

9

HÄFELE

HINGES AND STAYS





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Dimensional data not binding. Dimensions in mm, inches are approximate. We reserve the right to alter specifications without notice.



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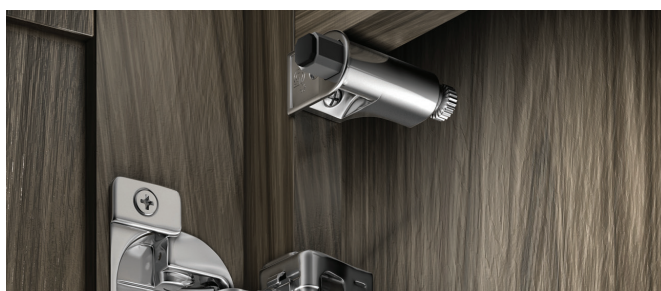
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Cabinet Metal Accents

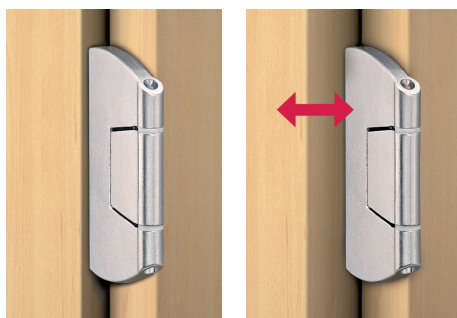
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Häfele Aximat® 300 Single Pivot Hinge Series



During overlay (side to side) adjustment, the knuckle moves with the door, so that there is no unsightly gap between the door's edge and knuckle.

To put this test into perspective:

A heavy door weighing 18 kg (40 lbs.) can be opened and closed 13 times per day, 365 days per year, withstand some occasional abuse and operate trouble-free for over 20 years.

Test results from an independent testing laboratory are available upon request.

Advantages

- > Hinges have integrated door catch, additional door catches are not required
- > Uses fewer screws than a more traditional 5-knuckle hinge
- > Easy 3D adjustability – no “brute force” bending (adjusting) required
- > Door width: max. 600 mm (23 5/8")

Applications

- > Schools, retail environments, healthcare & laboratory furniture, offices, lockers, garage storage cabinets, etc.

The Häfele Aximat® 300 is the only 3D Clip-On hinge which meets the highest requirements of the Woodworkers Institute and ANSI/BHMA Grade 1 Standards.

The following is a review of the test and the required test values:

Durability – Hinge Operating Life Test

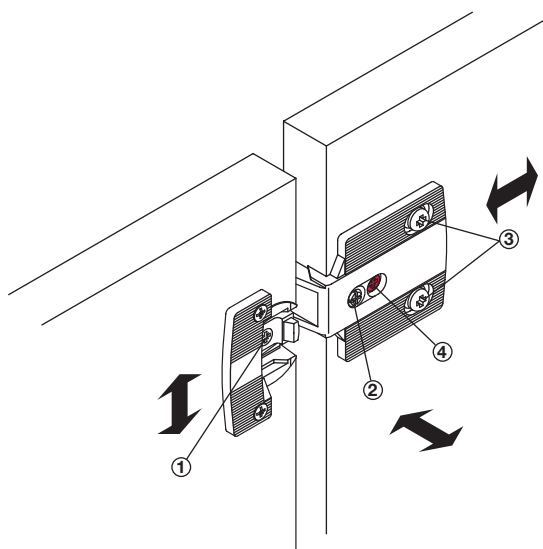
- > Test door weight: 18 kg (40 lbs.)
- > Cycle test; door is opened and closed 100,000 times
- > After cycle test is complete, vertical sag of door can not exceed .76 mm (1/32")

Security – Hinge Load Test

- > Using a new set of hinges, measure door position without weight applied
- > Add 72 kg (160 lbs.) to door and operate through one cycle (opening/closing)
- > Remove weight and measure any sag
- > Vertical and horizontal sag of door can not exceed .76 mm (1/32")

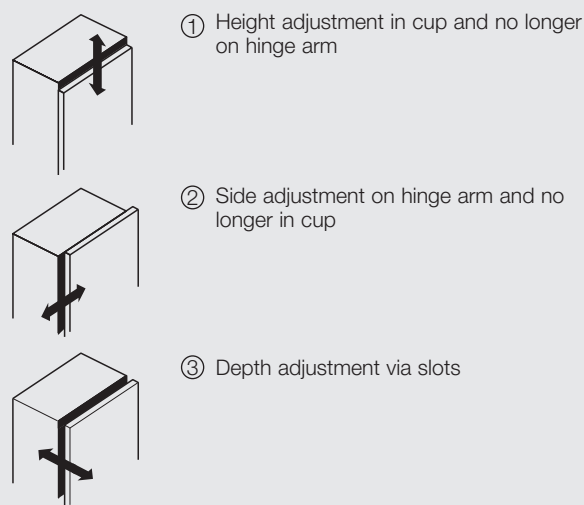
Adjustment

Processing and mounting deviations can be corrected with the 3-dimensional adjustment facility. Side, height and depth adjustments are factory set to zero position.



Häfele Aximat® 300

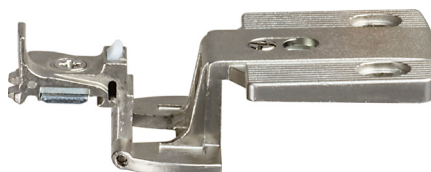
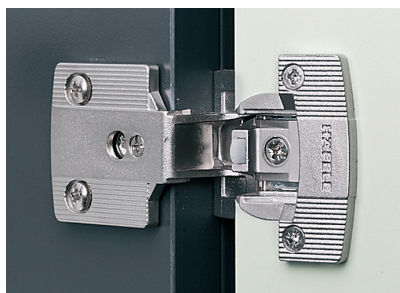
- ① ± 2 mm (3/32") via eccentric
- ② $-2/+1$ mm ($-3/32"/+1/32"$) side adjustment
- ③ ± 1 mm (1/32") via slots



④ Safety lock screw

A third screw must be used for securing the hinge arm. The screw must be fitted in the factory! The safety lock screw has to be loosened for depth adjustment and tightened again afterwards.

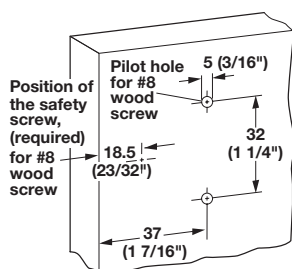
Häfele Aximat® 300 Single Pivot Hinges



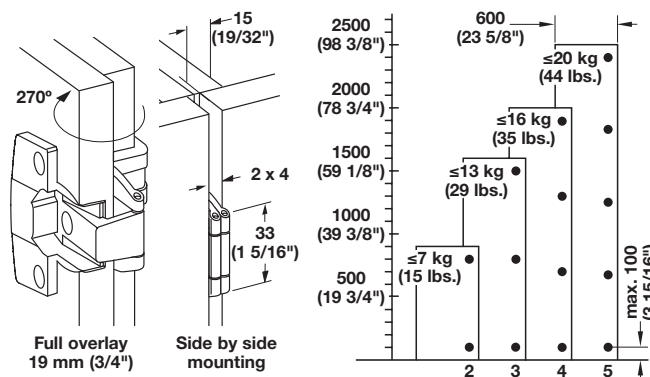
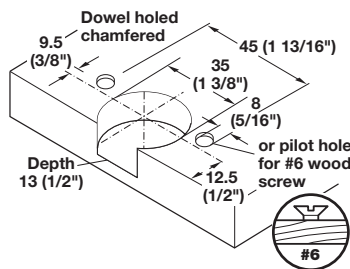
- > Sleek sophisticated design with only 5 mm (3/16") of visible knuckle
- > Hinge arm component available with pre-installed expanding dowels for hole Ø5 mm (3/16"), or for screw attachment
- > Hinge cup component available in screw or dowel mount
- > Arm and cup clip together, tools are not required
- > Side panel thickness: 19 mm (3/4")
- > Door thickness: max. 21 mm (13/16")
- > Integrated catch keeps doors closed, additional magnetic catches are not required
- > For single cabinets and storage walls
- > Available in twin mounted version, 2 doors can be mounted on a single hinge on a single side panel

Note #6 wood screws for hinge attachment are not included.

Drilling pattern for side panel



Drilling pattern for cup



Door overlay 15 mm + knuckle 4 mm = 19 mm (3/4")

→ Cups



- > Screw mounted
- > Material: Zinc

Finish	Item No.
matte nickel	344.06.800
black	344.06.850

→ Cups for 8 mm holes



- > Dowel mounted
- > Material: Zinc

Finish	Item No.
matte nickel	344.06.810
black	344.06.860

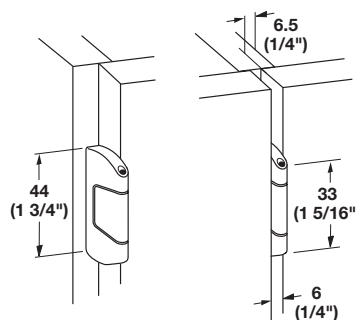
→ Arms



- > Full overlay
- > Without screws
- > Material: Zinc

Opening angle: **270°**

Finish	Item No.
matte nickel	344.06.930
black	344.06.980

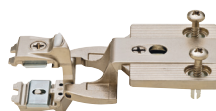


Half overlay 12.5 mm (1/2")

Half overlay & twin mounting

Door overlay 6.5 mm + knuckle 6 mm = 12.5 mm (1/2")

→ Arms



- > With pre-mounted expanding dowels for hole Ø: 5 mm (3/16")
- > Material: Zinc



Finish	Overlay	Opening angle	Item No.
matte nickel	full	270°	344.06.920
black	full	270°	344.06.320
matte nickel	half	240°	344.06.921
matte nickel	twin	180°	344.06.902
matte nickel	inset	180°	344.06.903

Note Twin mounted version requires 2 cups.

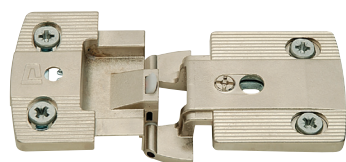
Häfele Aximat® 300 Thin Panel Hinges



- > Specifically designed for thin panels such as Phenolic material
- > Sleek sophisticated design with 5 mm (3/16") of visible knuckle
- > During overlay (side to side) adjustment, the knuckle moves with the door preventing a gap between the door's edge and knuckle
- > Door overlay (side to side) adjustment is on the arm component offering continuous adjustment of +1/-2 mm (+1/32"/-3/32") in both directions
- > Depth adjustment: ± 1 mm (1/32") with oblong holes
- > Height adjustment: ± 2 mm (3/32") on door component
- > "Safety Screw" can be pre-installed at any time
- > Integrated catch keeps doors closed
- > Tested in accordance with ANSI/BHMA Grade 1 standards
- > Screw mounted

Note

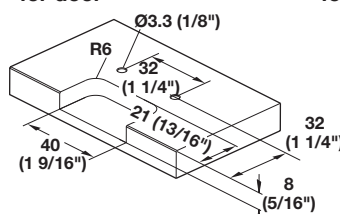
316 Stainless Steel hinge is ideal for MRI applications (calibration required).



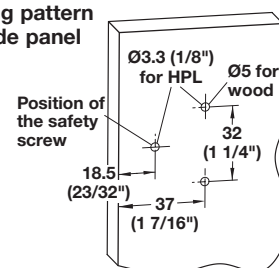
3D adjustment

Opening angle: **240°**

Drilling pattern for door



Drilling pattern for side panel



> Material: Zinc; Finish: matte nickel

Door overlay

- 3.5 (5/32") + knuckle 6 (1/4") = 9.5 (3/8")
- 7 (9/32") + knuckle 6 (1/4") = 13 (1/2")
- 13 (1/2") + knuckle 6 (1/4") = 19 (3/4")

Item No.

344.75.760
344.75.770
344.75.790

> Material: 316 Stainless Steel

Door overlay

- 7 (9/32") + knuckle 6 (1/4") = 13 (1/2")

Item No.

344.75.730

Supplied With Special non-corroding screws

Note Screw holes should be slightly tapered in Phenolic material to assure a tight fit.

Door Overlay Adjustment: Turn screw **A** to adjust the overlay in both directions. **Height Adjustment:** Loosen screws **B**. Activate the height adjustment by pushing with screwdriver into window **C** moving tab away, adjust ± 2 mm by turning screwdriver. Re-tighten screws.

Depth Adjustment: Loosen special screws **D** and **E**, adjust manually in the prolonged hole. Security screw **E** (required) can be installed at any time, 3D adjustment is still available.

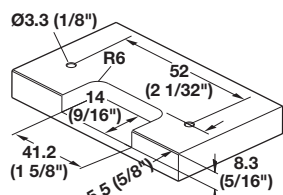
9

Hinges and Stays

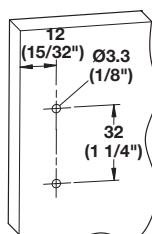
→ Thin Panel Hinge (HPL) 10–13 mm (13/32"–1/2")



Opening angle: **240°**



Drilling pattern for door



Drilling pattern for side panel

- > Meets 720 hour salt spray test
- > Door overlay (side to side) adjustment: -1 mm (1/32") with oblong holes
- > Height adjustment: ± 2 mm (3/32") with oblong holes
- > With catch



- > Screw mounted
- > Door overlay: 3.5 mm (9/32") + knuckle 6 mm (1/4") = 9.5 mm (3/8")
- > Material: 316 Stainless Steel

Item No.

344.75.051

Supplied With

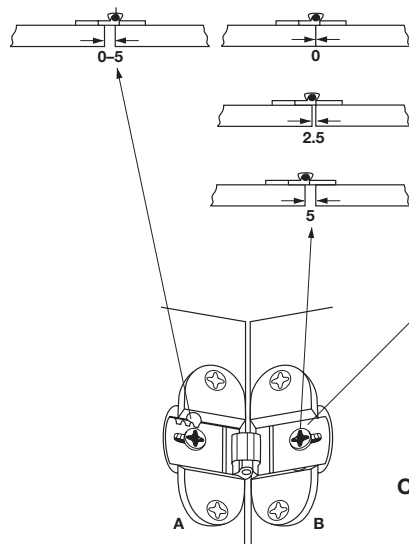
4 Stainless Steel mounting screws

Häfele Aximat® Folding Door Hinge

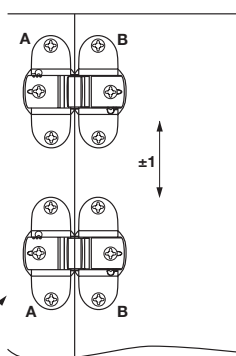


- > For free-swinging or guided folding doors
- > Door thickness: min. 13 mm (1/2")
- > Door width: max. 600 mm (23 5/8")
- > Same drilling pattern for both leaves
- > Gap range is adjustable: 0–10 mm (13/32")
- > Factory supplied with pre-set gap: 3 mm (1/8")
- > Adjustable pivot point
- > Constant spring tension is maintained during all adjustments
- > Material: Zinc

Symmetrical and/or asymmetrical adjustment of the door leaves



Height adjustment



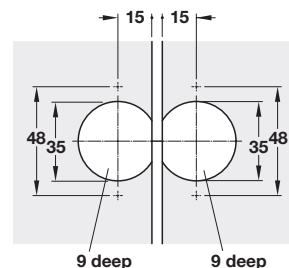
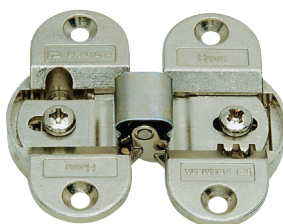
Opening angle: **180°**

Finish

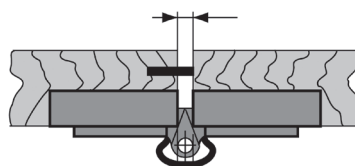
nickel

Item No.

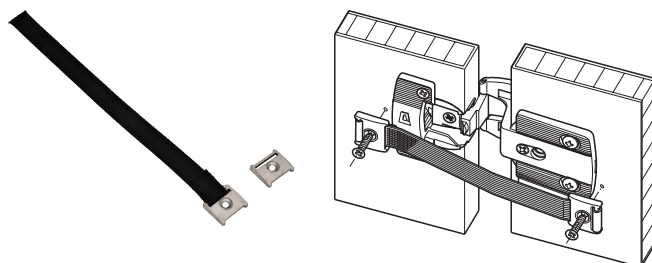
343.91.600



To hold the door leaves flat, install a support.



→ Opening Angle Restraint



- > Opening angle: max. 120°
- > For screw mounting, hinge type independent
- > Individual opening angle by shortening the strip
- > Material: Plastic Fabric/Zinc Alloy

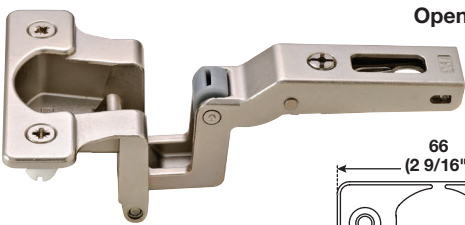
Finish

black/nickel-plated

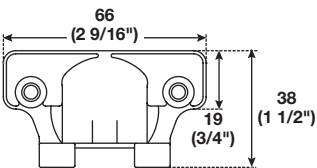
Item No.

344.00.991

Salice Single Pivot Hinge



Opening angle: **270°**



- > With height 2 mounting plate
- > Side adjustment: +3 mm (+1/8") with 2 mm (3/32") plate
- > Height adjustment: + 2 mm (3/32")
- > Depth adjustment: +2.8 mm (1/8") with 2 mm (3/32") mounting plate
- > Door thickness: max. 20 mm (25/32")
- > Hinges have built-in catch to stay closed
- > Magnetic catches are not required
- > Tested in accordance with ANSI/BHMA Grade 1 standards
- > Material: Steel; Finish: nickel-plated

Mounting	Model	Item No.
screw	CMP3A99	329.58.600
dowel	CMR3A99	329.58.610

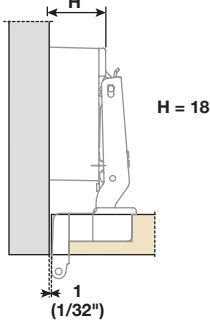
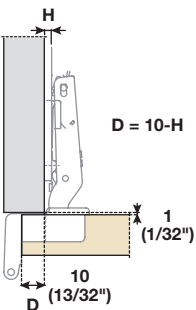
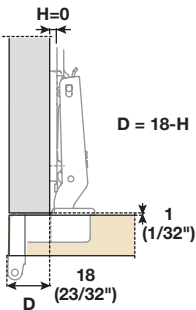
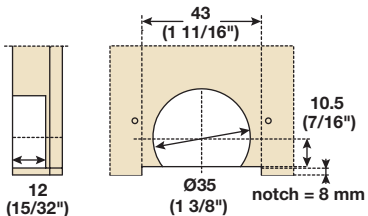
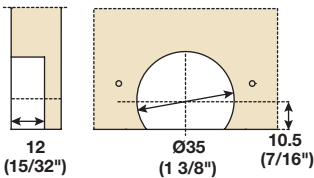
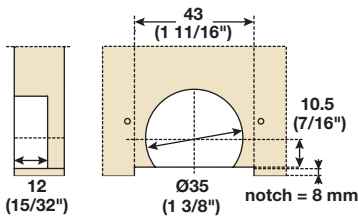
Full overlay
with recessed knuckle application



Partial overlay
with external knuckle application



Application
with inset door



Formula to determine baseplate:
D = overlay
H = baseplate

Sugatsune J95 Concealed Heavy Duty Hinges

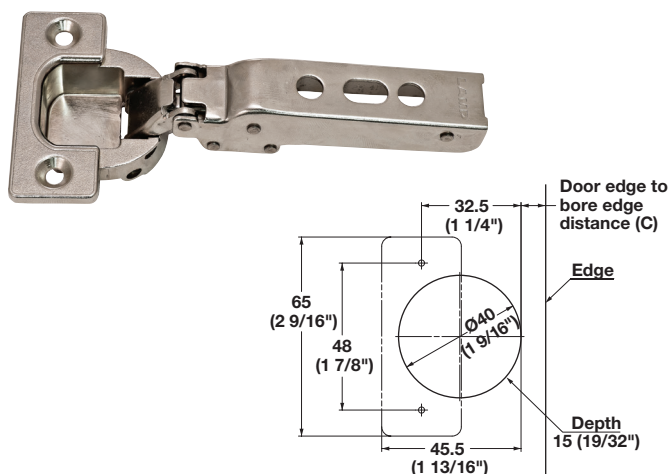
Opening angle: **95°**

- > For thick heavy doors
- > Clip-on for easy installation
- > Door thickness: 18–34 mm (23/32"–1 3/8")
- > Tab: 3–8 mm (1/8"–5/16")
- > Overlay: 19–25 mm (3/4"–31/32")
- > Door width: max. 800 mm (31 1/2") with 2 hinges
max. 900 mm (35 7/16") with 3 hinges
- > 3-way adjustment: Side: +0/-4 mm (3/32")
Depth: +1.5/-2.5 mm (+1/16"–3/32")
Vertical: +/-3 mm (1/8") (on plate)
- > Weight capacity: 25 kg (55 lb) with 2 hinges
40 kg (88 lb) with 3 hinges

Note

If door thickness is over 30 mm (1 3/16"), the door must be chamfered.
Requires 6 #10 screws per hinge and plate (015.80.154).

→ Full Overlay Hinge

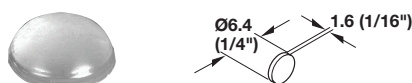


- > Material: Steel; Finish: nickel-plated

Overlay	Version	Model No.	Item No.
full	self-close	J95-C24/25T	327.21.500
half	self-close	J95-C24/16T	327.21.521
full	free-swing	J95-24/25T-NI	327.21.510

door to edge (C)	3	4	5	6	7	8
full overlay (E)	20	21	22	23	24	25
half Overlay	11	12	13	14	15	16

→ Door Bumper, optional

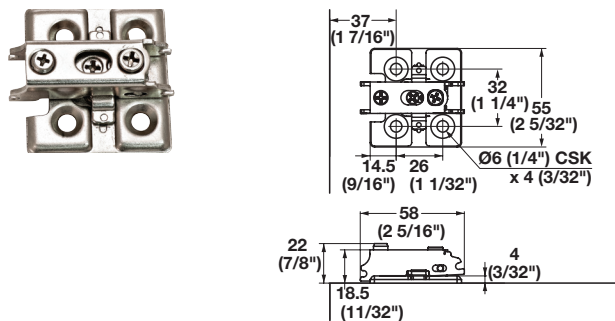


- > Material: 100% Polyurethane, transparent

Item No.
356.25.445

Supplied With
1,734 pcs.

→ Mounting Plate



- > Adjustment: +/-3 mm (1/8")
- > Clip-on
- > Material: Steel

Finish	Item No.
nickel-plated	327.32.500

→ Hinge Spacer, optional

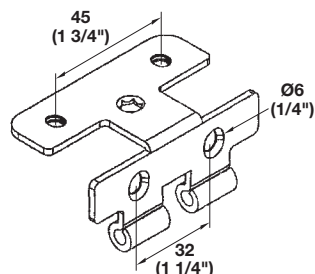


- > For J95 hinges
- > Decreases overlay of outset doors: 2 mm (3/32")
- > Increases clearance of inset doors: 2 mm (3/32")
- > Spacer can be doubled for thickness: 4 mm (5/32")
- > Material: Plastic

Color	Item No.
gray	327.21.530

Advantage 5K Hinges

Offset hole pattern allows
for larger mounting screws

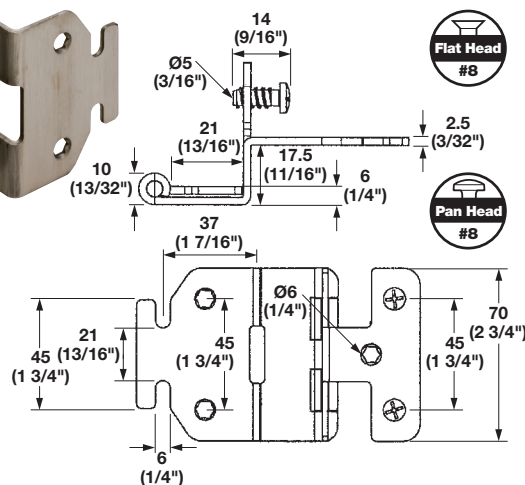
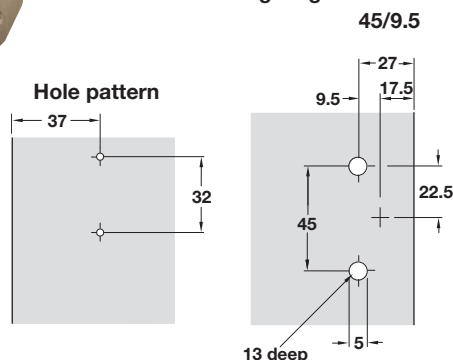


Opening angle: **270°**

- > ANSI/BHMA A-156.9-2001 Grade 1 approved
- > Universal usage for materials: 19 and 21 mm (3/4" and 13/16")
- > 14 gauge steel
- > Hinge knuckles broached for precision pin alignment and smooth operation
- > Hinge leaves punched after forming for precision alignment
- > "Easy Hang" feature: one person operation for large doors
- > Pre-mounted 5 mm (3/16") euro screws on door side
- > Universal drill pattern consistent with Aximat® and concealed hinges
- > Standard drilling equipment can be used
- > Standard 37 mm (1 1/2") set back and 32 mm (1 1/4") system drilling



Press-fit drilling diagram



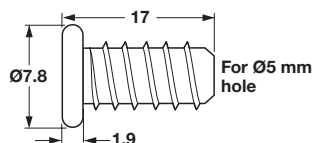
> Material: Steel, powder-coated

Finish	RAL	Item No.
matte black	9005	354.65.300
gray	7046	354.65.200
matte nickel	7030	354.65.400

> Material: 304 Stainless Steel

Item No.
354.65.000

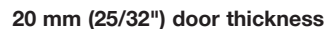
→ Special Varianta Screw



> Material: Steel

Finish	Item No.
nickel-plated	013.27.702
Supplied With 5,000 pcs.	

Opening angle: **270°**



- | Finish | Import | Domestic |
|------------------------|------------|------------|
| chrome powder-coated | 354.65.221 | - |
| black powder-coated | 354.65.321 | - |
| chrome-plated dull 26D | 354.65.421 | 354.65.440 |
| stainless steel | 354.65.021 | 354.66.000 |

FC 9.11

Salice Guide

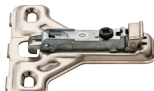
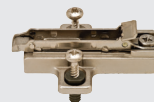
> Use with any Salice mounting plate

	Opening angle	Door thickness	Tab	Page
Concealed (35 mm cup) 	105° 	15–20 mm (19/32"–25/32")	3–6 mm (1/8"–1/4")	9.17
	105° 	10–20 mm (13/32"–25/32")	3–6 mm (1/8"–1/4")	9.18
	94° 	16–35 mm (5/8"–1 3/8")	3–9 mm (1/8"–11/32")	9.19
	110° 	16–26 mm (5/8"–1 1/32")	3–6 mm (1/8"–1/4")	9.20–9.21
	120° 	16–26 mm (5/8"–1 1/32")	3–6 mm (1/8"–1/4")	9.22
	110° 	16–26 mm (5/8"–1 1/32")	3–9 mm (1/8"–11/32")	9.24
Wide angle 	155° 165° 	28 mm (1 1/8") Silentia+ 32 mm (1 1/4") self-close	3–8 mm (1/8"–5/16")	9.23
Special application     	110° 	varies	3–18 mm (1/8"–23/32")	9.25
	65° 	16–25 mm (5/8"–31/32")	3–5 mm (1/8"–3/16")	9.27
	94° 110°  105° 	16–26 mm (5/8"–1 1/32")	3–9 mm (1/8"–11/32") 3–6 mm (1/8"–1/4") Silentia+	9.28
	94° 110° 	16–35 mm (5/8"–1 3/8")	3–8 mm (1/8"–5/16") 3–6 mm (1/8"–1/4") Silentia+	9.29
	110° 	16–26 mm (5/8"–1 1/32")	3–6 mm (1/8"–1/4")	9.30
	110° 	16–26 mm (5/8"–1 1/32")	3–6 mm (1/8"–1/4")	9.32
Push  	155° 165° 	16–28 mm (5/8"–1 1/8")	3–9 mm (1/8"–11/32")	9.32
	94° 	19–38 mm (3/4"–1 1/2")	3–14 mm (1/8"–9/16")	9.35
Thick door (40 mm cup) 				
Air  	105° 	Min. 18 mm (23/32")	-	9.37
	94° 	-	-	9.38
Conecta 				

Dimensional data not binding. Dimensions in mm, inches are approximate. We reserve the right to alter specifications without notice.

Salice Guide

> Use with any Salice hinge

	Mounting method	Height															Page
		0	1	2	3	4	6	9	11	12	13.5	18	21	24	27	30	
Clip 	wood screw		●			●	●		●	●	●						9.39
	wood screw	●		●	●		●	●		●		●	●	●	●	●	9.40
	pre-mounted euro screw or expandable dowel	●		●	●		●	●		●		●	●		●	●	9.40
	wood screw pre-mounted euro screw	●			●		●										9.41 –9.42
In Line 	wood screw	●		●	●		●	●									9.43
	euro screws	●		●	●		●										9.43

	Mounting method																Page
		0	1	2	3	4	6	9	11	12	13.5	18	21	24	27	30	
Special Application 	wood screw pre-installed euro screw	●			●			●									9.44
	wood screw																9.44
	wood screw																9.44
Shock absorbers 																	9.45 –9.46
Accessories 																	9.46

Dimensional data not binding. Dimensions in mm, inches are approximate. We reserve the right to alter specifications without notice.

Salice

→ Opening Angle – What are your options?

94°

- > Often used on an end panel against a wall or another cabinet to restrict the opening
- > For increased reduction of opening angle
- > Many pocket door systems use this hinge
- > Commonly used for thick door applications with narrow stiles
- > Use where appliances or cabinet depths limit opening angle
- > Angle reduction clips reduce angle further to 86°

94° Thick Door

- > For thick doors with narrow stiles
- > Less concern of drilling through coping detail
- > Possible tab distance 3–9 mm (1/4"–11/32") on square edged door; larger tabs on door with front edge detail
- > Doors thickness: max. 35 mm (1 1/4")
- > Overlays: max. 24 mm (15/16")

105°

- > Shallow depth cup: 8 mm (5/16")
- > Used for unusually thin door applications: 10 mm (13/32")
- > Non-dowelled
- > Gap between door: .2 mm on a 10 mm (13/32") door
2.3 mm on a 19 mm (3/4") door

110°

- > Standard concealed hinge opening angle and most commonly used

120°

- > Often used in kitchen applications, allowing for greater access into the cabinet
- > Commercial specs

155°

- > Zero protrusion on full overlay (0, 2 mm mounting plates)
- > Commonly used with pull-out/roll-out shelves
- > Available in thin and thick door applications
- > Available in Silentia+

165°

- > Allows for the most access into the cabinet
- > These are also referred to as Wide Angle Hinges
- > Zero protrusion on full overlay with max. 2 mm mounting plates

→ Closing Method – What are your options?

Self-Closing

- > The standard hinge for the industry, the spring in the hinge arm holds the door shut

Free-Swinging

- > Does not have an internal spring
- > Typically used with touch latches – partial opening

Silentia+

- > This type of hinge will keep the door from slamming and provide a nice soft closing action
- > It is important to note that this type of hinge requires a deeper than normal hole in the door and precise drilling depth for optimal performance

PUSH

- > This type of hinge combined with the proper latch allows the door to open automatically when it is pressed
- > The spring is reversed to push the door completely open, rather than hold it shut
- > It must always be used in combination with a PUSH latch
- > Touch latch

→ Mounting Method - What are your options?

Screw

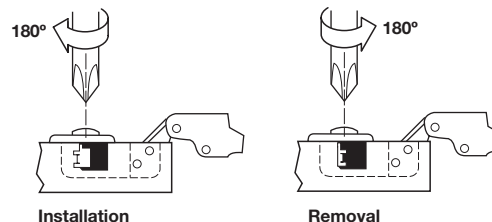
- > Drill (1) 35 mm (1 3/8") hole in the door and attach hinge with (2) #6 wood screws

Dowel

- > Drill (1) 35 mm (1 3/8") hole and (2) 8 mm (5/16") holes, this is the most common application in the industry
- > The hinge is pressed into the door using a hinge machine or rubber mallet
- > The dowels are not removable once they are inserted
- > The hinge can only be removed by backing the screws out of the dowels

Rapido

- > Drill (1) 35 mm (1 3/8") hole and (2) 8 mm (5/16") holes
- > The hinge is attached by turning (2) locking dowels 1/2 turn (180°) with hand screwdriver
- > Requires a Pozi Drive #2 screwdriver



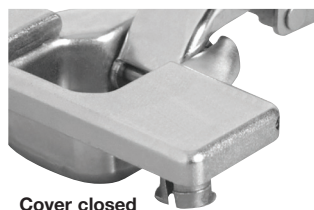
Logica

- > This is a completely tool-free method of attachment
- > Drill (1) standard 35 mm (1 3/8") hole and (2) 8 mm (5/16") holes
- > The hinge is attached by special expansion dowels in the 8 mm (5/16") holes that spread apart when the cover cap is snapped down
- > Thinnest lid profile in the market



Cover open

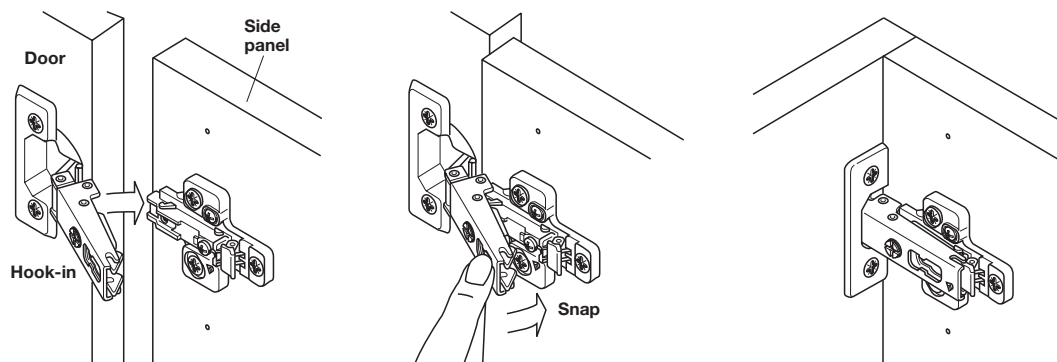
Place the hinge in the pre-bored holes.



Cover closed

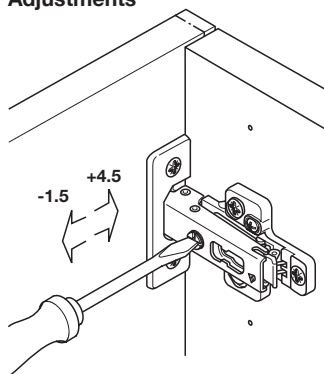
Close the cover with finger pressure until it snaps locking it closed.

Salice

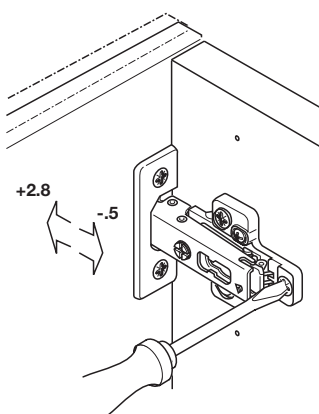


Unique compensating side adjustment. No gap change between door and panel. Remains at 1.5 mm (1/16").

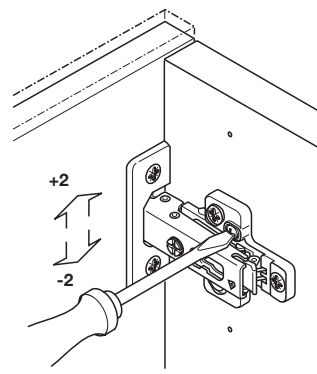
Adjustments



Parallel Side Adjustment
with screw
Adjustment: 6 mm (1/4")

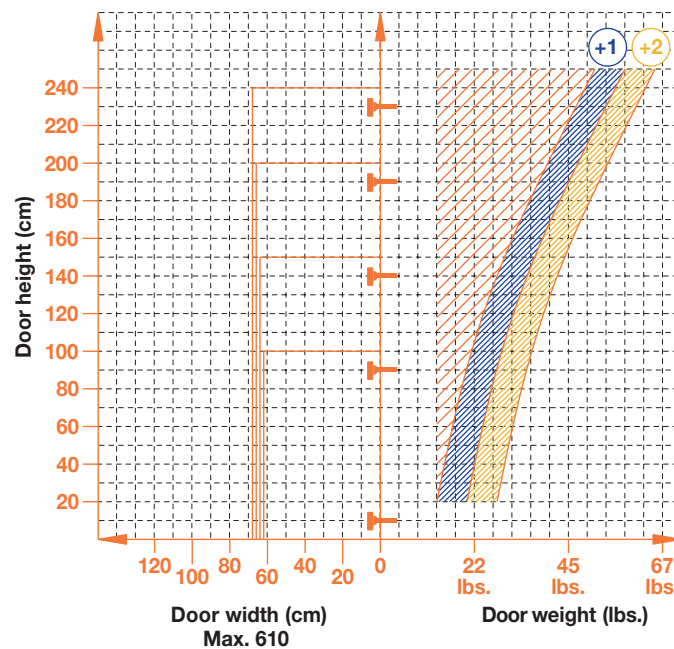
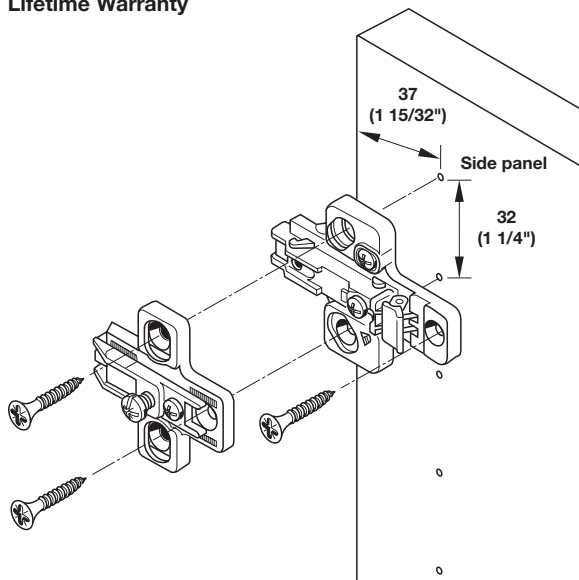


In-and-Out/Depth
by loosening the hinge arm
mounting screw or via cam
Adjustment: 3.3 mm (1/8")



Vertical
via slots in the mounting
plate or cam adjustment
Adjustment: 4 mm (5/32")

Lifetime Warranty



Salice

→ Determine and calculate overlay

The overlay is the correlation of a cabinet door to the cabinet side panel or the face frame. The amount of overlay determines the type of hinge that should be used. Different suppliers can use the same formula, however be cautious, as the constants might be different.

There are 3 factors that are used to calculate the overlay:

- The cup drilling distance or tab. (K)
- The height or the mounting plate. (H)
- The hinge constant, which is a value set by the supplier.

Overlay = (constant + tab) – mounting plate height

Full Overlay

This means that the door significantly overlaps the cabinet opening on all four sides. A full overlay on a frameless cabinet typically ranges from 16–19 mm (5/8"–3/4"). A full overlay hinge is used along with a 0, 2, or 3 mm mounting plate.

Partial, Half, and 1/2" Overlay

Any of these partial overlays means that the door overlaps the cabinet less than the full overlay. Partial on a frameless cabinet would be between 6–16 mm (1/4"–5/8").

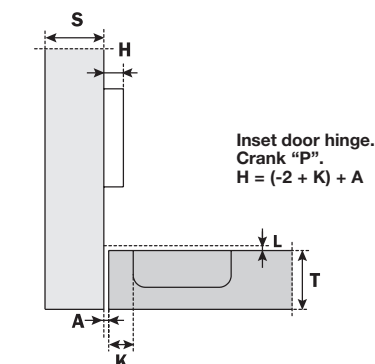
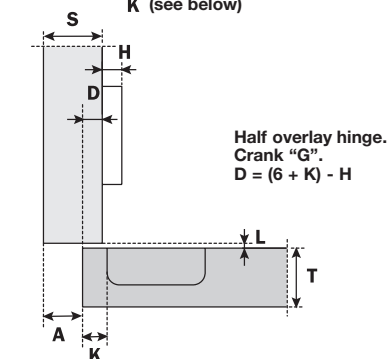
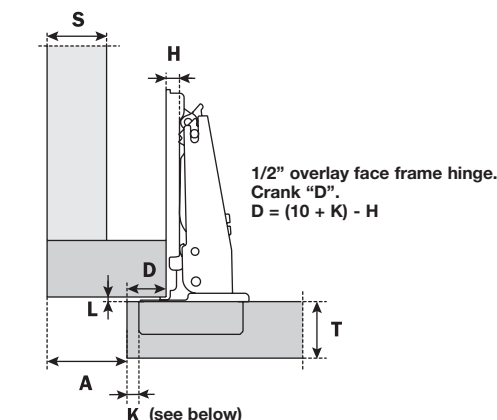
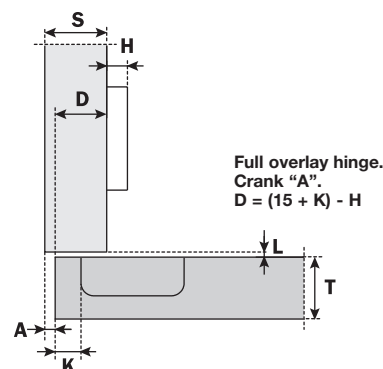
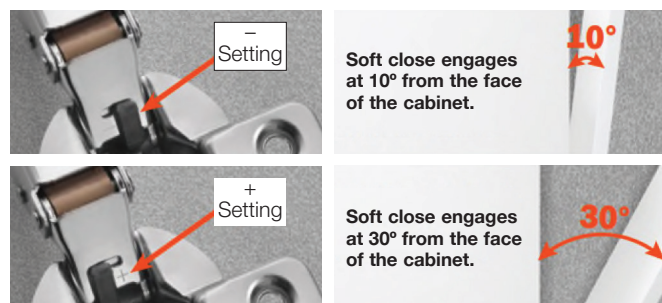
Inset

Inset doors fit completely into the face frame. They use a special hinge known as an inset hinge, or an overlay hinge can be used with a high mounting plate.

- > Determine cabinet type:
 - Frameless or Face Frame
- > Select the overlay type:
 - Full, partial, inset
- > Select the opening angle or specialized style of the hinge
 - 95, 105, 110, 120, 165, blind corner, angled
- > Select the type of insertion into the door for the hinge cup and the type of fixing of the mounting plate to the inside wall or face frame of the cabinet
 - Screw mount, press fit/with dowels, Rapido (turned dowel), Logica (press fit with locking clip)
- > Determine the quantity of hinges required for the door size and weight

Overlay = (constant + tab) - bp height

Overlay = D	constant +	tab - K	bp height H
17.5	15	5.5	3
12.5	10	5.5	3
10	6	5	1
-2.5	-2	5.5	6
Alternate inset w/half hinge			
-1.5	6	4.5	12



Overlay = (constant + drilling distance) - plate height.
For special applications, do not hesitate to contact our customer service department.

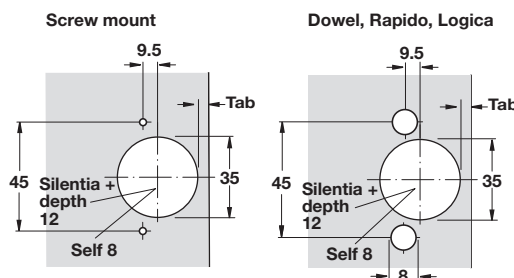
Salice 100 Series Silentia+



soft&silent)))

Opening angle: **105°**

- > Best choice for small/light doors or heavy profiles
- > Impervious to temperature extremes
- > Door thickness: 15–20 mm (19/32"–25/32")
- > Tab: 3–6 mm (1/8"–1/4")
- > Exceeds ANSI/BHMA standards. A156.9 2010
- > Material: Steel



Finish	Mounting	Overlay	Hinge	Model	Item No.
nickel-plated	screw	full		C1P6AE9	329.28.440
nickel-plated	screw	1/2"		C1P6DE9	329.28.441
nickel-plated	screw	half		C1P6GE9	329.28.442
nickel-plated	screw	inset		C1P6PE9	329.28.443
nickel-plated	dowel	full		C1R6AE9	329.28.470
nickel-plated	dowel	1/2"		C1R6DE9	329.28.471
nickel-plated	dowel	half		C1R6GE9	329.28.472
nickel-plated	dowel	inset		C1R6PE9	329.28.473
nickel-plated	rapido	full		C176AE9	329.28.380
nickel-plated	rapido	1/2"		C176DE9	329.28.351
nickel-plated	rapido	half		C176GE9	329.28.383
nickel-plated	rapido	inset		C176PE9	329.28.384
nickel-plated	logica	full		C1J6AE9	329.28.490
nickel-plated	logica	1/2"		C1J6DE9	329.28.491
nickel-plated	logica	half		C1J6GE9	329.28.492
nickel-plated	logica	inset		C1J6PE9	329.28.493
titanium	dowel	full		C1R6AE6	329.50.414
titanium	dowel	1/2"		C1R6DE6	329.50.451
titanium	dowel	half		C1R6GE6	329.50.416
titanium	dowel	inset		C1R6PE6	329.50.417

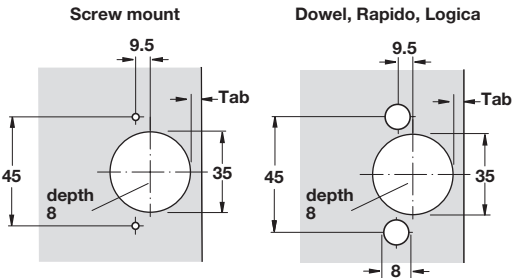
Mounting plates	pages 9.39-9.44
Flat head screws	pages 13.7-13.8, 13.10, 13.13

Salice Thin Door Hinges



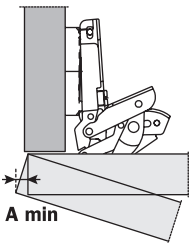
Opening angle: **105°**

- > Self-close
- > For doors with deep profiles
- > Shallow cup depth: 8 mm (5/16")
- > Door thickness: 10–20 mm (13/32"–25/32")
- > Tab: 3–6 mm (1/8"–1/4")
- > Material: Steel; Finish: nickel-plated



Mounting	Overlay	Hinge	Model	Item No.
screw	full		C1P6A99	329.28.500
screw	half		C1P6G99	329.28.502
dowel	full		C1R6A99	329.28.510

Space needed to open the door:



	T=	15	16	17	18	19	20
K=3	A=	1.0	1.0	1.2	1.4	1.6	1.9
K=4	A=	0.9	1.0	1.2	1.3	1.5	1.8
K=5	A=	0.9	1.0	1.1	1.2	1.5	1.8
K=6	A=	0.9	1.0	1.1	1.2	1.4	1.8

Salice 200 Series

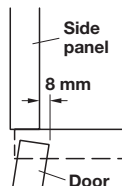


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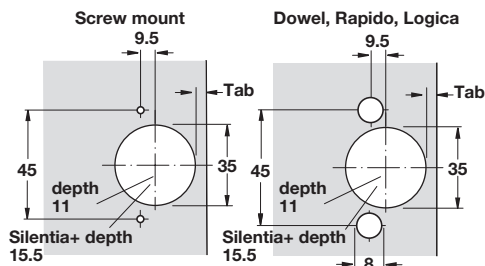
- > Door thickness: 18–32 mm (23/32"–1 1/4");
Silentia+: 18–35 mm (23/32"–1 3/8")
- > Tab: 3–9 mm (1/8"–11/32")
- > Material: Steel; Finish: nickel-plated

Half overlay self-close shown

Max. door
offset at
95°



Opening angle: **94°**



Closing method	Mounting	Overlay	Hinge arm	Model	Item No.
self-close	screw	full		C2PBA99	329.31.500
self-close	screw	half		C2PBG99	329.31.502
self-close	screw	inset		C2PBP99	329.31.503
self-close	dowel	full		C2RBA99	329.31.510
self-close	dowel	half		C2RBG99	329.31.512
self-close	dowel	inset		C2RBP99	329.31.513
free-swinging	screw	full		C2PAA99	329.31.000
free-swinging	screw	half		C2PAG99	329.31.002
free-swinging	screw	inset		C2PAP99	329.31.003
free-swinging	dowel	full		C2RAA99	329.31.010
free-swinging	dowel	half		C2RAG99	329.31.012
free-swinging	dowel	inset		C2RAP99	329.31.013
self-close	rapido	full		C27BA99	329.31.520
self-close	rapido	inset		C27BP99	329.31.523
self-close	logica	full		C2JBA99	329.31.530
self-close	logica	half		C2JBG99	329.31.532
self-close	logica	inset		C2JBP99	329.31.533
Silentia+	dowel	full		C2RBAE9	329.31.260
Silentia+	dowel	half		C2RBGE9	329.31.262
Silentia+	dowel	inset		C2RBPE9	329.31.263
Silentia+	logica	full		C2JBAE9	329.31.280
Silentia+	logica	half		C2JBGE9	329.31.282
Silentia+	logica	inset		C2JBPE9	329.31.283

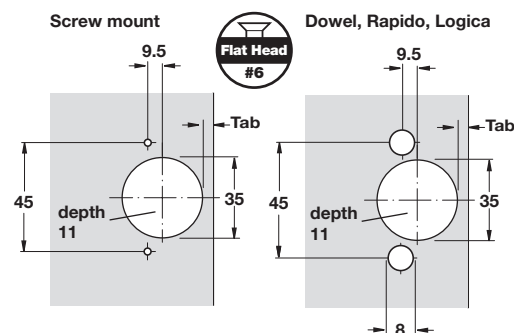
Mounting plates	pages 9.39-9.44
Flat head screws	pages 13.7-13.8, 13.10, 13.13

Salice 200 Series



Opening angle: **110°**

- > Door thickness: 16–26 mm (5/8"–1 1/32")
- > Tab: 3–6 mm (1/8"–1/4")
- > Material: Steel



> Finish: nickel-plated

Closing method	Mounting	Overlay	Hinge arm	Model	Item No.
self-close	screw	full		C2P6A99	329.17.507
self-close	screw	1/2"		C2P6D99	329.17.510
self-close	screw	half		C2P6G99	329.17.516
self-close	screw	inset		C2P6P99	329.17.520
self-close	dowel	full		C2R6A99	329.17.552
self-close	dowel	1/2"		C2R6D99	329.17.562
self-close	dowel	half		C2R6G99	329.17.561
self-close	dowel	inset		C2R6P99	329.17.570
free-swinging	screw	full		C2P4A99	329.16.500
free-swinging	screw	half		C2P4G99	329.16.519
free-swinging	screw	inset		C2P4P99	329.16.520
free-swinging	dowel	full		C2R4A99	329.16.555
free-swinging	dowel	half		C2R4G99	329.16.564
free-swinging	dowel	inset		C2R4P99	329.16.570

> Finish: titanium

Closing method	Mounting	Overlay	Hinge arm	Model	Item No.
self-close	dowel	full		C2R6A66	329.17.559
self-close	dowel	inset		C2R6P66	329.17.579
self-close	screw	full		C2P6A66	329.17.508
self-close	screw	half		C2P6G66	329.17.517
self-close	screw	inset		C2P6P66	329.17.521

Mounting plates	pages 9.39-9.44
Flat head screws	pages 13.7-13.8, 13.10, 13.13

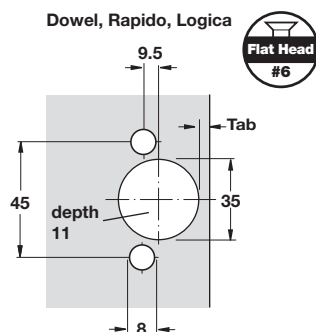
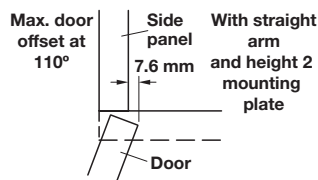
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Salice 200 Series



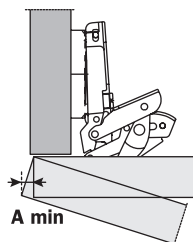
Opening angle: **110°**

- > Door thickness: 16–26 mm (5/8"–1 1/32")
- > Tab: 3–6 mm (1/8"–1/4")
- > Material: Steel; Finish: nickel-plated



Closing method	Mounting	Overlay	Hinge arm	Model	Item No.
self-close	rapido	full		C276A99	329.17.580
self-close	rapido	1/2"		C276D99	329.17.583
self-close	rapido	half		C276G99	329.17.581
self-close	rapido	inset		C276P99	329.17.582
free-swinging	rapido	full		C274A99	329.16.580
free-swinging	rapido	half		C274G99	329.16.581
free-swinging	rapido	inset		C274P99	329.16.582
self-close	logica	full		C2J6A99	329.17.350
self-close	logica	1/2"		C2J6D99	329.17.351
self-close	logica	half		C2J6G99	329.17.352
self-close	logica	inset		C2J6P99	329.17.353

Space needed to open the door:



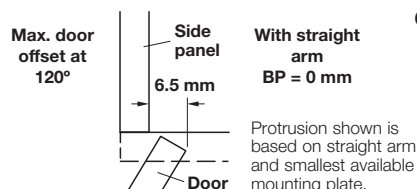
	T=	16	17	18	19	20	21	22	23	24	25	26
K=3	A=	0.5	0.7	0.91	1.2	1.51	1.8	2.43	3.7	5.16	6.5	7.8
K=4	A=	0.5	0.7	0.91	1.2	1.51	1.8	2.12	2.7	4.15	5.5	6.8
K=5	A=	0.5	0.7	0.91	1.2	1.51	1.8	2.12	2.6	3.14	4.1	5.4
K=6	A=	0.5	0.7	0.91	1.2	1.51	1.8	2.12	2.5	3.03	3.5	4.4

Mounting plates	pages 9.39-9.44
Flat head screws	pages 13.7-13.8, 13.12

Salice 200 Series

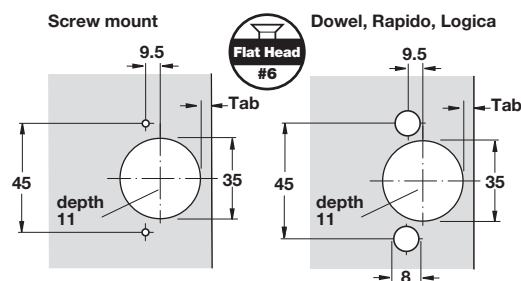


Half overlay self-close shown



Opening angle: **120°**

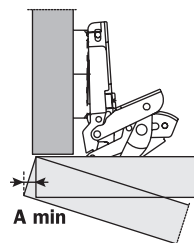
- > Door thickness: 16–26 mm (5/8"–1 1/32")
- > Tab: 3–6 mm (1/8"–1/4")
- > Material: Steel; Finish: nickel-plated



Closing method	Mounting	Overlay	Hinge arm	Model	Item No.
self-close	screw	full		C2P9A99	329.03.503
self-close	screw	half		C2P9G99	329.03.512
self-close	dowel	full		C2R9A99	329.03.558
self-close	dowel	1/2"		C2R9D99	329.03.568
self-close	dowel	half		C2R9G99	329.03.567
self-close	rapido	full		C279A99	329.03.580
self-close	rapido	1/2"		C279D99	329.03.581
self-close	rapido	half		C279G99	329.03.582
free-swinging	rapido	full		C278A99	329.02.580
self-close	logica	full		C2J9A99	329.03.590
self-close	logica	1/2"		C2J9D99	329.03.591
self-close	logica	half		C2J9G99	329.03.592

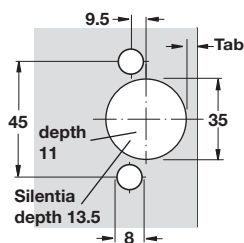
9

Space needed to open the door:



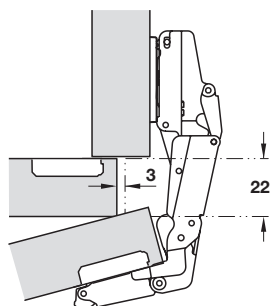
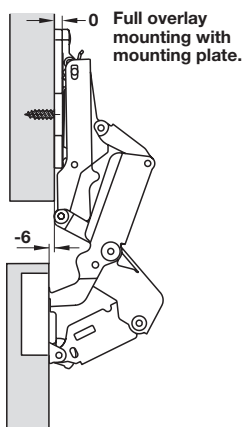
	T=	16	17	18	19	20	21	22	23	24	25	26
K=3	A=	1.01	1.3	1.61	1.9	2.23	3.5	5.06	6.5	8.19	9.6	11.2
K=4	A=	1.01	1.3	1.51	1.9	2.22	2.5	4.05	5.5	7.18	8.6	10.2
K=5	A=	1.01	1.2	1.51	1.8	2.12	2.5	3.04	4.5	6.17	7.6	9.2
K=6	A=	1.01	1.2	1.51	1.8	2.12	2.4	2.83	3.5	5.16	6.6	8.1

Salice Wide Angle



- > Door thickness:
Silentia+: max. 28 mm (1 1/8"); self-close: max. 32 mm (1 1/4")
- > Tab: 3–8 mm (1/8"–5/16")
- > Zero protrusion on 155° full overlay, 2 mm (3/32") plate with 4.5 mm (3/16") tab
- > For 9 mm (11/32") lip door application use inset 165° with 3 mm (1/8") plate
- > Material: Cup: Zinc die-cast; 165° Cup: Steel/Stainless Steel

Zero Protrusion



At opening angle of 90° and mounting plate height = 0 mm, the door swings out laterally 2 mm (3/32") when opened.

> Finish: nickel-plated

Opening angle	Closing method	Mounting	Overlay	Hinge arm	Model	Item No.
155°	Silentia+	screw	full		C2PKAE9	329.61.107
155°	Silentia+	screw	half		C2PKGE9	329.61.108
155°	Silentia+	dowel	full		C2RKAE9	329.61.117
155°	Silentia+	dowel	half		C2RKGE9	329.46.218
155°	Silentia+	dowel	inset		C2RKPE9	329.46.228
155°	self-close	screw	full		C2PKA99	329.60.500
155°	self-close	screw	half		C2PKG99	329.60.502
155°	self-close	dowel	full		C2RKA99	329.60.510
155°	self-close	dowel	half		C2RKG99	329.60.512
155°	Silentia+	logica	full		C2JKAE9	329.29.117
155°	Silentia+	logica	half		C2JKGE9	329.29.118
155°	Silentia+	logica	inset		C2JKPE9	329.29.119
165°	self-close	screw	full		C2PFA99	329.07.609
165°	self-close	screw	half		C2PFG99	329.07.618
165°	self-close	screw	inset		C2PFP99	329.07.620
165°	self-close	dowel	full		C2RFA99	329.07.654
165°	self-close	dowel	1/2"		C2RFD99	329.07.662
165°	self-close	dowel	half		C2RFG99	329.07.663
165°	self-close	dowel	inset		C2RFP99	329.07.670
165°	self-close	rapido	full		C27FA99	329.07.680
165°	self-close	rapido	half		C27FG99	329.07.681
165°	self-close	rapido	inset		C27FP99	329.07.682
165°	self-close	logica	full		C2JFA99	329.07.690
165°	self-close	logica	half		C2JFG99	329.07.692
165°	self-close	logica	inset		C2JFP99	329.07.693

> Finish: titanium

Opening angle	Closing method	Mounting	Overlay	Hinge arm	Model	Item No.
155°	Silentia+	logica	full		C2JKAE6	329.29.214
155°	Silentia+	logica	half		C2JKGE6	329.29.215
155°	Silentia+	logica	inset		C2JKPE6	329.29.216

Mounting plates pages 9.39-9.44

Flat head screws pages 13.7-13.8, 13.10, 13.13

Salice 700 Series Silentia+



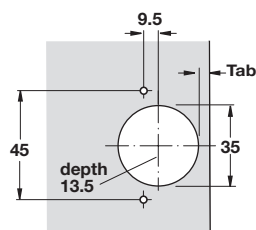
Opening angle: **110°**

soft&silent)))

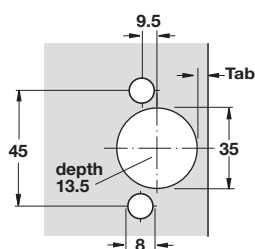
- > Impervious to temperature extremes
- > Door thickness: 16–26 mm (5/8"–1 1/32")
- > Tab: 3–6 mm (1/8"–1/4")
- > Exceeds ANSI/BHMA standards. A156.9 2010
- > Material: Steel

> Finish: nickel-plated

Screw mount



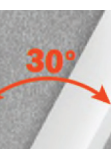
Dowel, Rapido, Logica



Soft close engages at 10° from the face of the cabinet.



Soft close engages at 30° from the face of the cabinet.



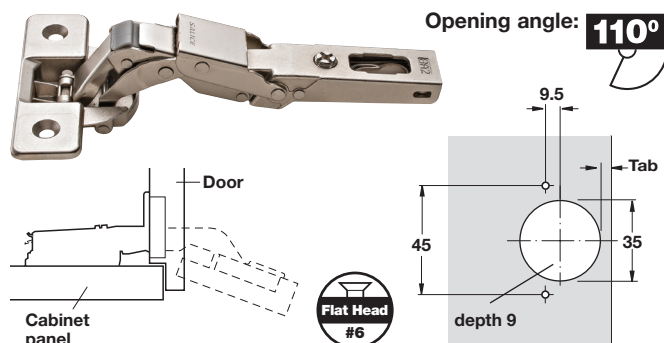
Mounting	Overlay	Hinge	Model	Item No.
screw	full		C7P6AE9	329.15.400
screw	1/2"		C7P6DE9	329.17.106
screw	half		C7P6GE9	329.15.402
screw	inset		C7P6PE9	329.15.404
dowel	full		C7R6AE9	329.17.117
dowel	1/2"		C7R6DE9	329.17.116
dowel	half		C7R6GE9	329.17.118
dowel	inset		C7R6PE9	329.17.119
rapido	full		C776AE9	329.17.127
rapido	1/2"		C776DE9	329.17.126
rapido	half		C776GE9	329.17.128
rapido	inset		C776PE9	329.17.129
logica	full		C7J6AE9	329.15.430
logica	1/2"		C7J6DE9	329.17.136
logica	half		C7J6GE9	329.15.432
logica	inset		C7J6PE9	329.15.434

> Finish: titanium

Mounting	Overlay	Hinge	Model	Item No.
logica	full		C7J6AE6	329.17.217
logica	half		C7J6GE6	329.17.218
logica	inset		C7J6PE6	329.17.219
dowel	inset		C7R6PE6	329.17.464

Mounting plates	pages 9.39-9.44
Flat head screws	pages 13.7-13.8, 13.10, 13.13

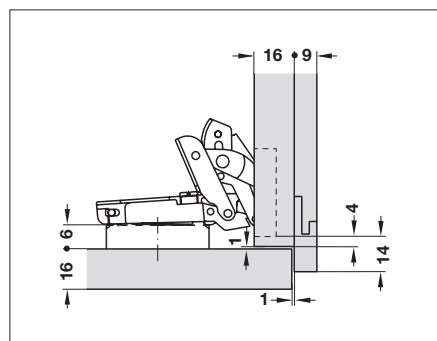
Salice Universal Folding Hinge



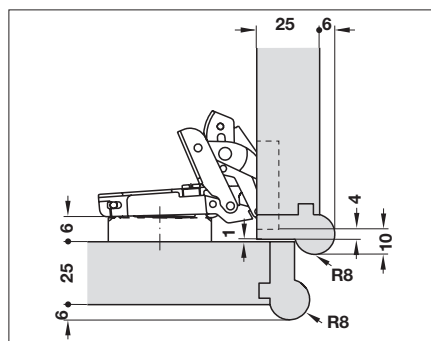
- > Designed especially for lipped doors
- > Cup depth: 9 mm (11/32")
- > Tab: 3–18 mm (1/8"–23/32")
- > Can be used for miter doors
- > For thick doors or doors with mouldings or with large radius edges, see page 9.35
- > Material: Steel; Finish: nickel-plated

Closing method	Mounting	Overlay	Hinge arm	Model	Item No.
self-close	screw	full		CBP2AC9	329.26.624
Silentia+	screw	full		CBP2AE9	329.26.626

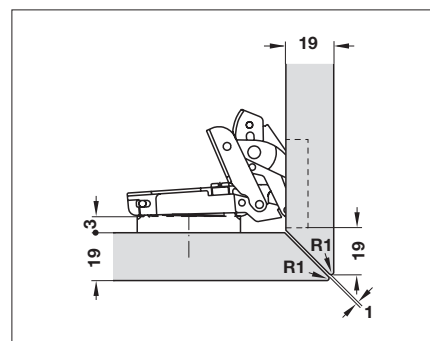
> Special application examples with rounded, rebated and profiled doors



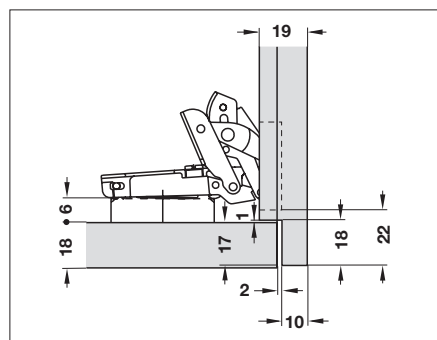
Mounting plate 329.71.506 / page 9.40



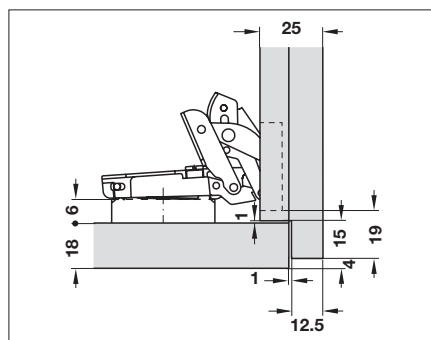
Mounting plate 329.71.506 / page 9.40



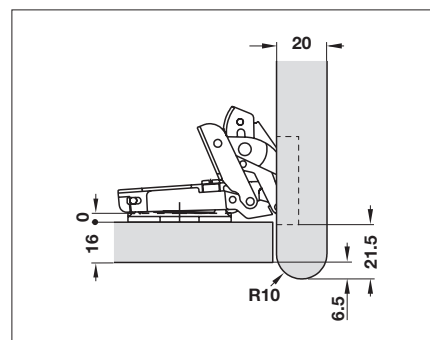
Mounting plate 329.71.503 / page 9.40



Mounting plate 329.71.506 / page 9.40



Mounting plate 329.71.506 / page 9.40

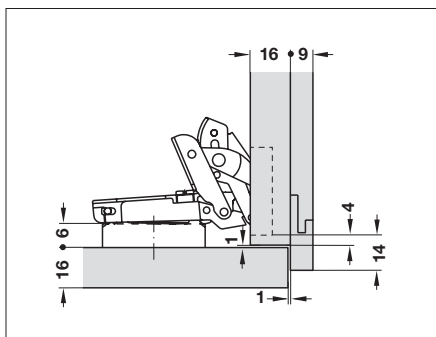


Mounting plate 329.71.500 / page 9.40

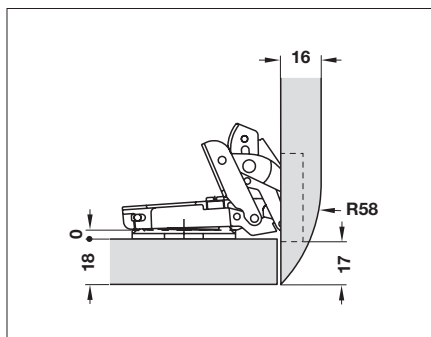
Mounting plates	pages 9.39-9.44
Flat head screws	pages 13.7-13.8, 13.10, 13.13
Trim caps	page 9.47

Salice Special Application

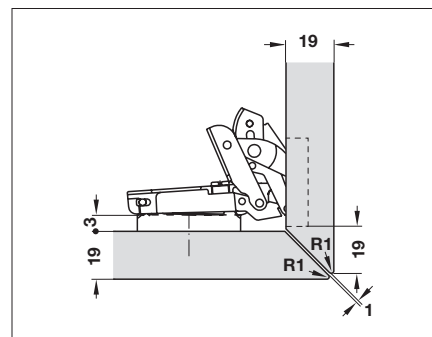
> Special application examples with rounded, rebated and profiled doors



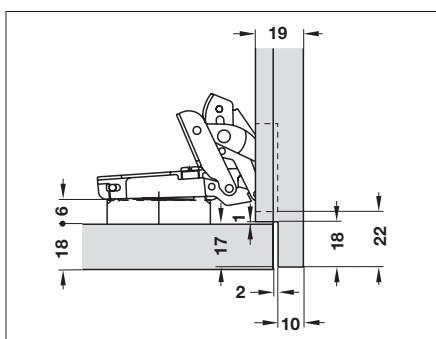
Concealed hinge 329.26.624 / page 9.25
Mounting plate 329.71.506 / page 9.40



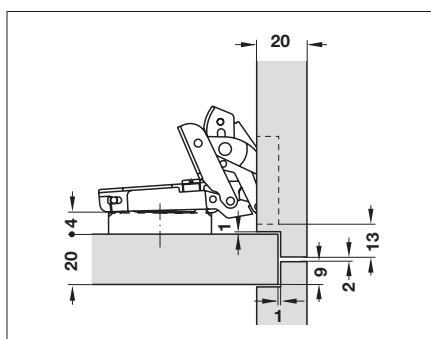
Concealed hinge 329.26.624 / page 9.25
Mounting plate 329.71.500 / page 9.40



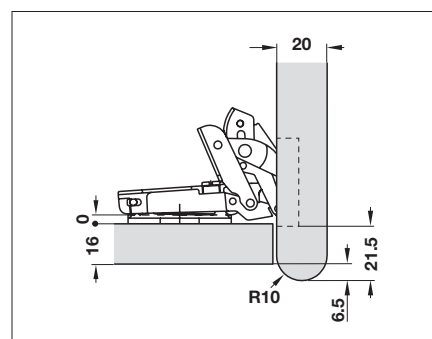
Concealed hinge 329.26.624 / page 9.25
Mounting plate 329.71.503 / page 9.40



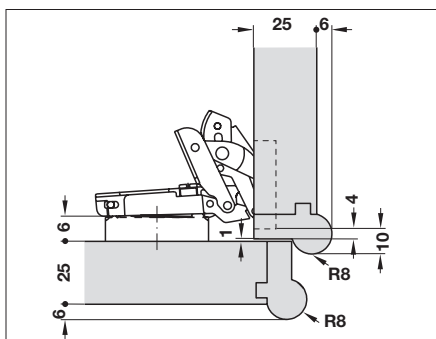
Concealed hinge 329.26.624 / page 9.25
Mounting plate 329.71.506 / page 9.40



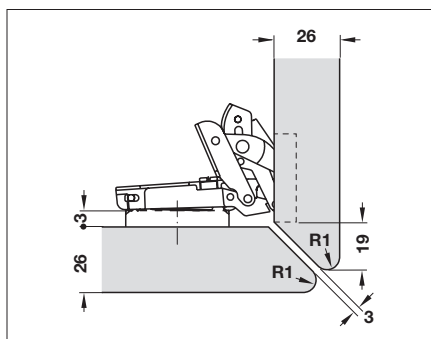
Concealed hinge 329.26.624 / page 9.25
Mounting plate 329.71.503 / page 9.40



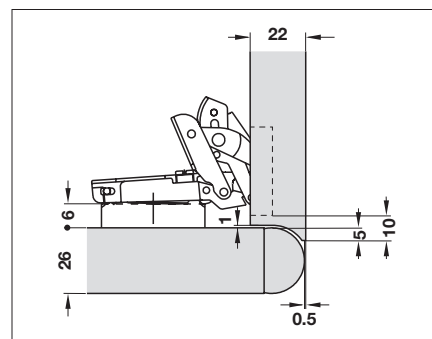
Concealed hinge 329.26.624 / page 9.25
Mounting plate 329.71.500 / page 9.40



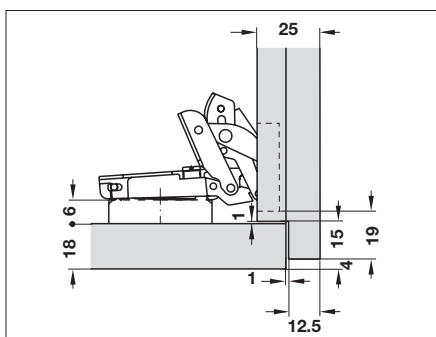
Concealed hinge 329.26.624 / page 9.25
Mounting plate 329.71.506 / page 9.40



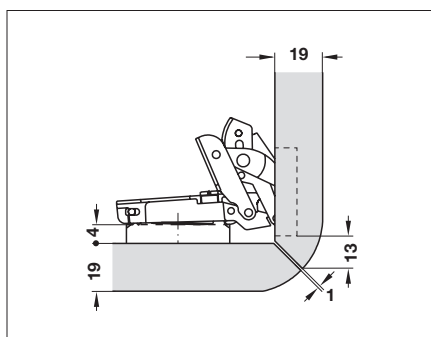
Concealed hinge 329.26.624 / page 9.25
Mounting plate 329.71.503 / page 9.40



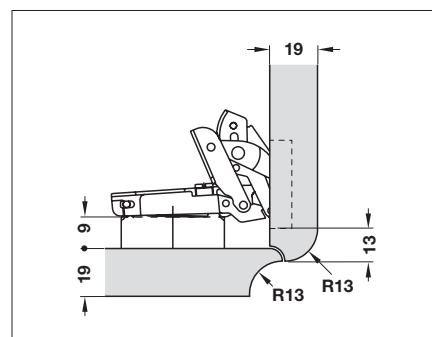
Concealed hinge 329.26.624 / page 9.25
Mounting plate 329.71.506 / page 9.40



Concealed hinge 329.26.624 / page 9.25
Mounting plate 329.71.506 / page 9.40



Concealed hinge 329.26.624 / page 9.25
Mounting plate 329.71.503 / page 9.40



Concealed hinge 329.26.624 / page 9.25
Mounting plate 329.71.508 / page 9.40

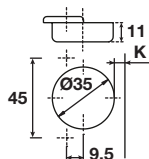
Dimensional data not binding. Dimensions in mm, inches are approximate. We reserve the right to alter specifications without notice.

Salice Pie-cut Corner Hinges



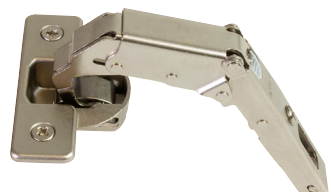
Opening angle: **65°**

Screw mount

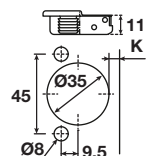


- > Self-close
- > Door thickness: 16–25 mm (5/8"–31/32")
- > Steel cup depth: 11 mm (7/16")
- > Cup diameter: 35 mm (1 3/8")
- > Opening angle of swing door is 65°
- > Tab: 3–5 mm (1/4"–3/16")
- > Material: Steel

> Finish: nickel-plated



Dowel, Rapido

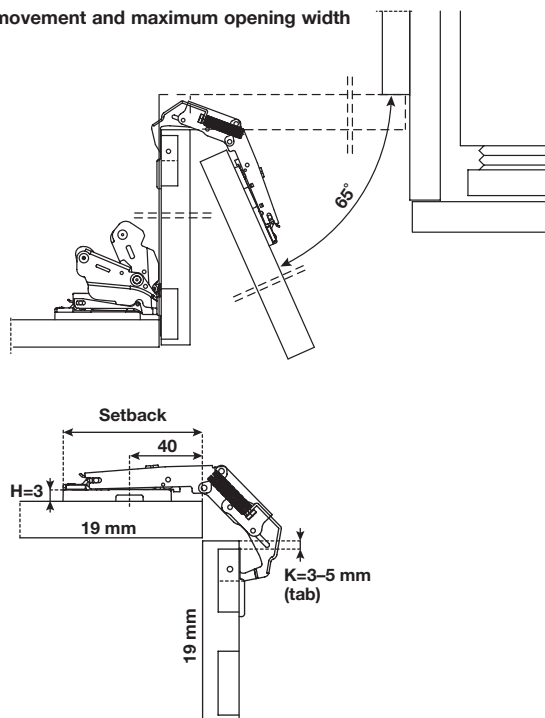


> Finish: titanium

	16–25		19–25	
	Setback	BP height	Setback	BP height
FF plate	9.5	1		
cross plate	37	0	40	3
inline plate	21	0	24	3

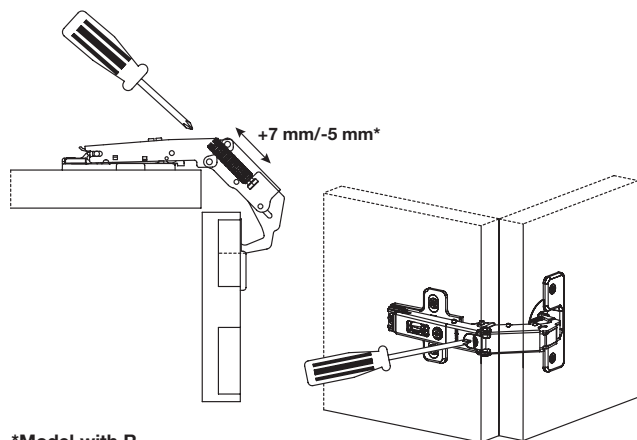
Mounting	Model	Item No.
screw	C2PYA99R*	329.19.650
dowel	C2RYA99R*	329.19.660
rapido	C27YA99	329.19.620

Hinge movement and maximum opening width



NEW

Diagonal adjustment



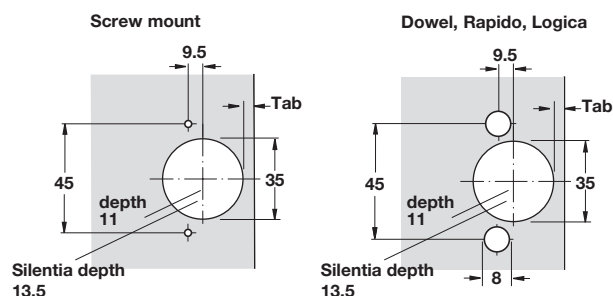
*Model with R

Mounting plates	pages 9.39-9.44
Flat head screws	pages 13.7-13.8, 13.10, 13.13
Trim caps	page 9.47

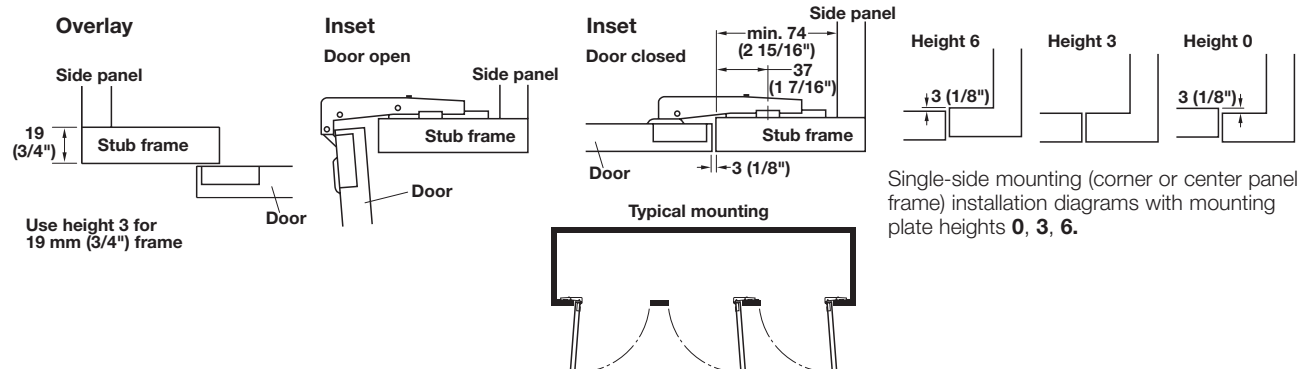
Salice Blind Corner Hinges



- > Door thickness: 16–26 mm (5/8"–1 1/32")
- > Tab: 3–8 mm (1/8"–5/16"); Silentia+: 3–6 mm (1/8"–1/4")
- > Material: Steel; Finish: nickel-plated



Opening angle	Closing method	Mounting	Overlay	Model	Item No.
94°	self-close	screw	inset	C2PBN99AC	329.11.506
110°	Silentia+	screw	inset	C7P6NE9AC	329.11.100
94°	self-close	dowel	inset	C2RBN99AC	329.31.515
110°	self-close	dowel	overlay	C2R6N99AM	329.35.510
110°	Silentia+	dowel	inset	C7R6NE9AC	329.11.110
110°	Silentia+	dowel	overlay	C7R6NE9AM	329.35.117
94°	self-close	rapido	inset	C27BN99AC	329.11.585
110°	Silentia+	logica	inset	C7J6NE9AC	329.11.120
105°	Silentia+	dowel	inset	C1R6NE9AC	329.94.117



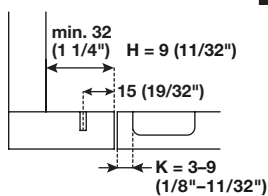
9

Hinges and Stays

→ Short Arm



Opening angle: **105°**



→ Mounting Plate



Model	Item No.
B253B99B6/15	329.08.609

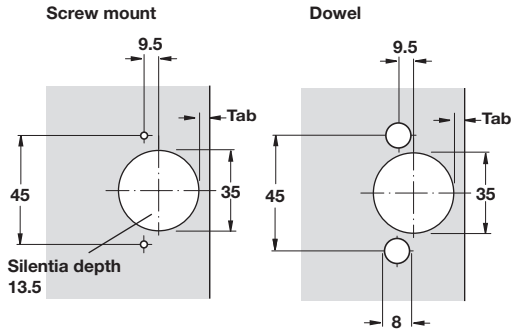
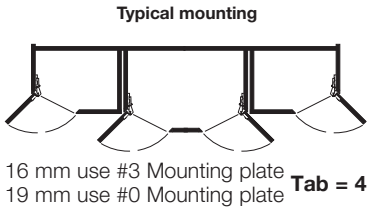
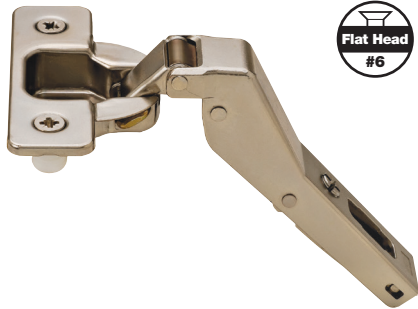
Opening angle	Closing method	Mounting	Overlay	Model	Item No.
105°	Silentia+	dowel	inset	C1R6NE9	329.94.119

Mounting plates	pages 9.39-9.44
Flat head screws	pages 13.7-13.8, 13.10, 13.13
Trim caps	page 9.47

Salice +45° Corner Hinges

soft&silent)))

- > Door thickness: 16–35 mm (5/8"–1 3/8")
- > For 45° corner application
- > Tab: 3–9 mm (1/8"–11/32"); Silentia+: 3–6 mm (1/8"–1/4")
- > Material: Steel; Finish: nickel-plated



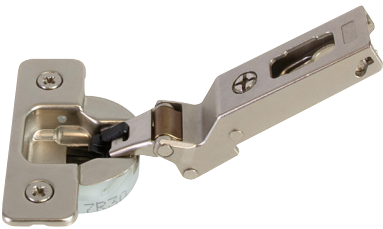
Opening angle	Closing method	Mounting	Overlay	Model	Item No.
94°	self-close	screw	overlay	C2PBM99AC	329.96.507
110°	Silentia+	dowel	overlay	C7R6VE9	329.25.448
94°	self-close	dowel	overlay	C2RBM99AC	329.96.517
110°	Silentia+	dowel	overlay	C7R6ME9AC	329.25.117
110°	Silentia+	dowel	overlay	C7R6ME9	329.25.447

Note
See page 9.31 for application drawings.

Dimensional data not binding. Dimensions in mm, inches are approximate. We reserve the right to alter specifications without notice.

Mounting plates	pages 9.39-9.44
Flat head screws	pages 13.7-13.8, 13.10, 13.13
Trim caps	page 9.47

Salice Silentia+ -45° Corner Hinges

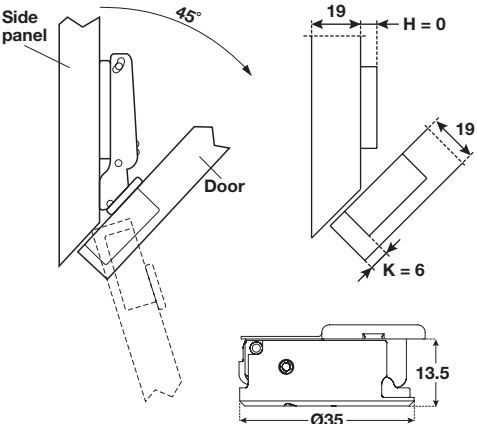


Opening angle: **110°**

soft&silent)))

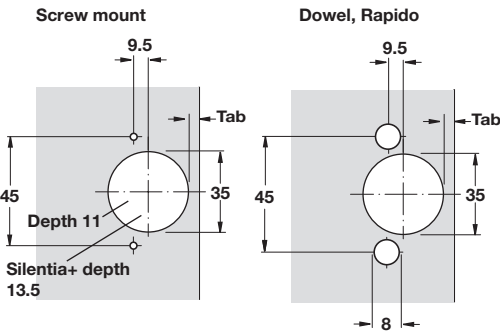


- > For doors with negative angled assembly
- > Door thickness: 16–26 mm (5/8"–1 13/32")
- > Cup depth: 13.5 mm (17/32")
- > Tab: 3–6 mm (1/8"–1/4")
- > Material: Cup: Steel; Hinge arm: Zinc Alloy



Possible drilling distance on the door (K):
3–6 mm (1/8"–1/4")

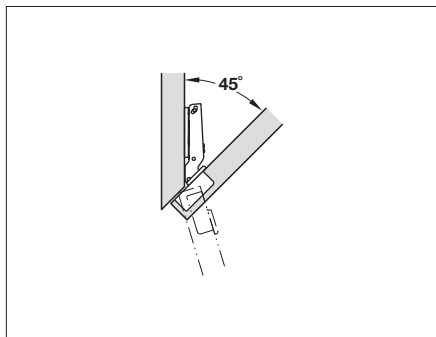
Opening angle	Closing method	Mounting	Model	Item No.
110°	Silentia+	dowel	C7R6HE9	329.35.132
110°	Silentia+	screw	C7P6HE9	329.35.133
120°	self-close	rapido	C27BH99	329.09.591



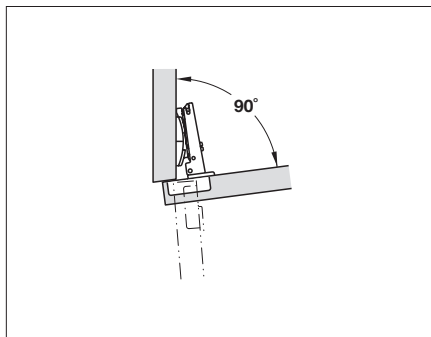
Note
Compatible with all traditional 200 Series mounting plates and with all Domi snap-on mounting plates.

Salice Special Application

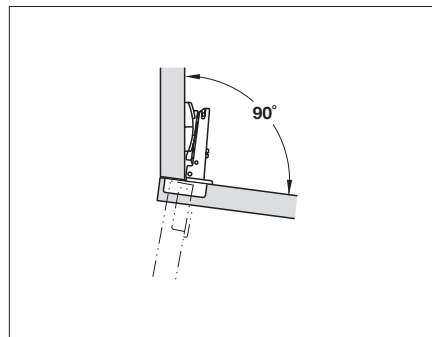
> Mounting solutions with special corner mountings (examples)



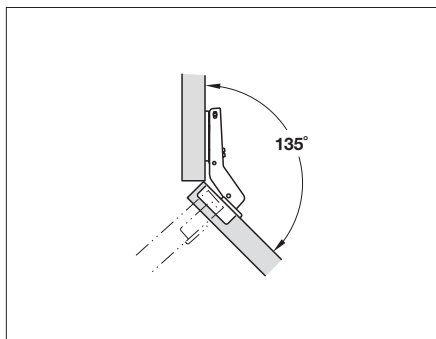
Concealed hinge 329.09.591 / page **9.30**
Mounting plate 329.71.500 / page **9.40**



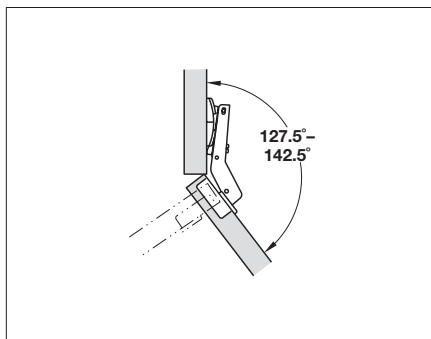
Concealed hinge 329.28.500 / page **9.18**
Mounting plate 329.84.110 / page **9.44**



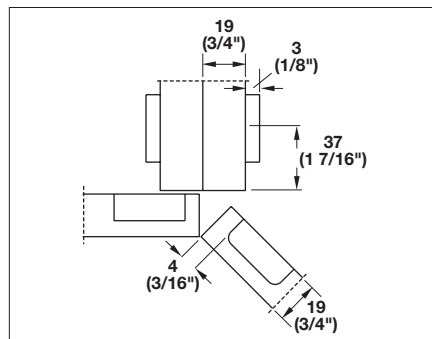
Concealed hinge 329.28.500 / page **9.18**
Mounting plate 329.84.110 / page **9.44**



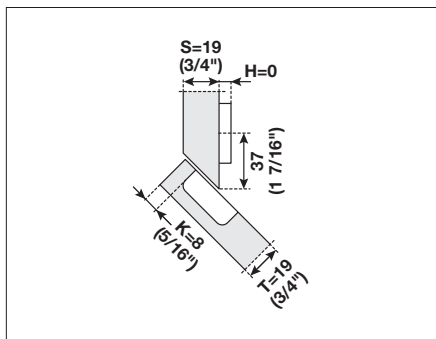
Concealed hinge 329.25.447 / page **9.29**
Mounting plate 329.71.500 / page **9.40**



Concealed hinge 329.96.507 / page **9.29**
Mounting plate 329.84.110 / page **9.44**



Concealed hinge 329.96.507 / page **9.29**
Mounting plate 329.71.110 / page **9.40**



Concealed hinge 329.25.448 / page **9.29**

Dimensional data not binding. Dimensions in mm, inches are approximate. We reserve the right to alter specifications without notice.

Salice PUSH System

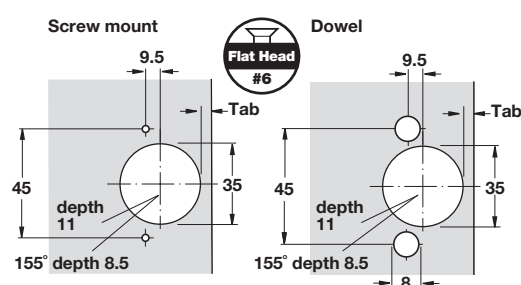


- > Developed to meet the market trend of pull-free furniture
- > Self-opening hinges and release devices are easily mounted to furniture
- > Door thickness 110°: 16–26 mm (5/8"–1 1/32")
- > Door thickness 155°/165°: 16–28 mm (5/8"–1 1/8")
- > Tab 110°: 3–6 mm (1/8"–1/4")
- > Tab 155°/165°: 3–9 mm (1/4"–11/32")
- > Allows for a very "clean" design appearance
- > Reverse-spring hinges help "PUSH" the door open
- > Material: Steel

→ Hinges



Opening angle: **110°**



Mounting	Overlay	Hinge arm	Model	nickel-plated	Model	titanium
screw	full		C2PPA99	329.17.800	-	-
screw	half		C2PPG99	329.17.802	-	-
screw	inset		C2PPP99	329.17.803	-	-
dowel	full		C2RPA99	329.17.810	C2RPA66	329.17.814
dowel	half		C2RPG99	329.17.812	C2RPG66	329.17.815
dowel	inset		C2RPP99	329.17.813	C2RPP66	329.17.816

→ Wide Angle Hinges



> Finish: nickel-plated

Opening angle	Mounting	Overlay	Hinge arm	Model	Item No.
165°	screw	full		C2PSA99	329.07.800
165°	screw	half		C2PSG99	329.07.802
155°	dowel	full		C2RRA99	329.27.814
155°	dowel	half		C2RRG99	329.27.815
155°	dowel	inset		C2RRP99	329.27.816

Mounting plates	pages 9.39-9.44
Push latches and catches	pages 9.33-9.34
Flat head screws	pages 13.7-13.8, 13.10, 13.13
Trim caps	page 9.47

Dimensional data not binding. Dimensions in mm, inches are approximate. We reserve the right to alter specifications without notice.

- > For door height over 1600 mm (63"), two push latches are recommended
- > Position hooks toward hinges
- > Depth adjustment: $-1/+2.5$ mm ($-1/32"/+3/32"$) via rear wheel
- > Lateral adjustment: ± 2 mm ($3/32"$) via elongated mounting holes
- > Material: Plastic

Technical drawing of the 2000 Series 2-Door Locking Cabinet, showing dimensions in inches.

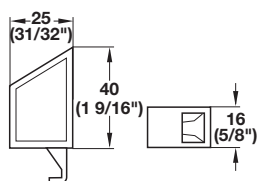
Top View Dimensions:

- Overall Width: 50 (1 31/32")
- Side Section Width: 24 (15/16")
- Central Section Width: 2 (3/32")
- Hole Diameter: Ø26 (1 1/32") x 8 (5/16")
- Hole Spacing: 6.8 (9/32")
- Door Overlay (D): D + 6.8 (9/32")

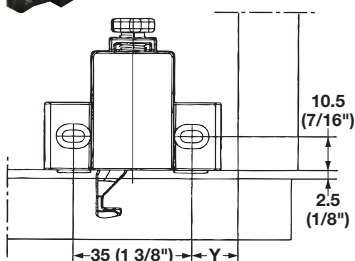
Side View Dimensions:

- Door Height: 9 (11/32")
- Base Width: 16 (5/8")

Note: D = Door overlay on side and top of the cabinet



D = Door overlay on side and top of the cabinet
Y = min. 8.5 mm



Supplied With
Mounting screws
Cover caps

D = Door overlay on side and top.
Drilling distance to center of catch = D + 8

- > For overlay doors
- > Press fit
- > Material: Plastic

Color	Model	Item No.
black	DP29SN3	329.44.332
beige	DP29SNB	329.44.432

Flat Head #6

$P = 14.8 + A$
 $P1 = 36.8 + T$
 $P2 = P + 12.4$
 $P3 = P1 - 22$

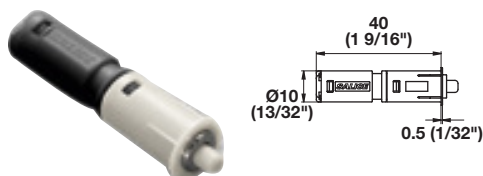
Inset door

- > For inset doors
- > Screw mounted
- > Material: Plastic

Version	Color	Model	Item No.
with lip	black	DP29SN3I	329.44.330
without lip	black	DP29SN3R	329.44.331
without lip	beige	DP29SNBR	329.44.431

Salice PUSH

→ Release Device



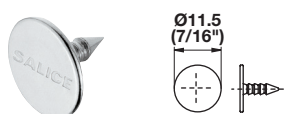
> Material: Plastic

Color	Model	Item No.
beige	DPMSNB	356.06.462

Note

Order catch below.

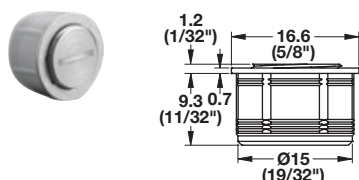
→ Retaining Catch with Pin



- > Nails on
- > Installation:
 - 1) Apply the retaining catch to the magnetic release device
 - 2) Close the door
 - 3) The point of the retaining catch will show where to insert it
 - 4) Reopen the door and press the retaining catch
- > Material: Steel

Finish	Model	Item No.
nickel-plated	DP28SN9	356.06.464

→ Adjustable Magnetic Catch



- > Inserts into the door
- > Increases holding power
- > Ideal for large heavy doors
- > Features depth adjustment
- > Ø x D: 15 x 11 mm (19/32\" x 7/16\")
- > Material: Housing: Plastic; Plate: Steel

Finish	Model	Item No.
gray	DP39XXG	356.06.466

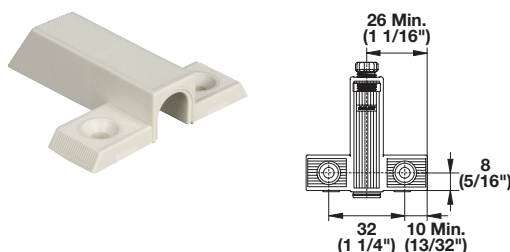
→ Magnetic Device



- > For heavy doors
- > Magnetic device increases the magnetic holding strength
- > Must always be used together with the release device (356.06.462)
- > The suggested position of the release device is the point of pressure on the door
- > Position at any point along the opening edge of the door
- > Material: Plastic

Color	Model	Item No.
beige	DPASNB	356.06.472

→ Magnetic PUSH Device Adapter



- > Surface mount housing with wood screws
- > Adjustable
- > With assembly stop tabs
- > Material: Plastic

Color	Model	Item No.
beige	DP84SNBR	356.06.420

→ Retaining Catch with Adhesive Strip



- > Adhesive backed
- > Material: Steel

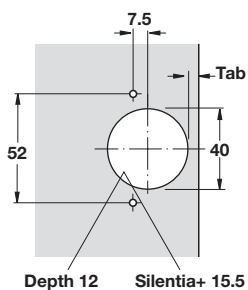
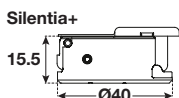
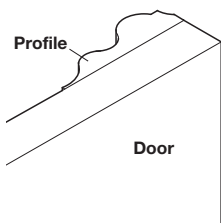
Finish	Model	Item No.
nickel-plated	DP38XX91	356.06.465

Salice N Series Thick Door Hinges



Opening angle: **94°**

- > Designed for special applications on thick heavy doors
- > Door thickness: 19–40 mm (3/4"–1 9/16")
- > Overlay: max. 34.5 mm (1 3/8")
- > Cup Ø: 40 mm (1 9/16")
- > Tab: 3–14 mm (1/8"–9/16")
- > Material: Steel



Note

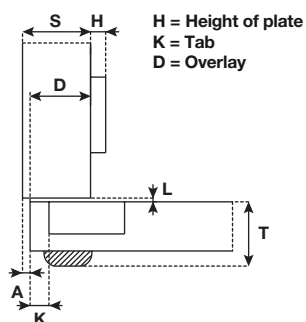
Call technical support for minimum reveal specs

Finish	Closing method	Mounting	Overlay	Hinge arm	Model	Item No.
nickel-plated	self-closing	screw	full		CNA7A99	329.05.685
nickel-plated	self-closing	screw	half		CNA7G99	329.05.686
nickel-plated	self-closing	screw	inset		CNA7P99	329.05.687
nickel-plated	free-swinging	screw	full		CNA5A99	329.05.650
nickel-plated	free-swinging	screw	half		CNA5G99	329.05.651
nickel-plated	free-swinging	screw	inset		CNA5P99	329.05.652
nickel-plated	Silentia+	screw	full		CNA7AE9	329.05.655
titanium	Silentia+	screw	full		CNA7AE6	329.05.680
nickel-plated	Silentia+	screw	half		CNA7GE9	329.05.656
titanium	Silentia+	screw	half		CNA7GE6	329.05.681
nickel-plated	Silentia+	screw	inset		CNA7PE9	329.05.657
titanium	Silentia+	screw	inset		CNA7PE6	329.05.682

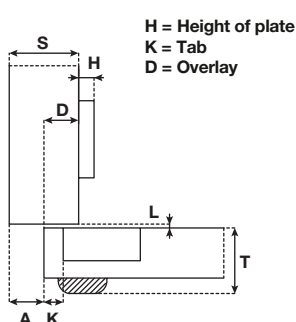
Overlay Formulas

A	full overlay	$D = (19 + K) - H$
G	half overlay	$D = (10 + K) - H$
P	inset	$D = (-3 + K) + A$

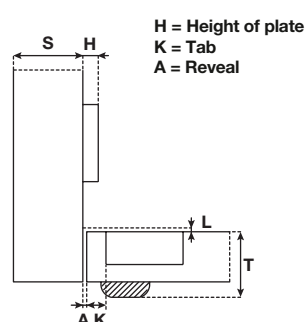
Full overlay



Half overlay



Inset overlay

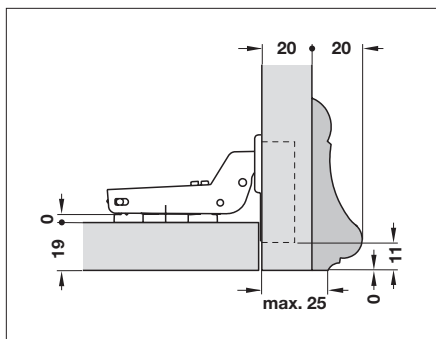


Mounting plates pages 9.39-9.44

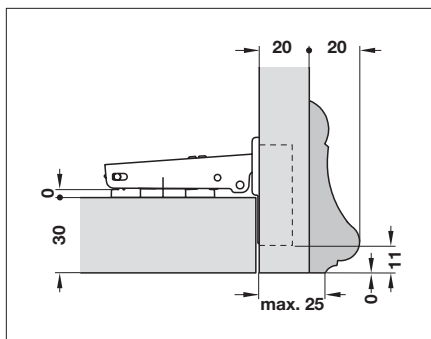
Flat head screws pages 13.7-13.8, 13.10, 13.13

Salice

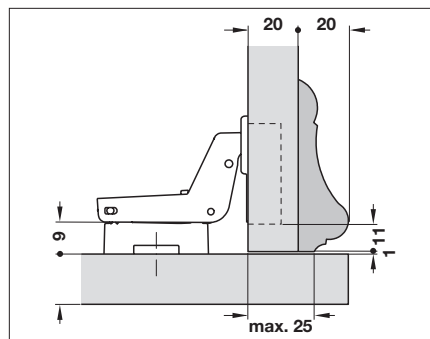
→ **Mounting examples for profiled doors with thick door hinge**



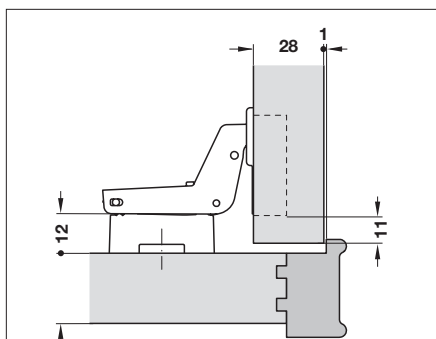
Concealed hinge 329.05.656 / page **9.35**
Mounting plate 329.71.500 / page **9.40**



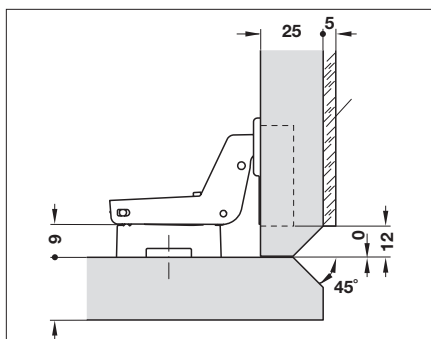
Concealed hinge 329.05.655 / page **9.35**
Mounting plate 329.71.500 / page **9.40**



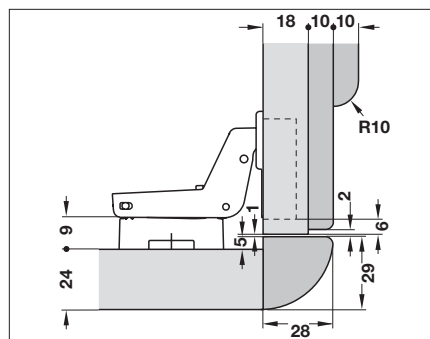
Concealed hinge 329.05.657 / page **9.35**
Mounting plate 329.71.508 / page **9.40**



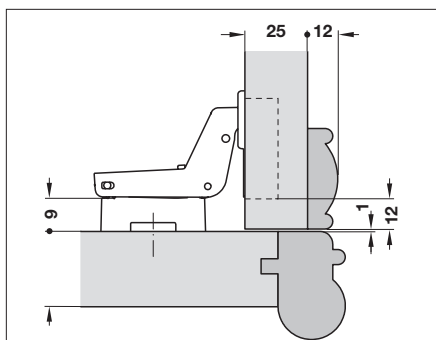
Concealed hinge 329.05.657 / page **9.35**
Mounting plate 329.71.509 / page **9.40**



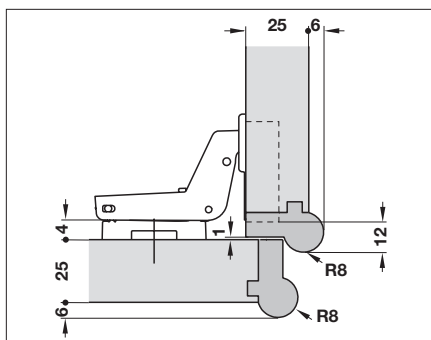
Concealed hinge 329.05.657 / page **9.35**
Mounting plate 329.71.508 / page **9.40**



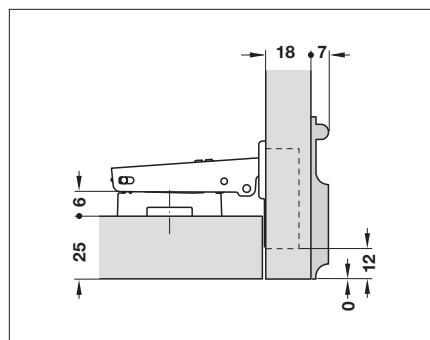
Concealed hinge 329.05.657 / page **9.35**
Mounting plate 329.71.508 / page **9.40**



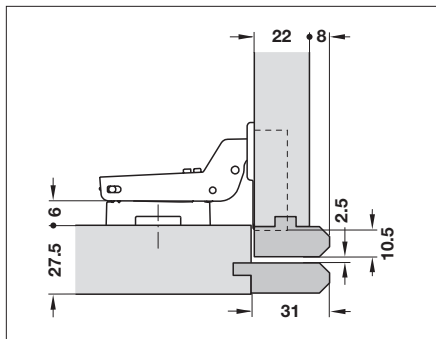
Concealed hinge 329.05.657 / page **9.35**
Mounting plate 329.71.508 / page **9.40**



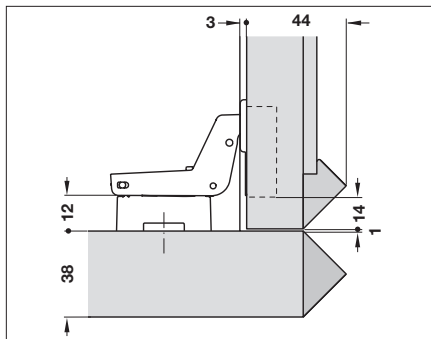
Concealed hinge 329.05.657 / page **9.35**
Mounting plate 329.71.503 / page **9.40**



Concealed hinge 329.05.655 / page **9.35**
Mounting plate 329.71.506 / page **9.40**



Concealed hinge 329.05.656 / page **9.35**
Mounting plate 329.71.506 / page **9.40**

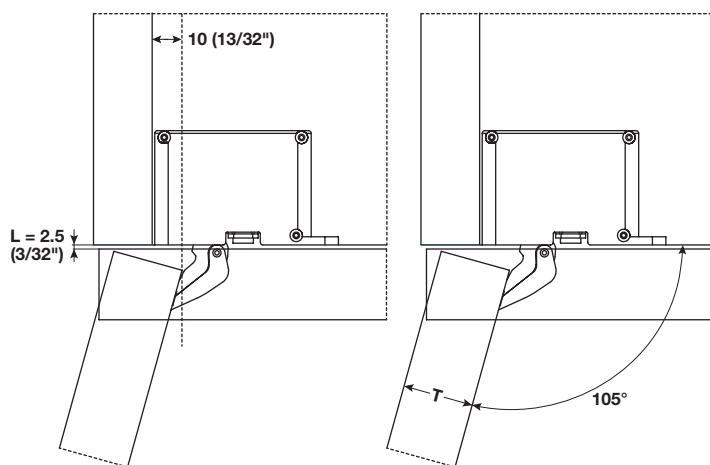


Concealed hinge 329.05.657 / page **9.35**
Mounting plate 329.71.509 / page **9.40**

Salice Air Hinges



- > Door thickness: min. 18 mm (23/32")
- > Drilling distance on wood doors (K): 3–6 mm (1/8"–1/4")
- > Adjustment: Side: +/-2 mm; Depth: +2/-1.5 mm; Height: +/-1.5 mm
- > Door weight: max. 25 kg (55 lbs.)
- > W x H: max. 610 x 2,700 mm (24" x 106")
- > L x W x D: 60 x 70 x 10 mm (2 3/8" x 2 3/4" x 13/32")
- > Ø: 16.5 mm (5/8") stepped mortise in door
42 mm (1 11/16") stepped mortise in cabinet
- > Material: Zinc



Opening angle: **105°**

Projection of the door from the cabinet side at the max. opening.
The figures are based on K value = 3 mm (1/8") and door overlay = 19 mm (3/4").

	T=	18	20	22	24	26	28	30	32
K=3	A=	0	0.2	0.5	0.8	2.3	4.9	7.5	10.0
K=4	A=	0	0.2	0.4	0.8	1.3	3.9	6.5	9.0
K=5	A=	0	0.2	0.4	0.8	1.3	2.9	5.5	8.0
K=6	A=	0	0.2	0.4	0.8	1.2	1.9	4.5	7.0

→ Soft Close

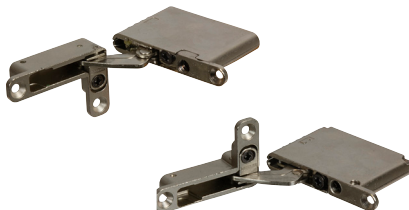


soft&silent

Finish	Model No.	Item No.
nickel-plated	CEL6XE9XXV	329.97.520
titanium	CEL6XE6XXV	329.97.530

Supplied With
2 hinges
Installation screws

→ Push



Finish	Model No.	Item No.
nickel-plated	CELPX99XXV	329.97.820
titanium	CELPX66XXV	329.97.830

Supplied With
2 hinges
Installation screws

Note
For required push release, see pages **9.33–9.34**

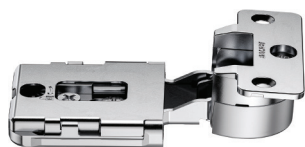
→ Restrictor



Opening angle: **92°**

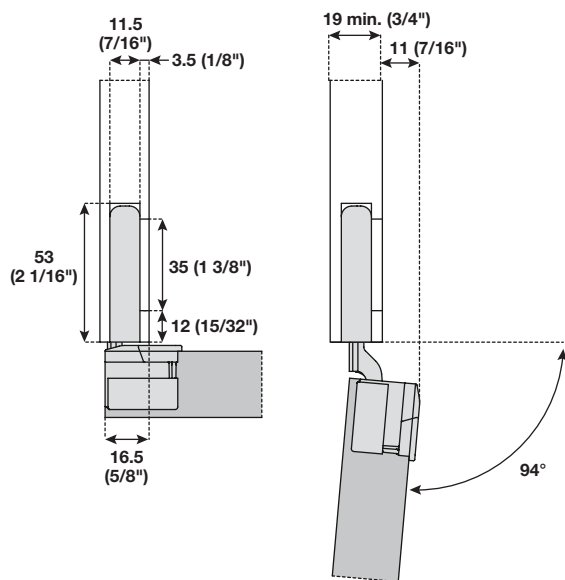
Model No.	Item No.
SEL637X3	329.97.599

Salice Conecta Hinges



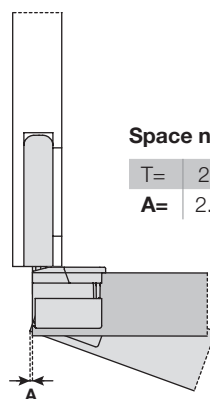
Opening angle: **94°**

- > With recessed insertion in the side panel
- > Drilling distance on wood doors: fixed at 10 mm (13/32")
- > Adjustment: Side: -1/+2 mm; Depth: 0/+3 mm
- > Cup depth: max. 22 mm (7/8")
- > Material: Steel



Door overlay	Finish	Model	Item No.
12.5 (1/2")	nickel-plated/white	CQA3JE9XXV	329.20.700
12.5 (1/2")	titanium	CQA3JE6XXV	329.20.100
16.5 (5/8")	nickel-plated/white	CQA3KE9XXV	329.20.701
16.5 (5/8")	titanium	CQA3KE6XXV	329.20.101

Bag Supplied With
2 hinges, 2 cover caps, 4 screws



Space needed to open the door

T=	25	26	27	28	29	30
A=	2.4	3.1	4.0	4.7	5.5	6.3

→ Holder-Sleeves, required

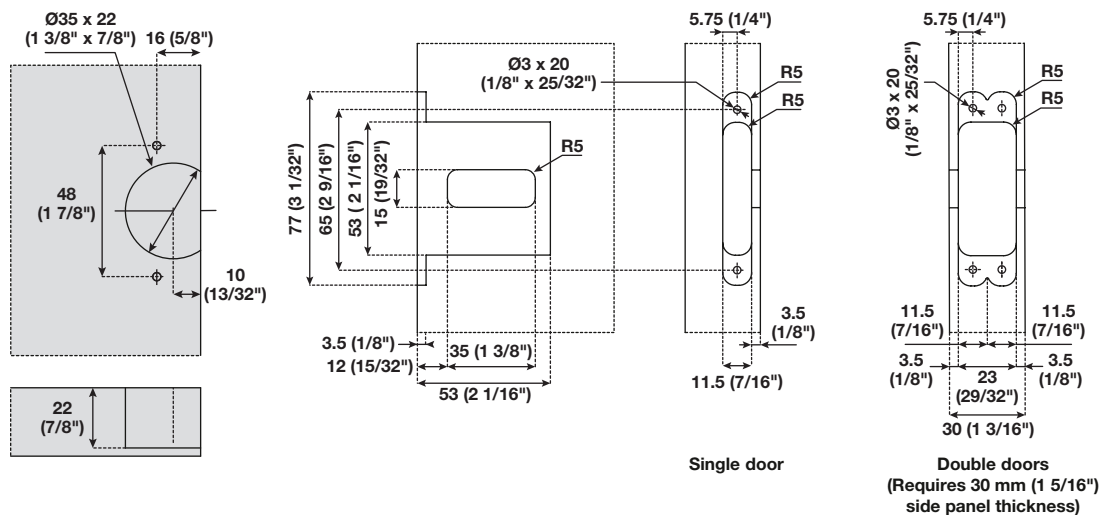


- > Attaches to the side with Ø4 x 25 mm (3/32" x 31/32") screws

Finish	Model	Item No.
nickel-plated/white	DQG3BX9XS	329.20.791
titanium	DQG3BX6XS	329.20.191

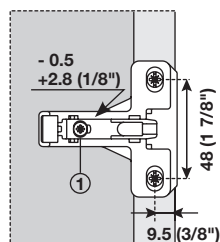
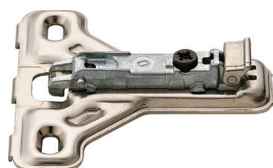
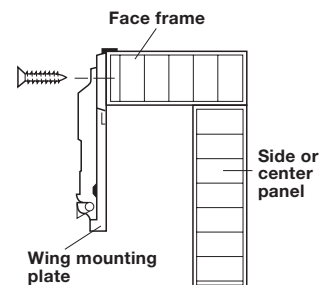
Bag Supplied With
2 holders, 2 arm cover caps, 4 holder screws

Hinges and Stays



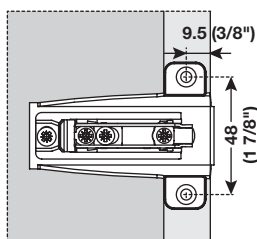
Dimensional data not binding. Dimensions in mm, inches are approximate. We reserve the right to alter specifications without notice.

Salice Clip Mounting Plates



- > Screw mounted
- > Spring lever
- > Vertical adjustment with oblong holes
- > Cam depth adjustment ①
- > Material: Steel; Finish: nickel-plated

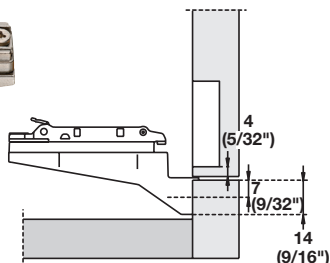
Height	Overlay	Model	Item No.
1	3/4"	BAU3L19	329.64.531
4	1/2"	BAU3L49	329.64.540



- > Screw mounted
- > For large overlay face-frame applications
- > Material: Zinc die-cast; Finish: nickel-plated

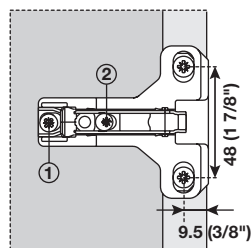
Height	Model	Item No.
11	BAM3R09	329.82.640

Overlay = constant + tab
+ 11 mm (7/16")



- > Screw mounted
- > For inset application
- > Spring lever
- > 2 cam independent depth and vertical adjustment
- > To be used with half overlay hinge
- > Material: Zinc die-cast

Height	Finish	Model	Item No.
13.5	nickel-plated	BAL3R59	329.67.030
13.5	titanium	BAL3R56	329.67.031

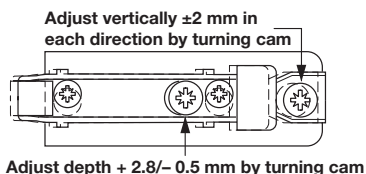


- > Screw mounted
- > Spring lever
- > 2 cam independent depth ① and vertical adjustment ②
- > Material: Zinc die-cast

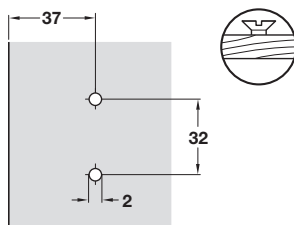
Height	Finish	Overlay	Model	Item No.
1	nickel-plated	3/4"	BAU3R19	329.64.551
4	nickel-plated	5/8"	BAU3R49	329.64.554
6	nickel-plated	1/2"	BAU3R69	329.64.555
1	titanium	3/4"	BAU3R16	329.64.571
4	titanium	5/8"	BAU3R46	329.64.574

Pan head screws	pages 13.9-13.10
Flat head screws	pages 13.7-13.8, 13.10, 13.13

Salice Clip Mounting Plates



Hole pattern

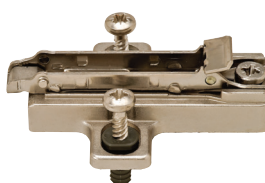


- > Screw mounted
- > Spring lever
- > With independent vertical and depth adjustment with cam
- > Material: Steel/Zinc

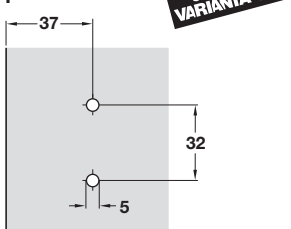
Height	Model	titanium	Model	nickel-plated
0	BAR3R06	329.71.507	BAR3R09	329.71.500
2	BAR3R26	329.71.582	BAR3R29	329.71.502
3	-	-	BAR3R39	329.71.503
6	-	-	BAR3R69	329.71.506
9	-	-	BAR3R99	329.71.508
12	BAR3RC6	329.71.622	BAR3RC9	329.71.509
18*	BAR3RV6	329.71.623	BAR3RV9	329.71.579
21*	-	-	BAR3RZ9	329.71.573
24*	-	-	BAR3RY9	329.71.576
27*	-	-	BAR3RU9	329.71.577
30*	-	-	BAR3RM9	329.71.578

Note

*Require 3rd screw #7 x 16 mm (5/8")



Hole pattern



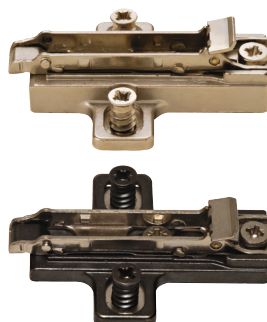
- > Mounted in system holes with expandable 5 mm (3/16") dowels
- > Spring lever
- > With independent vertical and depth adjustment with cam
- > Material: Steel/Zinc; Finish: nickel-plated

Height	Model	Item No.
0	BAR4R09/16	329.71.520
2	BAR4R29/16	329.71.522
3	BAR4R39/16	329.71.523
6	BAR4R69/16	329.71.526

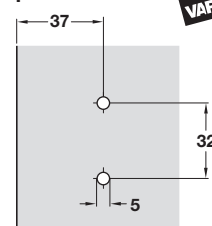
Note

Vertical & depth adjustments made with Pozi drive #2.

- > Automatic Adjustment Response feature: a slight turn of the depth adjustment cam or vertical cam quickly positions hinge eliminating need for manual positioning by loosening screws.



Hole pattern



- > Screw mounted in system holes
- > Spring lever
- > Pre-installed 11 mm (7/16") euro screws
- > With independent vertical and depth adjustment with cam
- > Material: Steel/Zinc

Height	Model	titanium	Model	nickel-plated
0	-	-	BARGR09/16	329.71.510
2	BARGR26/16	329.71.562	BARGR29/16	329.71.512
3	-	-	BARGR39/16	329.71.513
6	-	-	BARGR69/16	329.71.516
9	-	-	BARGR99/16	329.71.518
12	-	-	BARGRC9/16	329.71.519
18*	-	-	BARGRV9/16	329.71.559
21*	-	-	BARGRZ9/16	329.71.553
24*	-	-	BARGRY9	329.71.517
27*	-	-	BARGRU9/16	329.71.557
30*	-	-	BARGRM9/16	329.71.558

- > For center/common panels
- > Pre-installed 7.5 mm (5/16") euro screws
- > Material: Steel/Zinc; Finish: nickel-plated

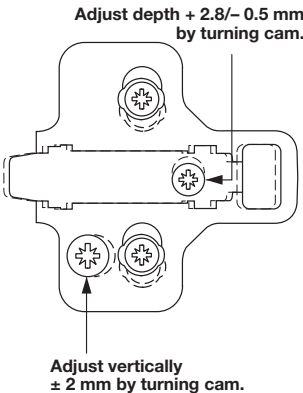
Height	Model	Item No.
0	BARGR09/20	329.71.530
3	BARGR39/20	329.71.533

Note

*Require 3rd screw #7 x 16 mm (5/8")

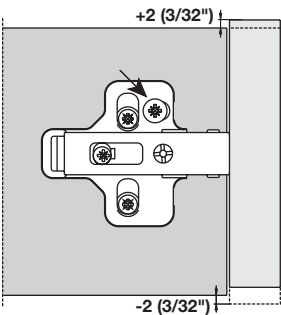
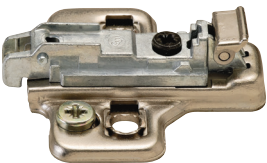
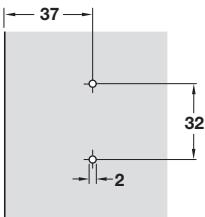
Salice Clip Mounting Plates

Vertical and depth adjustments made with Pozi drive #2.



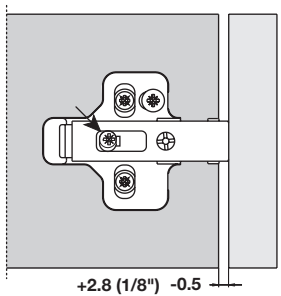
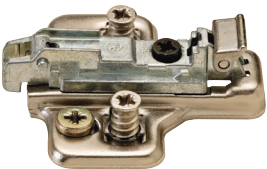
- > Automatic Adjustment Response feature: a slight turn of the depth adjustment cam or vertical cam quickly positions hinge eliminating need for manual positioning by loosening screws
- > Material: Steel; Finish: nickel-plated

Hole pattern



- > Screw mounted
- > Spring lever
- > With vertical and depth adjustment with cam

Height	Model	Item No.
0	BAR3L09F	329.68.000
3	BAR3L39F	329.68.003
6	BAR3L69F	329.68.006

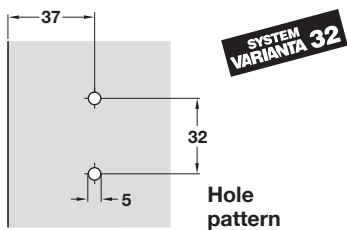
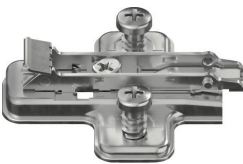
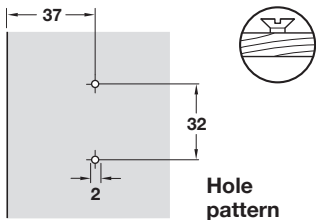
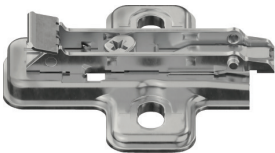


- > Spring lever
- > Pre-installed euro mounting screws in system holes
- > Length: 11 mm (7/16\") for single-side mounting
- > With vertical and depth adjustment with cam

Height	Model	Item No.
0	BARGL09F/16	329.69.010
3	BARGL39F/16	329.69.013
6	BARGL69F/16	329.69.016

Dimensional data not binding. Dimensions in mm, inches are approximate. We reserve the right to alter specifications without notice.

Salice Clip Mounting Plates



- > Depth adjustment with cam screw: +2.8/-0.5 mm
- > Spring level
- > Vertical adjustment oblong holes
- > Material: Steel; Finish: nickel-plated

> Screw mounted

Height	Model	Item No.
0	BAV3M09F	329.74.500
2	BAV3M29F	329.74.502
3	BAV3M39F	329.74.503
12	BAV3EC9F	329.85.012
13	BAV3EV9F	329.85.018

- > Pre-installed mounting screws
- > Length: 11 mm (7/16") for single-side mounting

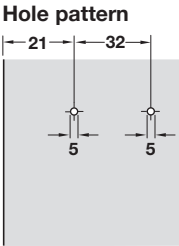
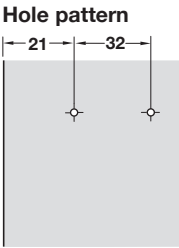
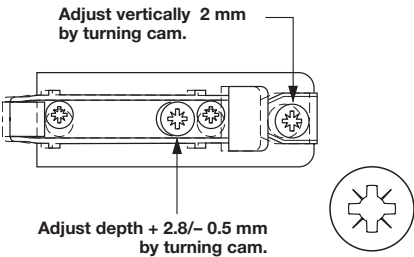
Height	Model	Item No.
0	BAVGM09F/16	329.74.510
2	BAVGM29F/16	329.74.512
3	BAVGM39F/16	329.74.513
6	BAVGM69F/16	329.73.516
12	BAVGEC9F/16	329.85.032
18	BAVGEV9F/16	329.85.038

> Length: 7.5 mm (5/16") for shared panel mounting

Height	Model	Item No.
0	BAVGL09F/20	329.73.520

Salice Clip Mounting Plates

Vertical and depth adjustments made with Pozi drive #2.



- > Spring lever
- > Independent vertical and depth adjustment with cam
- > Material: Steel

- > Screw mounted with wood screws

Height	Finish	Model	Item No.
0	nickel-plated	BAP3R09	329.67.040
0	titanium	BAP3R06	329.67.060
2	nickel-plated	BAP3R29	329.67.042
3	nickel-plated	BAP3R39	329.67.043
6	nickel-plated	BAP3R69	329.67.046
9	nickel-plated	BAP3R99	329.67.048

- > Pre-installed euro mounting screws
- > Length: 11 mm (7/16") for single-side mounting

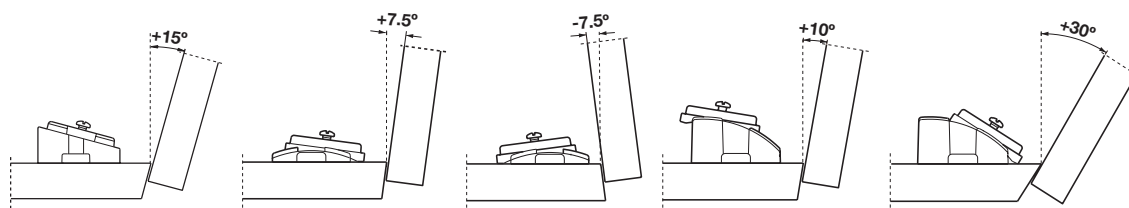
Height	Finish	Model	Item No.
2	nickel-plated	BAPGR29/16	329.67.002
2	titanium	BAPGR26/16	329.67.082
3	nickel-plated	BAPGR39/16	329.67.003

- > Pre-installed euro mounting screws
- > Length: 7.5 mm (5/16") for shared panel mounting

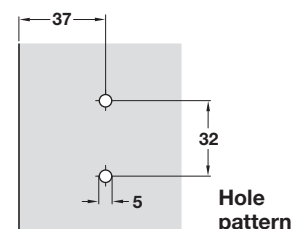
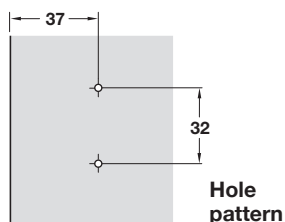
Height	Finish	Model	Item No.
0	nickel-plated	BAPGR09/20	329.67.050
2	nickel-plated	BAPGR29/20	329.67.057
6	nickel-plated	BAPGR69/20	329.67.134
0	titanium	BAPGR06/20	329.67.132
2	titanium	BAPGR26/20	329.67.133
6	titanium	BAPGR66/20	329.67.135

Dimensional data not binding. Dimensions in mm, inches are approximate. We reserve the right to alter specifications without notice.

Salice Slide-on Mounting Plates



An almost infinite variety of angled door applications is possible when used in conjunction with Salice hinges on pages **9.17-9.30, 9.32, 9.35**

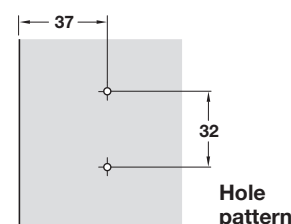
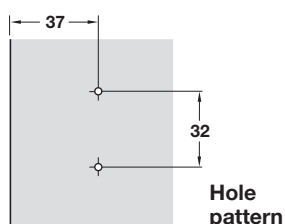


- > Screw mounted
- > Pre-installed hinge arm retaining screws
- > Independent vertical adjustment
- > Material: Zinc die-cast; Finish: nickel-plated

- > Pre-installed euro screws in system holes
- > Pre-installed hinge arm retaining screws
- > Length: 11 mm (7/16") for single-side mounting
- > Independent vertical adjustment
- > Material: Zinc die-cast; Finish: nickel-plated

Height	Model	Item No.
0	B2R3E09/15	329.80.626
3	B2R3E39/15	329.80.653
9	B2R3E99/15	329.80.680

Height	Model	Item No.
0	B2RGE09/17	329.81.721
3	B2RGE39/17	329.81.758
9	B2RGE99/17	329.81.785



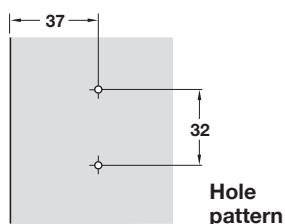
- > Screw mounted
- > Pre-installed hinge arm retaining screws
- > Vertical adjustment with oblong holes
- > Material: Zinc die-cast; Finish: nickel-plated

- > Screw mounted
- > Pre-installed hinge arm retaining screws
- > Vertical adjustment with oblong holes
- > Material: Zinc die-cast; Finish: nickel-plated

Type	Model	Item No.
15°	B2V3BW9/15	329.84.100

Type	Model	Item No.
+/- 7.5°	B2V3BW9R/15	329.84.110

→ Slide-on Mounting Plate



- > Screw mounted
- > Pre-installed hinge arm retaining screws
- > Vertical adjustment with oblong holes
- > Material: Zinc die-cast; Finish: nickel-plated

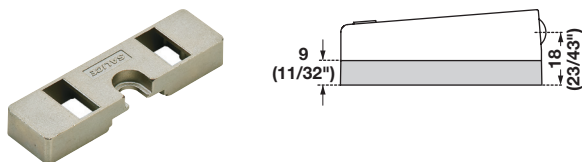
Type	Model	Item No.
+10/+ 30°	B2V3BW9S/15	329.84.120

Salice

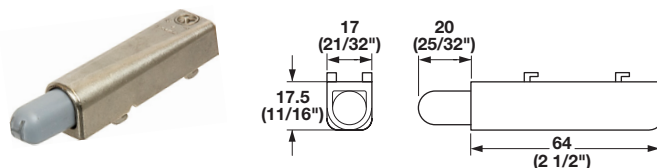


- > For frameless cabinets
- > Can not be used with Logica or Rapido hinges

→ Mounting Plate Adapters for Smoveholder



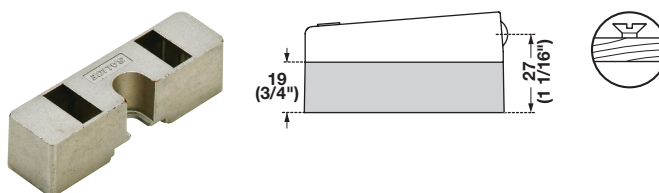
→ Smoveholders with integrated SMOVE



- > Soft tip prevents door marring
- > Adjustable piston and adapter thickness accommodates various door sizes and overlays
- > Use with most euro mounting plates with wings, installation requires 5 mm (3/16'') or #8 x 5/8'' screws
- > Quick and simple installation and adjustment
- > Adjust by rotating screw +/-firm -/soft
- > Material: Zinc die-cast; Piston: Plastic

- > For full overlay hinges
- > Material: Zinc die-cast

Mounting plate	Model	Item No.
BAV steel	D2VX09	329.45.910
BAR die-cast	DARX09	329.45.911

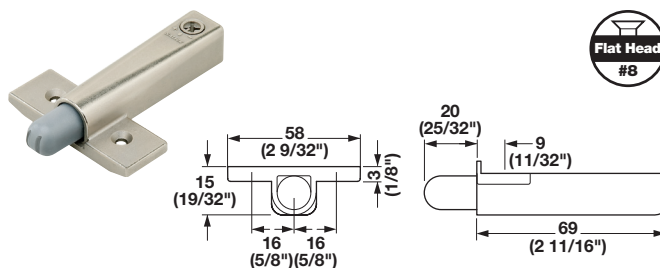


- > For BAV Steel mounting plate
- > For half overlay hinges
- > With steel mounting plate for wood screw mounting
- > Material: Zinc die-cast

Color	No. of hinges/door	Model	Item No.
black	2-3	D0SHSNG	329.45.330
orange	3+	D0S8SNG	329.45.501

Model	Item No.
D2VX99	329.45.914

→ Super SMOVE



- > For frameless or face frame applications
- > Unhanded
- > Material: Zinc/Plastic; Color: beige

No. of hinges/door	Model	Item No.
2-3	D0LHSNG	329.45.510
3+	D0L8SNG	329.45.511

Note

Use on heavy doors such as pantry doors.



Loosen one screw on the mounting plate



Insert the adapter for the Smoveholder



Re-tighten the screw for the mounting plate



Apply the Smoveholder to the adapter



Rotate the screw toward the plus sign to decrease closing speed, or to the minus sign to increase closing speed

Salice SMOVE



For recess mounting

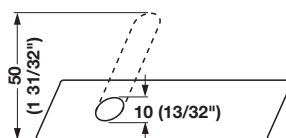


For surface mounting

- > Quiet door/drawer closure
- > As the door/drawer opens, pressure is then released allowing the adapter to move forward to receive the door/drawer again
- > Use with hinges on pages **9.17-9.30, 9.32**
- > For doors over 1,600 mm (63"), we suggest using two SMOVE, one inserted into the upper part and the second into the lower part of the cabinet side opposite the hinges

SMOVE Installation instructions for adhesive adapters:

1. Clean and de-grease the cabinet surface where the adapter is to be installed using denatured alcohol or an acetone based cleaner.
2. Remove the protective strip from the adhesive.
3. Place the adapter in position and apply a firm pressure for about one minute.
4. Insert SMOVE into the adapter.
5. Allow a period of 12 hours to elapse before using.



- > Light resistance
- > With pre-attached grommet
- > Mount into the cabinet side opposite the hinges
- > For optimal performance, we suggest mounting in the center of side panel
- > For doors: 450–600 mm (17 23/32"–23 5/8")
- > Material: Plastic

Color	Model	Item No.
beige	D005SNB	356.11.400
light brown	D005SNQ	356.11.100



- > Heavy resistance
- > With pre-attached grommet
- > Mount into the cabinet top or base panel on the hinged side
- > Suggested drilling distance from cabinet side: 27 mm (1 1/16")
- > Material: Plastic

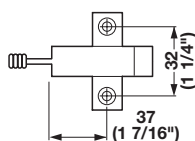
Color	Model	Item No.
beige	D008SNB	356.11.420



- > Medium resistance
- > With pre-attached grommet
- > Mount approximately into the cabinet center of the top or base panel
- > Material: Plastic

Color	Model	Item No.
beige	D006SNB	356.11.410

→ Adapter



- > For overlay or inset doors
- > Screw mounted
- > Material: Plastic

Color	Model	Item No.
beige	D064SNBR	356.11.462

→ Twist Drill Bit HSS



- > Ø10 mm (13/32")
- > Material: Steel

Item No.
001.41.293

Supplied With
10 pcs.

Salice Accessories

→ Cover Caps



> Material: Steel

Finish	Model	Item No.
nickel-plated	S2BX83H9	329.32.500
titanium	S2BX83H6	329.32.509

→ Reduction Clips



> Material: Steel

Model	For hinge	Limits opening to	Item No.
S2A637XF	94°	86°	329.24.500

> Material: Plastic

Color	Model	For hinge	Limits opening to	Item No.
white	S2BF37XY	155°/165° self-close	110°	329.24.510
black	S2AF37X3	155°/165° self-close	125°	329.24.520
light gray	S2BM37XG	155° Silentia+	92°	329.24.530
dark gray	S2AM37XG	155° Silentia+	120°	329.24.515
white	S1E637XY	100, 700 series	86°	329.24.501

→ Euro Screw for Plates



> 14.5 x 5 mm (9/16" x 3/16")
> Material: Steel

Finish	Model	Item No.
titanium	V136X156	013.19.731

→ Flange Cover Caps



> Material: Steel

Finish	Model	Item No.
nickel-plated	S2XX85H9	329.32.530
titanium	S2XX85H6	329.32.539

→ Replacement Dowel for Hinges

> Material: Plastic

Model	Item No.
S2R660XY	329.00.093

→ Replacement Screw for Dowels



> Material: Steel

Model	Item No.
V284X114	329.00.084

→ Spacers



> Place under the Silentia cup flange to shim up
> Material: Plastic, transparent

Drilling depth	Model	Item No.
1.2	S2XX86AT	329.18.452
1.8	S2XX86KT	329.18.453

Dimensional data not binding. Dimensions in mm, inches are approximate. We reserve the right to alter specifications without notice.

Salice Hinge Machines

→ Salice Omal/Insert C



- > Suitable for multiple drilling solutions including:
 - Hinge insertion
 - Line drilling (base plates, shelf supports)
 - Horizontal drilling (in line plates, K.D. fittings)

Version	Item No.
110V	001.89.003
220V single phase	001.89.004
220V three phase	001.89.005

Supplied With

1.5 HP motor
5 Spindles gearbox (boring pattern 45 x 9.5 mm)
Center fence
Table (700 x 400 mm)
Right and left hand extension rulers (700 mm (2' 4") each)
4 Tilt stops (to index panels on the fence)
Pneumatic (6 bar, 85 psi) hold down clamps
Universal insertion RAM
Set of drill bits (1 - 35 mm RH bit and 2 - 8 mm LH bits)
Tool kit
Operators manual

→ Exhaust Device Insert C Machine, optional

Item No.
001.89.030

Note

Only available for 001.89.003, 001.89.004 and 001.89.005.

*Note

All machines must be ordered via local Häfele representative.

→ Omal Hinge Boring/Insertion Machine



- > Suitable for multiple drilling solutions including:
 - Hinge insertion
 - Line drilling (base plates, shelf supports)
 - Horizontal drilling (in line plates, K.D. fittings)

Version	Item No.
manual	001.89.006
"Easy" 110V	001.89.007

Supplied With

1.5 HP motor
3 Spindles gearbox (boring pattern 45 x 9.5 mm)
Center fence
Table (700 mm x 400 mm)
2 Tilt stops (to index panels on the fence)
Universal RAM
Set of drill bits - 1 - 35 mm RH bit and 2 - 8 mm LH bits
Tool kit
Operators manual

→ Accessories, optional

Item	Item No.
Tilt stop left	001.89.111
Tilt stop right	001.89.112
Silenta insertion RAM	001.88.600
Extension ruler RH	001.89.130
Extension ruler LH	001.89.131
Extension ruler extra long RH 1,200	001.89.132
Extension ruler extra long LH 1,200	001.89.133
Drill bit carbide LH Ø8 x 57 (5/16" x 2 1/4")	001.06.870
Carbide RH Ø35 x 57 (1 3/8" x 2 1/4")	001.08.013
Drill bit kit for hinge machines carbide 2 - 8 mm LH & 1 - 35 mm RH	001.06.871

Grass TIOMOS



Features

- > A hinge system for all door applications
- > With 3 soft close settings, invisibly integrated in hinge arm
- > Improved kinematics reduces opening force and minimizes reveals
- > Full overlay application achieved with 2 versions of hinges: full overlay plus 24–13.5 mm (15/16"–17/32"), overlay 19–11.5 mm (3/4"–7/16")
 - 3 dimensional adjustment
 - Side adjustment: ± 2 mm (3/32") with overturn stop
 - Depth adjustment: -2/+3 mm (-3/32"/+1/8") with self-locking worm gear
 - Height adjustment: ± 2.5 mm (1/8") depending on mounting plate
- > Meets and exceeds ANSI/BHMA 156.9 Standard



Adjustment facility of soft close - 3 settings



For large and heavy doors

The damping effect is increased by turning the adjustment lever to the right by 90°



For standard doors

Adjustment lever in the horizontal position - factory setting

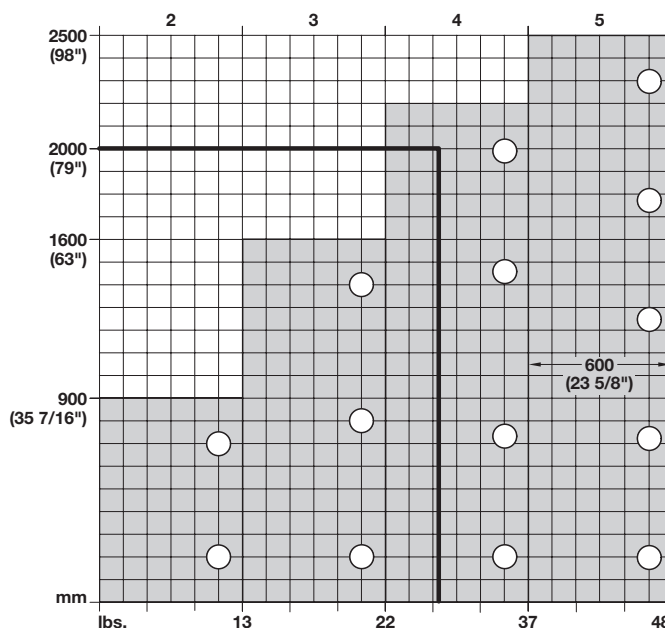


For small and lightweight doors

A softer damping effect is achieved by turning the adjustment lever to the left by 90°

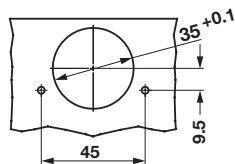
Number of concealed hinges per door

- > The number of concealed hinges per door depends on: Door width, height, weight and material
- > The values in the diagram are sample measurements and refer to standard door width: 600 mm (23 5/8").
- > If in doubt, determine the number of hinges by trial mounting.
- > According to the example diagram, four concealed hinges should be mounted with a door height: 2 m (6' 6 3/4") x 600 mm (23 5/8") and a door weight: 13 kg (29 lbs.).

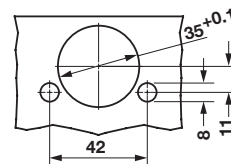


Cup attachments (45 mm spread):

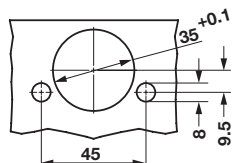
Screw-on



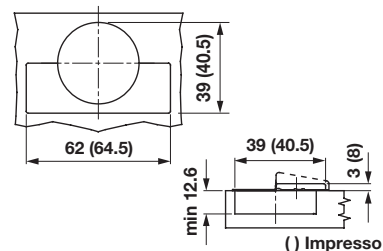
Impresso



Dowel



Cup dimensions

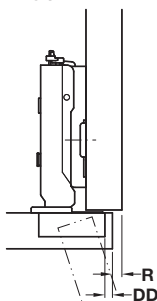


Grass TIOMOS

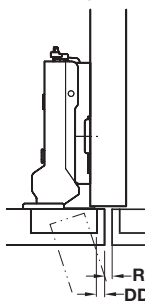


> The reveal (R) is the distance required between the door and the side wall or between 2 doors to allow sufficient space for opening the door. The required reveal (R) depends on the door thickness.

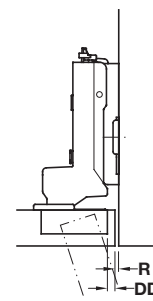
Full overlay plus/full overlay mounting



Half overlay/twin mounting



Inset mounting



Minimum Reveal

110°

Door thickness	Distance to cup DD				
	3	4	5	6	7
16 (5/8")	.6	.6	.6	.6	.6
17 (11/16")	.6	.6	.6	.6	.6
18 (23/32")	.7	.7	.7	.7	.7
19 (3/4")	.9	.9	.9	.9	.9
20 (25/32")	1.1	1.1	1.1	1.1	1.1
21 (13/16")	1.4	1.3	1.3	1.3	1.3
22 (7/8")	1.6	1.6	1.6	1.5	1.5
24 (15/16")	2.4	2.1	2.1	2.1	2
Minimum reveal R					

120°

Door thickness	Distance to cup DD				
	3	4	5	6	7
16 (5/8")	.6	.6	.6	.6	.6
17 (11/16")	.6	.6	.6	.6	.6
18 (23/32")	.7	.7	.7	.7	.7
19 (3/4")	.9	.9	.9	.9	.9
20 (25/32")	1.1	1.1	1.1	1.1	1.1
21 (13/16")	1.4	1.3	1.3	1.3	1.3
22 (7/8")	3	2	1.5	1.5	1.5
24 (15/16")	6.4	5.4	4.4	3.4	2.4
Minimum reveal R					

30°/45° angle hinge

Door thickness	Distance to cup DD				
	3	4	5	6	7
16 (5/8")	.6	.6	.6	.6	.6
17 (11/16")	.6	.6	.6	.6	.6
18 (23/32")	.7	.7	.7	.7	.7
19 (3/4")	.9	.9	.9	.9	.9
20 (25/32")	1.1	1.1	1.1	1.1	1.1
21 (13/16")	1.4	1.3	1.3	1.3	1.3
22 (7/8")	1.6	1.6	1.6	1.5	1.5
24 (15/16")	2.4	2.1	2.1	2.1	2
Minimum reveal R					

Note

Minimum gap for doors with radius edges (r = 1 mm (1/32")) with factory setting.

155°

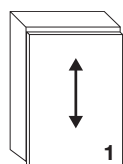
Door thickness	Distance to cup DD						
	3	4	5	6	7	8	9
29 (1 1/8")	.2	.2	.2	.2	.2	.2*	.2*
30 (1 3/16")	.2	.2	.2*	.2*	.2*		
31 (1 7/32")	.2*	.2*	.2*	.2*			
32 (1 1/4")	.2*	.2*					
	Minimum reveal R						

Note

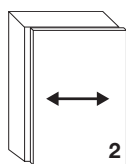
Minimum reveal R: A minimum gap is not required for door thickness: 16–28 mm (5/8"–1 3/32"). We recommend trial mounting for door thickness: 29 mm (1 1/8") and above. 29–32 mm (1 1/8"–1 1/4") *require reduction clip.

9

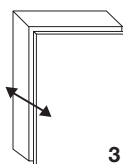
Hinges and Stays



1
Height adjustment
+/-2 mm



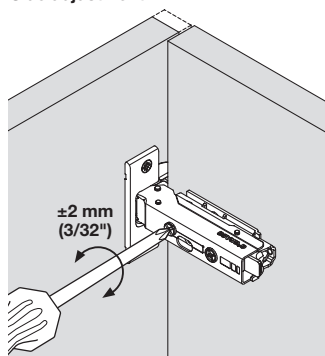
2
Side adjustment
+/-2 mm



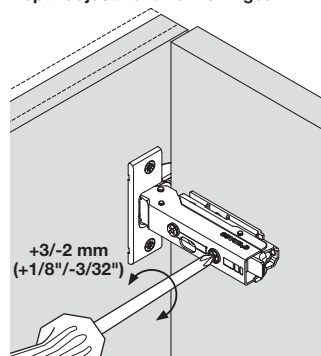
3
Depth adjustment
+3/-2 mm

All adjustments can be carried out independently of each other

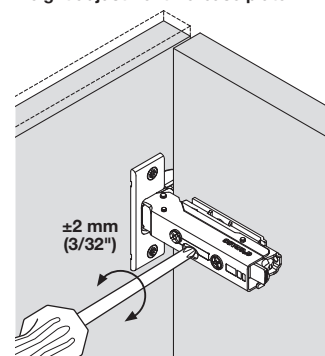
Side adjustment



Depth adjustment via worm gear



Height adjustment via base plate



Note

Use Pozzi drive screwdriver.

Dimensional data not binding. Dimensions in mm, inches are approximate. We reserve the right to alter specifications without notice.

Grass TIOMOS



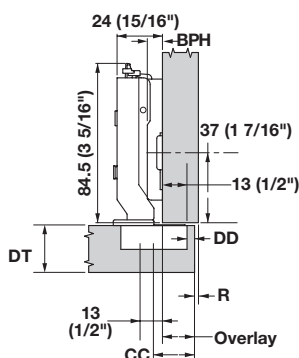
- > For thick doors
- > Soft close or self-close
- > Full overlay plus accommodates overlays: max. 22 mm (7/8")
- > Optimal reveal for door thickness: max. 36 mm (1 7/16")
- > Screw, dowel or Impresso mounted
- > Material: Steel; Finish: nickel-plated

Note

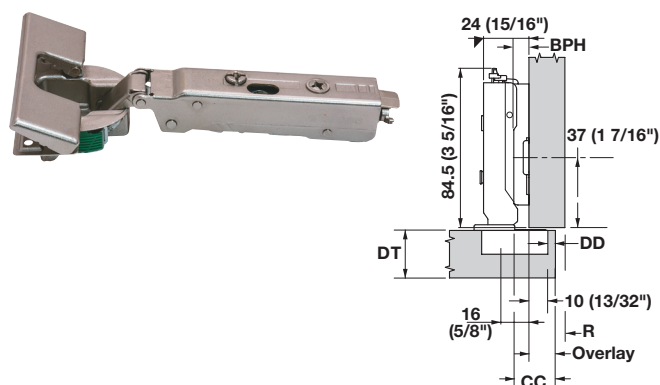
Dimensions in drawings and tables are calculated using factory settings and for mounting plate height 2 mm (3/32").

Opening angle: **95°**

→ Full Overlay Plus



→ Overlay



Closing	Hinge arm	Screw	Dowel	Impresso
soft close		348.34.800	348.34.810	348.34.730
self-close		348.34.600	348.34.610	-

Door overlay	15	16	17	18	19	20	21	22*
0 baseplate				3	4	5	6	7
2 baseplate		3	4	5	6	7		

DD - cup drilling distance

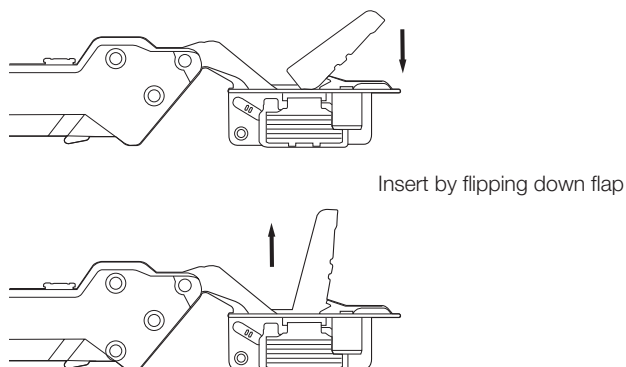
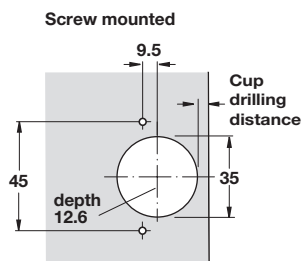
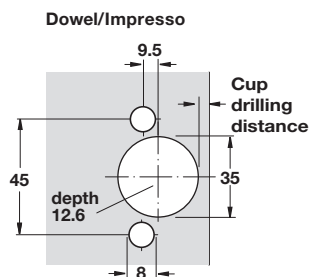
Closing	Hinge arm	Screw	Dowel	Impresso
soft close		348.34.801	348.34.811	348.34.731
self-close		348.34.601	348.34.611	-

Door overlay	12	13	14	15	16	17	18	19
0 baseplate				3	4	5	6	7
2 baseplate		3	4	5	6	7		

DD - cup drilling distance

Note

Door overlay over 24 mm (15/16") is possible, with side adjustment by ± 2 mm ($\pm 3/32$ ").



Insert by flipping down flap

Grass TIOMOS



- > For thick doors
- > Soft close or self-close
- > Accommodates overlays: max. 22 mm (7/8")
- > Optimal reveal door thickness: max. 36 mm (1 7/16")
- > Screw, dowel or Impresso mounted
- > Material: Steel; Finish: nickel-plated

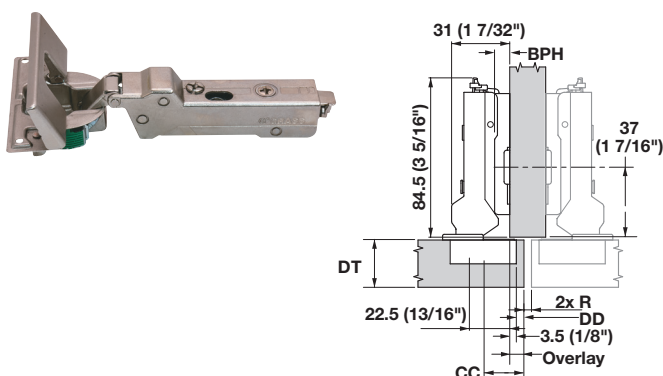
Note

Dimensions in drawings and tables are calculated using factory settings and for mounting plate height 2 mm (3/32").

Opening angle: **95°**



→ Half Overlay

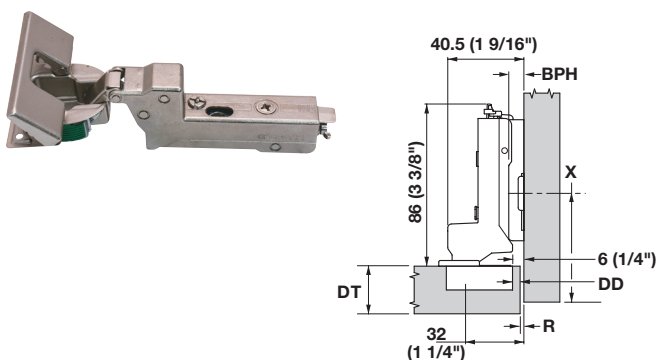


Closing	Hinge arm	Screw	Dowel
soft close		348.34.802	348.34.812
self-close		-	348.34.612

Door overlay	5.5	6.5	7.5	8.5	9.5	10.5	11.5	12.5
0 baseplate				3	4	5	6	7
2 baseplate		3	4	5	6	7		

DD - cup drilling distance

→ Inset



Closing	Hinge arm	Screw	Dowel
soft close		348.34.803	348.34.813

Door overlay	-4	-3	-2	-1	0
0 baseplate				3	4
2 baseplate		3	4	5	6

DD - cup drilling distance

Grass TIOMOS

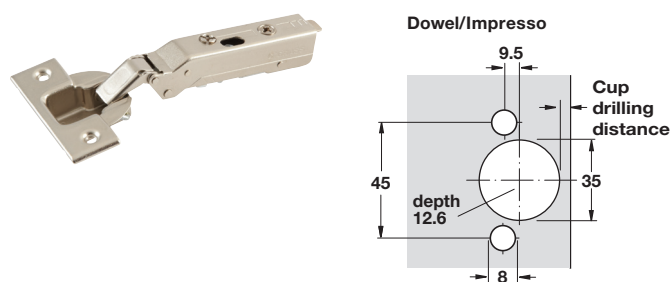


- > Accommodates overlays: max. 24 mm (15/16")
- > Optimal reveal door thickness: max. 24 mm (1 7/16")
- > Soft close or self-close
- > 3 soft close settings, invisibly integrated in hinge arm
- > Screw, dowel or Impresso mounted
- > Adjustments:
 - Side: ± 2 mm (3/32")
 - Depth: $-2/+3$ mm (-3/32" + 1/8")
 - Height: ± 2.5 mm (3/32") depending on the mounting plate
- > Material: Steel; Finish: nickel-plated

Note

Dimensions in drawings and tables are calculated using factory settings and for mounting plate height 2 mm (3/32").

→ Full Overlay Plus



- > For large door overlay: max. 24 mm (15/16")

Closing	Hinge arm	Screw	Dowel	Impresso
soft close		348.31.800	348.31.810	348.31.730
self-close		348.31.600	348.31.610	348.31.530

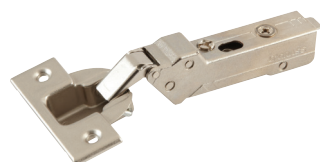
Door overlay	15	16	17	18	19	20	21	22*
0 baseplate				3	4	5	6	7
2 baseplate		3	4	5	6	7		

DD - cup drilling distance

Note

Door overlay over 24 mm (15/16") possible, with side adjustment by ± 2 mm (3/32").

→ Half Overlay/Twin



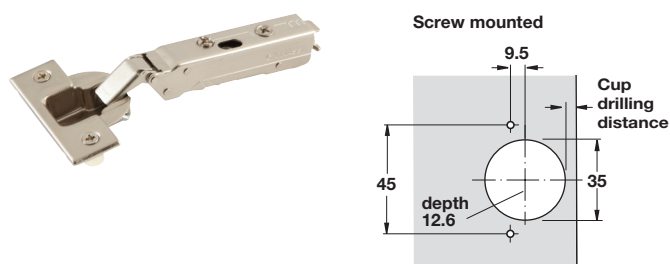
Closing	Hinge arm	Screw	Dowel	Impresso
soft close		348.31.802	348.31.812	348.31.732
self-close		348.31.602	348.31.612	348.31.532

Door overlay	5.5	6.5	7.5	8.5	9.5	10.5	11.5	12.5
0 baseplate				3	4	5	6	7
2 baseplate		3	4	5	6	7		

DD - cup drilling distance

soft&silent))) Opening angle: **110°**

→ Overlay



Closing	Hinge arm	Screw	Dowel	Impresso
soft close		348.31.801	348.31.811	348.31.731
self-close		348.31.601	348.31.611	348.31.531

Door overlay	12	13	14	15	16	17	18	19
0 baseplate				3	4	5	6	7
2 baseplate		3	4	5	6	7		

DD - cup drilling distance

→ Inset



Closing	Hinge arm	Screw	Dowel	Impresso
soft close		348.31.803	348.31.813	348.31.733
self-close		348.31.603	348.31.613	348.31.533

Door overlay	-4	-3	-2	-1	0
0 baseplate				3	4
2 baseplate		3	4	5	6

DD - cup drilling distance

Grass TIOMOS

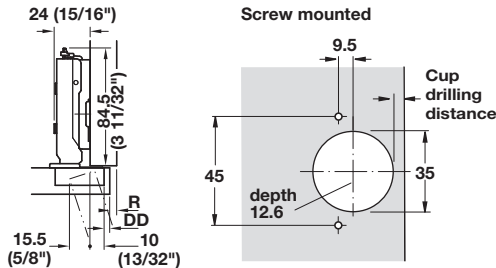


- > Soft close or self-close
- > 3 soft close settings, invisibly integrated in hinge arm
- > The only 120° hinge with integrated soft close
- > Material: Steel; Finish: nickel-plated

Note
Dimensions in drawings and tables are calculated using factory settings and for mounting plate height 2 mm (3/32").

soft&silent))) Opening angle: **120°**

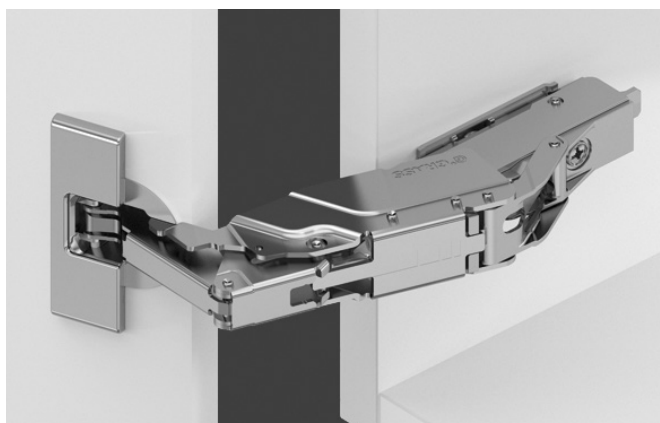
→ Overlay



Closing	Hinge arm	Screw		Dowel		Impresso		
soft close		-		348.36.811		348.36.731		
self-close		348.36.601		348.36.611		348.36.531		
Door overlay	12	13	14	15	16	17	18	19
0 baseplate				3	4	5	6	7
2 baseplate		3	4	5	6	7		

DD - cup drilling distance

Grass TIOMOS



- > Soft close or self-close
- > Screw, dowel or Impresso mounted
- > Shallow cup drilling depth: 10 mm (13/32")
- > Accommodates overlays: max. 25.4 mm (1")
- > For large door overlay: max. 24 mm (15/16")
- > Door thickness: max. 32 mm (1 1/4") (for door thickness over 29 mm (1 1/8"), a trial fitting is recommended)
- > Material: Steel; Finish: nickel-plated

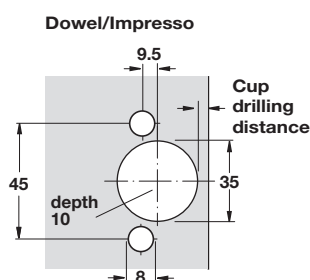
Note

Dimensions in drawings and tables are calculated using factory settings and for mounting plate height 2 mm (3/32").

soft&silent)))

Opening angle: **155°**

→ Full Overlay Plus/Inset



- > For mitre use full overlay plus with 19 mm plate
- > For 3/8" lipped use full overlay plus with 21 mm plate and 120° reduction clip

Closing	Hinge arm	Screw	Dowel	Impresso
soft-close		348.32.800	348.32.810	348.32.730
self-close		348.32.600	348.32.610	-

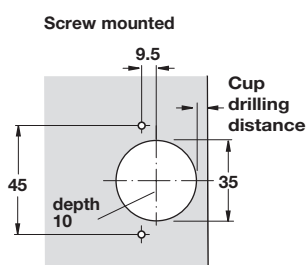
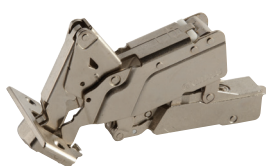
Door overlay	15	16	17	18	19	20	21	22	23	24	25
0 baseplate				3	4	5	6	7	8	9	10
2 baseplate		3	4	5	6	7	8	9	10		

DD - cup drilling distance

Note

For inset mounting use 21 mm (13/16") mounting plate. Set mounting plate back by door thickness + 1.5 mm (1/16").

→ Overlay



Note

Zero protrusion when door is opened to 90° with overlay hinge and 3 mm (1/8") plate.

Closing	Hinge arm	Screw	Dowel	Impresso
soft-close		348.32.801	348.32.811	348.32.731
self-close		348.32.601	348.32.611	348.32.531

Door overlay	12	13	14	15	16	17	18	19	20	21	22
0 baseplate				3	4	5	6	7	8	9	10
2 baseplate		3	4	5	6	7	8	9	10		

DD - cup drilling distance

→ Half Overlay



Closing	Hinge arm	Screw	Dowel	Impresso
soft-close		348.32.802	348.32.812	-
self-close		348.32.602	348.32.612	348.32.532

Door overlay	5.5	6.5	7.5	8.5	9.5	10.5	11.5	12.5	13.5	14.5	15.5
0 baseplate				3	4	5	6	7	8	9	10
2 baseplate		3	4	5	6	7	8	9	10		

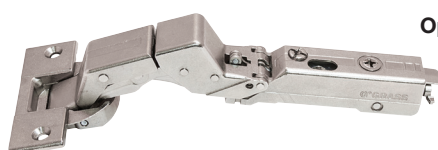
DD - cup drilling distance

Grass TIOMOS



- > Mitre and rabbeted doors possible
- > Material: Steel/Zinc

→ TIOMOS M9



Opening angle: **110°**

- > Soft close
- > Door thickness: 12–28 mm (15/32"–1 1/8")
- > Shallow cup drilling depth: 9 mm (11/32")
- > Accommodates overlays: max. 25 mm (31/32")
- > Screw mounted

Finish

nickel-plated

Item No.

348.24.801

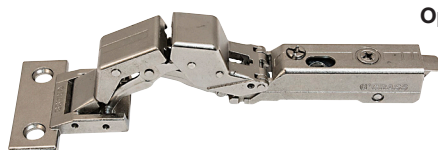
→ Opening Angle Reduction Clip to 85°, optional



Item No.

348.40.013

→ TIOMOS M0



Opening angle: **125°**

- > Without cup drilling
- > Ideal for thin doors 6–10 mm (1/4"–13/32") made from HPL, MDF, mineral material and solid surfaces
- > No protrusion with overlay: max. 14 mm (9/16")
- > With integrated, adjustable soft closing mechanism with 3 settings
- > Door overlay: max. 25.4 (1")

Finish

nickel-plated

Item No.

348.23.801

Grass TIOMOS



- > With full-cup drill hole
- > For connecting two folding doors
- > Door thickness: 14–24 mm (9/16"–15/16")
- > Only available in self-close
- > 3-dimensional adjustment with appropriate mounting plate
- > Use with Tiomos 155° wide angle hinge
- > Material: Zinc/Steel; Finish: nickel-plated

Note

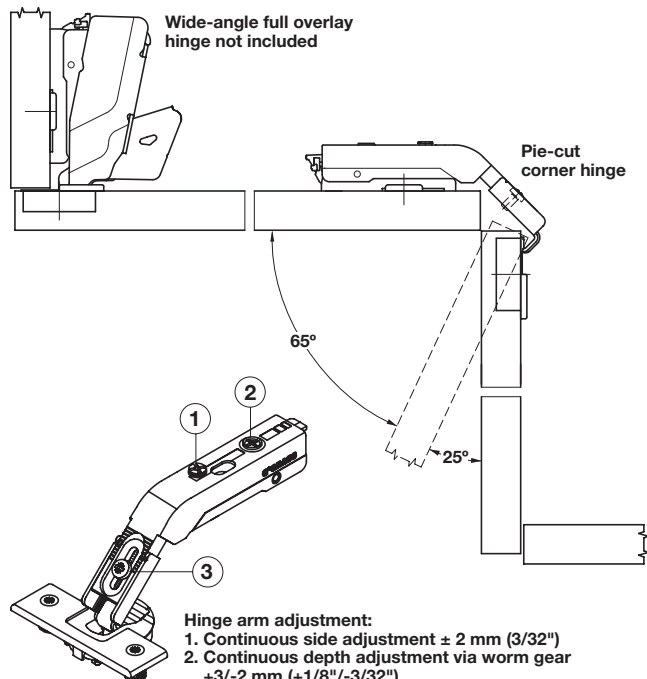
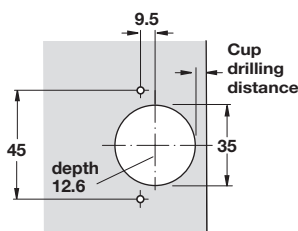
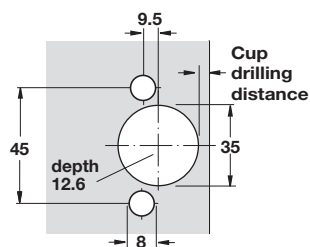
Dimensions in drawings and tables are calculated using factory settings and for mounting plate distance 0 mm.

→ PCC Pie-Cut Corner Hinge



Dowel/Impresso

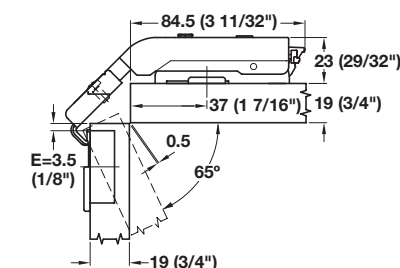
Screw mounted



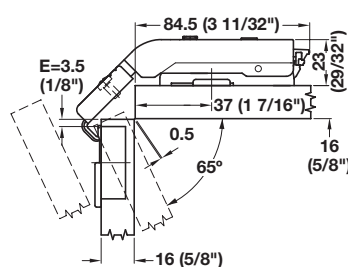
- Hinge arm adjustment:
1. Continuous side adjustment ± 2 mm (3/32")
 2. Continuous depth adjustment via worm gear $+3/-2$ mm (+1/8"–3/32")
 3. Door thickness 14–24 mm (9/16"–15/16") (factory setting 19 mm (3/4"))

Mounting	Item No.
screw	348.29.600
dowel	348.29.650

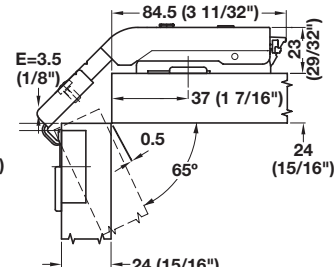
E = Distance to cup



19 mm (3/4") door thickness
Mounting plate height 0 mm



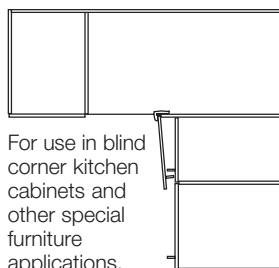
16 mm (5/8") door thickness
Mounting plate height 0 mm



24 mm (15/16") door thickness
Mounting plate height 0 mm

Mounting plates and cover caps	pages 9.62–9.64
Flat head screws	pages 13.7–13.8, 13.10, 13.13

Grass TIOMOS Blind Corner Hinges



For use in blind corner kitchen cabinets and other special furniture applications.

- > For blind corner applications
- > Soft close or self-close
- > Door thickness: max. 24 mm (15/16")
- > Material: Steel; Hinge arm: Zinc; Finish: nickel-plated

Note

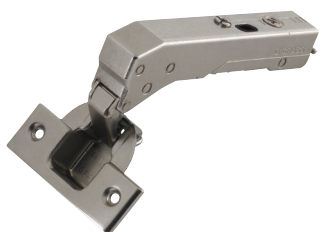
Dimensions in drawings and tables are calculated using factory settings and for mounting plate height 3 mm (1/8"). For door thickness over 24 mm (15/16"), a trial mounting is recommended.

soft&silent)))

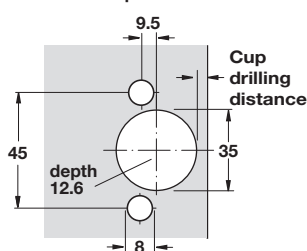
Opening angle: **110°**



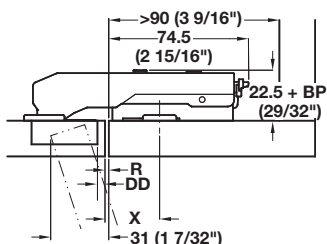
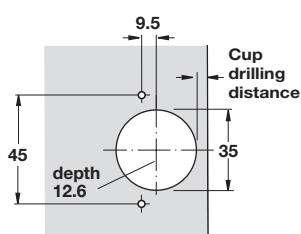
→ Inset



Dowel/Impresso



Screw mounted



Inset shows a 3 mm (1/8") plate

Closing		Screw	Dowel	Impresso
soft close		348.37.800	348.37.810	348.37.730
self-close		348.37.600	348.37.610	348.37.530

Table for cross plate

Dim X	Drilling distance DD			
	4	5	6	7
28	1	0		
27	2	1	0	
26	3	2	1	0

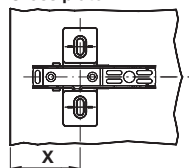
Door reveal **R**

Table for inline plate

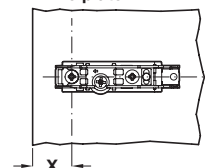
Dim X	Drilling distance DD			
	4	5	6	7
11	1	0		
10	2	1	0	
9	3	2	1	0

Door reveal **R**

Cross plate

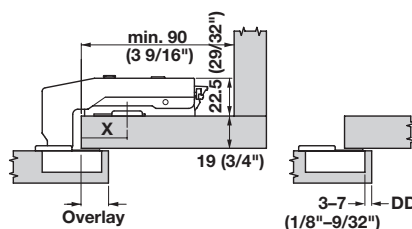
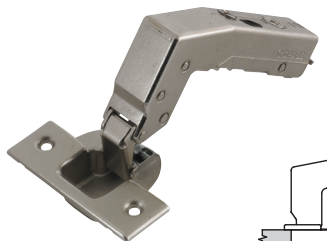


Inline plate



9

→ Overlay



Overlay shows a Ø mm height plate

Closing		Screw	Dowel
soft close		348.37.820	348.37.830
self-close		-	348.37.630

Dim X	Drilling distance DD				
	3	4	5	6	7
30	18	19	20	21	22
29	17	18	19	20	21
28	16	17	18	19	20
27	15	16	17	18	19
26	14	15	16	17	18

Door overlay

Dim X	Drilling distance DD				
	3	4	5	6	7
13	18	19	20	21	22
12	17	18	19	20	21
11	16	17	18	19	20
10	15	16	17	18	19
9	14	15	16	17	18

Door overlay

Mounting plates and cover caps

pages 9.62-9.64

Flat head screws

pages 13.7-13.8, 13.10, 13.13

Dimensional data not binding. Dimensions in mm, inches are approximate. We reserve the right to alter specifications without notice.

Grass TIOMOS +45° Corner Hinge



- > For corner applications
- > Door thickness: max. 24 mm (15/16")
- > Material: Steel; Hinge Arm: Zinc; Finish: nickel-plated

Note

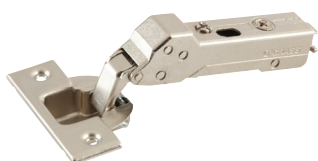
For door thickness over 22 mm (7/8"). A trial mounting is recommended.

soft&silent)))

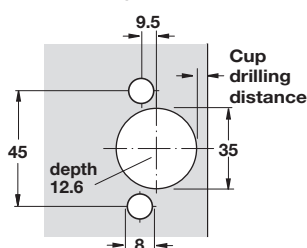
Opening angle: **110°**



→ Overlay



Dowel/Impresso



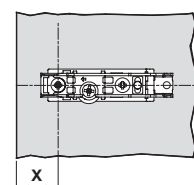
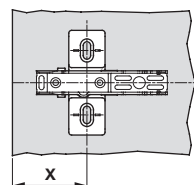
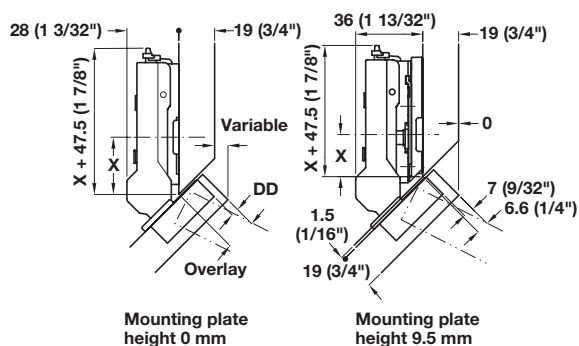
Closing	Screw	Dowel
soft close	348.35.805	-
self-close	-	348.35.615

Table for Cross Plate

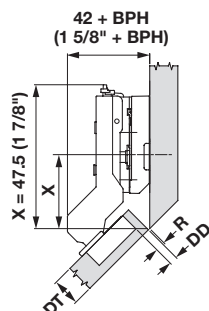
Dim X	Baseplate height
30.5	0
28.5	2
27.5	3

Table for Inline Plate

Dim X	Baseplate height
13.5	0
11.5	2
10.5	3



→ Inset



- > Impresso mounted

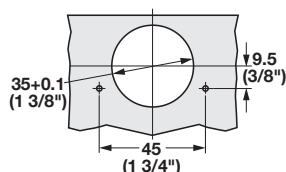
Closing	Item No.
soft close	348.35.817
self-close	348.35.530

Grass TIOMOS Tipmatic Plus



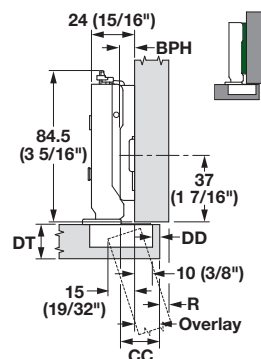
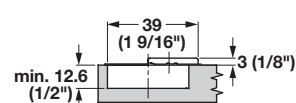
- > For pull-free doors
- > Works with Tipmatic Pin System
- > Integrated spring in arm assists Tipmatic Pin
- > Screw mounted
- > Material: Steel; Finish: nickel-plated

Drilling Pattern



Opening angle: **110°**

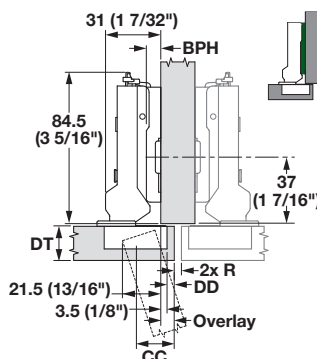
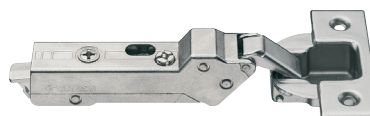
Cup Dimensions



Full Overlay

	Drilling distance				
	3	4	5	6	7
19					0
18				0	
17			0		2
16.5					
16		0		2	3
15.5					3.5
15	0		2	3	
14.5				3.5	
14		2	3		
13.5			3.5		
13	2	3			
12.5		3.5			
12	3				
11.5	3.5	Base plate height			

Note
Drawing shows Tiomos with a 2 mm base plate.



Half Overlay

	Drilling distance				
	3	4	5	6	7
12.5					0
11.5				0	
10.5			0		2
10					
9.5		0		2	3
9					3.5
8.5	0		2	3	
8				3.5	
7.5		2	3		
7			3.5		
6.5	2	3			
6		3.5			
5.5	3				
5	3.5	Base plate height			

Note
Drawing shows Tiomos with a 2 mm base plate.

> Full overlay

Item No.
348.31.101

> Half overlay

Item No.
348.31.102

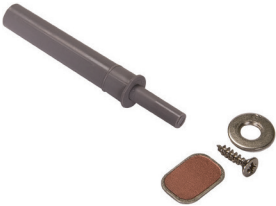
Pin and adapter plates	page 9.61
Flat head screws	pages 13.7-13.8, 13.10, 13.13

Dimensional data not binding. Dimensions in mm, inches are approximate. We reserve the right to alter specifications without notice.

Grass TIOMOS Tipmatic Pin



- > Gently tapping the front allows the door to open at a convenient angle
- > Large magnet catch range holds door closed securely
- > Gap adjustment: 2.5–5.5 mm (1/8"–3/16") with integrated, self-locking and tool-free depth adjustment feature
- > Mount on the front side of the cabinet or with an adapter plate
- > Use with Tiomos Tipmatic Plus or free-swinging hinges
- > Material: Plastic; Color: platinum gray, RAL 7035



- > Hole drilled from the front

Item No.

356.03.520

Supplied With

Stick-on and screw-on strike plates

→ Adapter Plate



- > Face frame or standard
- > Quick upgrade installation
- > Attach with 3.5 x 13 mm wood screws

Item No.

356.13.520

→ Liner Adapter Plate



- > Design solution, also suitable for inset doors
- > Attach with 3.5 x 13 mm wood screws

Item No.

356.13.530

→ Wood Screw



- > #6 x 5/8"
- > Material: Steel

Finish

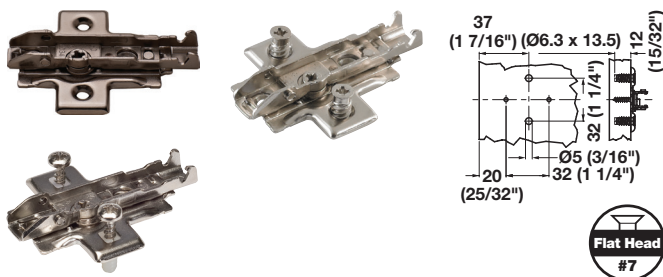
nickel-plated

Item No.

015.55.648

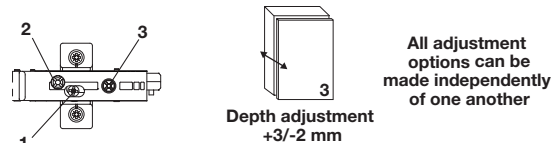
Dimensional data not binding. Dimensions in mm, inches are approximate. We reserve the right to alter specifications without notice.

Grass TIOMOS Wing Baseplates

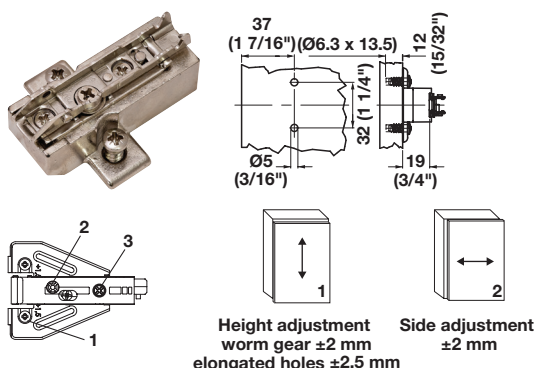


- > 4 point fixing
- > Height adjustment with worm gear
- > Material: Steel; Finish: nickel-plated

Height	Wood screw	Pre-mounted Euro	5 mm Dowels
0	348.38.511	348.38.521	348.38.680
2	348.38.512	348.38.522	348.38.682
3	348.38.513	348.38.523	348.38.683
3.5	-	348.38.524	-

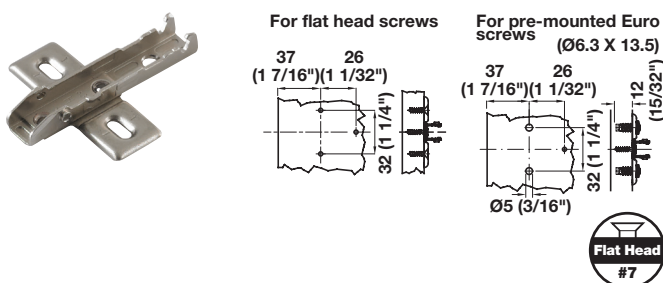


All adjustment
options can be
made independently
of one another



- > 2 point fixing
- > Pre-mounted euro screws
- > Height adjustment with worm gear
- > Material: Steel/Zinc; Finish: nickel-plated

Height	Item No.
6	348.39.501
9.5	348.39.505
12	348.39.504
15	348.39.507
19	348.39.508
21	348.39.509



- > 3 point fixing
- > Height adjustment with elongated holes
- > Material: Steel; Finish: nickel-plated

Height	Wood screw	Pre-mounted Euro
0	348.38.612	348.38.551
2	348.38.613	-
3	348.38.583	-

Grass TIOMOS

→ Face Frame Adapter Baseplates

worm gear



elongated holes

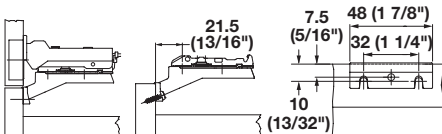
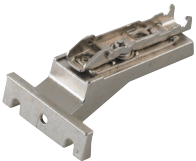


9.5 (3/8")



- > 2 point fixing
- > Height adjustment with worm gear or elongated holes
- > Material: Steel; Finish: nickel-plated

Height	Worm gear	Elongated holes
1.5	348.38.576	348.38.641
3.5	348.38.577	-
4.5	348.38.578	-
5	348.38.575	-

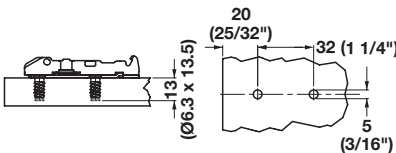


- > 3 point fixing
- > Height adjustment with worm gear
- > Material: Steel; Finish: nickel-plated

Height	Item No.
0	348.38.660

Note
Requires a 9.5 mm crank hinge (half-overlay).

→ Straight Baseplates



- > 2 point fixing
- > Height adjustment with worm gear
- > Material: Steel; Finish: nickel-plated

Height	Wood screw	Pre-mounted Euro
0	348.38.501	348.38.630
2	348.38.502	-
3	-	348.38.633

Dimensional data not binding. Dimensions in mm, inches are approximate. We reserve the right to alter specifications without notice.

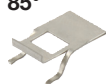
Grass Accessories

→ Reduction Clips

120°



85°



> Prevents the door from butting against front panels or walls with corner mounting

Opening angle	Material/Color	Item No.
85°	Steel/nickel-plated	348.40.010
120°	Plastic/black	348.40.011

→ Cover Caps

for hinge arm



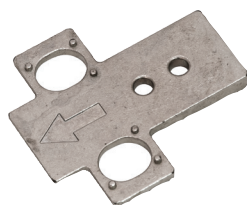
for hinge cup



> Material: Steel; Finish: nickel-plated

Version	Item No.
hinge arm (all overlays)	348.40.000
hinge cup	348.40.001

→ Spacer Wedges



> Material: Zinc; Finish: nickel-plated

Degree	Item No.
+5°	348.40.020
-5°	348.40.021

→ Hinge Clip Protector



> Prevents unintentional release of the hinge
> Material: Plastic

Color	Item No.
gray	348.40.015

→ Replacement Dowel



Item No.
348.40.081

→ Replacement Wood Screw



> #6 x 5/8"
> Material: Steel

Item No.
015.55.648

Grass Hinge Machines

→ Grass Pro I



- > Drilling and insertion machine for boring pattern: 45 mm (1 3/4")
- > Bore depth automatically adjusts to material thickness
- > Functional design; Easy, fast and efficient operation
- > Easy maintenance

→ Drill Bit Kit



Model	Item No.
00213-01	001.97.510

Supplied With
2 8 mm LH bits
1 35 mm RH bit

> Pneumatic drilling/insertion machine

Version	Model	Item No.
220V single phase	94559-01	001.97.077
110V	94561-01	001.97.079

Supplied With

3 Spindle drilling head with quick-change chucks
Combined stop and ruler length: 600 mm (23 5/8")
Wood supporting table 600 x 400 mm (23 5/8" x 15 3/4")
Insertion die arm to hold the insertion die
Hex keys, open-jaw wrenches, 10, 13 and 17 mm (13/32", 1/2" and 11/16")
Side stop left and right
Operating manual

→ Drill Bits, optional



> Material: Carbide

Version	Item No.
8 x 57 LH	001.06.870
8 x 57 RH	001.08.013

→ Short Fence Stop, optional



Item No.
001.97.027

→ Universal Die for Tiomos Hinges, optional



> 110°/120°/160°

Model	Item No.
80039	348.40.161

→ TEC Insertion Die, optional



Model	Item No.
92617	348.91.000

→ Extension Fence, optional



> 400–1650 mm (15 3/4"–64 8/32")

Item No.
001.97.120

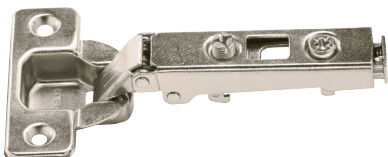
Note

All machines must be ordered via local Hafele representative.

Clip-on Hinge

Which hinge type? Given the factors:

- > What is the desired opening angle?
- > Is there a face frame?
- > If not, what is the side panel thickness?
- > Door thickness, size and weight
- > How will the hinge be mounted to the door (screw mount or press fit)?
- > Mounting plate thickness
- > Tab
- > Self-close or soft close



Use the following formula to determine overlay:

Hinge type - mounting plate type + tab = overlay

Sample Calculations

Hinge type 14

Side panel mounting for overlay doors.

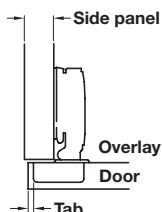
Hinge type 4

Center panel/twin mounting for overlay doors.

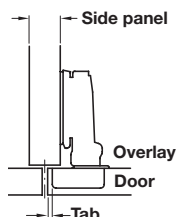
Hinge type -4

Side panel mounting for inset doors.

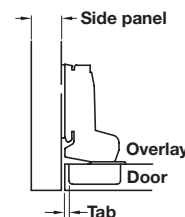
(A) Full Overlay



(B) Half Overlay



(C) Inset



(for twin mounting)

16 mm (5/8") material	Hinge type	Mounting plate	Tab	Total overlay
full overlay (A)	14	- 0	+ 4	= 16
half overlay (B)	4	- 0	+ 4	= 8
inset (C)	-4	- 2	+ 4	= -2 (2 mm gap)

19 mm (3/4") material	Hinge type	Mounting plate	Tab	Total overlay
full overlay (A)	14	- 0	+ 6	= 18
half overlay (B)	4	- 0	+ 6	= 10
inset (C)	-4	- 4	+ 6	= -2 (2 mm gap)

If there is no mounting plate with the required height, then the tab or side adjustment must be altered.

The hinge arm can be adjusted to decrease the overlay up to 3 mm (1/8") or to increase the overlay 1 mm (1/32").

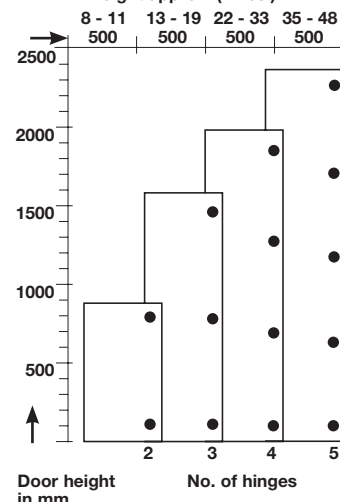
How many hinges per door?

There is no hard and fast rule which applies. When determining the number of hinges needed, the main factors to consider are door size and weight. A trial mounting is advisable in case of any doubt, such as with doors supporting mirrors, or unusually wide doors. Avoid disproportionate door width/weight ratios. Use this table for standard, conventional material doors. When in doubt, always allow for an extra hinge.

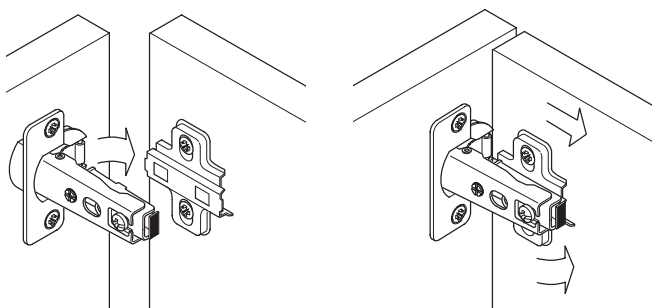
- > For commercial and heavy-duty applications, see Häfele's Aximat® hinge
- > Use a Pozi drive #2 screwdriver for adjusting all hinges
- > Keep hinges as close to top and bottom of door as possible

Door width (mm)

Weight approx. (in lbs.)

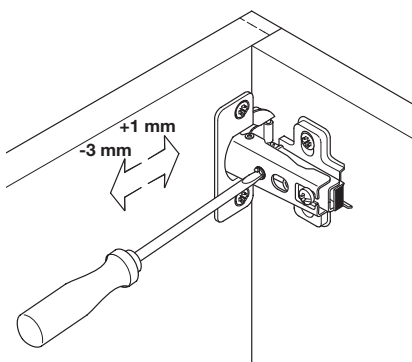


Clip-on Hinges

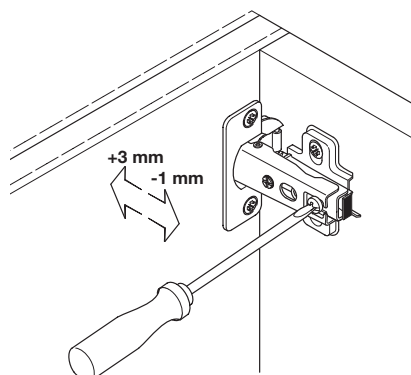


- > All-metal
- > Durable pivot bearing
- > Cup designed for automated insertion
- > Self-closing or soft closing with oil damper in arm
- > Three-way adjustable

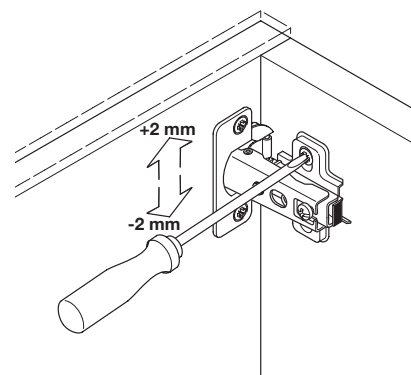
Adjustments



Horizontal
with screw
Adjustment: 5 mm (3/16")



In-and-Out
loosen the hinge arm mounting screw
(110°) or via cam adjustment (165°)
Adjustment: 4 mm (5/32")



Vertical
with slots in the mounting plate or via cam
adjustment
Adjustment: +/-2 mm (1/16")

→ Euro Jig Concealed Hinge Installation Tool



- > Works for overlay and inset positioning
- > Installs 35 mm hinge plates for door height: max. 1270 mm (50")
- > Material: Aluminum/Polycarbonate/Steel

Item No.
001.34.210

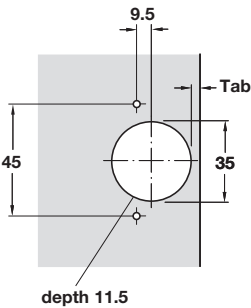
Note
Order euro bit self-centering tool separately.

Dimensional data not binding. Dimensions in mm, inches are approximate. We reserve the right to alter specifications without notice.

Clip-on Hinges

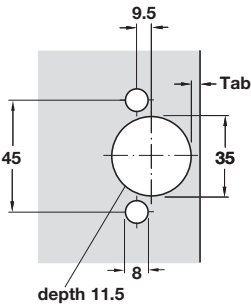
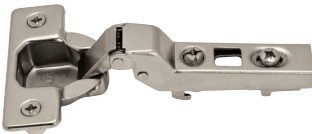
Opening angle: **110°**

- > Door thickness: 14–20 mm (9/16"–25/32")
- > Side panel thickness: min. 16 mm (5/8")
- > Self-close or soft close
- > Tab: 3–7 mm (1/8"–9/32")
- > Material: Steel; Finish: nickel-plated



> Screw mounted

Mounting	Hinge arm	Hinge type	Self-close	Soft close
full		14	315.03.500	315.00.703
half		4	315.03.501	315.00.704
inset		-4	315.03.502	315.00.705



> Press fit, 45/9.5 hole pattern

Mounting	Hinge arm	Hinge type	Self-close	Soft close
full		14	315.03.510	315.00.713
half		4	315.03.511	315.00.714
inset		-4	315.03.512	315.00.715

Full overlay mounting
 $H=14+K-D$

D \ K \ H	3	4	5	6	7
0	17	18	19	20	21
2	15	16	17	18	19
4	13	14	15	16	17

Half overlay mounting/twin mounting
 $H=4+K-D$

D \ K \ H	3	4	5	6	7
0	7	8	9	10	11
2	5	6	7	8	9
4	3	4	5	6	7

Inset mounting
 $H=4+K+D$

D \ K \ H	3	4	5	6	7
0	1	0	-1	-2	-3
2	3	2	1	0	-1
4	5	4	3	2	1

→ Cover Cap



> Material: Steel

Finish	Item No.
nickel-plated	313.21.510

Clip-on Wide Angle Hinges

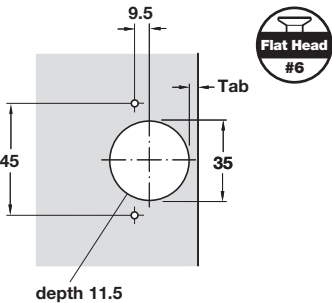
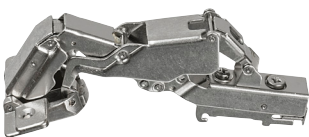
Opening angle: **165°**

- > Side panel thickness: min. 16 mm (5/8")
- > Self-close and soft close with oil damper in arm
- > Material: Steel; Finish: nickel-plated

Full overlay



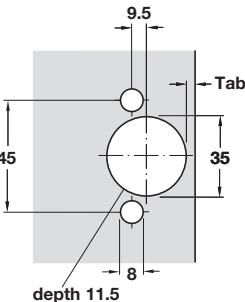
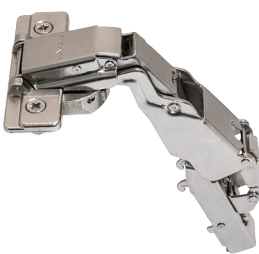
Inset mounting



- > Screw mounted
- > Door thickness: 14–26 mm (9/16"–1 1/32")
- > For inset applications: max. door thickness 19 mm (3/4")
- > Tab: 3–7 mm (1/8"–9/32")

Mounting	Hinge arm	Hinge type	Self-close	Soft close
full		14	315.02.500	315.02.700
half		4	315.04.501	315.02.701
inset		-4	315.04.502	315.02.702

Half overlay



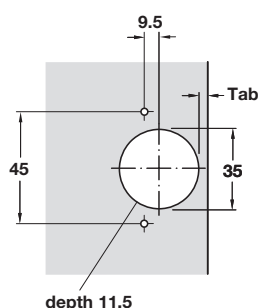
- > Press fit, 45/9.5 hole pattern
- > Self-close

Mounting	Hinge arm	Hinge type	Item No.
full		14	315.04.510
half		4	315.04.511

Dimensional data not binding. Dimensions in mm, inches are approximate. We reserve the right to alter specifications without notice.

Mounting plates	page 9.68
Flat head screws	pages 13.7-13.8, 13.10, 13.13

Blind Corner Hinges



- > Self-close or soft close with oil damper in arm
- > Screw mounted
- > Inset mounting
- > Material: Steel; Finish: nickel-plated

Closing

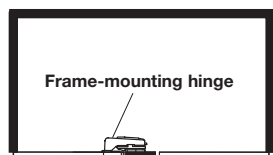
- self-close
- soft close

Item No.

- 315.05.540
- 315.01.740

Note

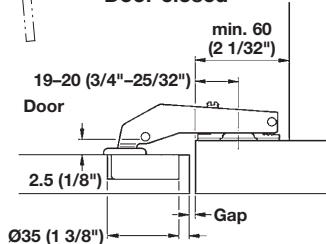
Mounting plates, see next page.



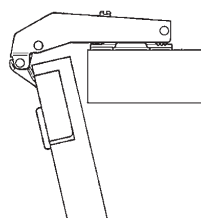
Door

Door closed

Door open



Opening angle: **92°**

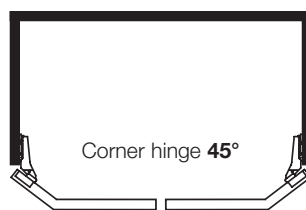


→ 45° Corner Hinges



Opening angle: **92°**

Sample installations



- > Screw mounted
- > Overlay mounting:
- > Door thickness: 14–20 mm (9/16"–25/32")
- > Tab: 4–7 mm (5/32"–9/32")
- > Hinge arm: 45° angle
- > Material: Steel; Finish: nickel-plated

Closing

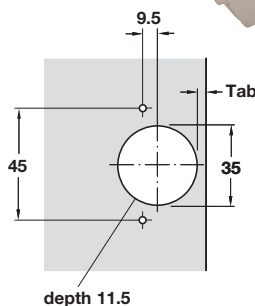
- self-close
- soft close

Item No.

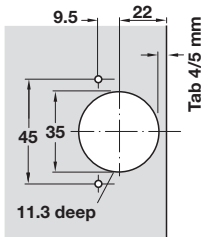
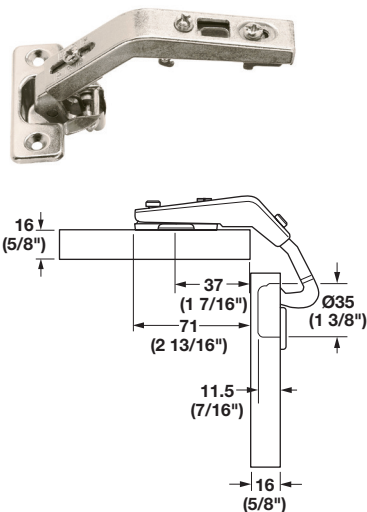
- 315.05.511
- 315.01.711

9

Hinges and Stays



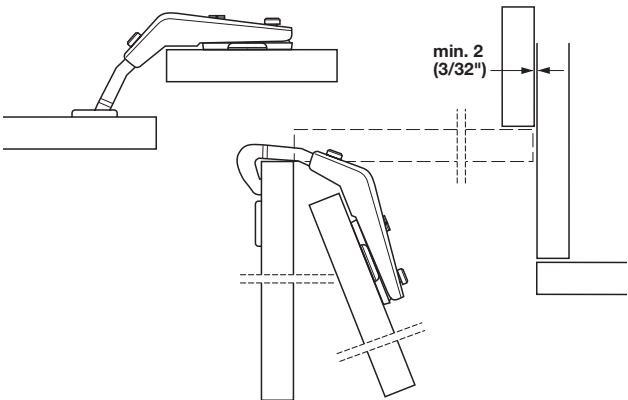
→ Pie-cut Corner Hinge



Opening angle: **60°**

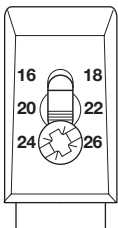
- > Door thickness: 16–20 mm (5/8"–25/32")
- > Self-close
- > Cup Ø: 35 mm (1 3/8")
- > Depth: 11.3 mm (7/16")
- > Opening angle of first door 60°
- > Tab: 4–5 mm (5/32"–3/16")
- > Material: Steel

Finish	Item No.
nickel-plated	314.52.440

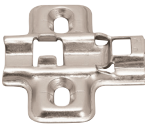


Alignment of the door corners can be made using the center adjustment screw in the arm.

The maximum space required to accommodate the hinge is 71 mm (2 13/16") with 16 mm (5/8") thick doors. With thicker doors the amount of space required is reduced.

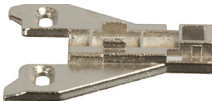


→ Mounting Plates



- > Screw mounted with wood screws
- > Material: Steel

Height	Item No.
0	315.98.520



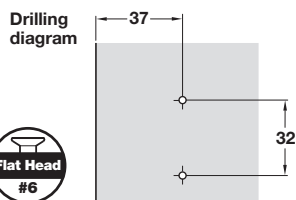
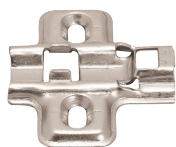
- > Screw mounted with wood screws
- > Material: Steel

Height	Item No.
0	314.60.001

Dimensional data not binding. Dimensions in mm, inches are approximate. We reserve the right to alter specifications without notice.

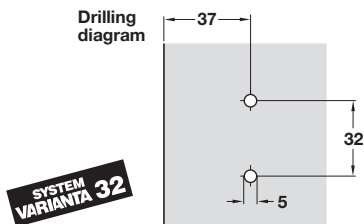
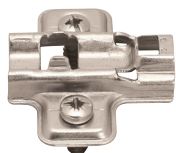
Mounting Plates

→ Flanged Mounting Plates



- > One-piece
- > Screw mounted
- > Edge spacing: 37 mm (1 1/2")
- > With vertical adjustment via slots

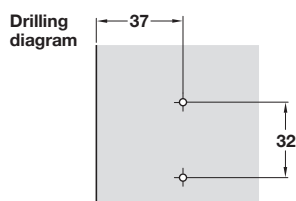
Height	Item No.
0	315.98.520
2	315.98.522
4	315.98.524



- > One-piece
- > Screw mounted in series drilled holes
- > With pre-installed euro mounting screws
- > Length: 10 mm (3/8") for single-side mounting
- > Edge spacing: 37 mm (1 1/2")
- > With vertical adjustment via slots

Height	Item No.
0	315.98.530
2	315.98.532
4	315.98.534

→ Mounting Plates

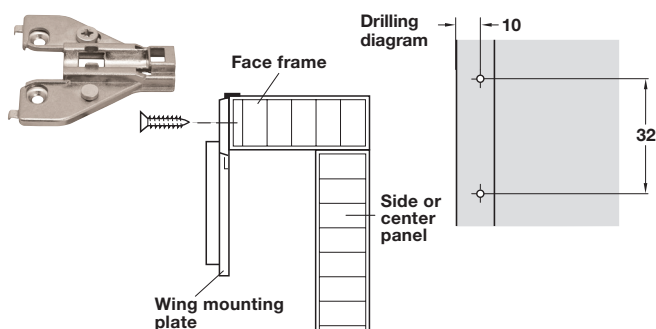


- > With vertical cam adjustment

Height	Item No.
0	315.98.650
2	315.98.652
4	315.98.654

- > For use only with clip-on hinges
- > Material: Steel; Finish: nickel-plated

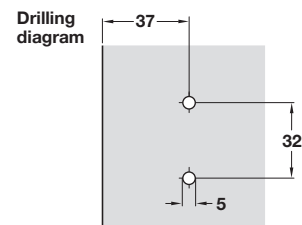
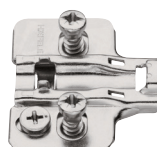
→ Face Frame Mounting Plates



- > Screw mounted
- > Vertical cam adjustment
- > For use with full overlay hinges

Overlay	Height	Item No.
5/8"	0	315.99.500
1/2"	3	315.99.503
3/8"	6	315.99.506

→ Mounting Plates



- > With pre-installed euro mounting screws
- > Length: 10 mm (13/32") for single-side mounting
- > With vertical cam adjustment

Height	Item No.
0	315.98.660
2	315.98.662
4	315.98.664

- > Screw length: 8 mm (5/16") for shared panels

Height	Item No.
0	315.98.760
2	315.98.762

→ Angle Restrictor



Item No.
315.59.029

Flat head screws

pages 13.7-13.8, 13.10, 13.13

Dimensional data not binding. Dimensions in mm, inches are approximate. We reserve the right to alter specifications without notice.

Futura 250 Hinge Machine



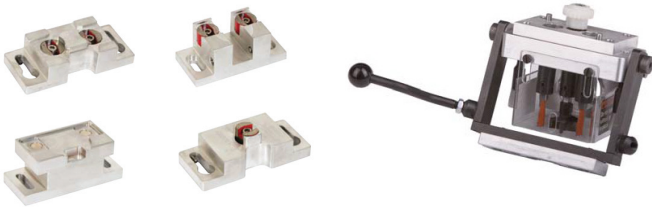
- > Vertical drilling and insertion of hinges and connectors, vertical line boring
- > Power rating: 1.5 horsepower
- > Required air pressure: 90 psi

Version	Amps	Item No.
110V/60Hz	20	001.89.500
Single phase 220V/60Hz	10	001.89.501

Supplied With
Pneumatic drilling unit with push button control
Ruler 600 mm (23 5/8")
2 Tilt stops with clamp lever
Worktop 600 x 400 mm (23 5/8" x 15 3/4")
2 Pneumatic hold-down clamps
Locking pin for fence depth adjustment with positive stops
Hinges - 22.5 mm
Line boring - 37 mm
2 LH 8 mm & 1 RH 35 mm bits

Note
Order accessories separately, below.

→ Accessories



Item	Item No.
Hinge gear box	001.89.510
Insertion die for A-series 110° hinges	001.89.530
Insertion die for Aximat	001.89.531
Additional tilt stop	001.89.550
Extension ruler 1219 (48") - 2 pc. set	001.89.560

→ Replacement Bits



- > Material: Carbide

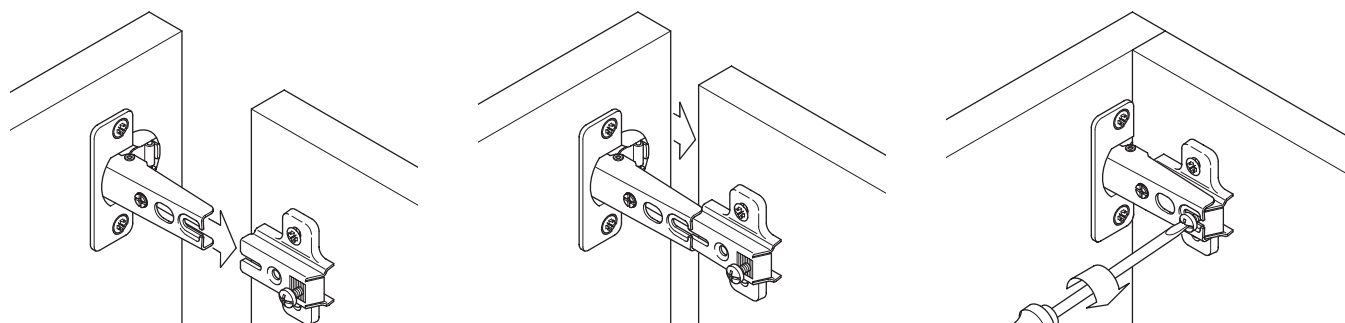
Size / Handing	Item No.
35 x 57 RH	001.08.013
8 x 57 LH	001.06.870
Kit (35 x 57 RH) + (8 x 57 LH x 2)	001.06.871

Dimensional data not binding. Dimensions in mm, inches are approximate. We reserve the right to alter specifications without notice.

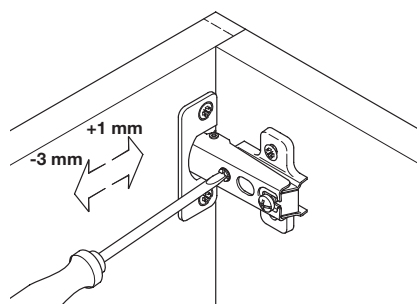
Slide-on Hinges

- > Metal with steel moving parts
- > Durable pivot bearing
- > Cup designed for automated insertion
- > Self-closing
- > Three-way adjustable

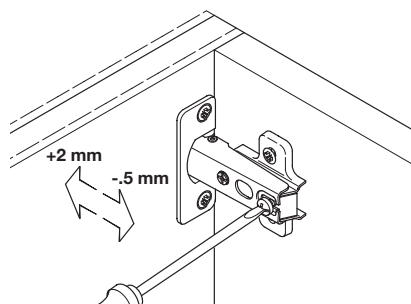
Slide-on mounting diagram



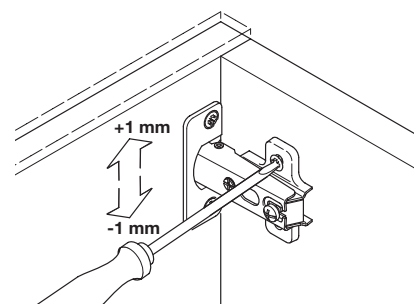
Adjustments



Horizontal
with screw
Adjustment: 5 mm (3/16")

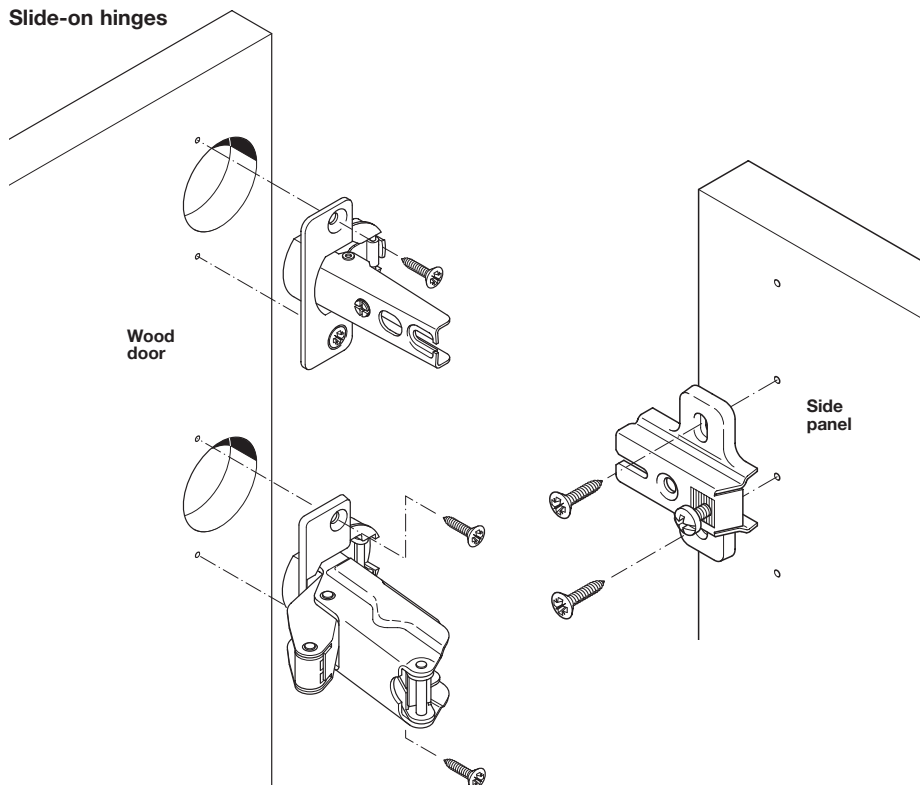


In-and-Out
by loosening the hinge-arm mounting screw
Adjustment: 2.5 mm (3/32")



Vertical
via slots in the mounting plate
Adjustment: 2 mm (3/32")

Slide-on hinges



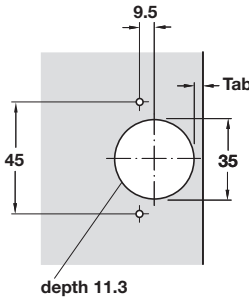
Wood door

Side panel

Slide-on Hinges

Opening angle: **110°**

- > Door thickness: 14–26 mm (9/16"–1 1/32")
- > Side panel thickness: min. 16 mm (5/8")
- > Self-closing
- > Tab: 3–7 mm (1/8"–9/32")
- > Material: Steel; Finish: nickel-plated



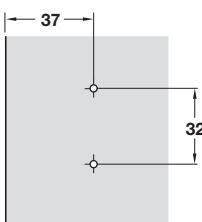
> Screw mounted

Mounting	Hinge arm		Hinge type	Item No.
full overlay		straight	13	311.90.820
half overlay		8 mm crank	5	311.90.821
inset mounting		17 mm crank	-4	311.90.822

→ Flanged Mounting Plates



Drilling diagram



- > One-piece
- > Screw mounted
- > Pre-installed hinge arm retaining screw
- > Vertical adjustment with slots
- > Edge spacing: 37 mm (1 1/2")

Height	Item No.
-2	314.60.003
0	314.60.007
2	314.60.008
4	314.60.002

Dimensional data not binding. Dimensions in mm, inches are approximate. We reserve the right to alter specifications without notice.

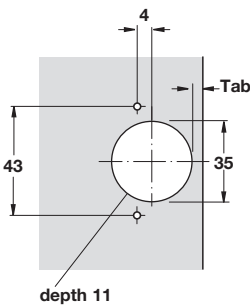
Flat head screws	pages 13.7-13.8, 13.10, 13.13
Variant screws	page 13.16

S-Series Hinges

Opening angle: **100°**

- > Pivot pin for hinge arm is steel and sealed against corrosion
- > S-Series hinges will only work with S-Series mounting plates
- > Door thickness: 15–20 mm (9/16"–25/32")
- > Side panel thickness: min. 16 mm (5/8")
- > Tab: 3–5 mm (1/8"–3/16")
- > Material: 304 Stainless Steel, polished

→ Stainless Steel Hinges



- > Screw mounted
- > Self-closing

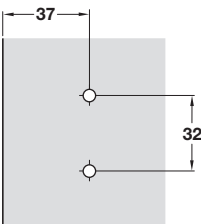
Overlay	Hinge arm		Hinge type	Item No.
full		straight	16	327.20.000
half		9 mm crank	6	327.20.002

Supplied With
Stainless Steel screws

→ Flanged Mounting Plates



Hole pattern



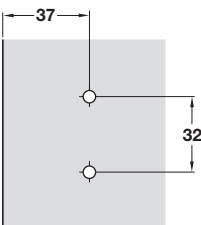
- > Screw mounted

Height	Hinge type	Item No.
2	2	327.30.000

Supplied With
Stainless Steel screws



Hole pattern



- > Screw mounted
- > With vertical adjustment in oblong mounting holes

Height	Hinge type	Item No.
2	2	327.30.030

Supplied With
Stainless Steel screws

Sugatsune Stainless Steel Hinges



- > Stainless Steel (304) hinge body construction allows for usage in outdoor environments
- > Passed 480 hour salt spray test
- > Durable; successfully passed 30,000 cycle test
- > Resin casing protects damper from corrosive elements
- > Overlay: 15–19 mm (9/16"–3/4")
- > Door thickness: 15–20 mm (19/32"–25/32")
- > Tab: 3–5 mm (1/8"–3/16")
- > Cup depth: 12 mm (15/32")
- > Material: 304 Stainless Steel, polished

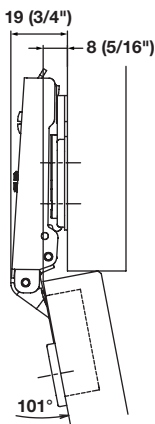


327.20.003



327.20.004

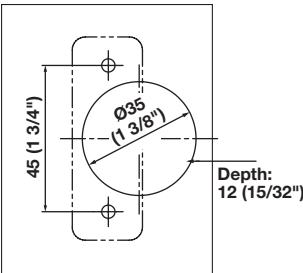
Opening angle: **105°**



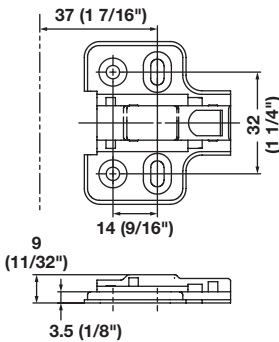
Closing	Model	Item No.
soft close	180SUS-D46-19T	327.20.003
self-close	180SUS-C46-19T	327.20.004

Supplied With
Installation screws

Bore Dimensions



→ Mounting Plate



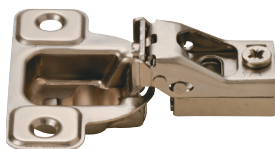
Model	Item No.
180SUS-P6T	327.20.005

Supplied With
Installation screws

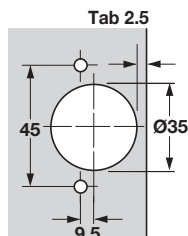
Dimensional data not binding. Dimensions in mm, inches are approximate. We reserve the right to alter specifications without notice.

Salice Face Frame

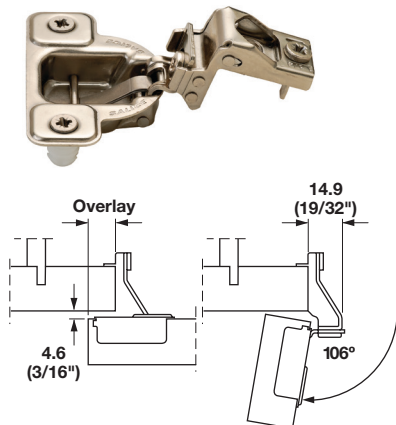
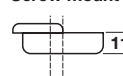
→ 2 Cam



Opening angle: **106°**



Screw mount

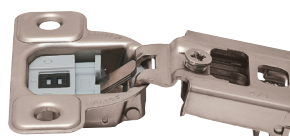


- > Screw mounted
- > 2 eccentric cam adjustments
- > Vertical adjustment: ± 2.5 mm (3/32")
- > In and out cam adjustment: -0.5 mm (1/64") + 2.5 mm (3/32")
- > Horizontal cam adjustment: ± 1.5 mm (1/16")
- > Without mounting plate
- > Attaches directly to face frame
- > Material: Steel; Finish: nickel-plated

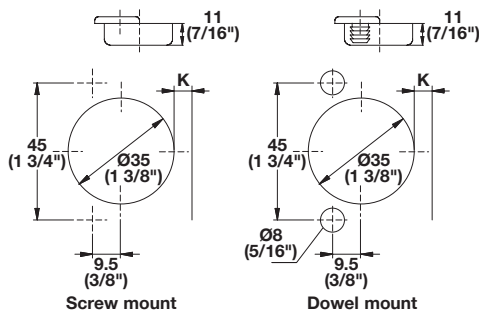
Overlay	Model	Item No.
6 (1/4")	CSP3Y99	343.60.500
13 (1/2")	CSP3799	343.61.500

→ Excentra

- > Perfect door alignment is simple to achieve with 2 automatic cam adjustments
- > Cup depth: 11 mm (7/16") for narrow door profiles
- > The easy to use activation switch allows for closing speed options
- > With integrated soft close
- > Tab: 2.5 mm (3/32") for 12 mm (1/2")
- > 2.5–4 mm (3/32"–5/32") for 32 mm (1 1/4")
- > Door thickness: min. 14 mm (9/16")
- > Material: Steel



Opening angle: **106°**



Possible "K" =
2.5 mm–4 mm
(3/32"–5/32")
*K of 4 mm (5/32")
for 32 mm (1 1/4")
overlay only.

- > Overlay: 12 mm (1/2")

Finish	Mounting	Model	Item No.
nickel-plated	screw	CUP37D9	343.61.520
	dowel	CUR37D9	343.61.521
titanium	screw	CUP37D6	343.61.524



- > Overlay: 32 mm (1 1/4")

Finish	Mounting	Model	Item No.
nickel-plated	screw	CUP3AD9	343.61.522
	dowel	CUR3AD9	343.61.523
titanium	screw	CUP3AD6	343.61.526

#8 Truss head screw

page 13.15

9

Hinges and Stays



- > Compatible with all overlays
- > Easily clips on
- > Limits opening to 86°

Model	Item No.
SUP337XG	329.24.511

Note

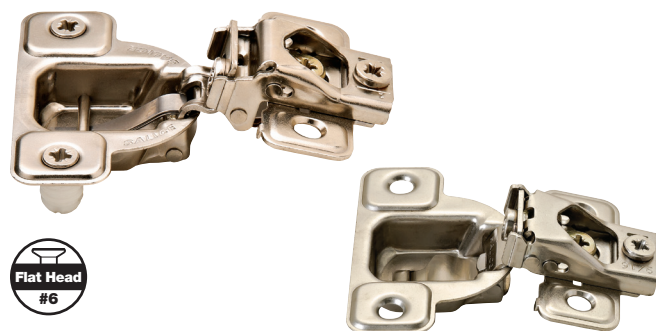
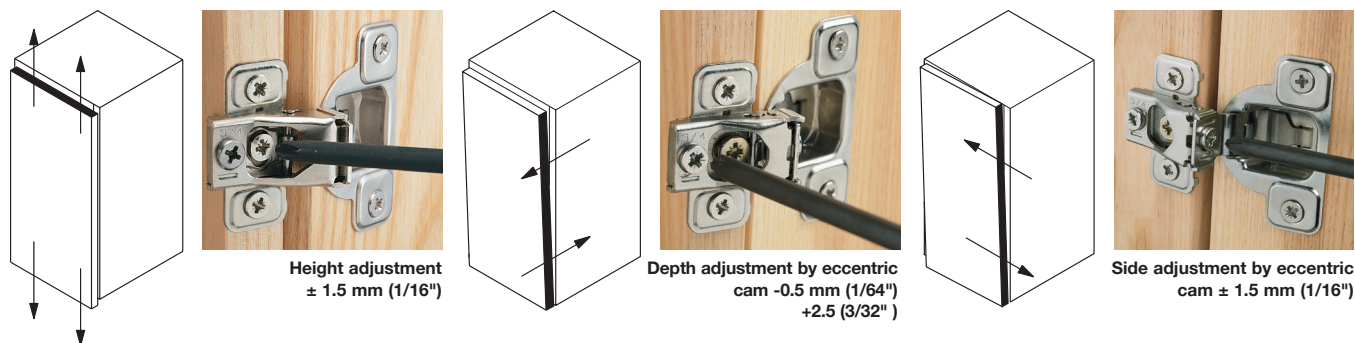
1 = 1 bag of 10 pcs.

Dimensional data not binding. Dimensions in mm, inches are approximate. We reserve the right to alter specifications without notice.

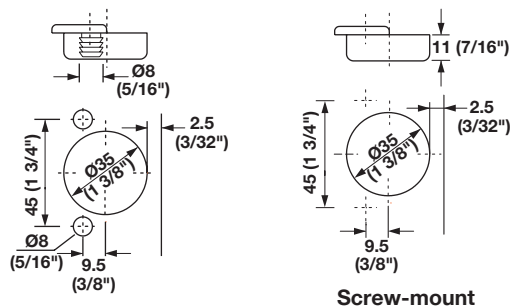
Salice Face Frame 3 Cam

Opening angle: **106°**

- > Stamped steel
- > Cup depth: 11 mm (7/16")
- > Tab fixed: 2.5 mm (3/32")
- > Zero door protrusion
- > Self-closing
- > 3-way adjustment with wing plate
- > Material: Steel; Finish: nickel-plated



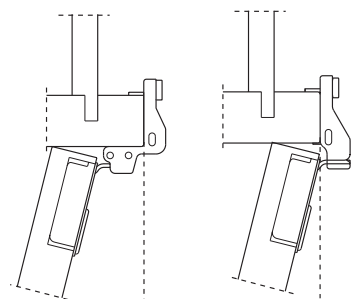
Overlay	Mounting	Model	Item No.
12 (1/2")	screw	CSP3799XR	343.62.500
12 (1/2")	dowel	CSR3799XR	343.62.510
19 (3/4")	screw	CSP3499XR	343.62.503
19 (3/4")	dowel	CSR3499XR	343.62.513
26 (1")	screw	CSP3299NR	343.62.504
26 (1")	dowel	CSR3299NR	343.62.514
32 (1 1/4")	screw	CSP3A99NR	343.62.506
32 (1 1/4")	dowel	CSR3A99NR	343.62.516
35 (1 3/8")	screw	CSP3C99NR	343.62.520
36 (1 7/16")	screw	CSP3D99NR	343.62.522



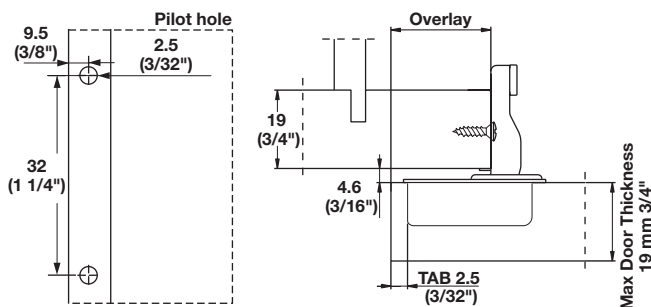
Dowel-mount

Screw-mount

Zero door protrusion



Face Frame Cabinet

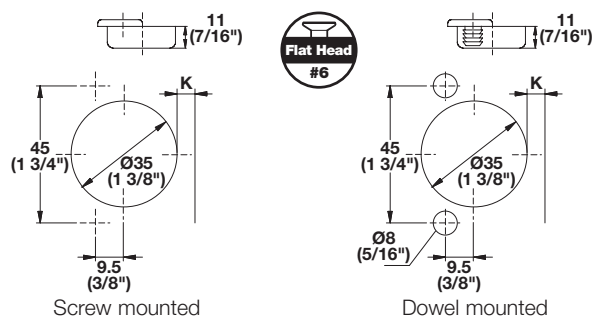


Salice Excentthree

Opening angle: **106°**

- > Ideal for re-facing and applications with varied frame thickness
- > Perfect door alignment is simple to achieve with 3 automatic cam adjustments
- > Cup depth: 11 mm (7/16") for narrow door profiles
- > The easy-to-use activation switch allows for closing speed options
- > Tab 2.5 mm (3/32"); can be increased to 5.5 mm (1/4") for special application
- > Zero door protrusion: 19–35 mm (3/4"–1 3/8")
- > With integrated soft close
- > Material: Steel

→ 3 Cam



Possible "K" = 2.5 mm–4 mm (3/32"–5/32")
*K of 4 mm (5/32") for 32 mm (1 1/4") overlay only

Finish	Model	Overlay	Mounting	Item No.
nickel-plated	CUP37D9R	12 (1/2")	screw	343.61.530
	CUR37D9R	12 (1/2")	dowel	343.61.531
	CUP34D9R	19 (3/4")	screw	343.61.546
	CUR34D9R	19 (3/4")	dowel	343.61.547
	CUP32D9R	26 (1")	screw	343.61.550
	CUR32D9R	26 (1")	dowel	343.61.551
	CUP3AD9R	32 (1 1/4")	screw	343.61.556
	CUR3AD9R	32 (1 1/4")	dowel	343.61.557
titanium	CUP3CD9R	35 (1 3/8")	screw	343.61.566
	CUR3CD9R	35 (1 3/8")	dowel	343.61.567
	CUR37D6R	12 (1/2")	dowel	343.61.533
	CUR3AD6R	32 (1 1/4")	dowel	343.61.559

Note

Requires #6 x 5/8" flat head screw.

Silentia with motion control switch

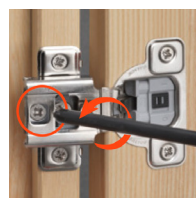


Set dampening effect to "OFF" by sliding the switch to **O**

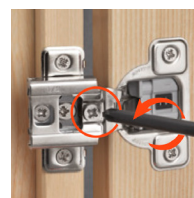


Set dampening effect to "ON" by sliding the switch to **I**

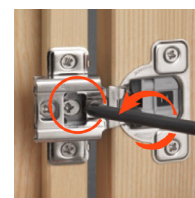
Adjustment



Cam depth adjustment

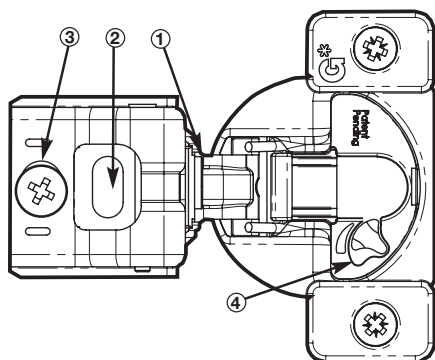


Cam side adjustment



Cam height adjustment

Grass TEC Face Frame



soft&silent)))

- > Each hinge is adjustable to fit any door and close with any pressure
- > Made in USA

1. Side adjustment:
Rotate cam adjustment screw ± 1.5 mm (1/16")
2. Height adjustment:
Loosen screw, align door, tighten screw ± 2 mm (3/32")
3. Depth adjustment:
Rotate cam screw out 2.5 mm (3/32") / in .5 mm (1/32")
4. Soft close tension:
Light, medium and strong settings



① Light



This is the "Light" setting for the soft close mechanism. Set here for light or small doors with very little closing pressure.



② Medium



This is the "Medium" setting for the soft close mechanism. Set here for average size doors with normal closing pressure.



③ Strong



This is the "Strong" setting for the soft close mechanism. Set here for larger or heavier doors with a strong closing pressure. (Factory setting)

Note

To reset the soft close, move the adjustment switch to "Strong" then to the desired position. Close the door and the soft close will be reset.

Grass TEC Face Frame



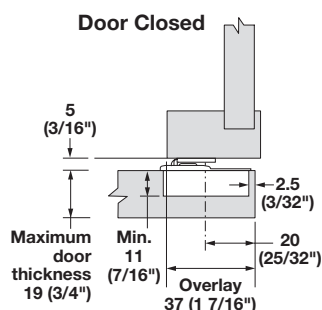
Opening angle: **108°**



soft&silent

- > One-piece hinge and base plate
- > 3-dimensional adjustment
- > Cam side and depth adjustment
- > Soft close mechanism is pre-mounted in the hinge cup
- > Adjustment switch to regulate closing action
- > Cup drilling depth: 11 mm (7/16")
- > Made in USA
- > Material: Steel; Finish: nickel-plated

→ Face Mount



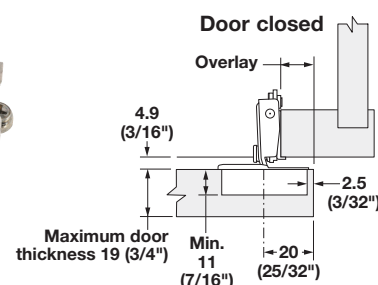
- > Overlay: min. 36 mm (1 7/16")

Mounting	Item No.
screw	348.90.090
dowel	348.90.091

Door thickness	Minimum reveal
16 (5/8")	4.2 (5/32")
17.5 (11/16")	5.4 (7/32")
19 (3/4")	6.7 (1/4")

Note Hinge cup to door: #6 x 5/8" flat head.
Plate to frame: #10 x 3/4" pan head

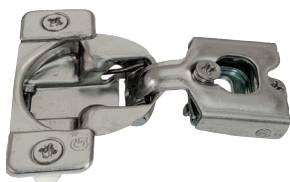
→ Wrap Around



- > Front and rear locating tabs position hinge on face frame

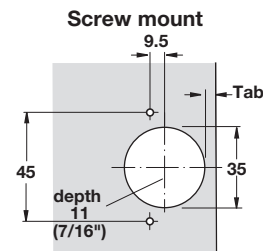
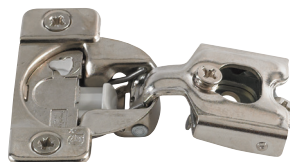
Overlay	Door clearance	Arm clearance	Dowel	Screw
6 (1/4")	11 (7/6")	14.5 (9/16")	348.90.020	348.90.010
12 (1/2")	3.5 (1/8")	11 (7/16")	348.90.022	348.90.012
19 (3/4")	0	11 (7/16")	348.90.023	348.90.013
26 (1")	0	11 (7/16")	348.90.024	348.90.014
32 (1 1/4")	0	10 (13/32")	348.90.025	348.90.015
35 (1 3/8")	0	10 (13/32")	348.90.027	348.90.017
38 (1 1/2")	0	10 (13/32")	348.90.028	348.90.018

→ Side Mount



- > Screw mounted

Overlay	Item No.
6 (1/4")	348.90.120

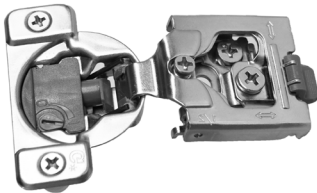


- > Dowel mounted
- > Front locating tabs position hinge on face frame

Overlay	Door clearance	Arm clearance	Item No.
12 (1/2")	3.5 (1/8")	11 (7/16")	348.90.000
32 (1 1/4")	0	10 (13/32")	348.90.001

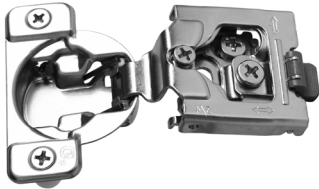
Flat head screws	pages 13.7-13.8, 13.10, 13.13
Pan head screws	pages 13.9-13.10

Grass TEC 864E CLICK-ON Face Frame



Soft close

Opening angle: **105°**



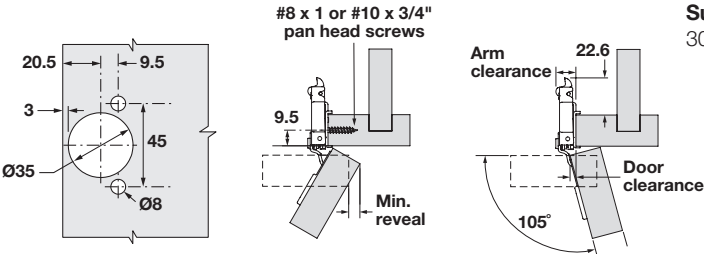
Self-close

- > The perfect solution for face frame cabinet applications
- > Two-piece, click-on design for easy cabinet door attachment and removal
- > Fine tune your applications with 3D adjustability and built-in adjustable soft close
- > Two-piece hinge and base plate combination
- > Plate has wrap-around tabs
- > Adjustable soft close and self-close options
- > Press-in 8 mm dowels / 45 mm boring pattern
- > Optional angle reduction clip available (85°)
- > Cup drilling depth: 11 mm (7/16")
- > Material: Steel; Finish: nickel-plated

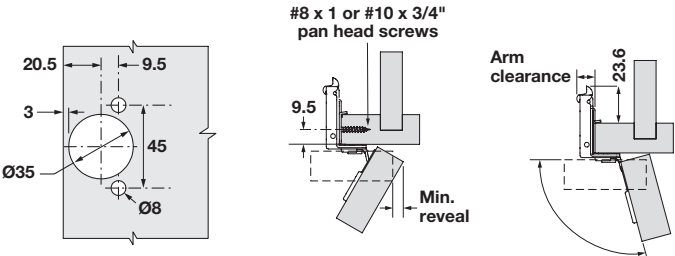
Overlay	Soft close	Self-close
1/2"	348.90.031	348.90.034
3/4"	348.90.032	348.90.035
1 1/4"	348.90.033	348.90.036

Supplied With
300 pcs./box

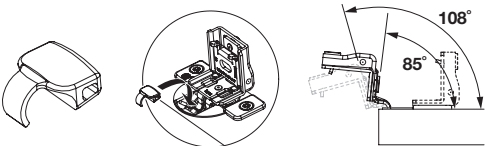
1/2"-3/4" Overlay



1 1/4" Overlay



→ Angle Reduction Clip



- > Reduces opening angle to 85°
- > Material: Plastic

Color	Item No.
gray	348.90.037

Dimensional data not binding. Dimensions in mm, inches are approximate. We reserve the right to alter specifications without notice.

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→ Face Frame Hinge



Opening angle: **110°**

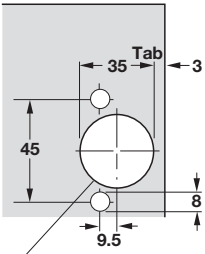
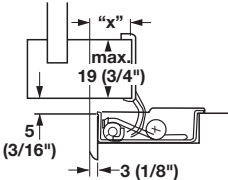


Hole Pattern

Press-fit



Door overlay: "x"



- > Press fit
- > Self-closing
- > Door overlay (X): 12 mm (15/32")
- > Door thickness: 14–26 mm (9/16"–1 1/32")
- > Cup depth: 10.5 mm (13/32")
- > Tab fixed: 3 mm (1/8")
- > Material: Steel

Finish

nickel-plated

Item No.

314.52.495

→ Short Arm Hinge



Opening angle: **105°**



- > Screw mounted
- > Self-closing
- > Door thickness: 14–26 mm (9/16"–1 1/32")
- > Tab: 3–6 mm (1/8"–1/4")
- > Material: Steel; Finish: nickel-plated

Hinge arm

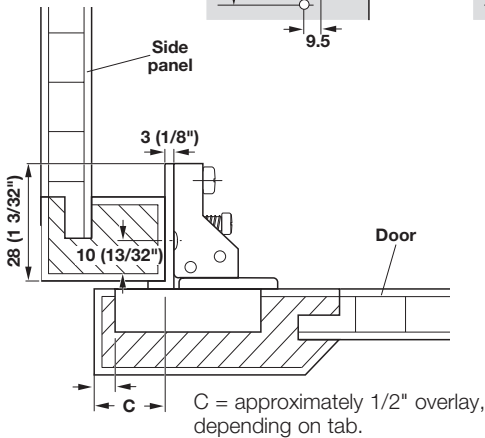
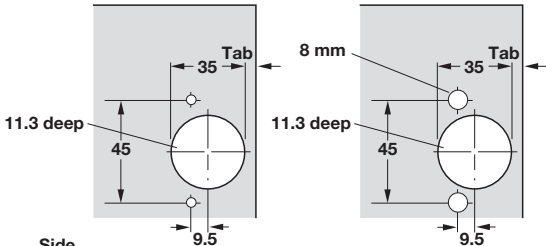


Item No.

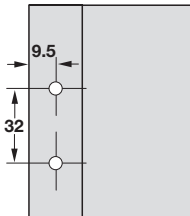
314.52.400

Note

Corresponding mounting plate sold separately below.



→ Wing Mounting Plate



- > For short arm hinge
- > Screw mounted
- > With pre-installed hinge arm mounting screw
- > Material: Steel; Finish: nickel-plated

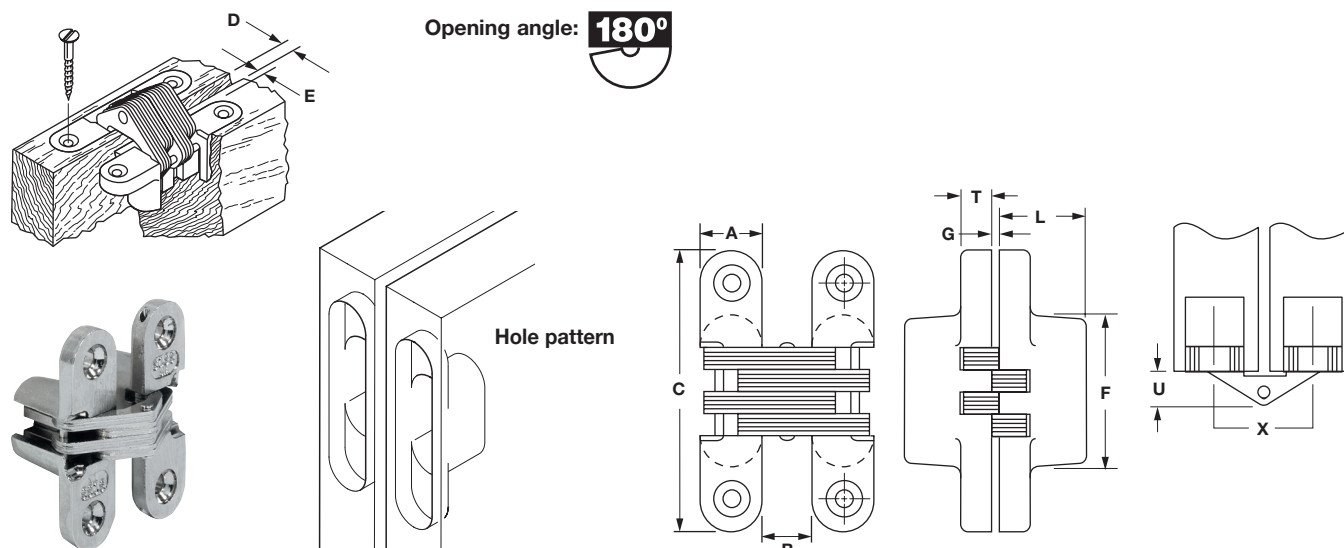
Height

0

Item No.

314.60.000

Drilled-in Invisible Hinges



> Material: Case: Zinc, die-cast; Linkage: Steel

Supplier Item No.		101	203	204	208	212	216	218	220
Finish	Item No.								
satın brass	341.07.518	341.07.527	341.07.536	341.07.545	341.07.554	341.07.563	-	-	-
satın chrome	341.07.718	341.07.727	341.07.736	341.07.745	341.07.754	341.07.763	341.07.772	341.07.781	
wood thickness	13-18 (1/2"-23/32")	19-25 (3/4"-31/32")	19-25 (3/4"-31/32")	26-28 (1 1/32"-1 1/8")	29-31 (1 1/8"-1 1/4")	35-44 (1 3/8"-1 3/4")	45-50 (1 3/4"-1 31/32")	51 + (2"+)	

Supplied With Mounting screws

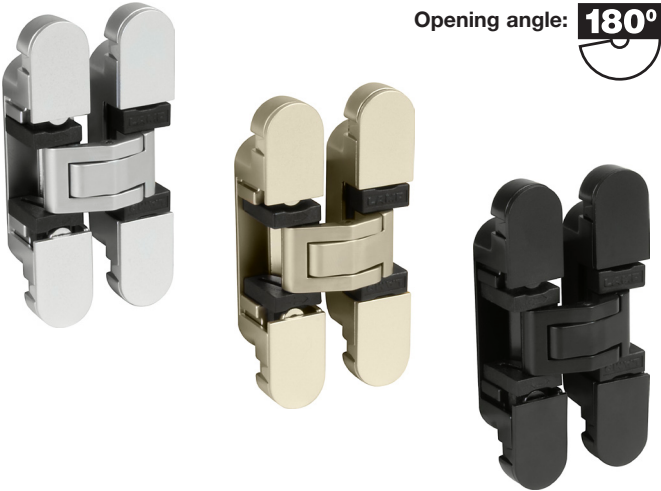
Dimension								
A	9.5	12.7	12.7	15.9	19.1	25.4	28.6	34.9
B	7.5	9.1	9.1	11.5	13.5	18.3	22.2	27.0
C	42.9	44.5	60.3	69.9	95.3	117.5	117.5	139.7
D	2.8	2.8	2.8	3.6	4.0	5.6	9.5	12.7
E	2.4	3.2	3.2	4.0	4.8	6.4	6.4	7.1
F	22.2	19.1	31.8	34.1	52.4	65.9	61.9	74.6
G	0.8	0.8	1.6	1.2	1.2	1.6	1.6	1.6
L	11.5	18.3	18.3	23.0	27.4	36.5	41.7	49.2
T	5.6	4.8	6.4	7.1	9.5	11.9	10.3	11.9
U	4.8	6.4	6.4	7.9	10.3	14.3	13.5	17.5
X	17.1	21.8	21.8	27.4	32.5	43.7	50.8	61.9

→ Wood Router Guides

> L x W x H: 305 x 76 x 16 mm (12" x 3" x 5/8")

Guide	#101	#203	#204	#208	#212	#216	#218	#220
Bit size	6 (1/4")	10 (13/32")	10 (13/32")	10 (13/32")	10 (13/32")	13 (1/2")	13 (1/2")	13 (1/2")
Item No.	002.13.810	002.13.811	002.13.812	002.13.813	002.13.814	002.13.815	002.13.816	002.13.817

Sugatsune HES3D-70

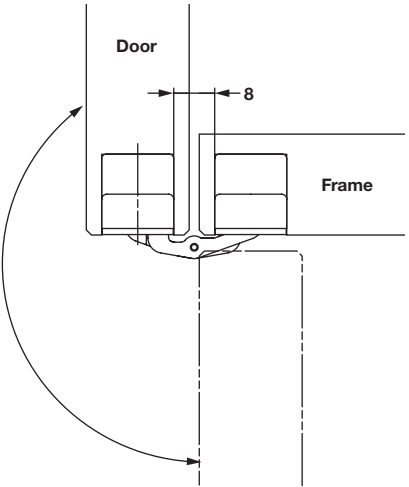
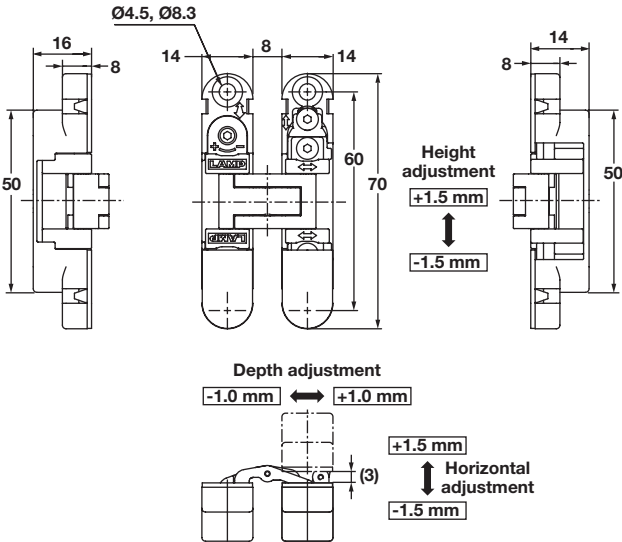


Opening angle: **180°**

- > 3-way adjustment function allows vertical, horizontal and depth adjustment after installation
- > Hinge leaves are separate for easy installation
- > Covers hide screw heads for clean appearance
- > Small size for panel thickness: min. 19 mm (3/4")
- > Door weight: max. 9 kg (19.8 lb)/2 pcs.
max.12 kg (26.4 lb)/3 pcs.
- > Door thickness: min.19 mm (3/4")
- > Door H x W: max. 1200 x 600 mm (47 1/4" x 23 5/8")
- > Material: Zinc Alloy

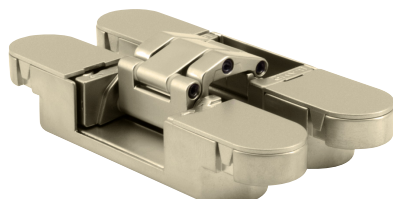
Finish	Supplier No.	Item No.
dull chrome	HES3D-70DC	927.78.004
dull nickel	HES3D-70DN	927.78.006
black	HES3D-70BL	927.78.003

Supplied With
Steel countersunk wood screws



Dimensional data not binding. Dimensions in mm, inches are approximate. We reserve the right to alter specifications without notice.

Sugatsune HES3D-90

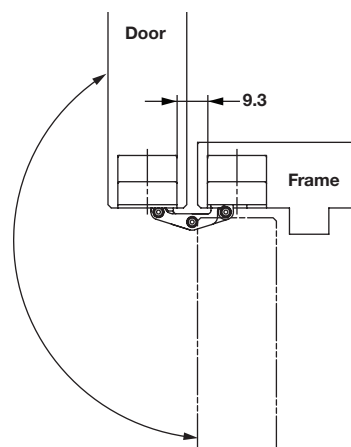
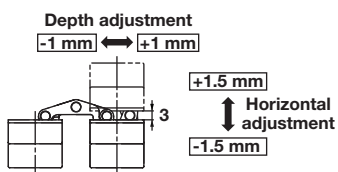
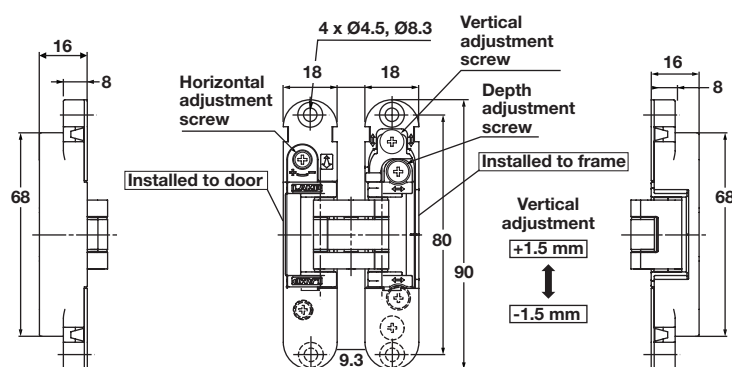


Opening angle: **180°**

- > 3-way adjustment function allows vertical, horizontal, and depth adjustment after installation
- > Hinge leaves separate for easy installation and adjustment
- > Covers hide all screw heads for clean appearance
- > Door weight: max. 12 kg (26 lb)/2 pcs.; 16 kg (35 lb)/3 pcs.
- > Door thickness: min. 23 mm (29/32")
- > Door H x W: 1,500 x 600 mm (59 1/16" x 23 5/8")
- > Material: Zinc Alloy

Finish	Supplier No.	Item No.
dull chrome	HES3D-90DC	927.78.014
dull nickel	HES3D-90DN	927.78.016
black	HES3D-90BL	927.78.013

Supplied With
Steel countersunk wood screws



9

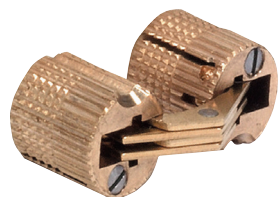
Hinges and Stays

Dimensional data not binding. Dimensions in mm, inches are approximate. We reserve the right to alter specifications without notice.

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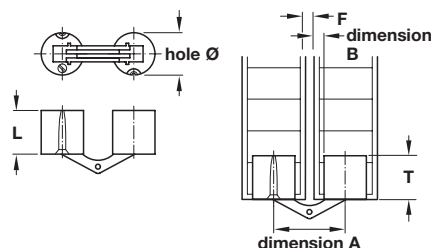
Dimensional data not binding. Dimensions in mm, inches are approximate. We reserve the right to alter specifications without notice.

Zysa Hinges



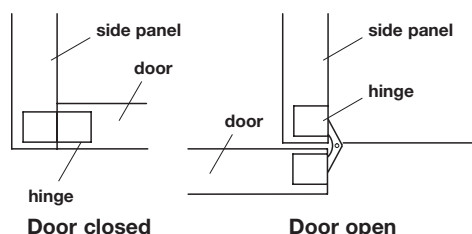
Opening angle: **180°**

- > Left or right use
- > Tighten the tensioning screw to ensure a secure grip in wood
- > Additional holding power for exceptionally high loads is achieved by installing a wood screw through exposed end
- > Drilling must be extremely accurate
- > Material: Brass, matte

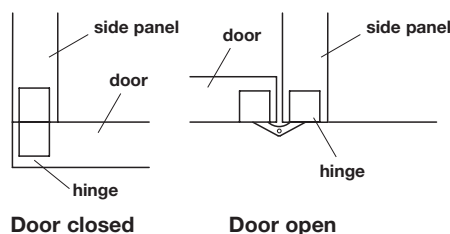


Wood thickness	Screw Ø	L	Hole Ø	T	A	B	F	Item No.
17–22 (11/16"–7/8")	3 (1/8")	13.5 (17/32")	12 (15/32")	13.5 (17/32")	20 (25/32")	2.2 (3/32")	3.5 (5/32")	341.21.520
22–28 (7/8"–1 3/32")	3.5 (5/32")	16.5 (5/8")	16 (5/8")	16.5 (5/8")	25 (31/32")	3 (1/8")	3 (1/8")	341.21.540

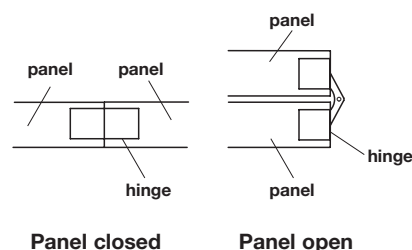
Butting, inset door:



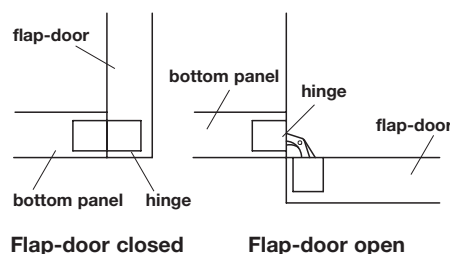
Butting, overlay door:



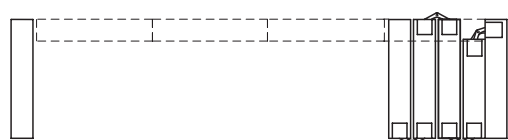
Joining two panels:



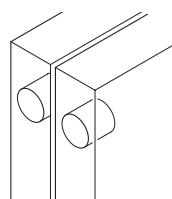
Butting overlay doors:



Typical folding door installation:



Hole pattern, Zysa hinges



Easy Mount Hinge

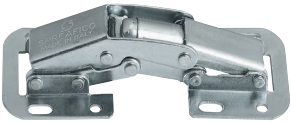


Max. door opening angle: **90°**

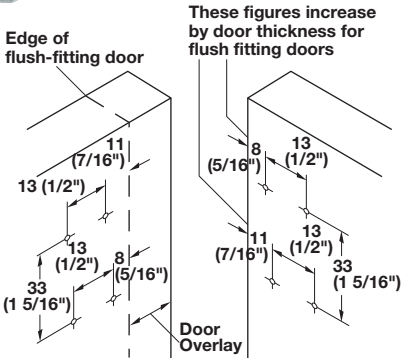
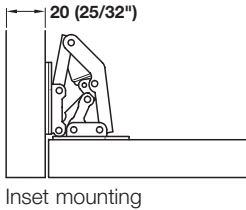
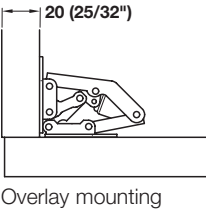


- > Screw mounted
- > Self-closing
- > Door thickness: 16–20 mm (5/8"–25/32")
- > Side panel thickness: 16–22 mm (5/8"–7/8")
- > Horizontal adjustment, oblong holes
- > Material: Steel

Finish	Item No.
zinc-plated	343.33.920



Sample installations



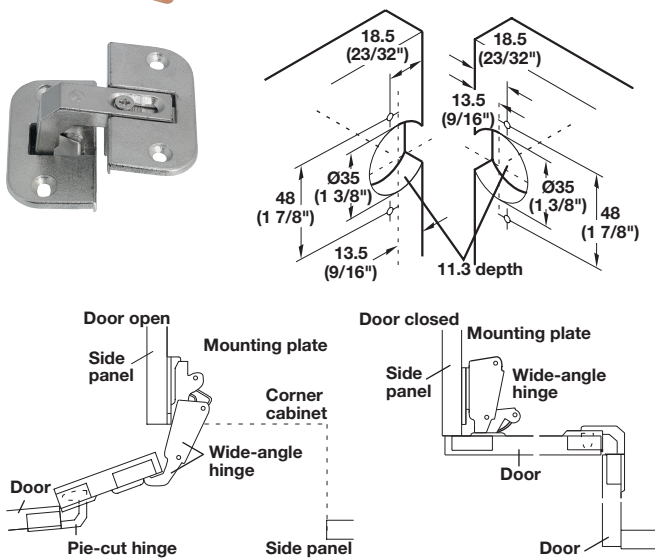
Dimensional data not binding. Dimensions in mm, inches are approximate. We reserve the right to alter specifications without notice.



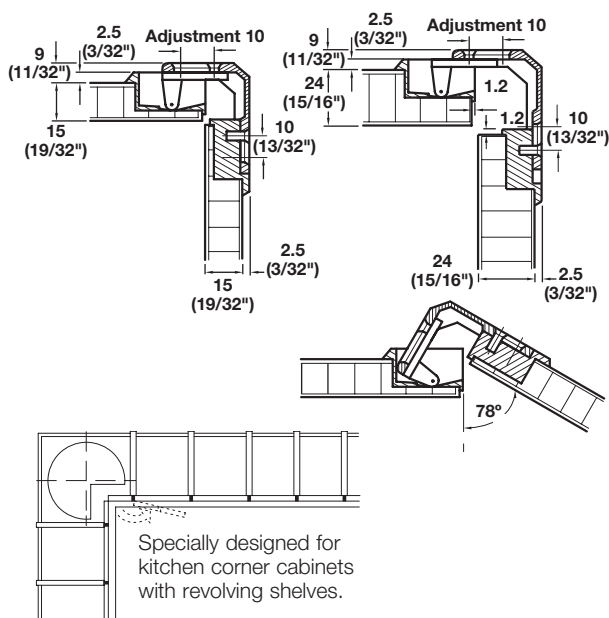
78°



- > Screw mounted
- > Two 35 mm (1 3/8") cup holes
- > Door thickness variable: 15–24 mm (9/16"–15/16")
- > Hole Ø: 35 mm (1 3/8")
- > Depth: 11 mm (7/16")
- > Meets all design requirements for three-way adjustability, quick mounting, concealed installation and sturdy construction
- > Adjustable to allow a small air circulation gap
- > Material: Zinc die-cast



Finish	Item No.
nickel-plated	343.90.710



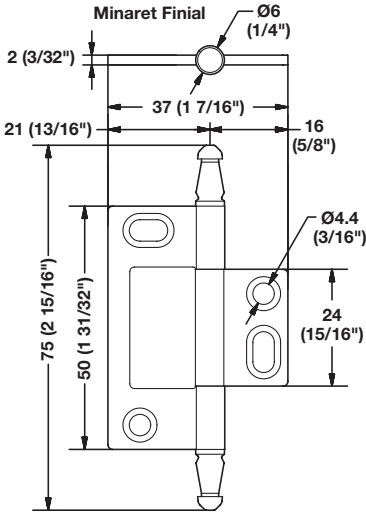
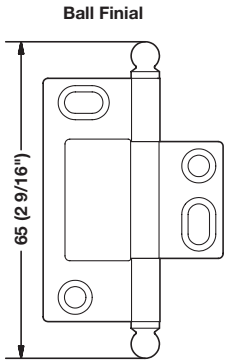
Specially designed for kitchen corner cabinets with revolving shelves.

ELITE

Häfele's ELITE Decorative Butt Hinge program provides a complete assortment of hinge choices to complement your decorative hardware.

- > Solid brass hinges with decorative finials
- > Beautiful finishes designed to complement pulls and knobs
- > For inset face frame doors
- > 2-way adjustable

→ Non-Mortised Hinges



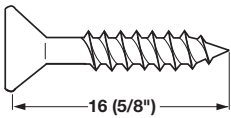
> Material: Brass

Finish	Minaret finial	Ball finial
antique brass	351.95.180	351.95.182
oil-rubbed bronze	351.95.190	351.95.192
polished chrome	351.95.280	351.95.282
black	351.95.380	351.95.382
satin chrome	351.95.480	351.95.482
brushed brass	351.95.580	351.95.582
brushed nickel	351.95.680	351.95.682
polished nickel	351.95.780	351.95.782
polished brass	351.95.880	351.95.882
pewter	351.95.980	351.95.982

Note

Order #5 x 5/8" wood screws separately, below.

→ Flat Head Countersunk Wood Screws



- > Deep thread design provides maximum holding power in a variety of wood and man-made materials
- > With extra-deep phillips recess to help minimize bit slippage
- > Material: Steel, plated

Finish	Item No.
antique brass	010.77.136
oil-rubbed bronze	010.77.536
polished chrome	010.77.236
black	010.77.336
satin nickel	010.77.636
polished brass	010.77.836
polished nickel	010.77.604

Supplied With
1000 pcs.

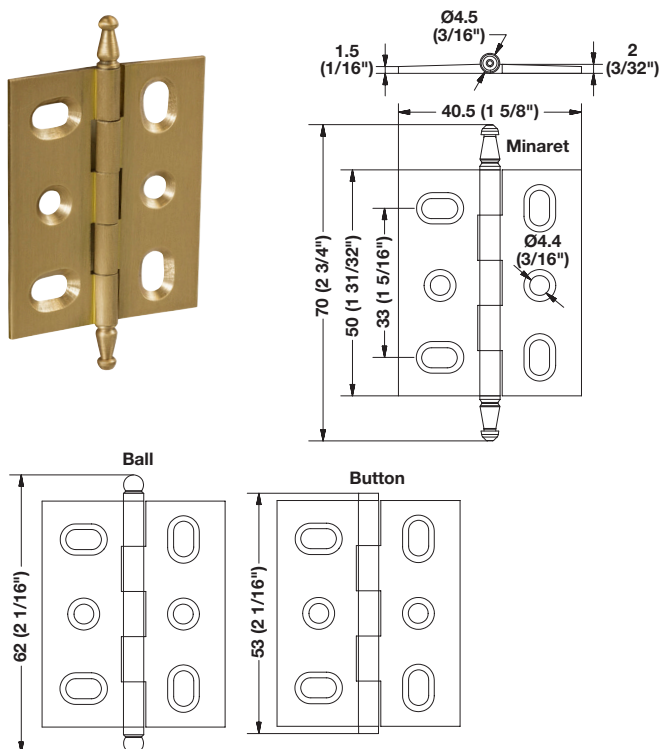
Dimensional data not binding. Dimensions in mm, inches are approximate. We reserve the right to alter specifications without notice.

ELITE

Häfele's ELITE Decorative Butt Hinge program provides a complete assortment of hinge choices to complement your decorative hardware.

- > Solid brass hinges with decorative finials
- > Beautiful finishes designed to complement pulls and knobs
- > For inset face frame doors
- > Mortised on cabinet and/or door side
- > 2-way adjustable

→ Mortised Hinges



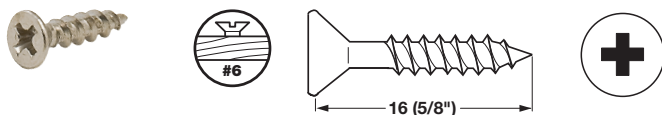
> Material: Brass

Finish	Minaret finial	Ball finial	Button finial
antique brass	354.17.100	354.17.120	354.17.140
oil-rubbed bronze	354.17.110	354.17.130	354.17.150
polished chrome	354.17.200	354.17.210	354.17.220
black	354.17.300	354.17.310	354.17.320
satin chrome	354.17.400	354.17.410	354.17.420
brushed brass	354.17.500	354.17.510	354.17.520
brushed nickel	354.17.600	354.17.610	354.17.620
polished nickel	354.17.700	354.17.710	354.17.720
polished brass	354.17.800	354.17.810	354.17.820
pewter	354.17.900	354.17.910	354.17.920

Note

Order #6 x 5/8" wood screws separately, below.

→ Flat Head Countersunk Wood Screws



- > Deep thread design provides maximum holding power in a variety of wood and man-made materials
- > With extra-deep phillips recess to help minimize bit slippage
- > Material: Steel, plated

Finish	Item No.
antique brass	010.77.146
oil-rubbed bronze	010.77.546
polished chrome	010.77.246
black	010.77.346
satin nickel	010.77.646
polished brass	010.77.846
polished nickel	010.77.606

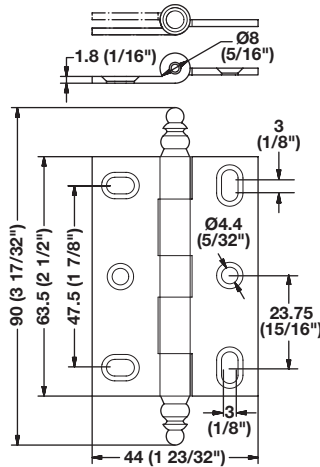
Supplied With
1000 pcs.

ELITE

Häfele's ELITE Decorative Butt Hinge program provides a complete assortment of hinge choices to complement your decorative hardware.

- > Solid brass hinges with decorative finials
- > Beautiful finishes designed to complement pulls and knobs
- > For inset face frame doors
- > Mortised on cabinet and/or door side
- > 2-way adjustable
- > Appropriate for large thick doors

→ Mortised Hinges



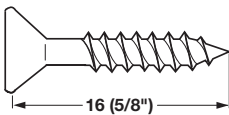
- > With minaret finial
- > Material: Brass

Finish	Item No.
antique brass	354.36.100
oil-rubbed bronze	354.36.110
polished chrome	354.36.200
black	354.36.300
satin chrome	354.36.400
brushed brass	354.36.500
brushed nickel	354.36.600
polished nickel	354.36.700
polished brass	354.36.800
pewter	354.36.900

Note

Order #6 x 5/8" wood screws separately, below.

→ Flat Head Countersunk Wood Screws



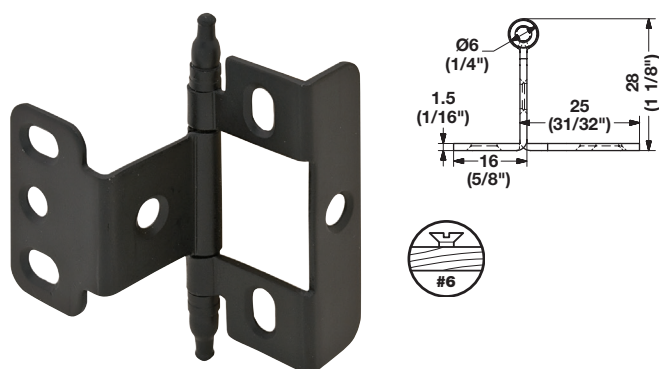
- > Deep thread design provides maximum holding power in a variety of wood and man-made materials
- > With extra-deep phillips recess to help minimize bit slippage
- > Material: Steel, plated

Finish	Item No.
antique brass	010.77.146
oil-rubbed bronze	010.77.546
polished chrome	010.77.246
black	010.77.346
satin nickel	010.77.646
polished brass	010.77.846
polished nickel	010.77.606

Supplied With
1000 pcs.

Dimensional data not binding. Dimensions in mm, inches are approximate. We reserve the right to alter specifications without notice.

Full Wrap Non-mortise Hinges

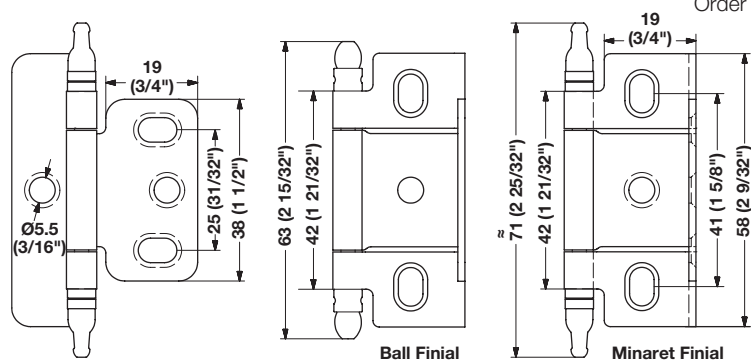


- > For inset face frame doors
- > Quick and easy mounting
- > 2-way adjustable
- > Material: Steel

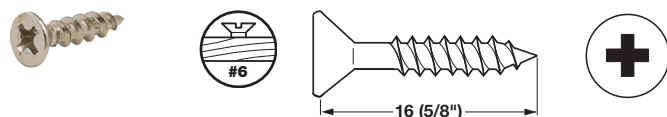
Finish	Minaret finial	Ball finial
antique brass	351.86.100	351.86.140
dark oil-rubbed bronze	351.86.110	351.86.150
copper bronze	351.86.180	351.86.185
chrome-plated	351.86.200	351.86.220
black	351.86.300	351.86.320
satin chrome	351.86.400	351.86.420
matt nickel	351.86.600	351.86.620
brass-plated	351.86.800	351.86.820
pewter	351.86.900	351.86.920

Note

Order #6 x 5/8" wood screws separately, below.



→ Flat Head Countersunk Wood Screws

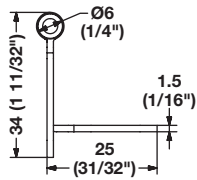


- > Deep thread design provides maximum holding power in a variety of wood and man-made materials
- > With extra-deep phillips recess to help minimize bit slippage
- > Material: Steel, plated

Finish	Item No.
antique brass	010.77.146
oil-rubbed bronze	010.77.546
copper bronze	010.77.046
polished chrome	010.77.246
black	010.77.346
satin nickel	010.77.646
polished brass	010.77.846

Supplied With
1000 pcs.

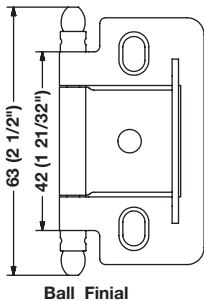
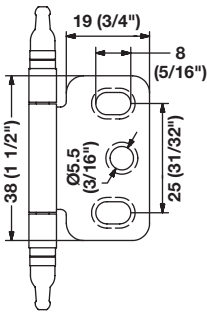
Partial Wrap Non-mortise Hinges



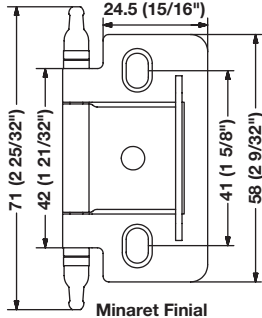
- > For inset face frame doors
- > Quick and easy mounting
- > 2-way adjustable
- > Material: Steel

Finish	Minaret finial	Ball finial
antique brass	351.86.120	351.86.160
dark oil-rubbed bronze	351.86.130	351.86.170
copper bronze	351.86.190	351.86.195
chrome-plated	351.86.210	351.86.230
black	351.86.310	351.86.330
satin chrome	351.86.410	351.86.430
matt nickel	351.86.610	351.86.630
brass-plated	351.86.810	351.86.830
pewter	351.86.910	351.86.930

Note
Order #6 x 5/8" wood screws separately, below.

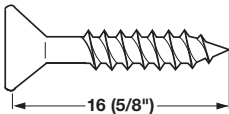


Ball Finial



Minaret Finial

→ Flat Head Countersunk Wood Screws



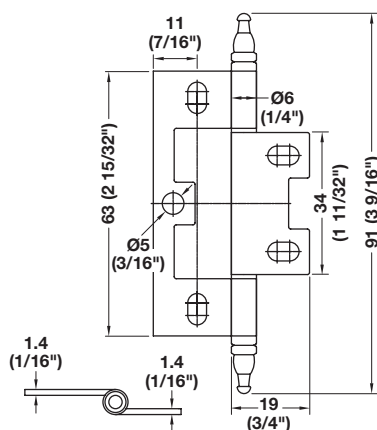
- > Deep thread design provides maximum holding power in a variety of wood and man-made materials
- > With extra-deep phillips recess to help minimize bit slippage
- > Material: Steel, plated

Finish	Item No.
antique brass	010.77.146
oil-rubbed bronze	010.77.546
copper bronze	010.77.046
polished chrome	010.77.246
black	010.77.346
satin nickel	010.77.646
polished brass	010.77.846

Supplied With
1000 pcs.

Dimensional data not binding. Dimensions in mm, inches are approximate. We reserve the right to alter specifications without notice.

Non-mortised Hinges



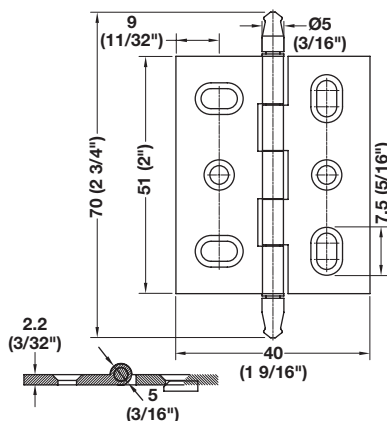
- > For inset face frame doors
- > Quick and easy mounting
- > 2-way adjustable
- > With minaret finial
- > Material: Steel

Finish	Item No.
brass-plated	351.95.570
satin chrome	351.95.470
matt nickel	351.95.670
pewter	351.95.970
chrome-plated	351.95.270
black	351.95.370
dark oil-rubbed bronze	351.95.175

Note

Order #5 wood screws separately, below.

→ Mortised Hinges



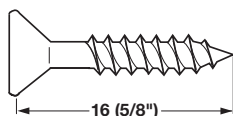
- > With minaret finial
- > Solid brass
- > Material: Brass

Finish	Item No.
satin chrome	354.22.431
pewter	354.22.931
polished chrome	354.22.231

Note

Order #6 wood screws separately, below.

→ Flat Head Countersunk Wood Screws



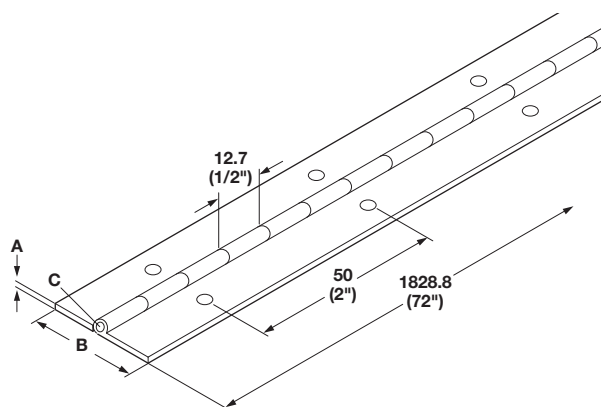
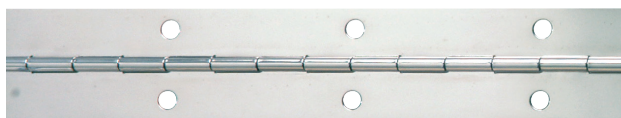
- > Deep thread design provides maximum holding power in a variety of wood and man-made materials
- > With extra-deep phillips recess to help minimize bit slippage
- > Material: Steel, plated

Finish	Length	Item No.	Length	Item No.
antique brass	#5 x 5/8"	010.77.136	#6 x 5/8"	010.77.146
oil-rubbed bronze	#5 x 5/8"	010.77.536	#6 x 5/8"	010.77.546
polished chrome	#5 x 5/8"	010.77.236	#6 x 5/8"	010.77.246
black	#5 x 5/8"	010.77.336	#6 x 5/8"	010.77.346
satin nickel	#5 x 5/8"	010.77.636	#6 x 5/8"	010.77.646
polished brass	#5 x 5/8"	010.77.836	#6 x 5/8"	010.77.846

Supplied With

1000 pcs.

Piano Hinges



- > For furniture and cabinetry
- > Hinges are post-plated and free of machine oil
- > Stainless steel is 304 grade with a bright annealed (BA) finish
- > All holes are countersunk for screws
- > Knuckle length: 12.7 mm (1/2")
- > Hole spacing: 50 mm (2")
- > Length: 1828.8 mm (72")

Note

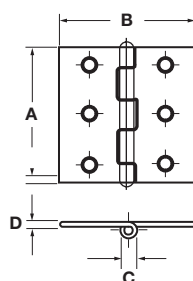
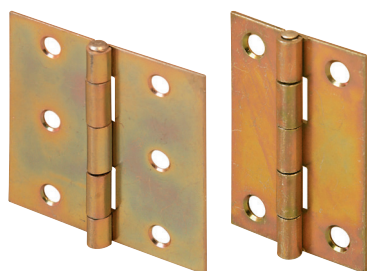
Special order hinges are available in a minimum quantity of 300' (Steel) and 150' (Stainless Steel).

Material	Finish	Open Width (B)	Gauge (A)	Pin Diameter (C)	Item No.
Steel	polished nickel	27 (1 1/16")	1.02 (.04")	2.29 (.09")	351.09.614
Steel	polished nickel	31.8 (1 1/4")	1.02 (.04")	2.29 (.09")	351.09.623
Stainless Steel	stainless steel	31.8 (1 1/4")	.94 (.037")	2.54 (.1")	351.10.023
Steel	polished brass	38.1 (1 1/2")	1.02 (.04")	2.29 (.09")	351.09.533
Steel	polished nickel	38.1 (1 1/2")	1.02 (.04")	2.29 (.09")	351.09.633
Stainless Steel	stainless steel	38.1 (1 1/2")	.94 (.037")	2.54 (.1")	351.10.035
Steel	polished nickel	50.8 (2")	1.02 (.04")	2.29 (.09")	351.09.644
Stainless Steel	stainless steel	50.8 (2")	.94 (.037")	2.54 (.1")	351.10.043

Supplied With
5 pcs. per box

Dimensional data not binding. Dimensions in mm, inches are approximate. We reserve the right to alter specifications without notice.

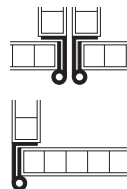
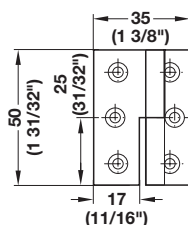
Hinges with Fixed Pin



- > 5 knuckles
- > Knuckles Ø: approximately 5.5 mm (1/4")
- > Material: Steel; Finish: yellow chromated

A x B (approx.)	Material thickness (D)	Holes per wing	Item No.
50 x 35 (1 31/32" x 1 3/8")	1.2	2	354.12.905
50 x 50 (1 31/32" x 1 31/32")	1.0	3	354.12.906

Cranked Hinges



- > Butting for front-hung doors
- > Door thickness: 20–21 mm (25/32"–13/16")
- > Barrel length: 50 mm (1 31/32")
- > Material: Solid Brass; Finish: nickel-plated matte

Mounting	Item No.
left	307.01.636
right	307.01.627

Neuform Cranked Hinge

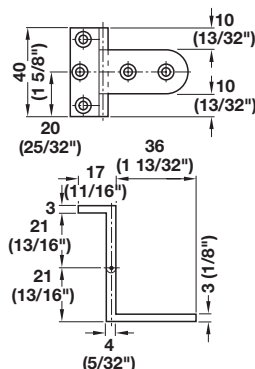


- > Butt hinge for overlay doors
- > Door thickness: 19–20 mm (3/4"–25/32")
- > Side panel thickness: min. 17 mm (11/16")
- > Barrel length: 40 mm (1 9/16")
- > Material: Solid Brass

Finish	Item No.
nickel-plated polished	307.04.708

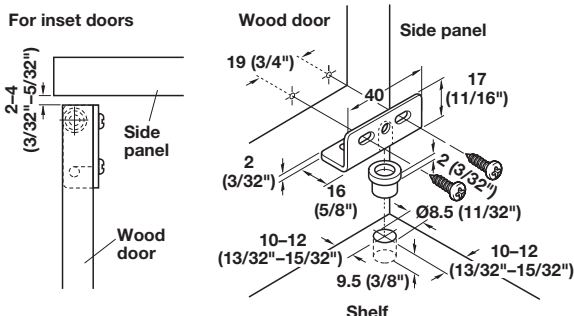
9

Hinges and Stays



Flat head screws	pages 13.7-13.8, 13.10, 13.13
Flat head wood screws	page 13.13

→ Simplex-wood Door Hinges



Note

Dimensions shown on mounting diagrams are only approximate. Please conduct trial mounting to determine your exact dimensions.

- > With press fit bushings
- > Door thickness: 14-19 mm (9/16"-3/4")
- > Material: Steel; Bushing: Plastic; Color: black

Finish

chrome-plated
black

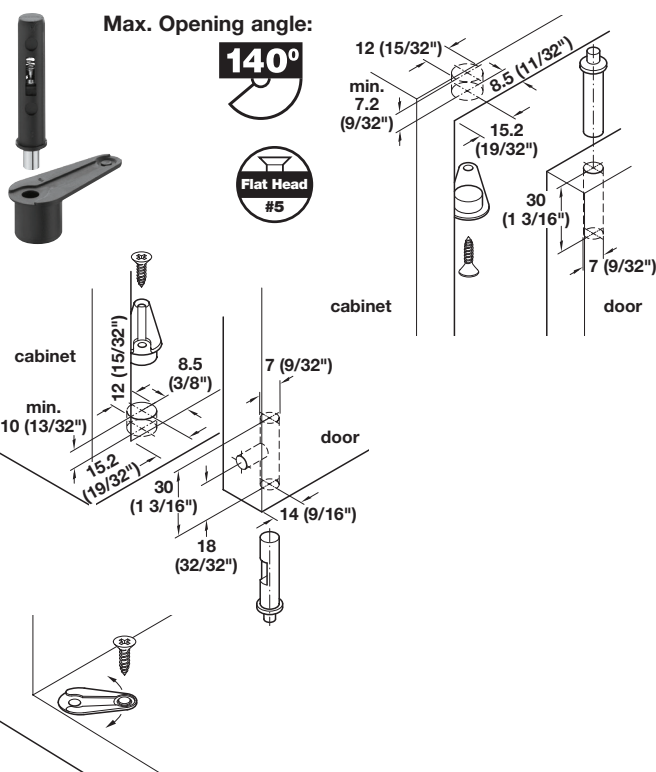
Item No.

361.42.293
361.42.391

Supplied With

Bushings
Screws

→ Pivot Hinge



- > Door thickness: 2-21 mm (3/32"-13/16")
- > Both pins are spring-loaded: tools are not required for installation
- > Detachable
- > Material: Plastic; Pivot: Steel

Color

black

Item No.

361.22.310

Supplied With

2 Pins
2 Bushings

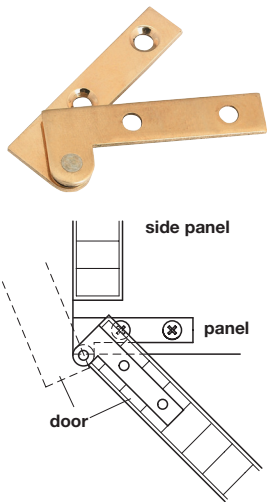
Note

To increase or reduce gap, turn tab on its pivot bearing. Once adjusted as desired, secure tab in position using a small wood screw as shown.

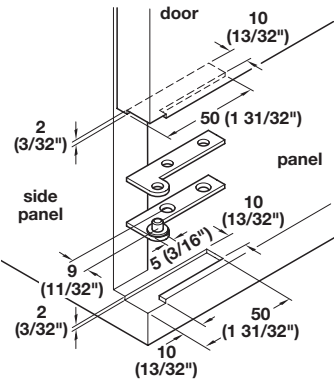
Note

To detach the door, insert a small screwdriver into hole located in door edge. Then, use a screwdriver to lift spring-loaded pin inside lower bushing. **Important:** make sure to match holes in door and bushing.

→ Corner Pivot Hinge, straight



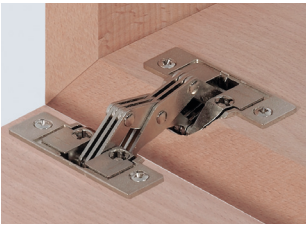
Opening angle: **250°**



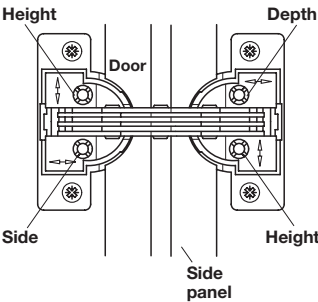
- > Screw mounted
- > Without stop
- > With outer knuckle
- > Length: 50 mm (1 31/32")
- > Material: Brass, polished

Item No.
362.10.803

Miter Hinges



- > Three-way adjustable:
Height: 3 mm (1/8")
Depth and side: 1.5 mm (1/16")
- > Material: Cup: Zinc die-cast;
Hinge arm: Steel; Finish: nickel-plated

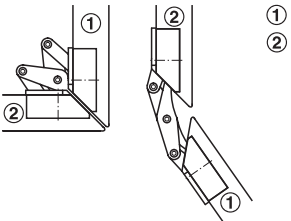


→ GS 45/90

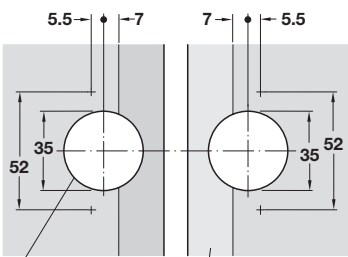


Opening angle: **135°**

Door
Side panel



Hole pattern



- > Screw mounted
- > Chamfer: 45°
- > Door thickness: 16–22 mm (5/8"–7/8")
- > Side panel thickness: 16–20 mm (5/8"–25/32")

Item No.
325.00.708

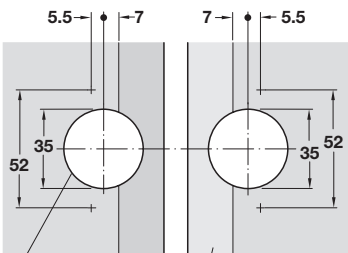
→ Miter Flap Hinge



Opening angle: **90°**



Hole pattern



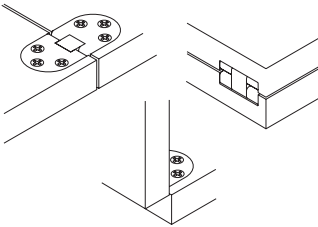
depth 13.5

Chamfer 45°

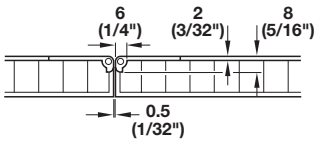
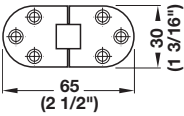
- > Screw mounted
- > Chamfer: 45°
- > Flap thickness: 16–22 mm (5/8"–7/8")
- > Side panel thickness: 16–22 mm (5/8"–7/8")
- > Use in combination with flap and lid stays

Item No.
325.02.702

Self-supporting Hinges

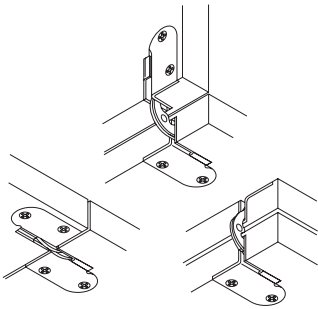
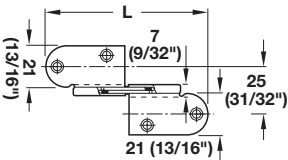


- > Flush mounted
- > For folding and sewing machine tables
- > Material: Brass



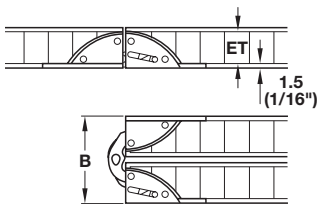
Finish	Item No.
nickel-plated, polished	341.32.708
matte brass	341.32.502
polished brass	341.32.806
bronzed	341.32.100

Folding Table Hinges



- > Flush mounted
- > For panel thickness: 19–22 mm (3/4"–7/8")
- > Distance between panels: approximately 5 mm (3/16")
- > Material: Steel, galvanized

Finish	Material thickness	Mortise depth ET	L x B	Item No.
blue	19 (3/4")	16 (5/8")	85 x 47 (3 3/8" x 1 7/8")	341.30.509
yellow	22 (7/8")	19 (3/4")	85 x 51 (3 3/8" x 2")	341.30.526

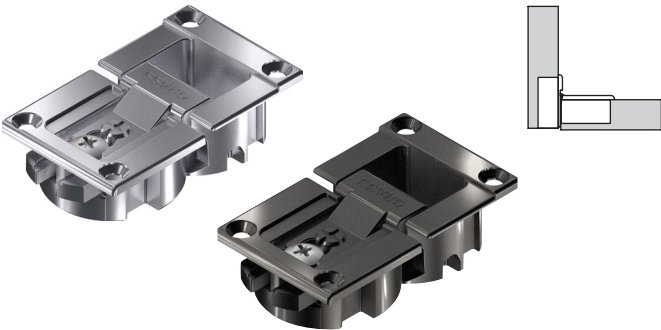


Grass Tiomos 90° Hinges



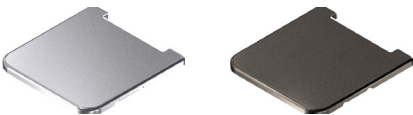
- > Sleek modern design
- > Door thickness: max. 30 mm (1 3/16")
- > Large overlay: max. 19 mm (3/4")
- > Flap thickness: 14–21 mm (9/16"–13/16")
- > Cup depth: 12 mm (15/32")
- > 3-dimensional adjustment
- > Narrow joint
- > Compatible with Tipmatic pin system
- > Screw mounted
- > Material: Zinc die-cast

Opening angle: **90°**



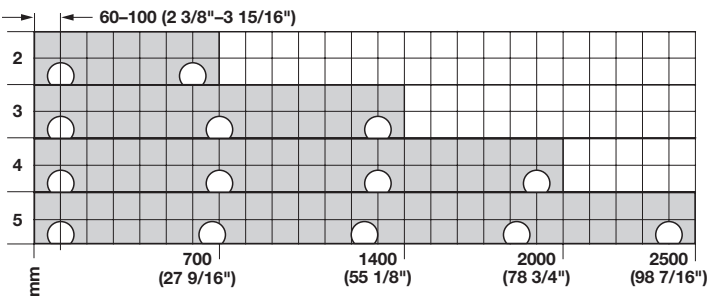
Finish	Item No.
nickel-plated	342.71.700
night	342.71.300

→ Cover Caps

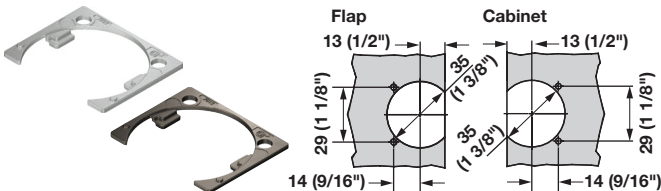


- > Material: Steel

Finish	Item No.
nickel-plated	342.71.710
night	342.71.310



→ Spacers



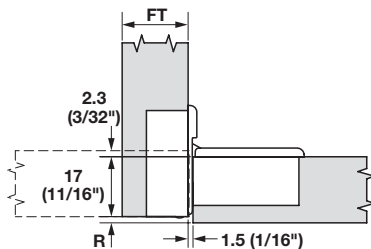
- > 1.5 mm (1/16")

Finish	Item No.
nickel-plated	342.71.720
night	342.71.320

Dimensional data not binding. Dimensions in mm, inches are approximate. We reserve the right to alter specifications without notice.

Grass Tiomos 90° Hinge

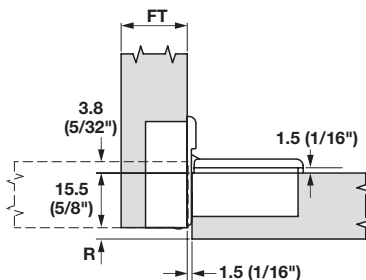
Overlay, without spacer,
12 mm (15/32") cup depth



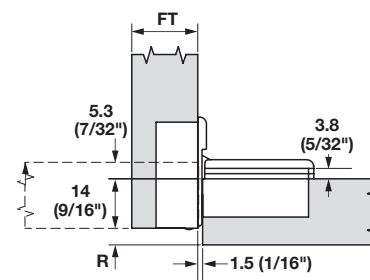
Flap thickness (FT)

Min. Reveal (R)	21 (13/16")	20 (25/32")	19 (3/4")	18 (23/32")	17 (11/16")	16 (5/8")	15 (19/32")	14 (9/16")
R	2.5 (3/32")	1.5 (1/16")	1 (1/32")	1 (1/32")	1 (1/32")	1 (1/32")	1 (1/32")	1 (1/32")

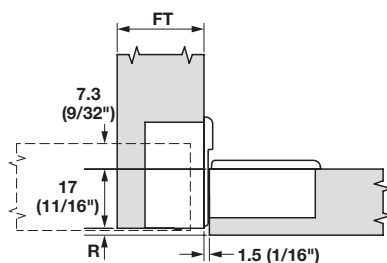
Overlay, with 1 spacer,
12 mm (15/32") cup depth



Overlay, with 2 spacers,
12 mm (15/32") cup depth



Overlay, without spacer,
12 mm (15/32") cup depth



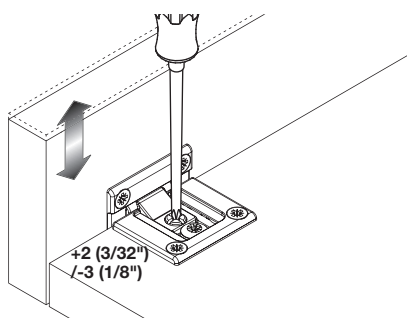
Flap thickness (FT)

Min. Reveal (R)	30 (1 3/16")	29 (1 1/8")	28 (1 3/32")	27 (1 1/16")	26 (1 1/32")	25 (31/32")	24 (15/16")	23 (29/32")	22 (7/8")
R	6.5 (1/4")	5.5 (7/32")	4.5 (5/32")	3.5 (5/32")	2.5 (3/32")	1.5 (1/16")	1 (1/32")	1 (1/32")	1 (1/32")

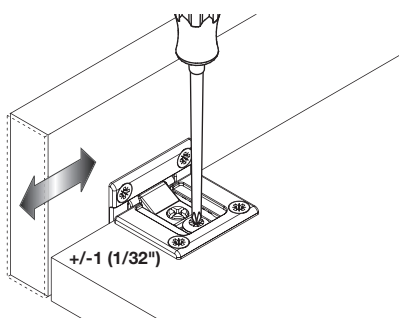
Note: Hinge dimensions and reveal calculation based on factory setting.

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

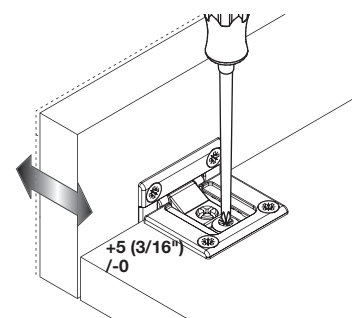
Overlay Adjustment



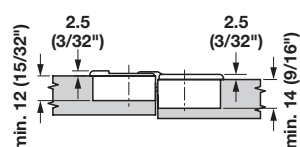
Side Adjustment



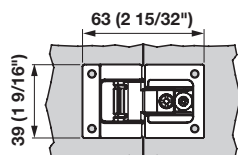
Depth Adjustment



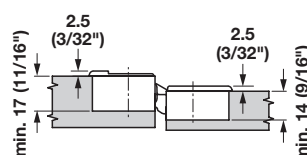
Cup dimensions,
12 mm (15/32") cup depth



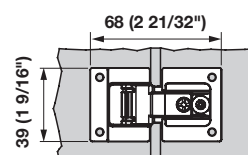
Hinge dimension,
12 mm (15/32") cup depth



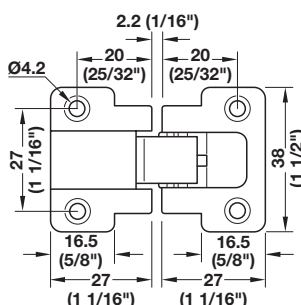
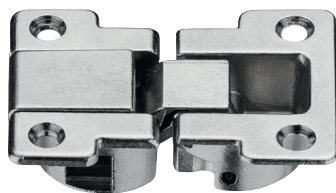
Cup dimensions,
17 mm (11/16") cup depth



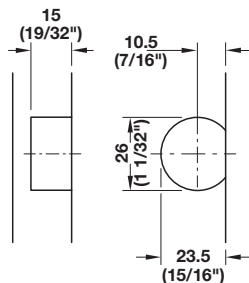
Hinge dimensions,
17 mm (11/16") cup depth



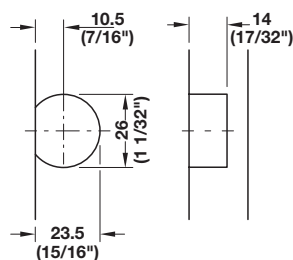
Concealed Hinge



Drilling pattern



Drilling dimensions in
base panel



Drilling dimensions in door

- > 3D adjustable
- > Cup Ø: 26 mm (1 1/32")
- > Negative tab drilling
- > For panel thickness: min. 18 mm (23/32")
- > Overlay: 18.5 mm (3/4")
- > Screw mounted
- > Material: Zinc Alloy

Finish

nickel-plated

Item No.

342.78.700

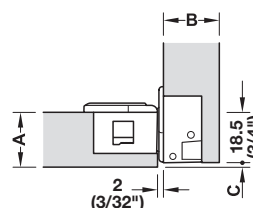
Supplied With

4 Hinges

Application and planning dimensions

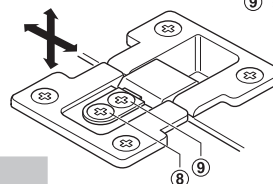


Door open



Door closed

Adjustment facility



⑧ = height adjustment: +2 mm (3/32")

⑨ = clamping screw

Side adjustment: ± 1 mm (1/32")

Depth adjustment: ± 4 mm (5/32")

Minimum gap C for door opening

Base panel thickness A	Door thickness B						
	18 (23/32")	19 (3/4")	20 (25/32")	22 (7/8")	24 (15/16")	25 (31/32")	26 (1 1/32")
18 (23/32")	0	0.7	1.7	3.7	5.7	6.7	7.7
19 (3/4")	0	0	0	2.7	4.7	5.7	6.7
20 (25/32")	0	0	0	1.7	3.7	4.7	5.7
22 (7/8")	0	0	0	0	1.7	2.7	3.7

→ Cover Caps



- > For hinge above
- > Material: Plastic

Color

white

black

Item No.

342.78.709

342.78.309

Supplied With

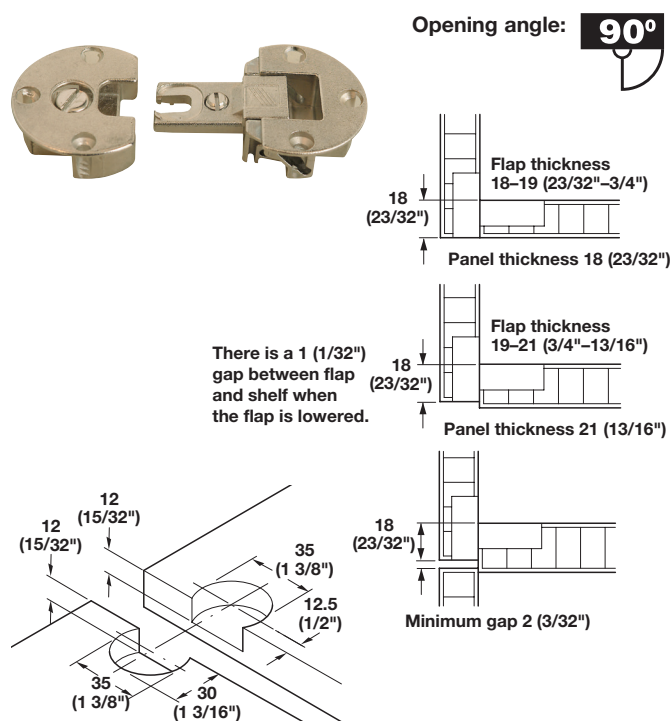
4 Cover caps for arm

4 Cover caps for cup

Supplied With

Orders are always supplied with 4 pcs. each.

Flap Hinge



Opening angle: **90°**

- > Three-way adjustable and detachable
- > The two cups can be released and detached for added shipping and installation convenience
- > Material: Zinc die-cast

Finish

nickel-plated

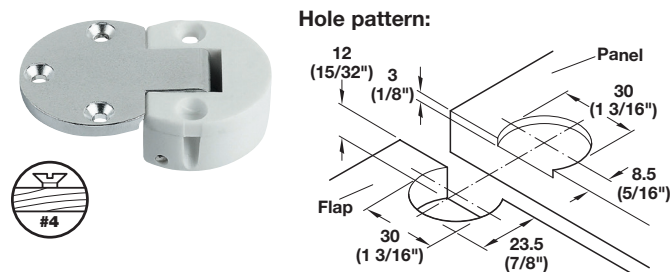
Item No.

342.66.709

Supplied With

Mounting screws

Plano Medial Flap Hinge



- > Screw mounted
- > No projecting parts on the cabinet or flap
- > Material: Plastic/Zinc die-cast

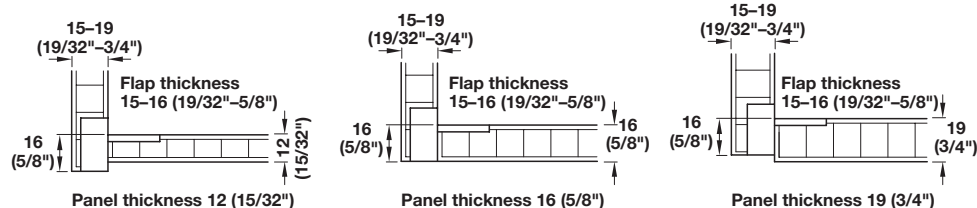
Finish

white/chrome-plated

Item No.

342.75.226

Sample installations



9

Simplex Inset Hinges

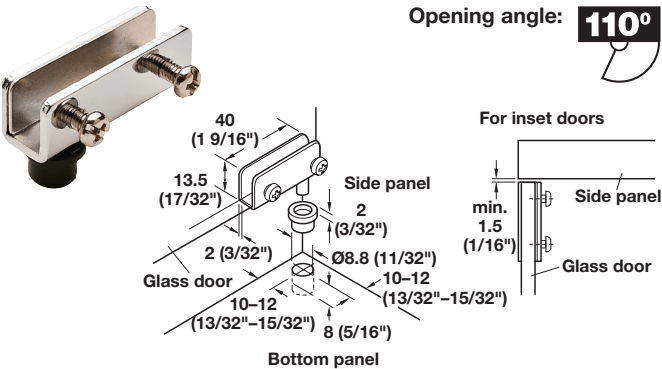


- > Non-bore hinges
- > For lightweight glass doors
- > With press fit bushing
- > Material: Steel; Bushing: Plastic

Note

Dimensions shown on mounting diagrams are only approximate.
Please conduct trial mounting to determine your exact dimensions.

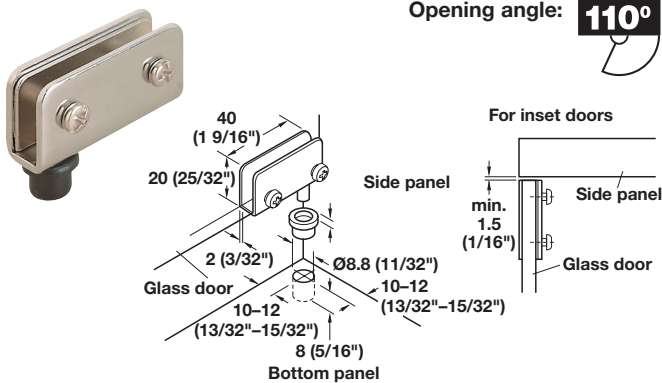
- > Glass thickness: max. 5 mm (3/16")



Finish	Item No.
chrome-plated	361.42.202
black	361.42.300

Supplied With

Left/right hinges
Self-adhesive pressure plates and screws



- > Glass thickness: max. 6 mm (1/4")

Finish	Item No.
chrome-plated	361.42.211
black	361.42.319

Supplied With

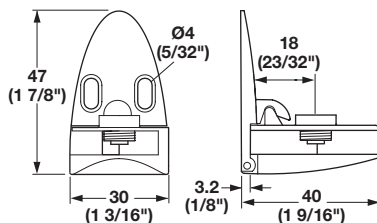
Left/right hinges
Self-adhesive pressure plates and screws

Dimensional data not binding. Dimensions in mm, inches are approximate. We reserve the right to alter specifications without notice.

Badge Hinges



Opening angle:



- > Top and bottom door for inset doors
- > With catch
- > Edge mounts to glass door with one ABS plastic screw
- > Horizontal adjustment with slotted holes
- > Glass thickness: 4–6 mm (5/32"–1/4")
- > Door W x H: max. 400 x 1000 mm (15 3/4" x 39 3/8")
- > Material: Zinc die-cast; Catch: ABS Plastic

Finish

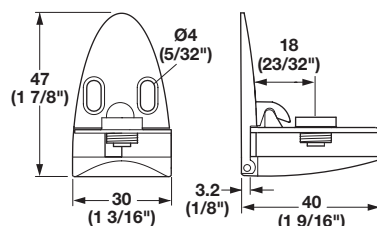
aluminum

Item No.

361.81.900

Supplied With

Top/bottom hinge
ABS screw



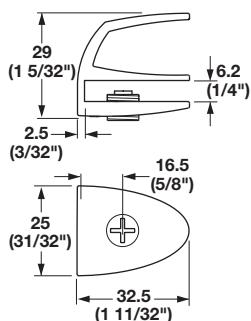
- > Center door
- > Unhanded
- > Material: Zinc die-cast

Finish

aluminum

Item No.

361.81.912



- > Single door
- > Use on door with bottom mounted or top mounted lock
- > Edge mounts to glass door with ABS screw
- > Glass thickness: 4–5 mm (5/32"–3/16")
- > Material: Zinc die-cast

Finish

aluminum

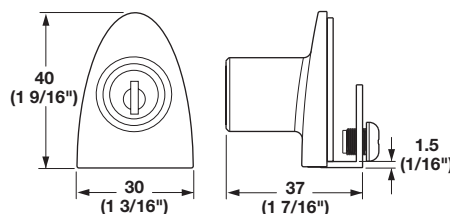
Item No.

154.28.900

Supplied With

ABS screw

Single Door Lock with Strike Plate



- > Edge mounts to glass door with two ABS plastic screws
- > Closure travel: 180°
- > Glass thickness: 4–5 mm (5/32"–3/16")
- > Keyed alike #D20
- > Material: Zinc die-cast

Finish

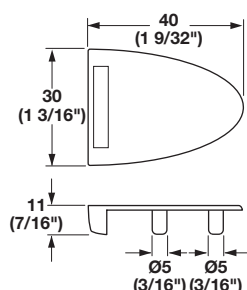
aluminum

Item No.

233.54.901

Supplied With

2 Keys
2 ABS plastic screws
Strike plate



- > Edge strike plate for single door
- > Press fit
- > Glass door must be flush with edge of cabinet
- > Edge mounts to cabinet
- > Boring required for press fit pins: Ø5 x 9 mm (3/16" x 11/32")
- > Material: Zinc die-cast

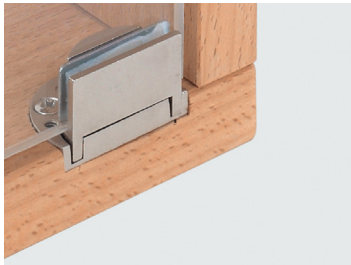
Finish

aluminum

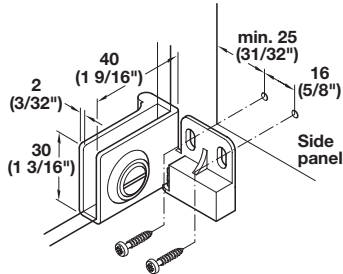
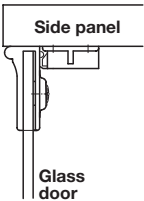
Item No.

233.54.990

Inset Door Hinges

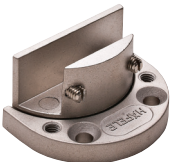


Opening angle: **180°**

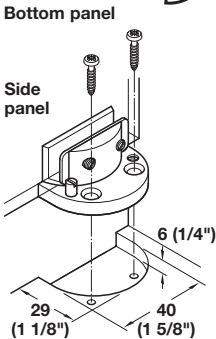
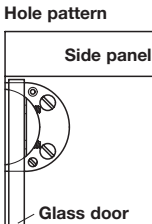
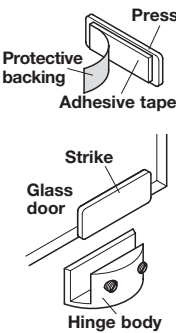


- > With catch
- > Economy version of a non-bore glass door hinge
- > Screw mounted to side of cabinet
- > Vertical adjustment with oblong holes
- > Glass thickness: max. 6 mm (1/4")
- > Door weight: max. 4 kg (8.8 lbs.)
- > Door W x H: max. 350 x 800 mm (13 3/4" x 31 1/2")
- > Gap between glass and panels: min. 2.5 mm (3/32")
- > Material: Zinc die-cast

Finish	Item No.
textured chrome-plated polished	361.93.240
Supplied With Left/right hinge	



Opening angle: **95°**



- > Screw mounted
- > Reversible for left or right use
- > Glass thickness: 6 mm (1/4")
- > Door weight: max. 4 kg (8.8 lbs.)
- > Door W x H: max. 350 x 800 mm (13 3/4" x 31 1/2")
- > Material: Zinc die-cast

Finish	Item No.
nickel-plated matte	361.49.603

Installation
Remove protective backing from adhesive tape.
Position pressure plate on glass door.
Attach hinge body to base.
Adjust glass door.
Tighten mounting screws.

Dimensional data not binding. Dimensions in mm, inches are approximate. We reserve the right to alter specifications without notice.

Flat head screws	pages 13.7-13.8, 13.10, 13.13
Pan head screws	pages 13.9-13.10

→ Lightweight for Inset Doors



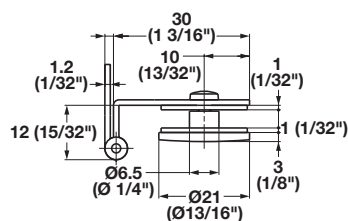
Steel/
chrome-plated



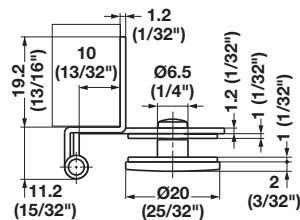
- > Screw mounted
- > Drill hole required Ø: 8 mm (5/16")
- > Opening angle 180°
- > Door weight/pair: max. 4 kg (8.8 lbs.)
- > Door W x H: max. 450 x 700 mm (17 11/16" x 27 9/16")

Material/Finish	Type	Model No.	Item No.
Steel/chrome-plated	inset	GH-34/0/CR-P	361.46.200
304 Stainless Steel	inset	GH-34/0/S-P	361.46.010
Steel/chrome-plated	overlay	GH-34/8/CR	361.46.205

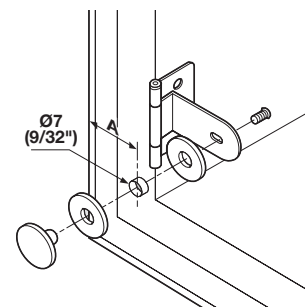
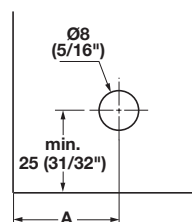
Inset



Half Overlay



Cut Out Dimension

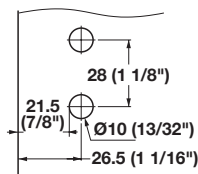


Glass Thickness	A
4 (5/32")	19
5 (13/16")	18
6 (15/64")	17

→ Mid-size



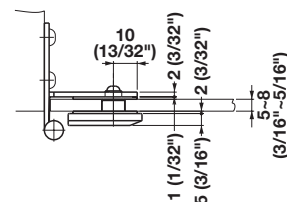
Inset Cut Out Dimension



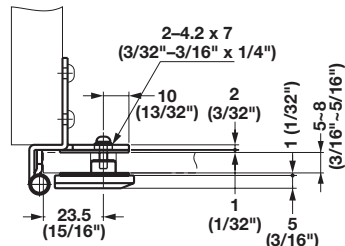
- > For use in applications where resistance to corrosion is needed
- > Drill hole required Ø: 2–10 mm (3/32"–13/32")
- > Glass thickness: 5–8 mm (3/16"–5/16")
- > Door W x H: max. 650 x 900 mm (25 9/16" x 35 7/16")
- > Door weight/pair: max. 12 kg (26.4 lbs.)
- > Material: 304 Stainless Steel; Cover: Zinc; Finish: chrome-plated

Type	Model No.	Item No.
inset	XL-GH03/48-0	361.46.040
overlay	XL-GH03-48-8	361.46.041

Inset



Half Overlay



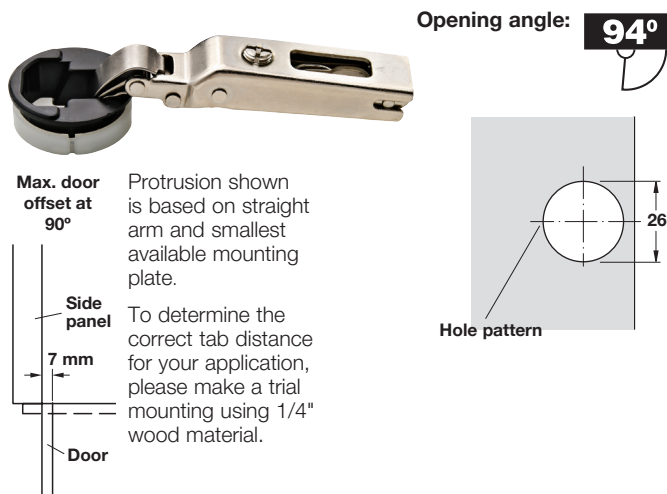
Salice



- > Self-closing
- > Screw mounted
- > Glass thickness: 4–6 mm (5/32"–1/4")
- > Side panel thickness: min. 16 mm (5/8")
- > Tab: 5.5–6.5 mm (3/16"–1/4")
- > Material: Steel

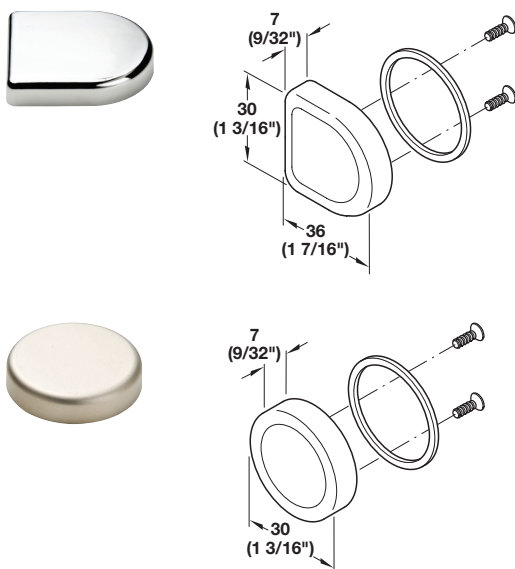
Note

Trim caps sold separately, select desired shape and finish below.



Mounting	Hinge arm	Hinge type	Model	Item No.
full		14.5	C2C7A39	329.21.500
half		5.5	C2C7G39	329.21.511
inset		-2.5	C2C7P39	329.21.532

→ Trim Caps



- > D-shaped
- > Material: Plastic

Color	Model	Item No.
chrome-plated polished	P2CBA06	329.22.220
silver	P2CBA09	329.22.920

- > Round
- > Material: Plastic

Color	Model	Item No.
chrome-plated polished	P2CTA06	329.22.210
silver	P2CTA09	329.22.910
black	P2CTAX3	329.22.310

Dimensional data not binding. Dimensions in mm, inches are approximate. We reserve the right to alter specifications without notice.

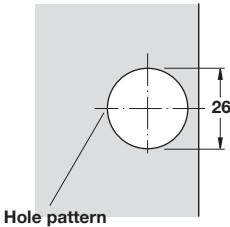
Häfele A-Series



full overlay



half overlay



Overlay	Item No.
full	315.61.700
half	315.61.701

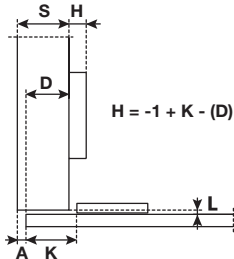
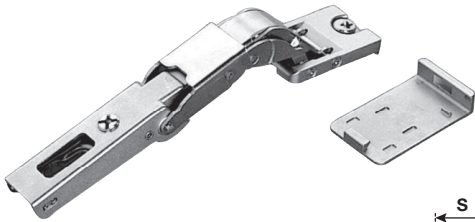
→ Cover Caps



Finish	Item No.
chrome	315.59.080
black	315.59.081

Salice

Opening angle: **110°**



- > Glass drilling is not required
- > Possible fixing distance on the door (K): 0–22 mm (7/8")
- > Material: Steel; Finish: nickel-plated

Note

Salice Series B (CBG) hinges have been developed for use on glass doors and mirrors. Salice will accept no responsibility for any problems associated with the type of adhesive or method of application when used in conjunction with Series B hinges, nor for any consequences of the incorrect mounting of the door. It is recommended that the selected adhesive is subjected to prior testing. The adhesive may be considered appropriate if the plate, when fixed to the glass, can sustain a minimum torsion load of 160 Nm.

Version	Model	Item No.
self-close	CBG2AC9	329.26.622
soft close	CBG2AE9	329.26.625

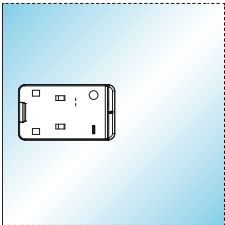
Note

Select mounting plates, see page 9.40.

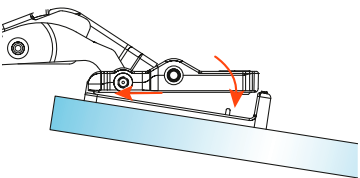
Note

The hinge plate must be attached to the glass door or mirror by a special adhesive. We recommend that this operation is carried out by a specialist company. For further information on adhesives and their application, please contact the adhesive manufacturer or your glass supplier.

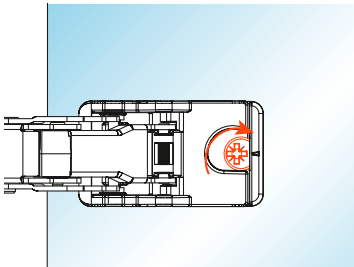
1 Locate plate



2 Snap hinge onto the plate when properly bonded



3 Rotate fixing cam screw to lock-in place



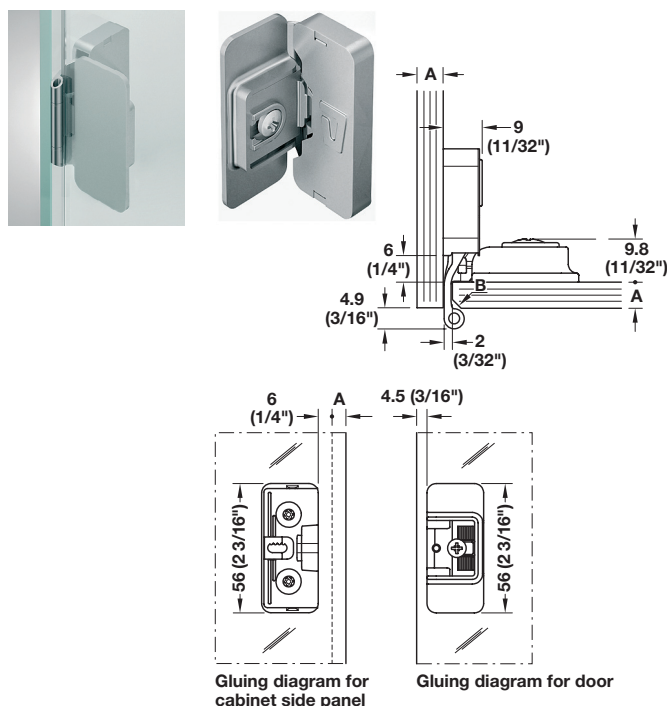
Dimensional data not binding. Dimensions in mm, inches are approximate. We reserve the right to alter specifications without notice.

Inset Door Hinge

- > For inset doors
- > With exposed axle and spring
- > Opening angle depends on glass thickness
- > 3-dimensionally adjustable for door alignment with millimeter accuracy
- > Glass thickness: max. 10 mm (13/32")

Glass thickness A	4	5	6	7	8	10
Min. chamfer B	–	1 x 45°	2 x 45°	3 x 45°	4 x 45°	6 x 45°

→ Glass to Glass



Gluing diagram for cabinet side panel

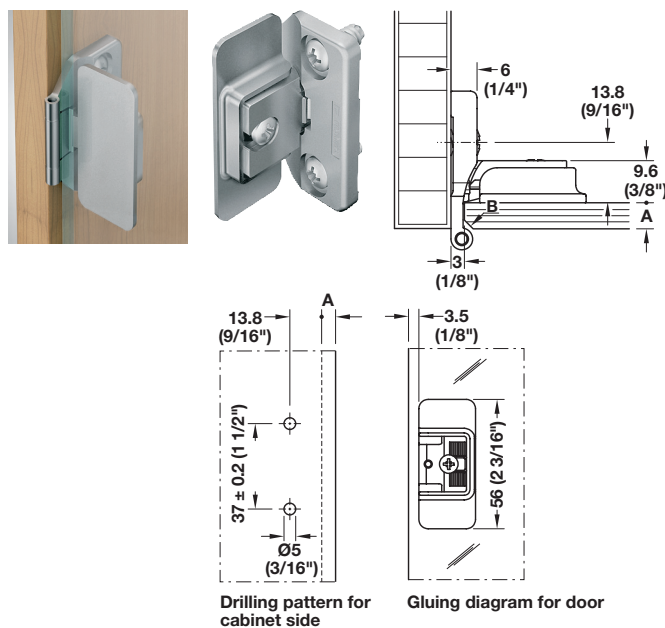
Gluing diagram for door

- > Glue mounted
- > Adjustment facility: side adjustment: +2 mm (3/32")
height adjustment: ±2 mm (3/32")
depth adjustment: ±2 mm (3/32")
- > Opening angle: max. 220°
- > Material: Stainless Steel, matte

Item No.
344.89.080

Supplied With
Mounting Instructions

→ Glass to Wood



Drilling pattern for cabinet side

Gluing diagram for door

- > Glue or screw mounted to the side panel
- > Adjustment facility: side adjustment: +2 mm (3/32")
height adjustment: ±1 mm (1/32")
- > Opening angle: max. 195°
- > Material: Zinc Alloy
Adapter for glue mounting: Stainless Steel, matte

Finish

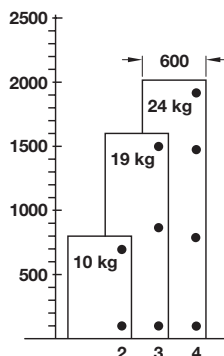
nickel-plated

Item No.

344.89.090

Supplied With

Mounting Instructions



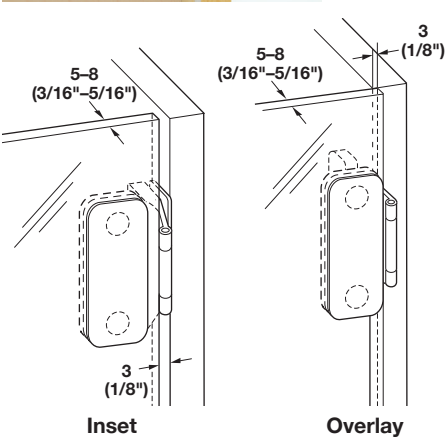
Number of hinges per door

- > Sample measurements for 8 mm (5/16") glass thickness
- > Hinge distance: min. 500 mm (19 11/16")
- > Door width: max. 600 mm (23 5/8")
- > The door's width must not exceed its height

Aximat® Glass to Wood



- > Available for overlay and inset doors
- > Elegant front plate and only 5 mm (3/16") of visible knuckle
- > Integrated catch keeps doors closed, additional magnetic catches are not required
- > Height adjustment with oblong holes: ± 1 mm (1/32")
- > Door overlay (side to side) adjustment with oblong holes: +1 mm (1/32")
- > Screw mounted
- > Side panel thickness: min. 19 mm (3/4")
- > Material: Zinc; Finish: matte nickel



Opening angle	Overlay	Item No.
230°	door overlay 3 (1/8") + knuckle 3 (1/8") = 6 (1/4")	344.89.760
180°	inset = 3 (1/8") gap between door and side panel	344.89.750

Supplied With
Mounting screws
Plastic protective spacers for glass

Dimensional data not binding. Dimensions in mm, inches are approximate. We reserve the right to alter specifications without notice.

Custom Order Doors

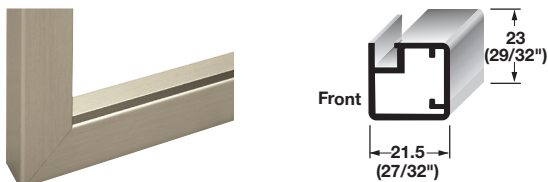


How to order:

1. Select frame profile and glass
 2. Hinge type and overlay
 3. Provide details and dimensions on hinge sizes and drilling locations
- > Hinged doors: hinge attachment through machined cut-outs
> Material: Aluminum

Service+

→ Profile 1905

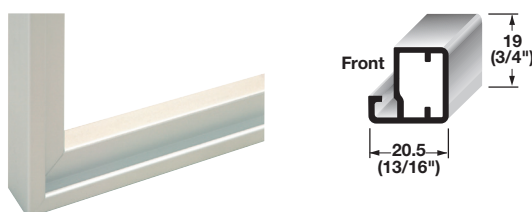


- > W x H: 21.5 x 23 mm (27/32" x 29/32")
- > Door height: min. 127 mm (5")
max. 1500 mm (59 1/16")
- > Door width: min. 127 mm (5")
max. 508 mm (20")

Finishes

anodized, matte
brushed stainless steel
polished aluminum
white
bronze
black

→ Profile 1930

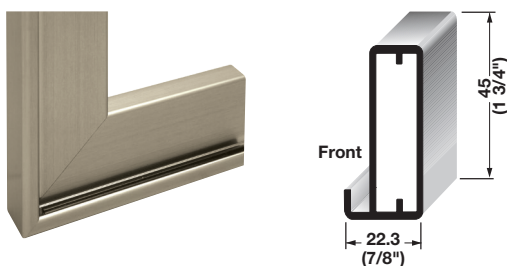


- > W x H: 20.5 x 19 mm (13/16" x 3/4")
- > Door height: min. 127 mm (5")
max. 1500 mm (59 1/16")
- > Door width: min. 127 mm (5")
max. 508 mm (20")

Finish

anodized, matte

→ Profile 1933

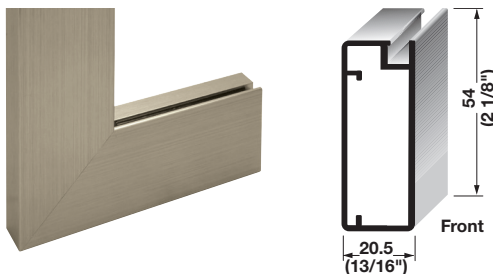


- > W x H: 22.3 x 45 mm (7/8" x 1 3/4")
- > Door height: min. 127 mm (5")
max. 2438 mm (96")
- > Door width: min. 127 mm (5")
max. 610 mm (24")

Finishes

anodized, matte
brushed stainless steel
white
bronze
black

→ Profile 1927



- > W x H: 20.5 x 54 mm (13/16" x 2 1/8")
- > Door height: min. 157 mm (6 3/16")
max. 2438 mm (96")
- > Door width: min. 157 mm (6 3/16")
max. 610 mm (24")

Finishes

anodized, matte
brushed stainless steel
white
bronze
black

Custom Order Doors

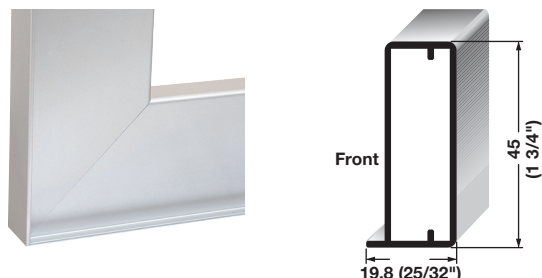
How to order:

1. Select frame profile and glass
2. Hinge type and overlay
3. Provide details and dimensions on hinge sizes and drilling locations

- > Hinged doors: Hinge attachment through machined cut-outs
- > Material: Aluminum

Service+

→ Profile 1955



- > W x H: 19.8 x 45 mm (25/32" x 1 3/4")
- > Door height: min. 127 mm (5")
max. 2438 mm (96")
- > Door width: min. 127 mm (5")
max. 610 mm (24")

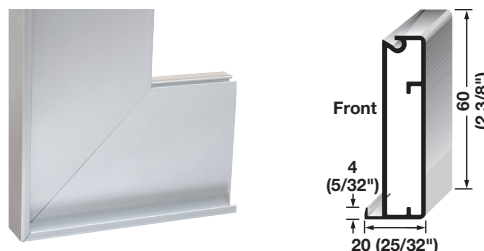
Finishes

anodized, matte
brushed stainless steel
white
bronze
black
gold

Note

Häfele recommends opaque, back-painted or mirror infill panel to conceal the adhesive.

→ Profile 1919

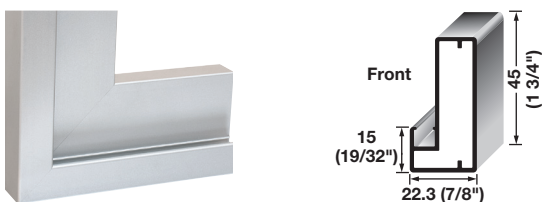


- > W x H: 20 x 60 mm (25/32" x 2 3/8")
- > Door height: min. 157 mm (6 3/16")
max. 2438 mm (96")
- > Door width: min. 157 mm (6 3/16")
max. 610 mm (24")

Finishes

anodized, matte
white
bronze
black
gold

→ Profile 1936

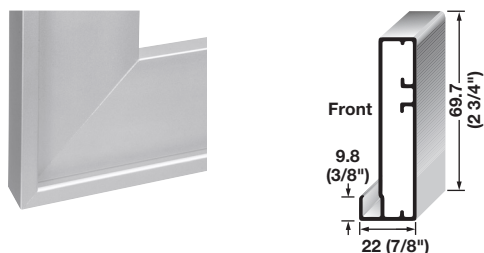


- > W x H: 22.3 x 45 mm (7/8" x 1 3/4")
- > Door height: min. 127 mm (5")
max. 2438 mm (96")
- > Door width: min. 127 mm (5")
max. 610 mm (24")

Finishes

anodized, matte
brushed stainless steel
white
bronze
black

→ Profile 1939



- > W x H: 22 x 69.7 mm (7/8" x 2 3/4")
- > Door height: min. 157 mm (6 3/16")
max. 2438 mm (96")
- > Door width: min. 157 mm (6 3/16")
max. 610 mm (24")

Finishes

anodized, matte
white
bronze
black
gold

Custom Order Doors

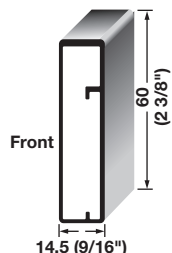
How to order:

1. Select frame profile and glass
2. Hinge type and overlay
3. Provide details and dimensions on hinge sizes and drilling locations

- > Hinged doors: Hinge attachment through machined cut-outs
- > Material: Aluminum

Service+

→ Profile 1960



- > W x H: 14.5 x 60 mm (9/16" x 2 3/8")
- > Door height: min. 157 mm (6 3/16")
max. 2438 mm (96")
- > Door width: min. 157 mm (6 3/16")
max. 610 mm (24")

Finishes

anodized, matte

white

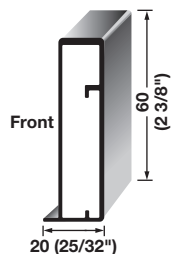
bronze

black

Note

Häfele recommends opaque, back painted or mirror infill panel to conceal the adhesive.

→ Profile 1965



- > W x H: 20 x 60 mm (25/32" x 2 3/8")
- > Door height: min. 157 mm (6 3/16")
max. 2438 mm (96")
- > Door width: min. 157 mm (6 3/16")
max. 610 mm (24")

Finishes

anodized, matte

brushed stainless steel

polished aluminum

white

bronze

black

Note

Häfele recommends opaque, back painted or mirror infill panel to conceal the adhesive.

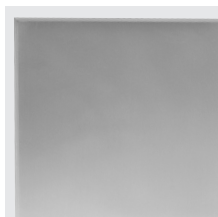
Infill Options

- > Specify infill panels for use with aluminum profiles
- > Please inquire for additional infill options
- > All etch finishes use low iron glass and acid etch front
- > All glass is low iron and tempered

Service+

GLASS

SOFT ETCH
MIRROR



MIRROR



GREY CELSIUS
SOFT ETCH MIRROR



GREY TINT



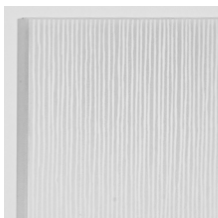
PEARL SOFT ETCH



LOW IRON
SOFT ETCH



CANNES
SOFT ETCH



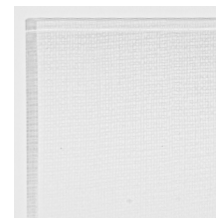
BRONZE CELSIUS
SOFT ETCH MIRROR



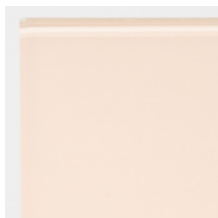
BRONZE
SOFT ETCH MIRROR



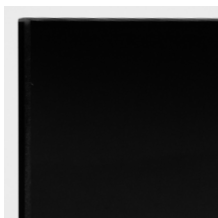
STRUCTURE



SILK SOFT ETCH
BACK PAINTED



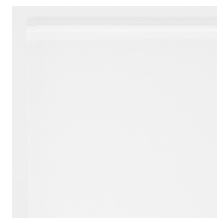
BLACK SOFT ETCH
BACK PAINTED



SKY
BACK PAINTED



WHITE
BACK PAINTED



CLEAR



CROSS FUZZY



CROSS FUZZY
BRONZE MIRROR



CROSS FUZZY
GREY MIRROR



BRONZE TINT
SOFT ETCH



RESIN

VARIA SWEPT
SILVER



VARIA FOSSIL LEAF
RANDOM

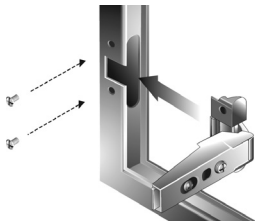


VARIA QUATTRO
CARBON 2



Dimensional data not binding. Dimensions in mm, inches are approximate. We reserve the right to alter specifications without notice.

Salice Hinges

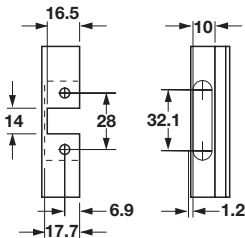


Opening angle: **105°**

- > Developed for use with metal profiles
- > To be used with aluminum doors on pages **9.114-9.117**

Note
Select appropriate Salice mounting plate, see pages **9.39-9.44**

Service+



- > Screw mounted
- > Self-closing
- > Material: Steel; Finish: nickel-plated

Mounting	Hinge arm	Model	Item No.
full overlay		C2Z6A99	329.23.610
half overlay		C2Z6G99	329.23.630
inset		C276P99	329.23.640

→ Mounting Screws

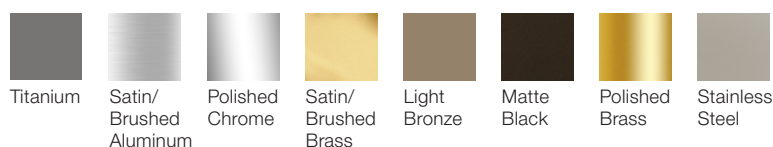


- > Self-tapping sheet metal screw for attaching hardware to aluminum frame doors
- > Phillips #7 x 1/2", CSK with undercut head
- > Material: Steel

Finish	Item No.
zinc-plated	010.94.902

Supplied With
50 pcs.

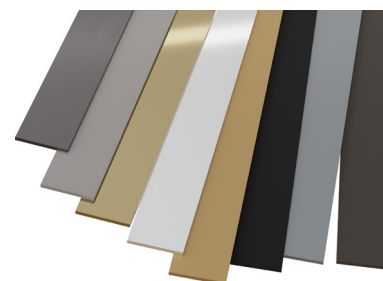
Metallic Cabinet Accents



- > Anodized aluminum creates bright and beautiful metal accents
- > Use as an onlay or inset into a cabinet frame or door
- > Double-sided UHB tape is available to securely adhere strapping and bars, see page **9.121**



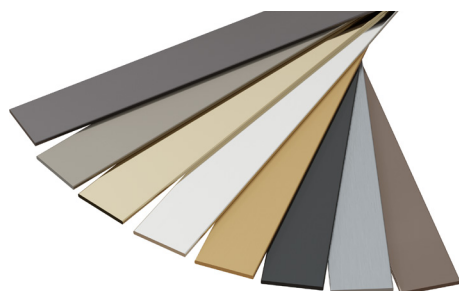
→ .75" x .063" Aluminum Strapping



> W x T x L: .75" X .063" X 72"

Finish	Item No.
satin/brushed aluminum	194.80.044
polished chrome	194.80.244
satin/brushed brass	194.80.544
light bronze	194.80.144
matte black	194.80.344
polished brass	194.80.045
stainless steel	194.80.046
titanium	100.00.161

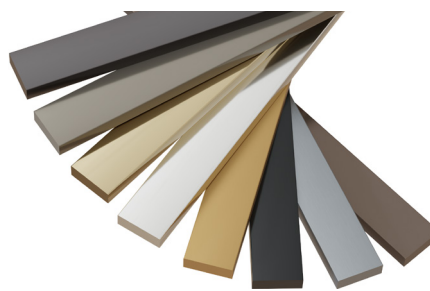
→ 1.25" x .094" Aluminum Strapping



> W x T x L: 1.25" x .094" x 72"

Finish	Item No.
satin/brushed aluminum	194.80.011
polished chrome	194.80.211
satin/brushed brass	194.80.511
light bronze	194.80.111
matte black	194.80.311
polished brass	194.80.012
stainless steel	194.80.013
titanium	100.00.158

→ .75" x .25" Aluminum Strapping

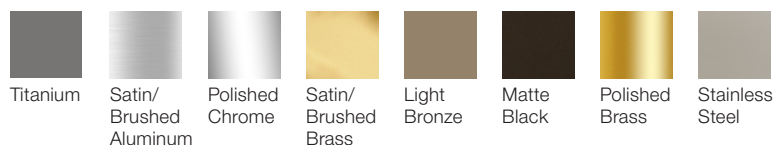


> W x T x L: .75" X .25" X 72"

Finish	Item No.
satin/brushed aluminum	194.80.023
polished chrome	194.80.223
satin/brushed brass	194.80.523
light bronze	194.80.123
matte black	194.80.323
polished brass	194.08.024
stainless steel	194.08.025
titanium	100.00.159

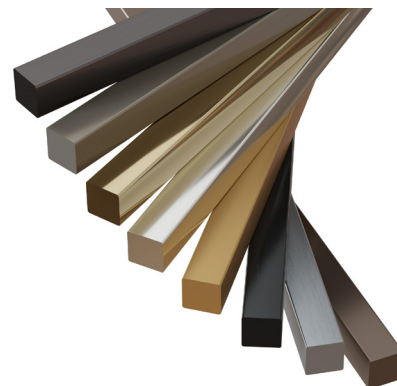
Dimensional data not binding. Dimensions in mm, inches are approximate. We reserve the right to alter specifications without notice.

Metallic Cabinet Accents



- > Anodized aluminum creates bright and beautiful metal accents
- > Double-sided UHB tape is available to securely adhere strapping and bars, see page 9.121

→ .25" x .25" Aluminum Bar

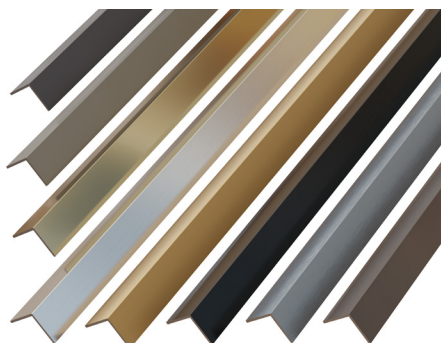


- > Use as an onlay, apply to the face of a cabinet door
- > W x T x L: .25" X .25" x 72"

Finish	Item No.
satin/brushed aluminum	194.80.032
polished chrome	194.80.232
satin/brushed brass	194.80.532
light bronze	194.80.132
matte black	194.80.332
polished brass	194.80.033
stainless steel	194.80.034
titanium	100.00.160

9

→ .875" x .063" Aluminum L-Channel



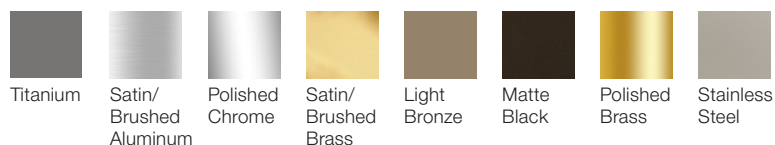
- > Use as an onlay, apply to the face of a cabinet door
- > W x T x L: .875" x .063" x 72"

Finish	Item No.
satin/brushed aluminum	194.80.050
polished chrome	194.80.051
satin/brushed brass	194.80.053
light bronze	194.80.055
matte black	194.80.056
polished brass	194.80.052
stainless steel	194.80.054
titanium	100.00.162

Hinges and Stays

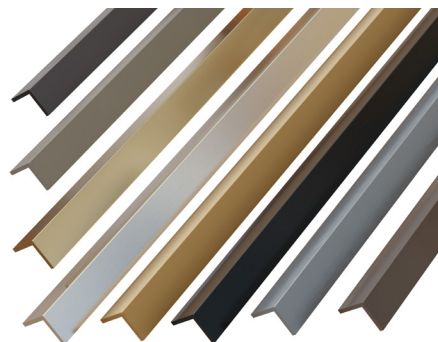
Dimensional data not binding. Dimensions in mm, inches are approximate. We reserve the right to alter specifications without notice.

Metallic Cabinet Accents



- > Anodized aluminum creates bright and beautiful metal accents
- > Double-sided UHB tape is available to securely adhere strapping and bars, see below

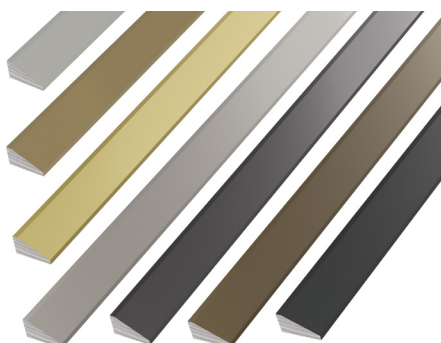
→ .063" x .5" Aluminum L-Channel



- > Use as an onlay, apply to the face of a cabinet door
- > W x T x L: .5" x .063" x 72"

Finish	Item No.
satin/brushed aluminum	194.80.000
polished chrome	194.80.200
satin/brushed brass	194.80.500
light bronze	194.80.100
matte black	194.80.300
polished brass	194.80.001
stainless steel	194.80.002
titanium	100.00.157

→ .438" x .25" Aluminum Angled Bar



- > Use as an onlay, apply to the face of a cabinet door
- > W x T x L: .438" x .25" x 92"

Finish	Item No.
polished chrome	100.00.150
polished brass	100.00.151
satin brass	100.00.152
bronze	100.00.155
matte black	100.00.156
stainless steel	100.00.153
titanium	100.00.154

→ Double-sided UHB Tape

- > For use with all strapping and bars

W x L	Item No.
.1875" x 54'	003.58.113
.1875" x 8'	003.58.112
.5" x 108'	003.58.111
.5" x 8'	003.58.110

Dimensional data not binding. Dimensions in mm, inches are approximate. We reserve the right to alter specifications without notice.

Metallic Cabinet Accents



Satin/
Brushed
Aluminum



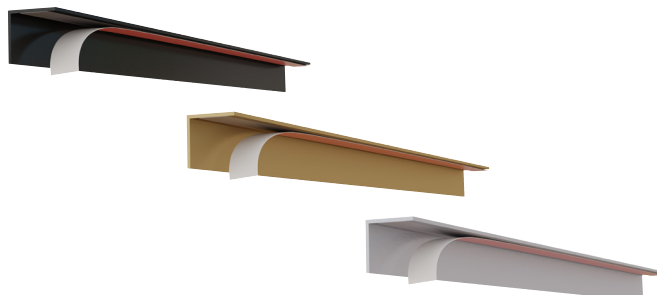
Satin/
Brushed
Brass



Matte
Black

- > Anodized aluminum creates bright and beautiful metal accents
- > Double-sided UHB tape is included to securely adhere drip edge profiles

→ Drip Edge Profile



- > W x T: .875" x .063"
- > Material: Aluminum

Length	Finish	Item No.
11.8125"	brushed aluminum	100.00.163
11.8125"	satin brass	100.00.164
11.8125"	matte black	100.00.165
12.75"	brushed aluminum	194.80.060
12.75"	satin brass	194.80.062
12.75"	matte black	194.80.061
14.5"	brushed aluminum	194.80.063
14.5"	satin brass	194.80.065
14.5"	matte black	194.80.064
14.8125"	brushed aluminum	100.00.169
14.8125"	satin brass	100.00.170
14.8125"	matte black	100.00.171
15.75"	brushed aluminum	194.80.066
15.75"	satin brass	194.80.068
15.75"	matte black	194.80.067
17.5"	brushed aluminum	194.80.069
17.5"	satin brass	194.80.071
17.5"	matte black	194.80.070
17.8125"	brushed aluminum	100.00.172
17.8125"	satin brass	100.00.173
17.8125"	matte black	100.00.174

Length	Finish	Item No.
18.75"	brushed aluminum	100.00.178
18.75"	satin brass	100.00.179
18.75"	matte black	100.00.180
20.50"	brushed aluminum	100.00.181
20.50"	satin brass	100.00.182
20.50"	matte black	100.00.183
20.813"	brushed aluminum	100.00.187
20.813"	satin brass	100.00.188
20.813"	matte black	100.00.189
21.75"	brushed aluminum	100.00.190
21.75"	satin brass	100.00.191
21.75"	matte black	100.00.192
23.50"	brushed aluminum	100.00.193
23.50"	satin brass	100.00.194
23.50"	matte black	100.00.195
23.844"	brushed aluminum	100.00.196
23.844"	satin brass	100.00.197
23.844"	matte black	100.00.198

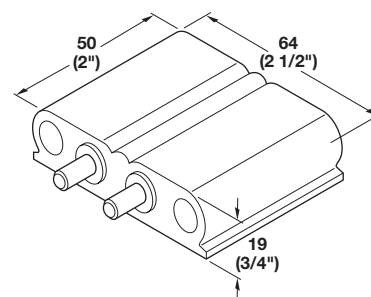
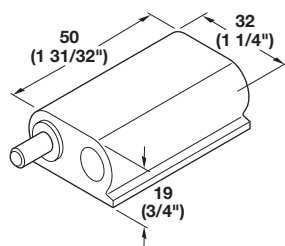
Soft Close Magnetic Catches

Specifically designed to provide soft close on inset doors with decorative free-swinging hinges. Typical application is high-end custom kitchen cabinets.

- > Utilizes Neodymium magnets and Smove shock absorbers to gently pull doors closed
- > Magnets are separated by a rubber bumper
- > 2 units per door are recommended; 1 on top and 1 on bottom
- > Magnets are strong enough to pull in warped doors, max. approximately 6 mm (1/4")
- > For frameless or face frame construction
- > Wood Species: Maple

Note

Additional wood species available: unfinished red oak, cherry and walnut.



> Single door

Finish	Item No.
clear coat	356.31.100
unfinished	356.31.110

Supplied With

L/H & R/H catches with Smoves & magnets installed
Mounting screws
2 door magnets with matching mounting screws
2 door bumpers

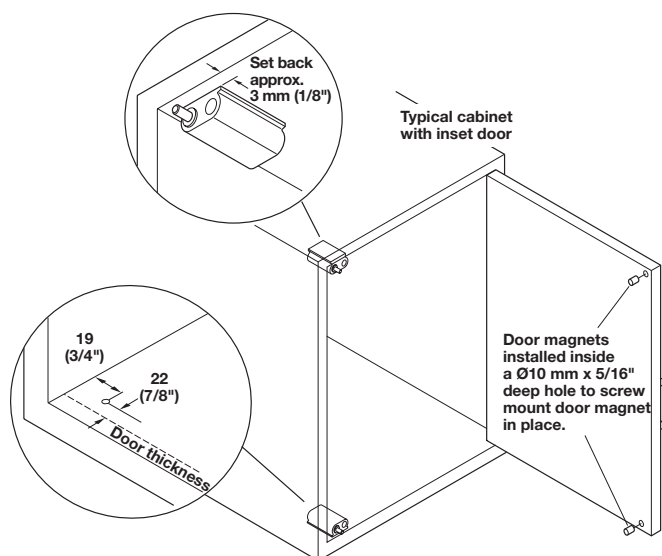
> Double door

Finish	Item No.
clear coat	356.31.120
unfinished	356.31.130

Supplied With

Double catch with Smoves & magnets installed,
Mounting screws, 2 door magnets with matching mounting screws,
2 door bumpers

→ Drill Bit

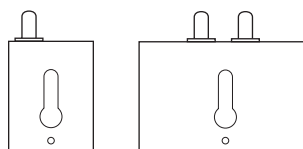


Note

Single catches are supplied in pairs; L/H and R/H. For a better appearance align the top and bottom magnets. Make sure magnet is closest to the hinge side.

- > Ø: 10 mm (13/32")
- > For door magnet

Item No.
006.47.076



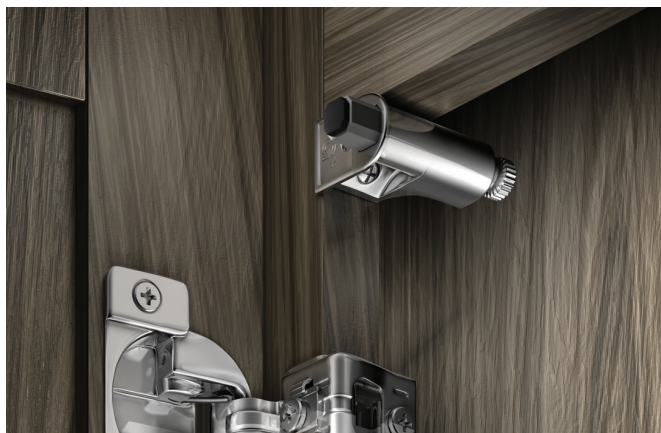
Note

Recommended pilot hole location for keyhole screw:
19 mm (3/4") from side panel or edge of stile on face frame cabinets
Set back from front edge; door thickness + 22 mm (7/8")
For face frame construction, please provide your own shims if cabinet floor is not flush with top of rail.

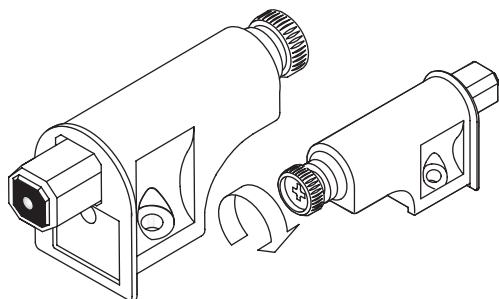
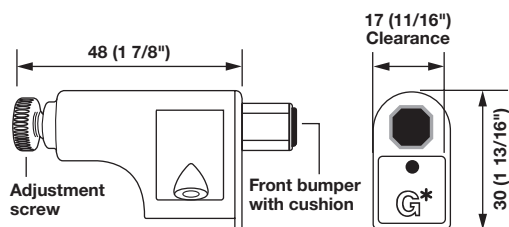
Note

Easy to install keyhole slot in bottom offers approx. 12 mm (15/32") of front-to-back adjustment. When proper location is established, install additional 16 mm (5/8") screw via hole in back.

Grass Unisoft Soft Close



- > For face frame cabinets on all door overlays and 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
- > Has a scratch protector and front bumper with cushion for a quiet close



Adjustment

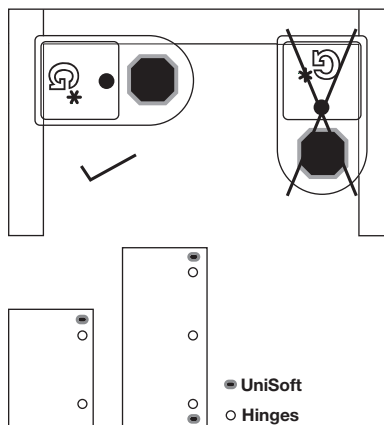
Turn adjustment screw to move damper in and out. Adjust in for heavier doors or out for light doors. Use phillips or pozi drive screwdriver or adjust manually.

Model No.	Item No.	Packing/pcs.
18971-37	356.15.650	1
18971-14	356.15.652	25

Supplied With

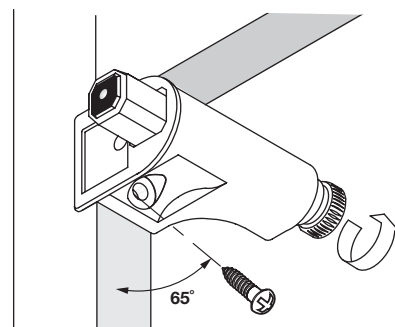
#6 x 3/4" pan head screw

Mounting



Number per door

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

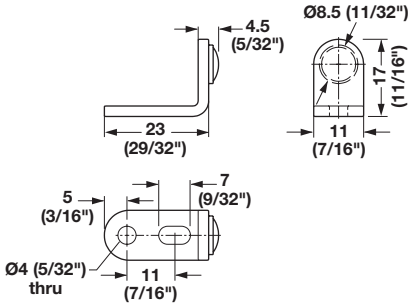
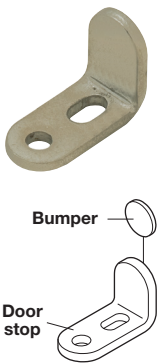


Important: Use a 65° angle for best mounting results. Pilot drill Ø2.3 mm (3/32") and 6 mm (1/4") deep for a #6 x 3/4". Mount in upper corner on hinge side.

Door Stops with Bumper

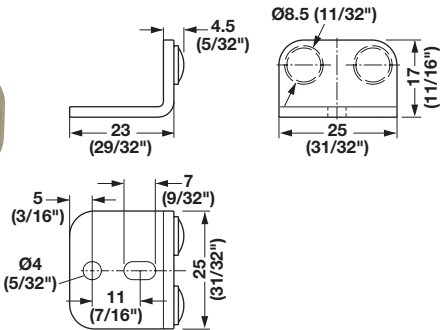
- > For inset doors with self-closing concealed hinges
- > Various door stop applications
- > Material: Bracket: Steel; Bumper: Polyurethane, transparent

→ Single Door



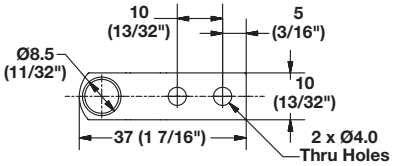
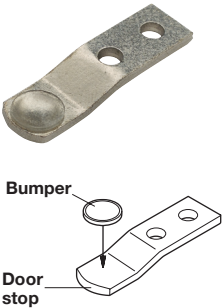
Finish	Item No.
nickel-plated	251.79.602
Supplied With 48 Brackets 48 Bumpers Polybag	

→ Double Door



Finish	Item No.
nickel-plated	251.79.604
Supplied With 48 Brackets 96 Bumpers Polybag	

→ Bracket



- > Use with revolving kitchen corner units

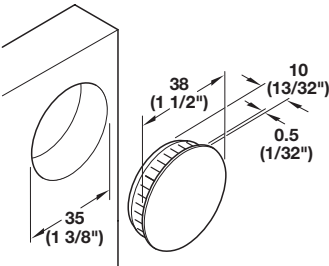
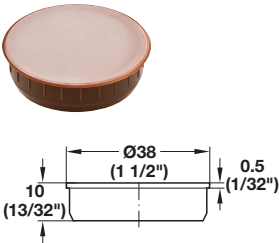
Finish	Item No.
nickel-plated	251.79.600
Supplied With 48 Brackets 48 Bumpers Polybag	

Note
Bumpers do not come attached. Wood screws must be ordered separately.

Dimensional data not binding. Dimensions in mm, inches are approximate. We reserve the right to alter specifications without notice.

Door Stop Accessories

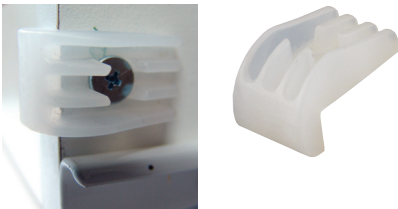
→ Trim Caps



- > For hinge cup holes
- > Ø: 35 mm (1 3/8")
- > Material: Plastic

Color	Item No.
white	340.41.702
brown	340.41.104

→ Drawer Bumper



- > Peel and stick or attach with screws
- > Protects your cabinet doors
- > Material: UHMW, transparent

Item No.
430.07.400

Supplied With
10 pcs.

→ Drawer Bumper Screws



- > Full thread
- > Length: #6 x 5/8"
- > Material: Steel

Finish	Item No.
zinc-plated	430.07.409

Supplied With
100 pcs.

→ Cabinet Bumper

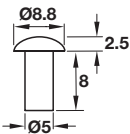


- > Corrects overextended cabinet doors
- > Camming action allows for fine adjustment
- > Install with one #6 x 1/2" screw per bumper
- > Material: Nylamax, transparent

Item No.
356.24.030

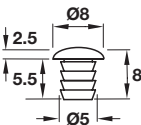
Supplied With
10 pcs.

Door Bumpers



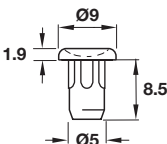
- > Press fit
- > Stiff stem to allow easy insertion
- > Tender bumper for silent closing
- > Material: Stem: Plastic; Bumper: Soft Rubber, transparent

Color	Item No.
transparent	356.20.423
white	356.20.460
anthracite	356.20.532



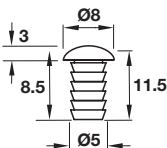
- > Press fit
- > Material: Plastic, transparent

Item No.
356.16.025



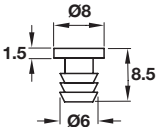
- > Press fit
- > Material: Plastic, transparent

Item No.
356.18.010



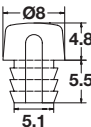
- > Press fit
- > Material: Plastic, transparent

Item No.
356.17.010



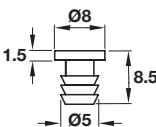
- > Press fit
- > Material: Plastic, transparent

Item No.
356.20.421



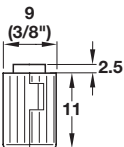
- > Press fit
- > Material: Plastic, transparent

Item No.
356.16.005



- > Material: Plastic

Color	Item No.
black	356.16.315
transparent	356.16.035

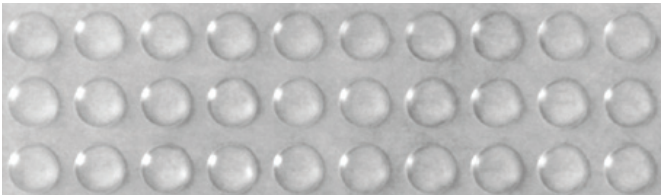


- > Press fit
- > 2-piece silent touch
- > Material: Plastic

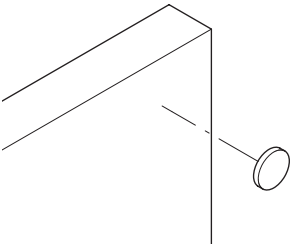
Color	Item No.
silver/transparent	356.19.940

Dimensional data not binding. Dimensions in mm, inches are approximate. We reserve the right to alter specifications without notice.

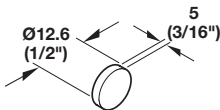
Door Bumpers



- > Quick setting, synthetic rubber-based adhesive
- > Manufactured with UV inhibitors to prevent yellowing over time
- > UL 94 HB approved (polyurethane bumpers)



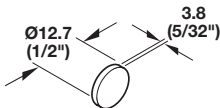
→ Silent Bumper 2, BS-58SD



- > Designed for use with face frame
- > Material: 100% Polyurethane, transparent

Item No.	Packing/pcs.
356.25.480	5,000
356.25.485	1,000

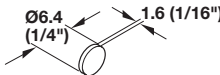
→ Silent Bumper, BS-33SD



- > Softer material and 2-stage impact reduces physical force of impact by more than half
- > Material: 100% Polyurethane, transparent

Item No.	Packing/pcs.
356.25.450	5,000
356.25.455	1,000

→ Door Bumper, BS-40

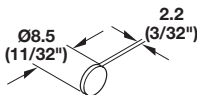


- > Material: 100% Polyurethane, transparent

Item No.
356.25.445

Supplied With
1,734 pcs.

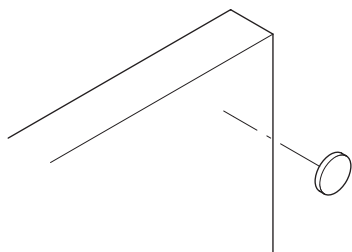
→ Door Bumper, BS-07



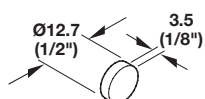
- > Material: 100% Polyurethane, transparent

Item No.	Packing/pcs.
356.21.428	5,040
356.21.425	1,350

Door Bumpers



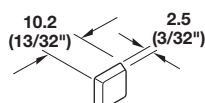
→ Door Bumper, BS-01



> Material: 100% Polyurethane, transparent

Item No.	Packing/pcs.
356.25.400	5,000
356.25.405	1,000

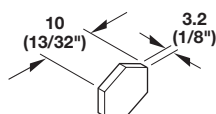
→ Door Bumper, BS-20



> Material: 100% Polyurethane, transparent

Item No.	Packing/pcs.
356.25.410	5,082
356.25.415	1,210

→ Door Bumper

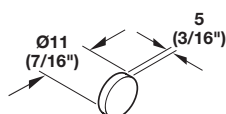


> Material: Foam

Color	Item No.
brown	356.25.123

Supplied With
1 Sheet = 209-220 pcs.

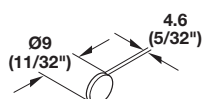
→ Door Bumper, BS-02



> Material: Plastic, transparent

Item No.	Packing/pcs.
356.26.400	1,210
356.26.401	5,082

→ Door Bumper, BS-67SD



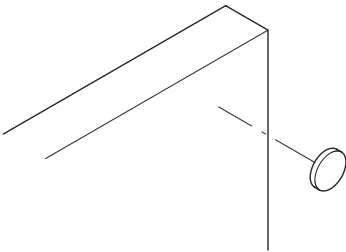
> Material: Plastic, transparent

Item No.
356.26.410

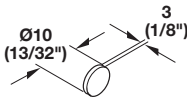
Supplied With
1,152 pcs.

Dimensional data not binding. Dimensions in mm, inches are approximate. We reserve the right to alter specifications without notice.

Door Bumpers



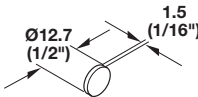
→ BS-10



> Material: Plastic, transparent

Item No.	Packing/pcs.
356.26.420	1,152
356.26.421	7,200

→ BS-05



> Material: Plastic, transparent

Item No.	Packing/pcs.
356.26.440	1,000
356.26.441	5,000

→ BS-08



> Self-adhesive backing
> W x L: 18 x 10 mm (23/32" x 13/32")
> Material: Polyurethane

Color	Item No.
black	356.25.330
Supplied With 98 pcs./sheet	