth and height adjustment via eccentric cam
- Side adjustment via hinge
- Use a #2 Pozi drive screwdriver for hinge adjustment
- Attach base plates using all available screw holes



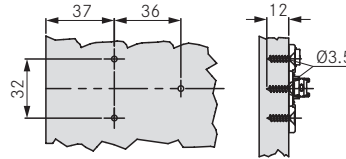
Height adjustment ± 2mm Side Adjustment +1/-3mm Depth adjustment +3/-1mm

All adjustment options can be made independently of one another

Cam Base Plate, 3 Point Fixing For Wood Screw

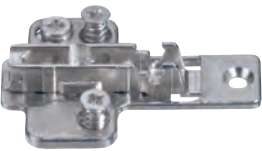


- Height adjustment via eccentric cam

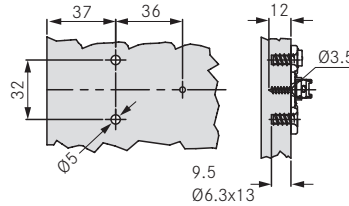


Height	Item No.	PU
00	F061073214 236	250
02	F061073215 236	250
04	F061073216 236	250
08	F061073218 236	250

Cam Base Plate, 3 Point Fixing With Pre-mounted Euro Screws

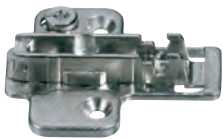


- Height adjustment via eccentric cam

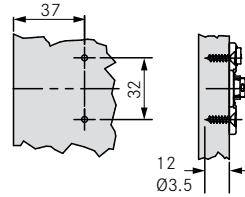


Height	Item No.	PU
00	F061073232 236	250
02	F061073233 236	250
08	F061073235 236	250

Cam Base Plate, 2 Point Fixing For Wood Screw



- Height adjustment via eccentric cam

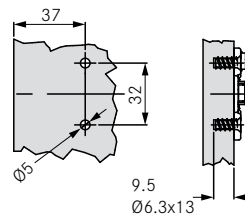


Height	Item No.	PU
00	F061073253 236	250
02	F061073254 236	250
04	F061073255 236	250
08	F061073223 236	250

Cam Base Plate, 2 Point Fixing With Pre-mounted Euro Screws



- Height adjustment via eccentric cam

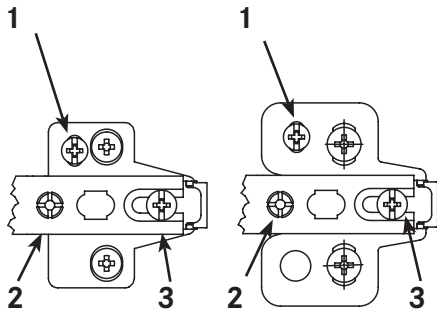


Height	Item No.	PU
00	F061073236 236	250
02	F061073237 236	250
04	F061073238 236	250
06	F061073239 236	250
08	F061073240 236	250

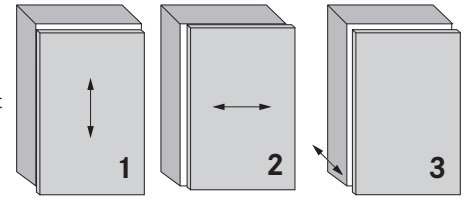
PU - Packaging unit

Base Plates

Nexis



- Height adjustable
- Depth adjustment via hinge arm
- Side adjustment via hinge
- Use a #2 Pozi drive screwdriver for hinge adjustment
- Attach base plates using all available screw holes



Height adjustment
± 2mm

Side Adjustment
+1/-3mm

Depth adjustment
+3/-1mm

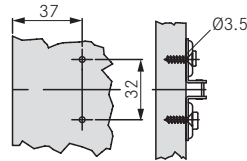
All adjustment options can be made independently of one another

Cam Height Adjustable Base Plate, 2 Point Fixing

For Wood Screw



- Height adjustment via eccentric cam
- Steel, nickel-plated



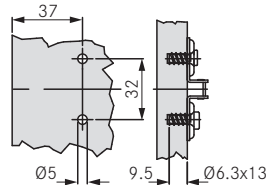
Height	Item No.	PU
00	F060073142 236	250
02	F060073143 236	250

Cam Height Adjustable Base Plate, 2 Point Fixing

With Pre-mounted Euro Screws



- Height adjustment via eccentric cam
- Steel, nickel-plated



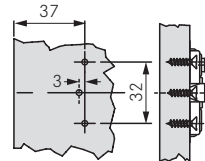
Height	Item No.	PU
00	F060073176 236	250
02	F060073177 236	250

2 Piece Height Adjustable Base Plate, 3 Point Fixing

For Wood Screw



- Height adjustment via screw
- Steel/die-cast, nickel-plated



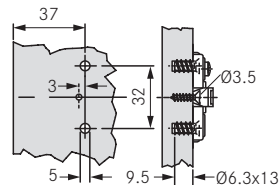
Height	Item No.	PU
00	F060073148 236	250
02	F060073150 236	250
04	F060073151 236	250
08	F060073152 236	250

2 Piece Height Adjustable Base Plate, 3 Point Fixing

For Euro Screws



- Height adjustment via screw
- Steel/die-cast, nickel-plated

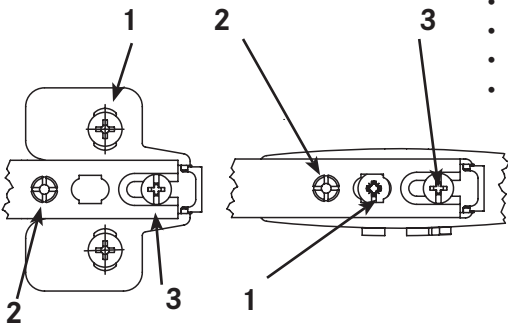


Height	Item No.	PU
00	F060073156 236	250
02	F060073157 236	250
08	F060073159 236	250
18*	F060073175 236	250

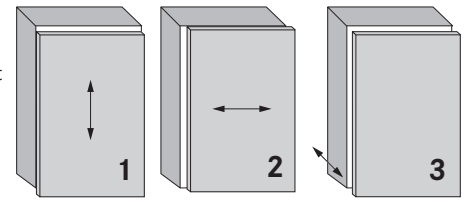
*with Pre-mounted Euro Screws

Base Plates

Nexis



- Steel, nickel plated
- Side adjustment via elongated hole
- Use a #2 Pozi drive screwdriver for hinge adjustment
- Attach base plates using all available screw holes



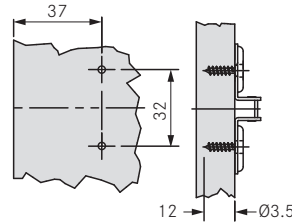
Height adjustment ± 2mm Side Adjustment +1/-3mm Depth adjustment +3/-1mm

All adjustment options can be made independently of one another

Wing Steel Base Plate, 2 Point Fixing For Wood Screw



- Height adjustment via elongated screw holes

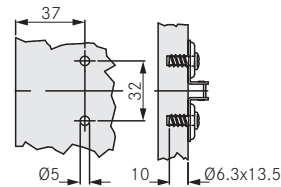


Height	Item No.	PU
00	F060073144 236	250
02	F060073145 236	250
04	F060073146 236	250

Wing Steel Base Plate, 2 Point Fixing With Pre-mounted Euro Screws



- Height adjustment via elongated screw holes

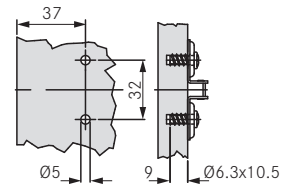


Height	Item No.	PU
00	F060073179 236	250
02	F060073180 236	250
04	F060073181 236	250

Wing Steel Base Plate, 2 Point Fixing With Pre-mounted Euro Screws



- For common panel application
- Pre-mounted 10.5mm Euro screws
- Height adjustment via elongated screw holes

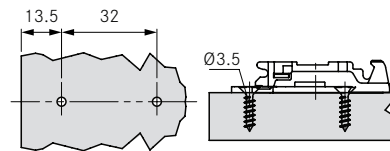


Height	Item No.	PU
00	F060073201 236	250

Linear Base Plate, 2 Point Fixing For Wood Screws



- Height adjustment via cam
- Zinc-diecast

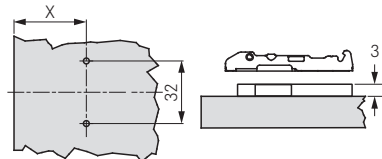


Height	Item No.	PU
00	F060073129 236	250

3mm Universal Spacer 37/32



- For use with Nexis or Tiomos base plate applications
- Snap-to-fit breakaway section for Nexis applications
- For placing under wing mounting plates
- Can be stacked (max. 2)

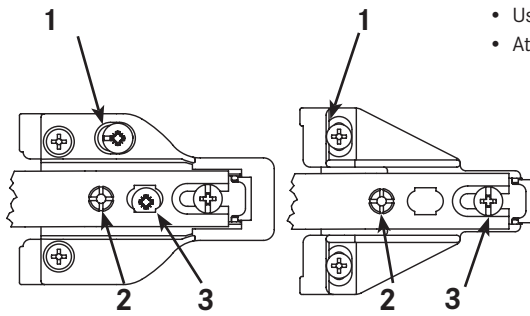


Height	Item No.	PU
3	13461-41	50

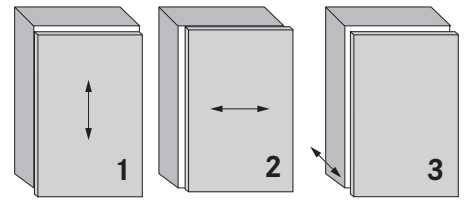
PU - Packaging unit

Base Plates

Nexis



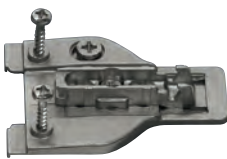
- Use a #2 Pozzi drive screwdriver for hinge adjustment
- Attach base plates using all available screw holes



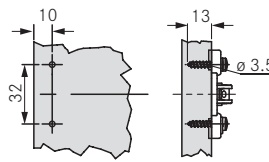
Height adjustment ± 2mm Side Adjustment +1/-3mm Depth adjustment +3/-1mm

All adjustment options can be made independently of one another

FFA Cam Base Plate



- Height and depth adjustment via eccentric cam



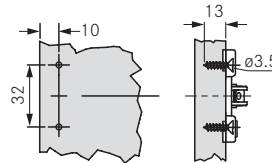
With Pre-mounted Wood Screws

Height	Item No.	PU
00	F061073283 236	250
04	F061073285 236	250

FFA Cam Base Plate



- Height and depth adjustment via eccentric cam



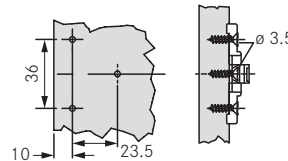
For Wood Screw

Height	Item No.	PU
00	F061073279 236	250
02	F061073280 236	250
04	F061073281 236	250

FFA Base Plate



- Height adjustment via elongated hole



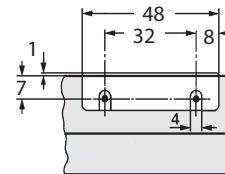
For Wood Screw

Height	Item No.	PU
00	F061073275 236	250
04	F061073277 236	250

Inset FFA Base Plate



- For Inset doors
- To be used with half overlay (cranking 08) hinges
- Height adjustment via screw



For Wood Screw

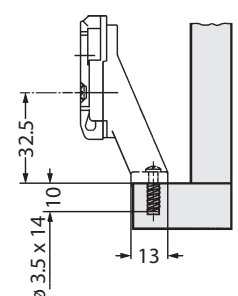
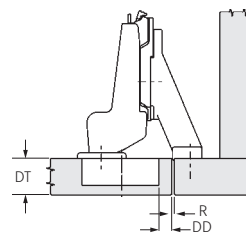
Height	Item No.	PU
02	F061073278 236	250

110° Standard Half Overlay hinge

Door Thickness (DT)	Drilling Distance (DD)			Minimum reveal (R)
	3	4		
22				
21	2.0*			
20	2.0			
19	2.0	1.0*		
18	2.0	1.0		
16	2.0	1.0		

95° Thick Door Half Overlay Hinge

Door Thickness (DT)	Drilling Distance (DD)			Minimum reveal (R)
	3	4		
24				
22	2.0*			
20	2.0			
19	2.0	1.0*		
18	2.0	1.0		
16	2.0	1.0		



Hinge dimensions and reveal calculation based on factory setting.

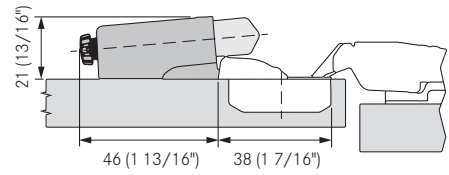
*Minimum reveal for doors with beveled edges (R= 1mm) (factory setting).

Soft-close Nexis Impresso

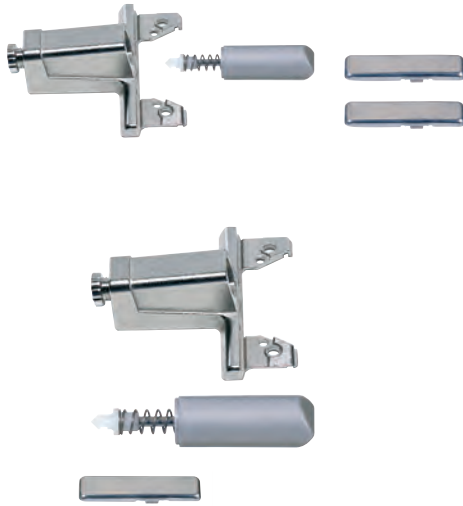
For Nexis Impresso 95°, 100°, 110°, and 125° hinges



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



Soft-close Impresso



Description	Material	Item No.	PU
Soft-close Impresso Set		F069073728525	125

1 set consists of:

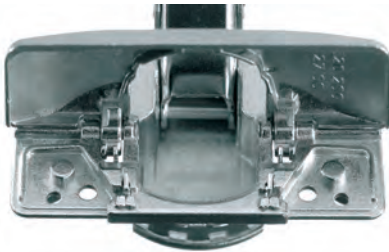
- 1 Soft-close adapter for Nexis Impresso hinges
- 1 Soft-close damper
- 2 cover caps

Description	Material	Item No.	PU
Soft-close Impresso adapter		F069073726225	125
Soft-close damper		F069073701225	125
Cover cap for hinges - cranking 00	Steel, nickel-plated	F069073683247	1000

Cover caps Soft-close compatible.

Installation Instructions for Soft-close Impresso

Soft-close Impresso



Check for locator pins to verify Soft-close compatibility.

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 38.



For flat panel doors.

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.

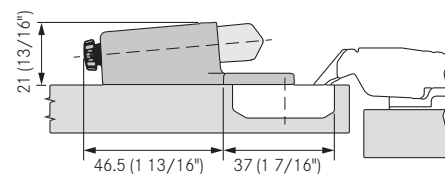
PU - Packaging unit

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 tool-free
- Damping force can be individually adjusted
- Perfect retrofit solution



Soft-close Nexis



Description	Material	Item No.	PU
Soft-close Nexis Set		F069073714525	125

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



Description	Material	Item No.	PU
Soft-close adapter		F069073715225	125
Cover cap for hinges - cranking 00	Steel, nickel-plated, without imprint	F069073683225	1000

Cover caps Soft-close compatible.

Installation Instructions for Soft-close

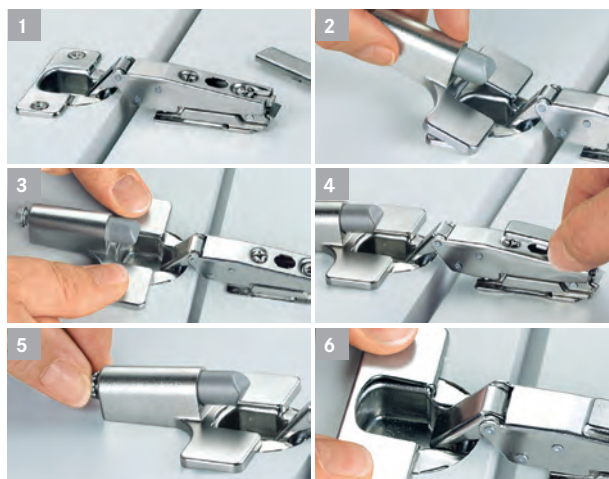
Soft-close Nexis



Check for notches to verify Soft-close compatibility.

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 38.



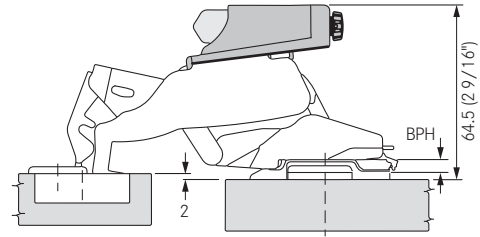
1. Remove cover cap (if installed) on 00 cranking hinges.
2. Insert Soft-close Nexis adapter into notches located on the sides of the hinge cup and attach adapter.
3. Press both sides of the adapter downward until you hear a noticeable "click".
4. Mount cover cap on hinge if desired (cover cap is included 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.

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 tool-free
- Perfect retrofit solution



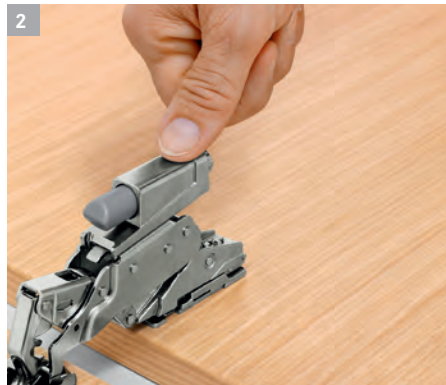
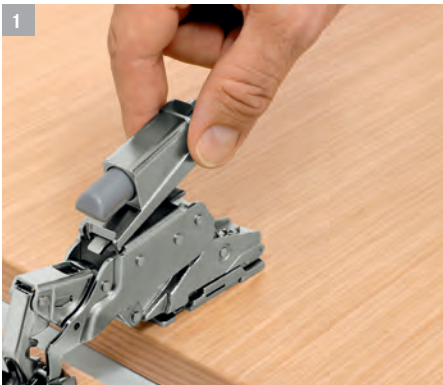
Soft-close 170°



Soft-close adapter for Nexis Impresso 170° and Nexis 170° wide-angle hinges

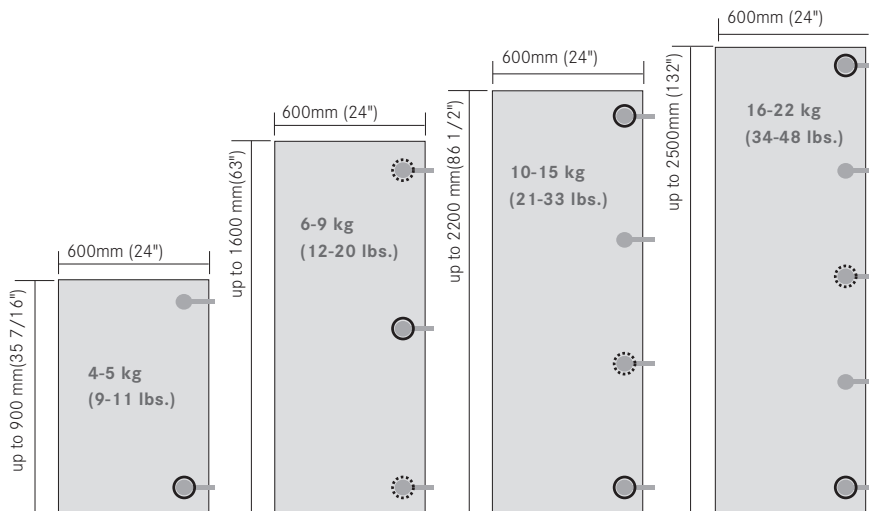
Item No.	PU
F069073729225	125

Installation



1. Insert Soft-close Nexis adapter prongs into opening located on top of the hinge arm.
2. Press adapter downward until locked in place. You will hear an audible "click".

Recommended Position for Soft-close Nexis



- 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
- Brushed nickel look blends in well with hinge finish
- Non-handed with a low profile design
- Manually adjustable to desired closing speed
- Mounts independently from the hinge in the upper corner of the cabinet
- Instantly allows the cabinet door to close quietly and smoothly
- Scratch protector and front bumper with cushion for a quiet close

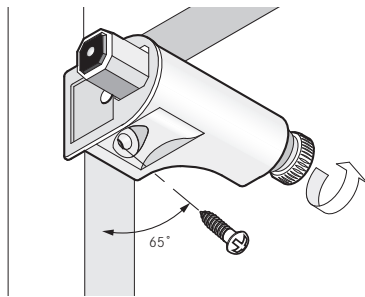
UniSoft Adapter



Description	Material	Item No.	PU
UniSoft, Polybag	Plastic, chrome	18971-37	1
UniSoft, Polybag Bulk	Plastic, chrome	18971-40	25
UniSoft, Bulk	Plastic, chrome	18971-14	250

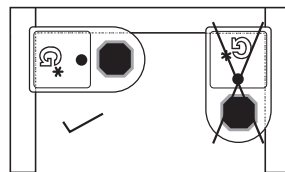
Includes #6 x 3/4" Pan head screw

Installation



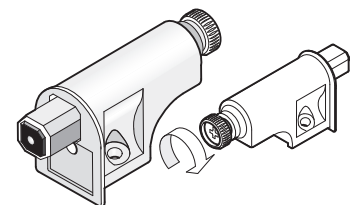
Use a 65° angle for best base results. Pilot drill 2.3mm (Ø3/32") and 1/4" deep for a #6 x 3/4" Pan head screw recommended. Mount in upper corner on hinge side.

Mounting Position



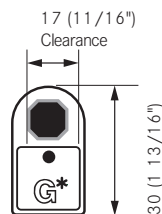
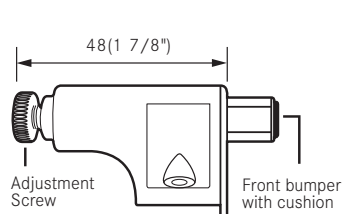
IMPORTANT The installation of our cabinetry hardware must comply with the Grass instructions that are stated on this catalog page.

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.

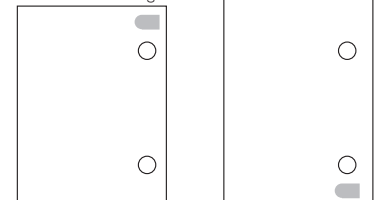
Dimensions



UniSoft per Door

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

■ UniSoft ○ Hinges





INSTITUTIONAL & SPECIALTY HINGE ITEMS

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. This institutional hinge system is designed for frameless cabinetry and offers high load weight bearing capabilities.

The tried and proved 975 Pie-cut corner hinge for lazy susan applications accommodates doors up to 24mm.



Institutional Hinge

Technical Information

Hinge Insertion



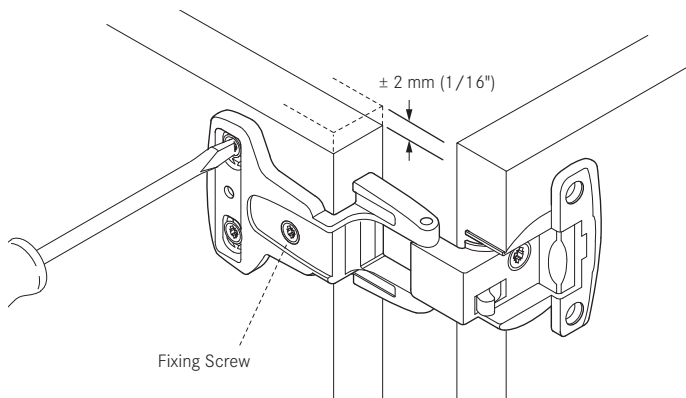
A slight press with the thumb securely connects the door with the cabinet.

Hinge Removal



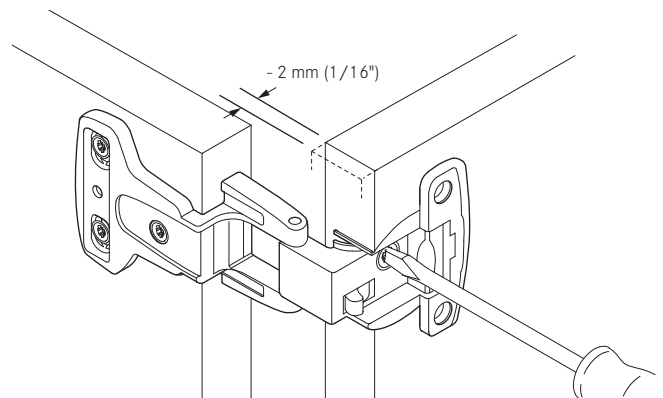
Use flathead screwdriver to remove hinge arm from hinge cup with a simple twist.

Adjustments



Height Adjustment

1. Loosen fixing screw.
2. Adjust door ± 2 mm up and down.
3. Tighten fixing screw.



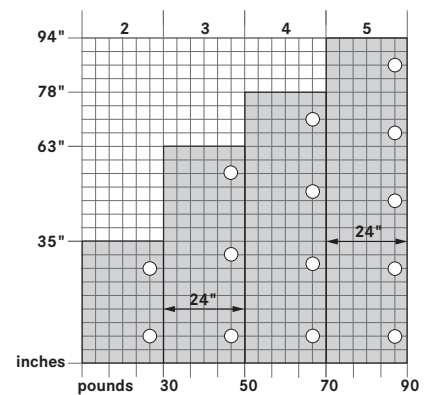
Side Adjustment

1. Adjust door 2mm out via Cam adjustment

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.

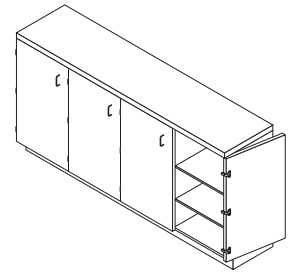


Institutional Hinge

MB series barrel hinge



- Hinges made of zinc die-cast construction for extreme durability
- Recommended for side panel thicknesses of 19mm (3/4")
- Tool-free snap-on mounting - quick and easy installation
- Side adjustment of - 2mm (1/16")
- Height adjustment of +/- 2mm (1/16")
- Cover cap conceals mounting screws
- Designed for frameless cabinet construction
- Opening angles range from 180° to 270°
- Meets ANSI/BHMA A156.9 - Grade I requirements



MB 8010 Hinge Cup

Hinge Cup	Pattern	Material	Item No.	Item No.	PU
MB 8010 Hinge Cup - 45mm pattern	45	Nickel Plated	F150000006233	F150000021233	200



Hinge Arms



Description	Material	Item No.	PU
MB 8310 Hinge Arm - Full Overlay -15mm (19/32")	Nickel Plated	F150000014223	100

Description	Material	Item No.	PU
MB 8510 Hinge Arm - Half Overlay - 5.5mm (7/32")	Nickel Plated	F150000015223	100

Description	Material	Item No.	PU
MB 6110 Hinge Arm - Inset	Nickel Plated	F150000007223	100

Euro Screws for Hinge Arm Mounting	Item No.	PU
6.3 x 13.5mm Nickel Plated (two per hinge)	B405.000.51.25	100

Cover Cap

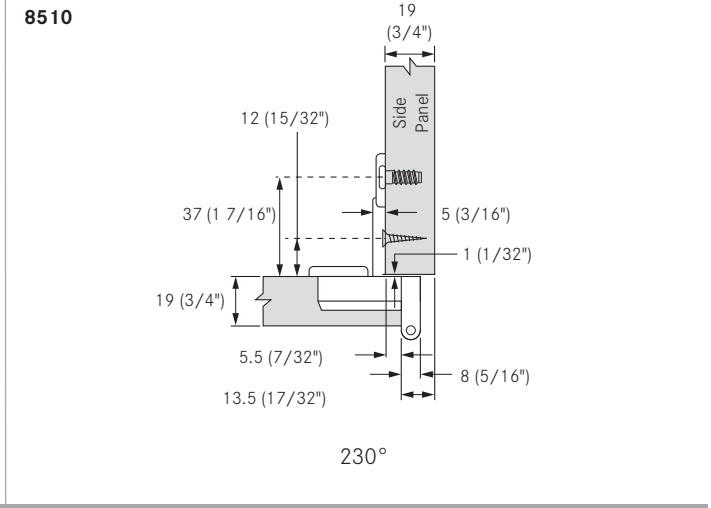
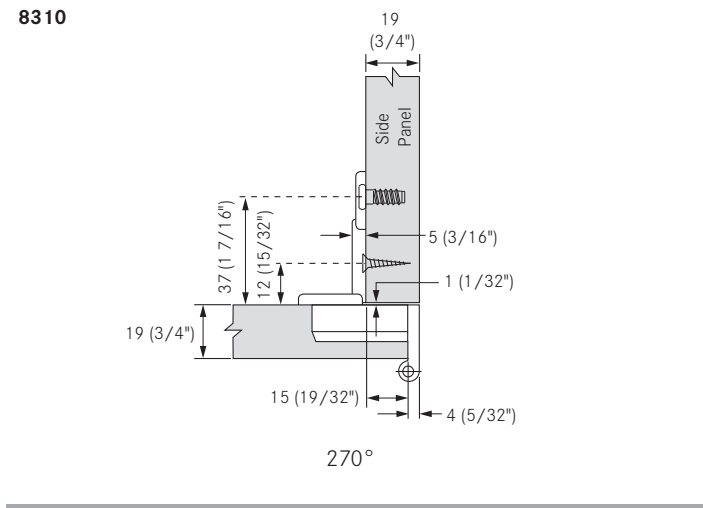


Cover cap included with hinge arm

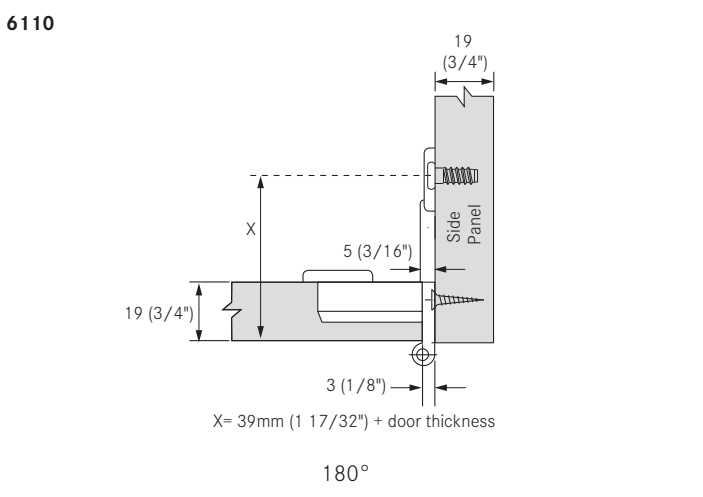
*Meets Grade I requirements when third screw and adjustment tabs are in place.

PU - Packaging unit

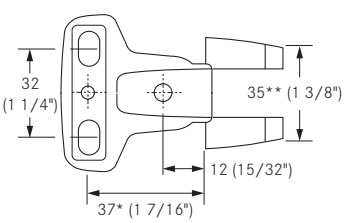
Full Overlay 270° **Half Overlay 230°**



Inset 180°



Hinge Arm Dimensions **Specifications**



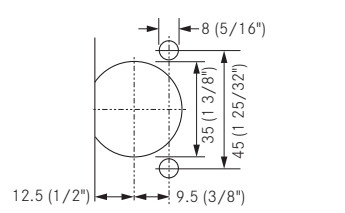
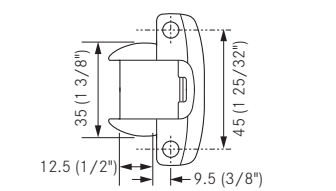
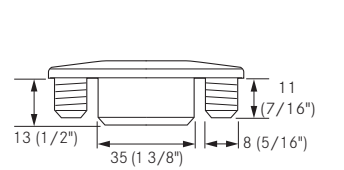
Institutional hinges
32mm compatible

*For Inset doors use:
 39mm (1 17/32") + Door Thickness

**Inset: 35mm (1 3/8")
 **Full or Half Overlay: 31mm (1 1/4")

	Reveal	Opening Angle	Overlay
Application			
Full Overlay	4mm (5/32")	270°	15mm (19/32")
Half Overlay	13.5mm (17/32")	230°	5.5mm (7/32")
Inset	3mm (1/8")	180°	-

Cup Depth **Hinge Cup** **Cup Drilling**



IMPORTANT

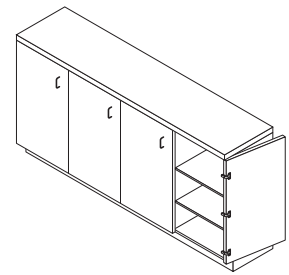
To determine the correct application Grass strongly recommends a trial mounting for all hinges and base plates.

Nexis Slide-on 73

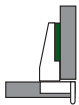
270° single-joint Institutional hinge



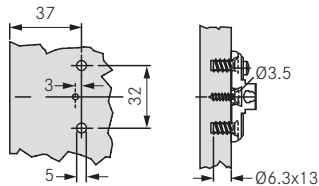
- 3-dimensional adjustment with suitable base plate
- For door thicknesses 15 to 21mm
- For door overlay up to 16mm (5/8")
- Automatic hold-closed function
- Meets ANSI/BHMA A156.9 - Grade II requirements




Nexis 73 Opening Angle 270°		Screw-On		Dowelled		
Full Overlay	Cranking 00	Pattern	Type	Item No.	Item No.	PU
	Hinge cup: diecast, nickel-plated; Hinge arm: diecast, nickel-plated	48	Hold-close	F016073084225	F016073094225	125



Base Plates, 3-Point Fixing

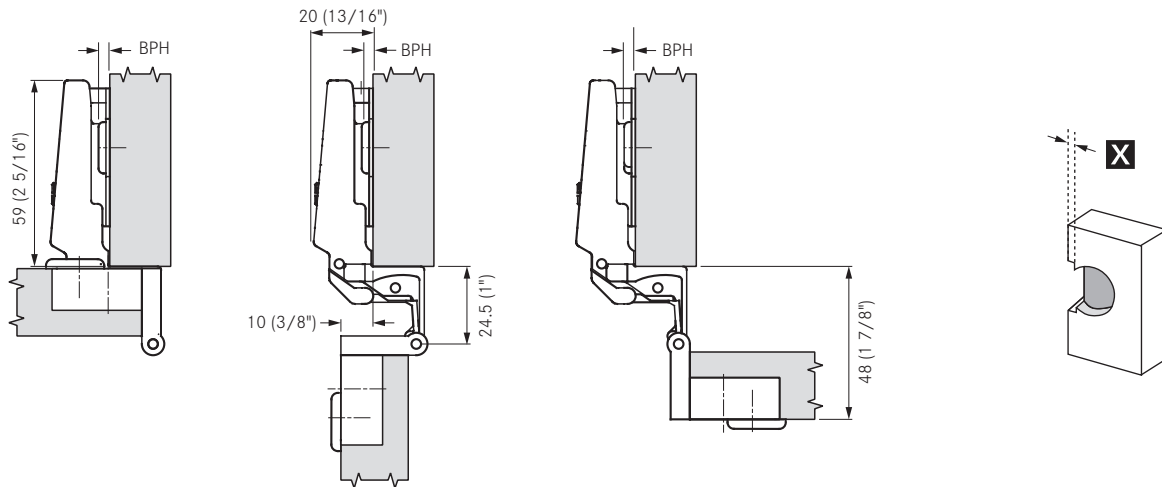


Height	Description	Item No.	PU
00	Steel, nickel plated with pre-attached Euro Screws	F062073316236	250

Cover Cap	For Nexis Hinges	Item No.	PU	Wood Screw, Nickel-plated	Item No.	PU
	Black plastic	F069073497261	1000		#6 x 5/8" FHP, NI 81001-43	500

PU - Packaging unit

Full Overlay



Drawings show hinge with a base plate, **(BPH) 00**.

Door Overlay

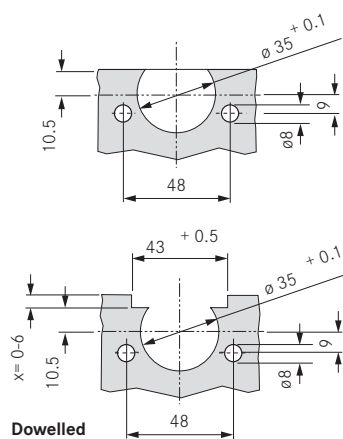
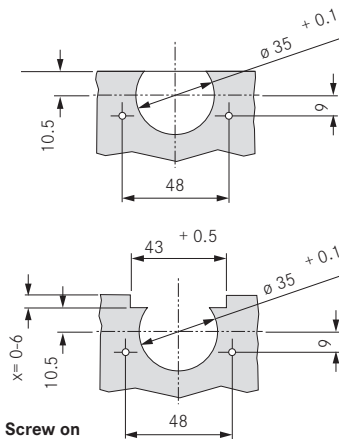
	Depth of cut-out (x)						
	6	5	4	3	2	1	0
16	0						
15		0					
14	2		0				
13		2		0			
12	4		2		0		
11		4		2		0	
10			4		2		0
9				4		2	
8					4		2
7						4	
6							4
	Base Plate Height (BPH)						

Note: Hinge dimensions and gap calculation based on factory setting.

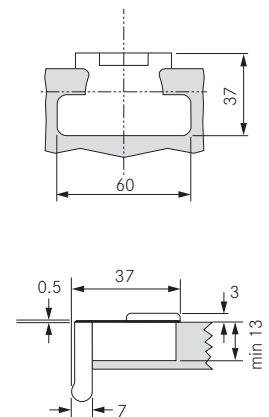
IMPORTANT

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

Drilling Patterns



Cup Dimensions

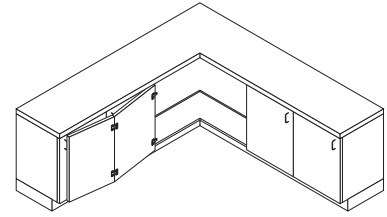


975 VZ PCC

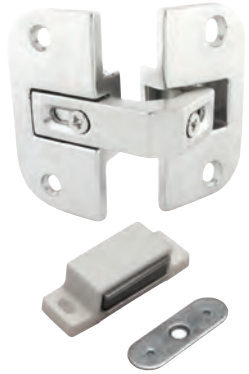
Pie-cut Corner Hinge



- Small or large gap between door
- Shallow profile does not interfere with lazy susans
- Same drilling on both doors
- Height adjustable
- Accommodates doors 15 to 24mm thick.



975 VZ Pie-cut Corner Hinge



Description	Material	Item No.	PU
975 VZ Pie-cut Corner Hinge kit	Hinge: Zinc, nickel-plated	13128-37	1
975 VZ Pie-cut Corner Hinge	Hinge: Zinc, nickel-plated	13127-09	100

1 kit consists of:

- 2 PCC hinges (13127-09)
- 1 strike plate
- 1 magnetic catch
- 1 instruction sheet

Door Sizing Example

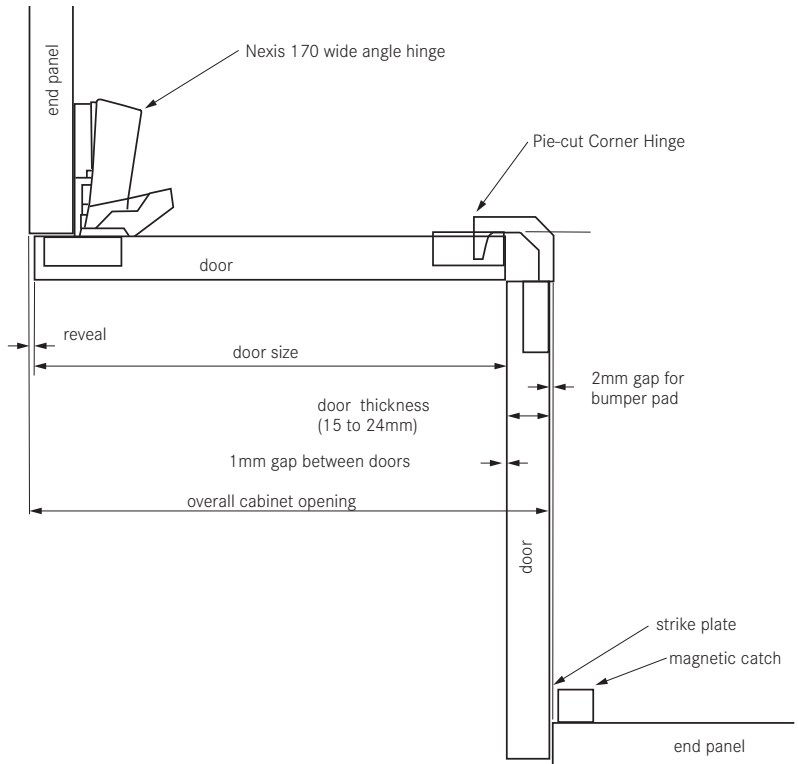
Door Sizing Example	
Overall cabinet opening	305mm
-Reveal	3mm
	=302mm
-2mm gap for bumper pad	2mm
	=300mm
- Door Thickness	19mm
	=281mm
-1mm Gap between doors	1mm
Door Size	= 280mm

Note:

Use a POZIdrive screwdriver for hinge adjustment.
 Fastening screws for hinge: #6 x 5/8" FHP (not included)
 Fastening screws for catch: #4 x 5/8" FHP (not included)

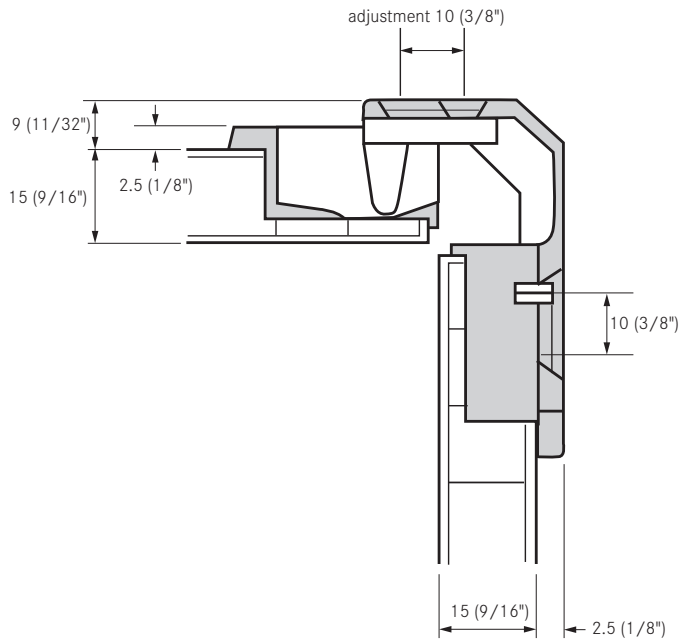
IMPORTANT

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

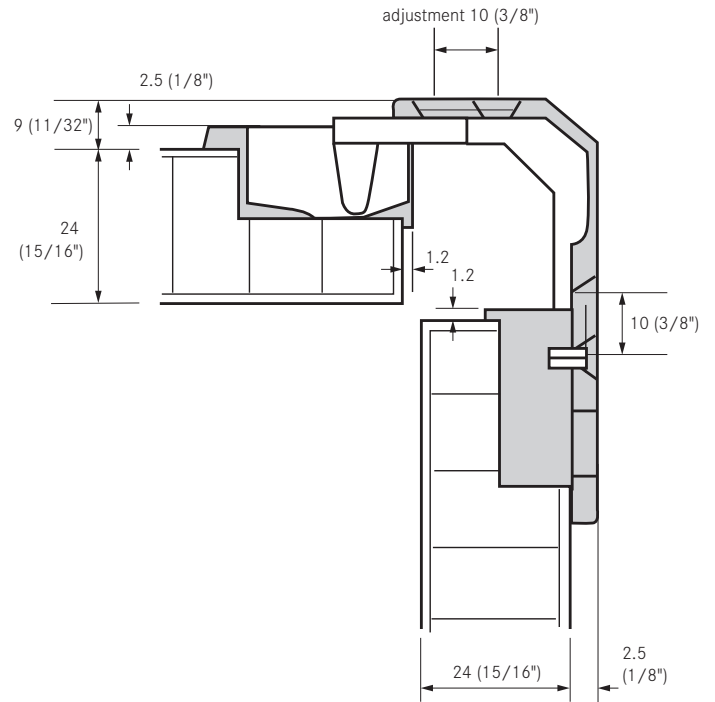


PU - Packaging unit

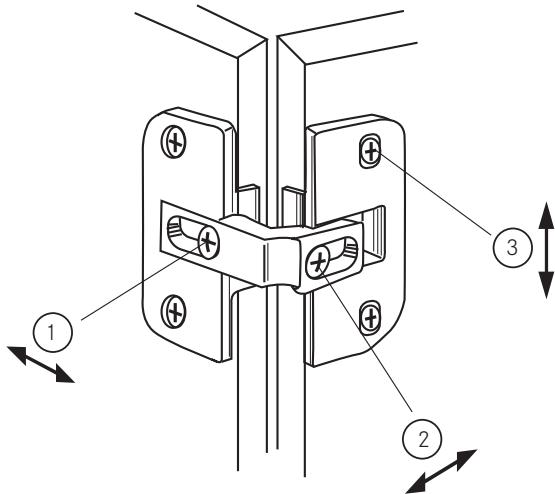
5/8" Door Thickness Application



1" Door Thickness Application

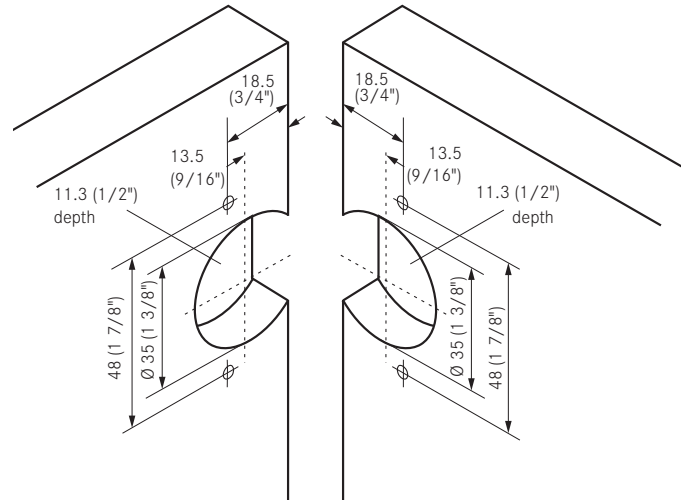


Adjustment



- 1. Side Adjustment up to 10mm
- 2. Depth Adjustment up to 10mm
- 3. Height Adjustment ± 1mm

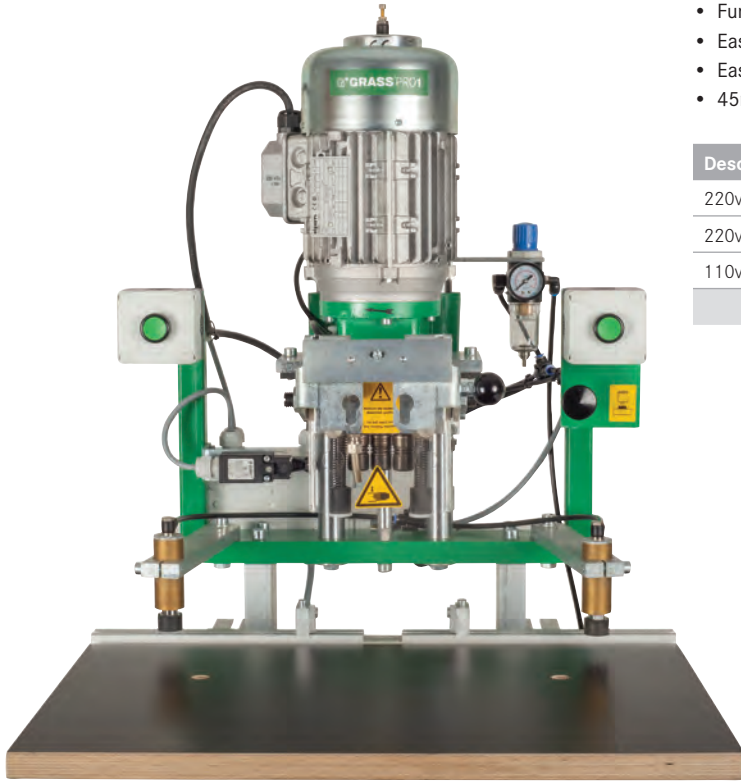
Cup Dimensions



Machinery

GRASS PRO1 drilling and insertion machine for 45mm boring pattern

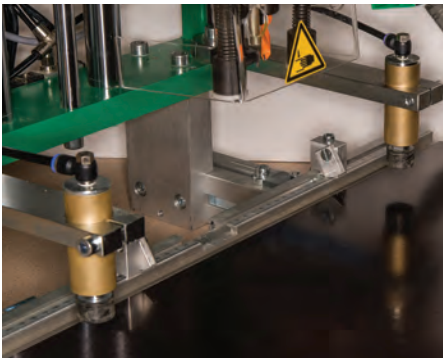
GRASS PRO1



- Depth stop can be adjusted to material thickness
- Functional design
- Easy, fast and efficient operation
- Easy maintenance
- 45mm boring pattern

Description	Item No.	PU
220v single phase pneumatic	94559-01	1
220v three phase pneumatic	94560-01	1
110v single phase pneumatic	94561-01	1

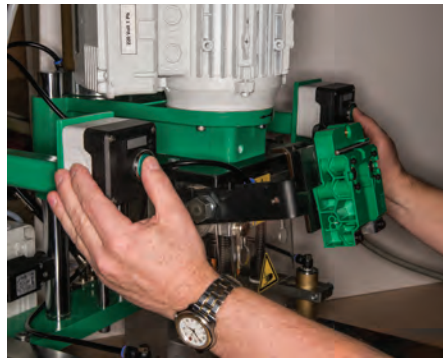
GRASS PRO1 Features



Adjustable hold-down devices

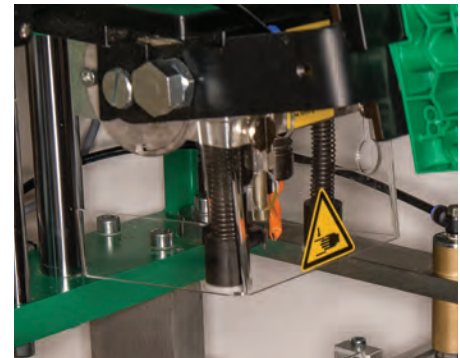
Adjustable hold-down devices are suitable for a wide range of material thicknesses.

Holds door firmly in place for drilling and insertion and features manual release.



Pneumatic controls

Two-hand start button controls for safe drilling and insertion functions.



Quick change chucks

Easy drill bit removal and insertion using quick change chucks.

PU - Packaging unit

Machinery

GRASS PRO1 accessories

Drill Bits



1



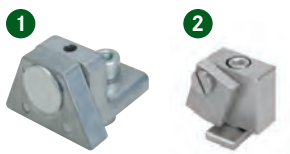
2

Description	Direction	Item No.	PU
1 35mm bit	RH	00077-01	1
2 8mm bit	LH	00160-01	1
American Bit Set for Hinge Drilling		00213-01	1

Set consists of:

- 1 - 35mm bit, RH
- 2 - 8mm bit, LH

Fence Stops

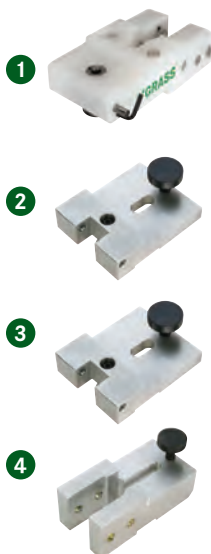


1

2

Description	Item No.	PU
1 Additional fence stop	949.200.21.0000	1
2 Universal fence stop	949.200.21.0100	1

Insertion Dies



1

2

3

4

Description	Item No.	PU
1 Tiomos Universal Insertion Die 110°/120°/160°	80039	1
2 TEC Insertion Die	92617	1
3 Nexis Insertion Die 110°/125°	04216-01	1
4 Nexis Insertion Die 170°	04218-01	1

Extension Fence



Description	Item No.	PU
Extension fence 300mm to 1550mm	88612-01	1

PU - Packaging unit

Nexis Accessories

Shelf Supports



Description	Item No.	PU
Plastic, clear, with steel pin	499.582.50.0050	5000
Metal spoon, nickel plated	499.582.50.2050	2000
Shelf support 7006/9.5, nickel	F069073460 253	2500
H-802 plastic, square, clear	00036-43	500

Bumper Pads

Bumper Pads, Self-adhesive



Description	Height	Diameter	Item No.	PU
Bumper pad, clear	2.5mm	10mm	63407-99	288
Bumper pad, clear	2.5mm	10mm	63407-47	7200

AirSoft Bumper Pads, Self-adhesive



Description	Height	Diameter	Item No.	PU
AirSoft Bumper pad, clear	5mm	12.7mm	63481-43	500
AirSoft Bumper pad, clear	5mm	12.7mm	63483-30	5000

Bumper Pads, Self-adhesive



Description	Height	Diameter	Item No.	PU
Bumper pad, clear	1.5mm	7mm	630.000.03.0750	1088
Bumper pad, clear	4mm	12mm	630.000.02.1250	5000

Bumper Pads, Self-adhesive



Description	Height	Diameter	Item No.	PU
Bumper pad, clear	3mm	12.7mm	31002-43	500
Bumper pad, clear	1.5mm	12.7mm	31004-43	500

Door Stop



Description	Item No.	PU
H-950 door stop, clear	00068-43	500

PU - Packaging unit



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