



HINGES AND STAYS

Institutional Hinges



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| | | | |
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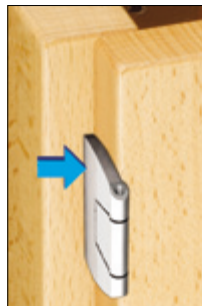
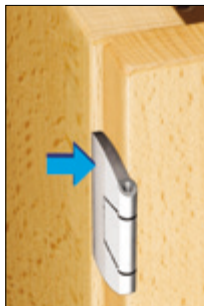
Aximat® 300 Single Pivot Hinge Series

Advantages

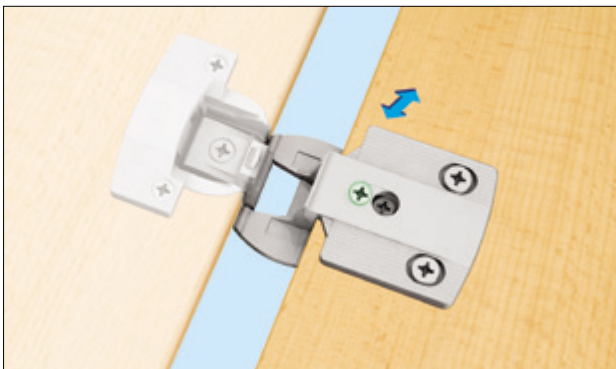
- Hinges have integrated door catch, no additional door catches required
- Uses fewer screws than a more traditional 5-knuckle hinge
- Easy 3D adjustability – no “brute force” bending (adjusting) required
- Can handle doors up to 600 mm (23 5/8”) wide

Applications

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



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.



Door overlay (side to side) adjustment is on the base plate as opposed to the door component. This offers continuous adjustment in both directions $\pm 1/2$ mm.

The Aximat® 300 from Häfele 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 shall weigh 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")

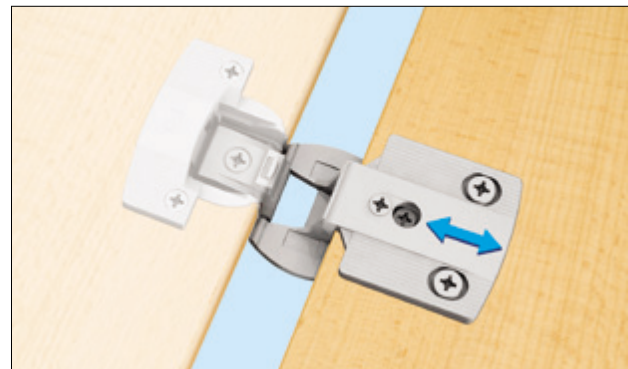
Security – Hinge Load Test

- 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 sag of door can not exceed .76 mm (1/32")
- Horizontal sag of door can not exceed .76 mm (1/32")

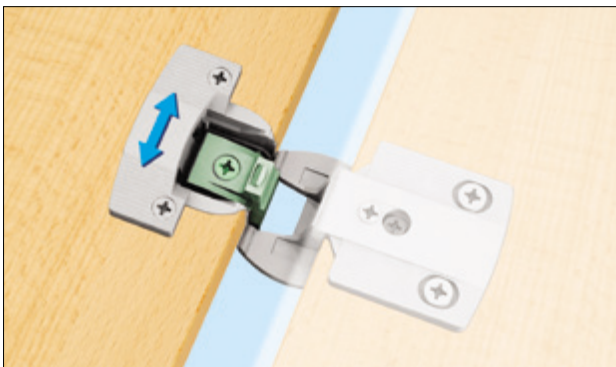
To put this test into perspective:

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.

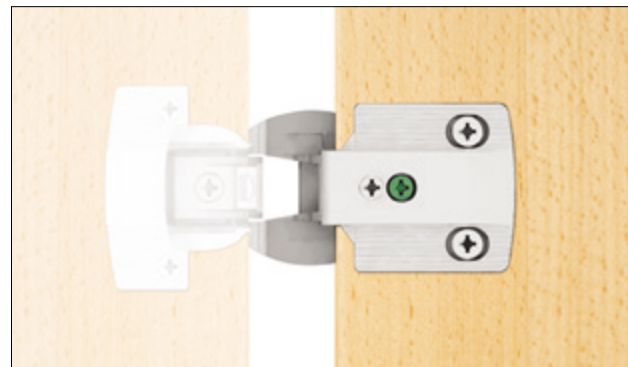
Test results from an independent testing laboratory are available upon request.



Depth adjustment is achieved with oblong holes ± 1 mm. This allows for application of door seals or to correct distortion of door.



Height adjustment (up and down) is on the door component rather than base plate. This means only the door moves and not the knuckle. This is particularly important on rows of cabinets when knuckles are back to back as they will stay in alignment.



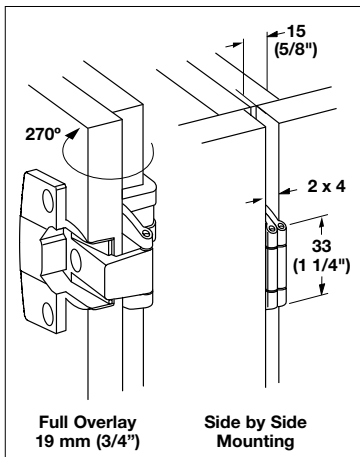
The important “Safety Screw” does not effect the adjustments. It can be pre-installed in the shop so it's not overlooked at the job site, avoiding expensive call backs.

Aximat® 300 Single Pivot Hinge

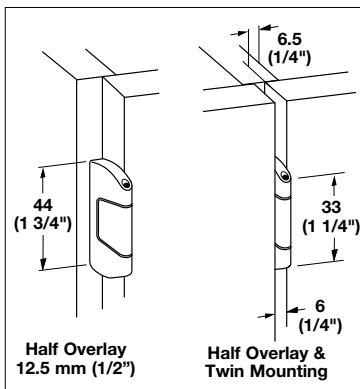
- Sleek sophisticated design, only 5 mm (3/16") of knuckle is visible
- Hinge arm component available with pre-installed expanding dowels for 5 mm holes, or for screw attachment
- Hinge cup component available in screw-mount or dowel-mount
- Arm and cup clip-together, no tools required
- For side panel thickness 19 mm (3/4")
- For door thicknesses up to 21 mm (13/16")
- Integrated catch keeps doors closed, no additional magnetic catches 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

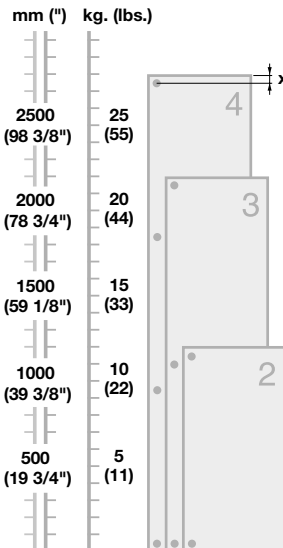
#6 wood screws for hinge attachment are not included.



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

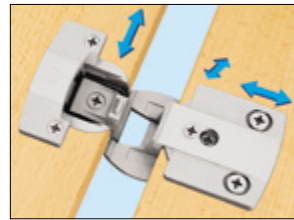


Door overlay 6.5 mm +
knuckle 6 mm = 12.5 mm (1/2")

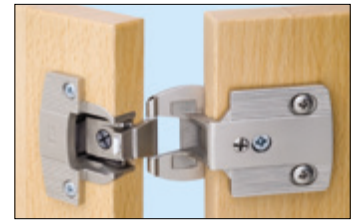


Recommended number of Hinges

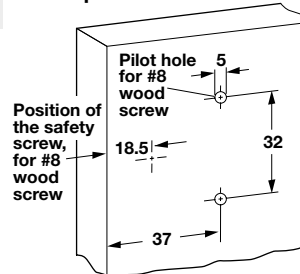
- Door widths up to 600 mm (23 5/8")
- Door width should not exceed height



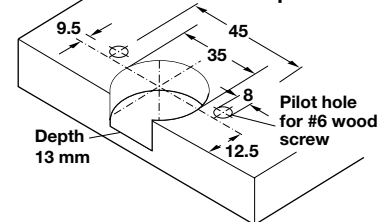
3D adjustment



Drilling pattern for side panel



Drilling pattern for cup



Cup

- Screw-mounted

Material: Zinc

| Finish/Color | Item No. |
|--------------|------------|
| matt nickel | 344.06.800 |
| black | 344.06.850 |

Cup for 8 mm holes

- Dowel-mounted

Material: Zinc

| Finish/Color | Item No. |
|--------------|------------|
| matt nickel | 344.06.810 |
| black | 344.06.860 |



Arm

- With pre-mounted expanding dowels for 5 mm holes

Material: Zinc

| Finish/Color | Overlay | Opening angle | Item No. |
|--------------|---------|---------------|------------|
| matt nickel | Full | 270° | 344.06.900 |
| black | Full | 270° | 344.06.950 |
| matt nickel | Half | 240° | 344.06.901 |
| matt nickel | Twin | 180° | 344.06.902 |

Note

Twin-mounted version requires 2 cups



Arm

- Without screws

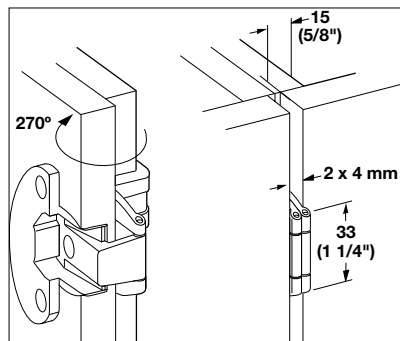
Material: Zinc

| Finish/Color | Opening angle | Item No. |
|--------------|---------------|------------|
| matt nickel | 270° | 344.06.910 |
| black | 270° | 344.06.960 |

Dimensions in mm
Inches are approximate

Aximat® 200 Single Pivot Hinge

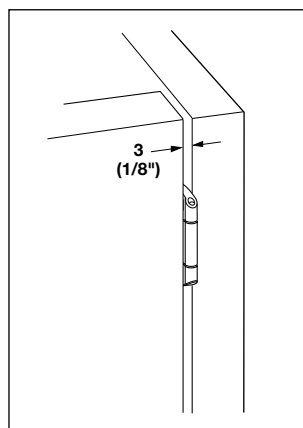
- For full overlay or inset doors
- Hinge cup component available in screw-mount or dowel-mount
- Arm and cup screw-mount together
- Door overlay (side to side) adjustment +3 mm
- Height adjustment ± 2 mm
- Inset version offers ± 2 mm of depth adjustment
- For side panel thickness 19 mm (3/4")
- For door thicknesses up to 21 mm (13/16")
- Integrated catch keeps doors closed, no additional magnetic catches required
- For single cabinets and storage walls
- Tested in accordance with ANSI/BHMA Grade 1 standards



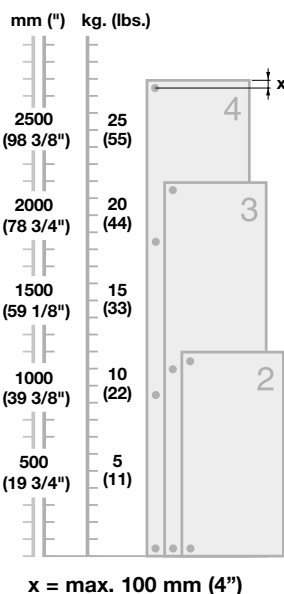
Full Overlay
19 mm (3/4")

Side by Side
Mounting

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

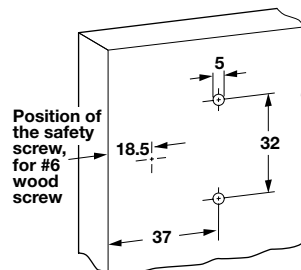


Inset 3 mm (1/8") gap
between door and side panel

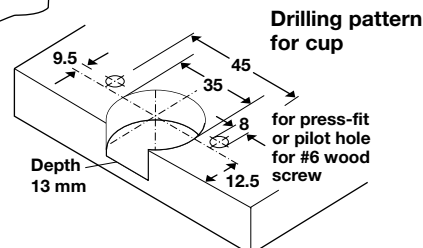
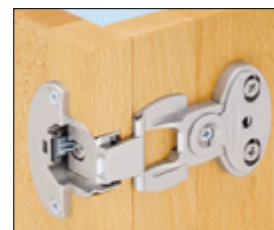


Recommended number of Hinges

- Door widths up to 600 mm (23 5/8")
- Door width should not exceed height



Position of the safety screw, for #6 wood screw



Drilling pattern for cup

Cup

- Screw-mounted

Material: Zinc



| Finish | Item No. |
|-------------|------------|
| matt nickel | 344.05.800 |

Cup for 8 mm holes

- Dowel-mounted

Material: Zinc

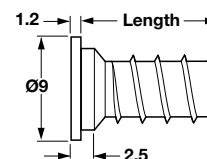
| Finish | Item No. |
|-------------|------------|
| matt nickel | 344.05.810 |

Arm

- Without screws

Material: Zinc; Finish: matt nickel

| Overlay | Opening angle | Item No. |
|---------|---------------|------------|
| Full | 270° | 344.05.910 |
| Inset | 180° | 344.05.914 |



Varianta Euro Screw

- For hinge arm attachment

Material: Steel; Finish: nickel-plated

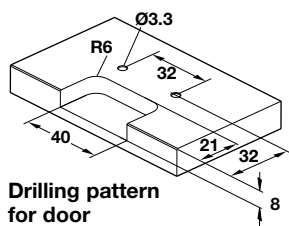
| Length | Item No. |
|--------|------------|
| 7/16" | 013.20.716 |
| 5/8" | 013.20.743 |

Note

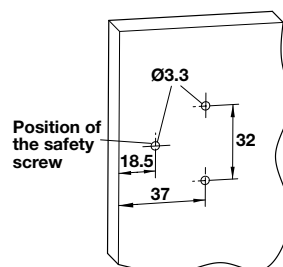
Attachment screws are not included. A #6 flat head wood screw is used for safety screw and hinge cup attachment. For hinge arm attachment to side panel, see Varianta Euro screws.

Aximat® 300 Thin Panel Hinge

- Specifically designed for thin panels such as Phenolic material
- Sleek sophisticated design, only 5 mm (3/16") of knuckle is visible
- 3D adjustment
- During overlay (side to side) adjustment, the knuckle moves with the door preventing a gap between door's edge and knuckle
- Door overlay (side to side) adjustment is on the arm component as opposed to the cup component; offering continuous adjustment of +1 /-2 mm in both directions
- Depth adjustment of ± 1 mm is achieved with oblong holes
- Height adjustment (up and down) of ± 2 mm is on the door component
- The "Safety Screw" can be pre-installed at any time as it does not effect the adjustments
- Integrated catch keeps doors closed, no additional magnetic catches required
- Tested in accordance with ANSI/BHMA Grade 1 standards



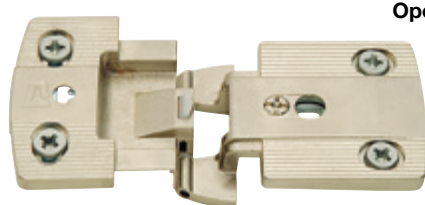
Drilling pattern for door



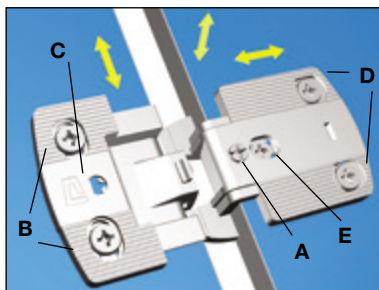
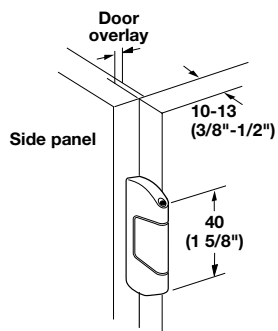
Position of the safety screw



Drilling pattern for side panel



Opening angle: **270°**



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** can be installed at any time, 3D adjustment is still available.

Thin Panel

- Screw-mounted

Material: Zinc; Finish: matt nickel

| Door overlay | Item No. |
|------------------------------|------------|
| 3.5 + knuckle 6 = 9.5 (3/8") | 344.75.760 |
| 7 + knuckle 6 = 13 (1/2") | 344.75.770 |

Supplied With

Special non-corroding screws

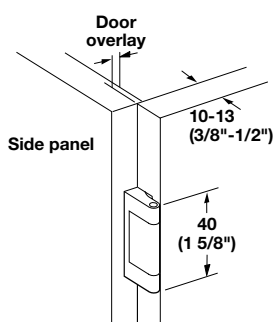
Note

When inserting screws into Phenolic material, they may corrode because of the material's internal properties. Screw holes should be slightly tapered in Phenolic material to assure a tight fit.

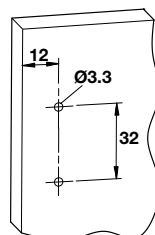
Dimensional data not binding. We reserve the right to alter specifications without notice.

- Meets 720 hour salt spray test
- Door overlay (side to side) adjustment of -1 mm with oblong holes
- Height adjustment (up and down) of ± 2 mm with oblong holes
- Stands up to corrosion, harsh chemicals, and inclement weather

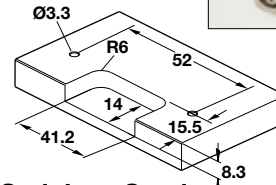
Opening angle: **240°**



Drilling pattern for door



Drilling pattern for side panel



Thin Panel – Stainless Steel

- Screw-mounted

Material: 316 Stainless Steel

| Door overlay | Item No. |
|------------------------------|------------|
| 3.5 + knuckle 6 = 9.5 (3/8") | 344.75.051 |

Supplied With

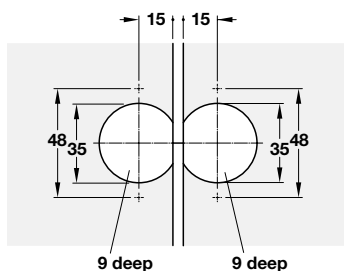
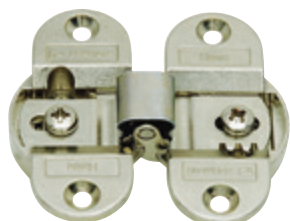
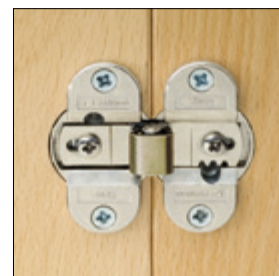
4 stainless steel mounting screws



Dimensions in mm
Inches are approximate

Aximat®

- For free-swinging or guided folding doors
- Minimum door thickness of 13 mm (1/2")
- Same drilling pattern for both leaves
- Gap range is adjustable from 0 – 10 mm (3/8")
- Factory supplied with pre-set 3 mm (1/8") gap
- Adjustable pivot point
- Constant spring tension is maintained during all adjustments



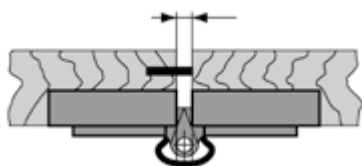
For Folding Doors

Material: Zinc

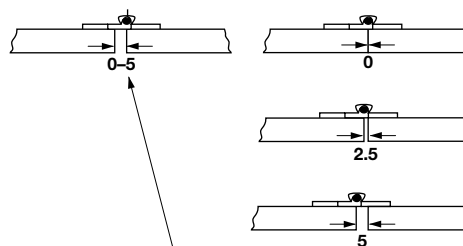
| Finish | Item No. |
|--------|------------|
| nickel | 343.91.600 |

Opening angle: **180°**

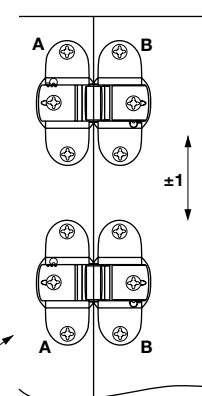
To hold the door leaves flat, install a support.



Symmetrical and/or asymmetrical adjustment of the door leaves

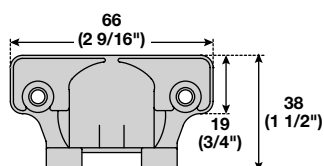


Height adjustment



Salice

- 270° opening angle with a type 2 mounting plate
- Side adjustment -3 mm to +3 mm
- Height adjustment ± 2 mm
- Depth adjustment +2.8 mm with a type 2 mounting plate
- Tested in accordance with ANSI/BHMA Grade 1 standards
- Maximum door thickness: 20 mm (3/16")
- Hinges are self-closing; magnetic catches are not required



Single Pivot Hinge

Material: Steel; Finish: nickel plated

| Model | Mounting | Item No. |
|---------|----------|------------|
| CMP3A99 | screw | 329.58.600 |
| CMR3A99 | dowel | 329.58.610 |

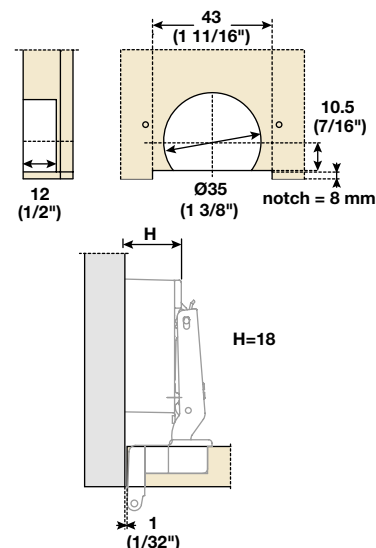
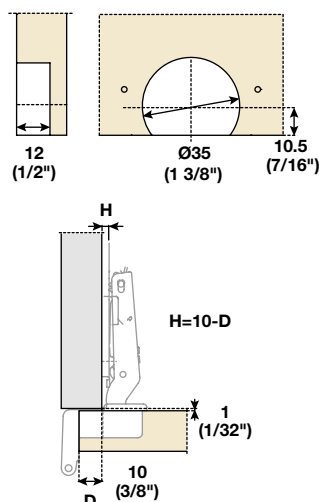
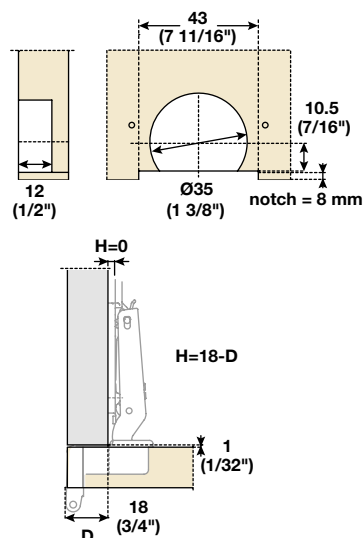
Full overlay with recessed knuckle application



Partial overlay with external knuckle application



Application with inset door



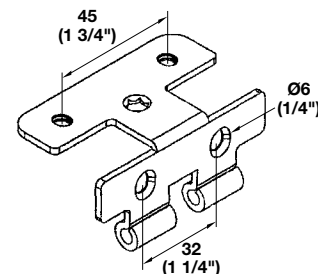
Formula to determine baseplate:
D=overlay
H=baseplate

Five-Knuckle Hinge – Grade 1

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

Opening angle: **270°**

Offset hole pattern allows for larger mounting screws

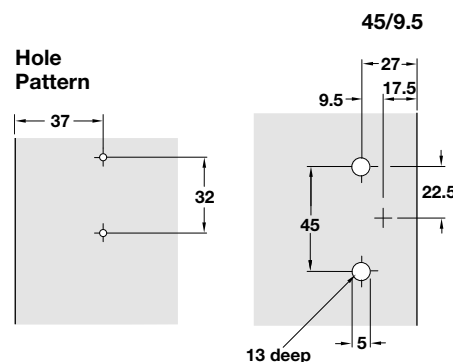


Advantage 5 K

Material: Steel, powder-coated or plated

| Finish | Item No. |
|---------------------------|------------|
| powder-coated matt black | 354.65.300 |
| powder-coated dull chrome | 354.65.200 |
| powder-coated pearl | 354.65.700 |
| plated brushed nickel | 354.65.410 |
| powder-coated matt nickel | 354.65.400 |

Press-fit Drilling diagram



Stainless Steel Advantage 5 K

Material: 304 Stainless Steel

| Item No. |
|------------|
| 354.65.000 |

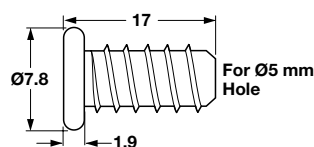
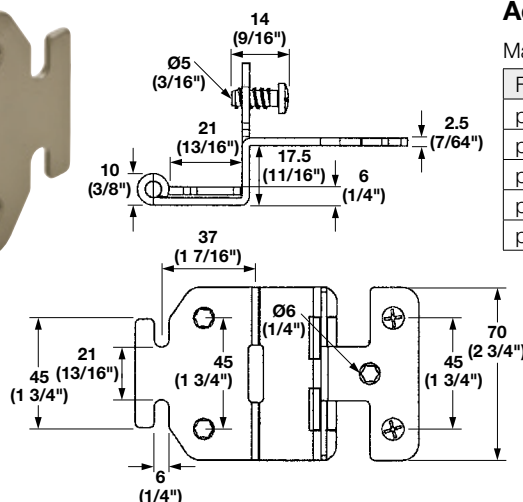
Supplied With
Screws

Special Varianta Screw

Material: Steel

| Finish | Item No. |
|---------------|------------|
| nickel-plated | 013.27.702 |

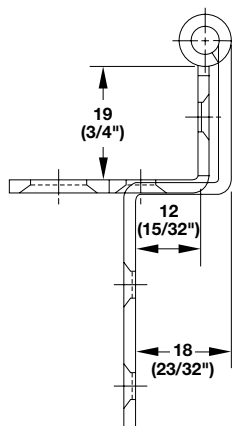
Order Supplied With
5000 pcs.



Five-Knuckle Hinge – Grade 1

- Industry Standard 2 3/4" five-knuckle hinge
- Durable .090" steel
- Hospital tips and corners for safety
- 270° opening angle
- Non-removable knurled pin
- Tumbled to remove sharp edges
- Tested in accordance with ANSI/BHMA

Opening angle: **270°**



Hole Pattern:
32 mm centers
37 mm setback

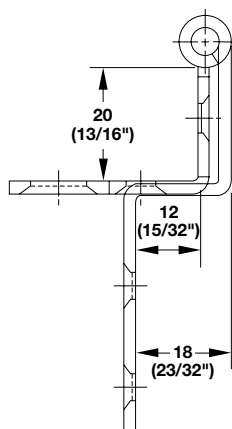
- For 3/4" door thickness

Material: Steel

| Finish | Item No. |
|----------------------|------------|
| powder-coated chrome | 354.65.220 |
| powder-coated black | 354.65.320 |
| dull chrome plated | 354.65.420 |

Note

Screws not included. Hinges require #8 Wood Screws or 5 mm with 7.8 mm head Euro screws



Hole Pattern:
32 mm centers
37 mm setback

- For 13/16" door thickness

Material: Steel

| Finish/Color | Item No. |
|----------------------|------------|
| powder-coated chrome | 354.65.221 |
| powder-coated black | 354.65.321 |
| dull chrome plated | 354.65.421 |
| stainless steel | 354.65.021 |

Note

Screws not included. Hinges require #8 Wood Screws or 5 mm with 7.8 mm head Euro screws

Salice

Opening Angle – What are your options?

94°

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

94° Thick Door

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

105°

- Shallow cup, 8 mm deep
- Used for unusually thin door applications 10 mm (3/8")
- Non-dowelled
- Gap between door: .2 mm on a 10 mm (3/8") door
2.3 mm on a 19 mm (3/4") door

110°

- The standard opening angle for a concealed hinge and is the most commonly used

120°

- Often used in kitchen applications, it allows 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 Soft Close/Silentia

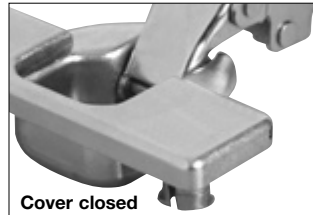
165°

- 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



Cover open

Place the hinge in the pre-bored holes.



Cover closed

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

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, precise drilling depth for optimal performance

PUSH

- This type of hinge combined with the proper latch, will allow 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

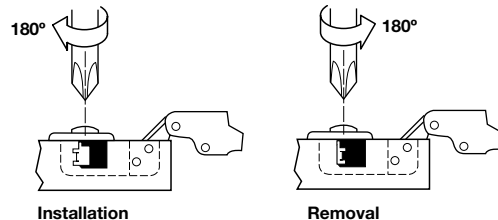
- Drill a 35 mm hole in your door and then attach the hinge with 2 – #6 wood screws

Dowel

- Drill a 35 mm hole and 2 - 8 mm holes, this is the most common application in the industry
- The hinge would then be 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

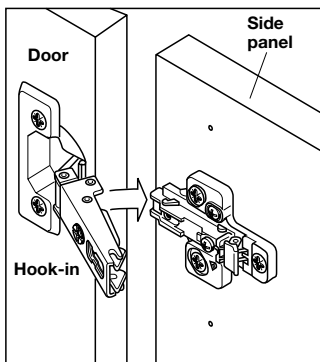
- Drill a 35 mm hole and 2 – 8 mm holes
- The hinge is attached by turning 2 locking dowels 1/2 turn (180°) with hand screwdriver
- Requires a Pozi Drive #2 screwdriver



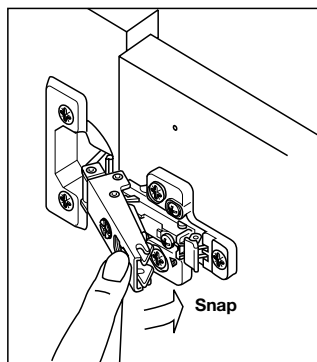
Logica

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

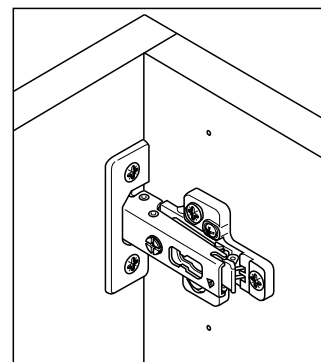
Salice



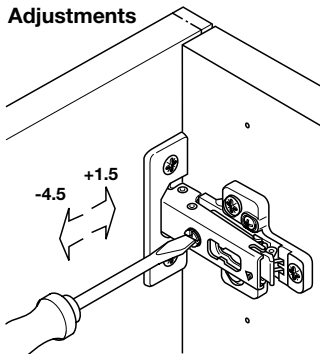
Step 1
Unique compensated adjustment. No gap increase between door and panel.



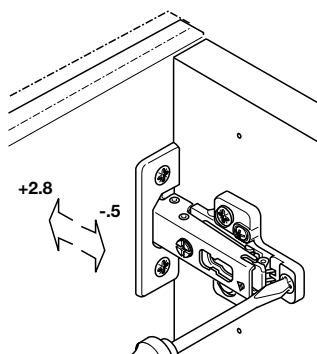
Step 2
Rotate cam adjustment screw on baseplate.



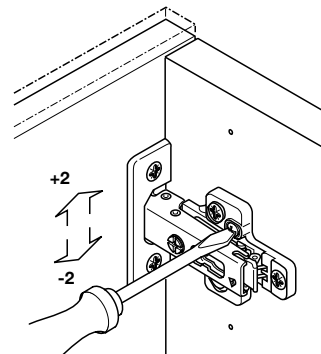
Adjustments



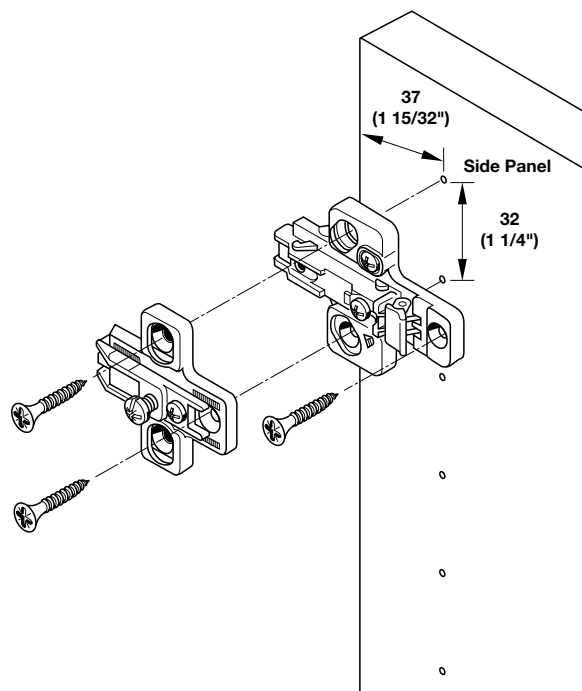
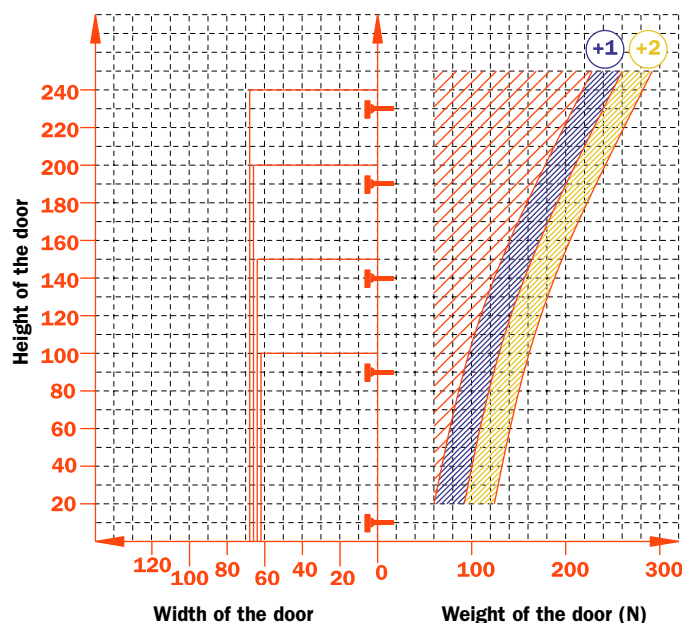
Horizontal
by screw adjustment
(6 mm of adjustment)



In-and-Out
by loosening the
hinge-arm mounting screw
or via cam adjustment
(3.3 mm of adjustment)






















Vertical
via slots in the mounting
plate or cam adjustment
(4 mm of adjustment)




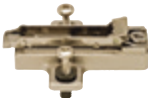




Salice Guide




- Mounting method: Screw-mount, Press-fit, Quick-mount - Rapido, Tool-less - Logica®
- Self-closing and free-swinging hinges available
- Use with any Salice mounting plate

| | Opening Angle | Door Thickness | Tab | Page Number |
|---|---|--|--------------------------|------------------------|
| Concealed Hinges 35 mm Cup  |  | 16 - 25 mm (5/8" - 1") | 3 - 8 mm | 9.16 |
| |  | 10 - 20 mm (3/8" - 13/16") - For thin doors | 3 - 6 mm | 9.17-9.18 |
| |  | 16 - 22 mm (5/8" - 7/8") | 3 - 6 mm | 9.19-9.20 |
| |  | 16 - 22 mm (5/8" - 7/8") | 3 - 6 mm | 9.21 |
| Thin Door Hinges  |  | 10 - 22 mm (3/8" - 7/8") - For 0 protrusion | 3 - 8 mm | 9.17 |
| |  | 16 - 28 mm (5/8" - 1 1/8") | 3 - 8 mm | 9.27 |
| Wide Angle Hinge  |  | 16 - 33 mm (5/8" - 1 5/16") | 3 - 15 mm (40 mm cup) | 9.28 |
| | | 16 - 35 mm (5/8" - 1 13/8") | 3 - 9 mm | 9.29 |
| |  | 16 - 35 mm (5/8" - 1 13/8") | 3 - 9 mm | 9.28 |
| Special Application Hinges  |   | see catalog page | see catalog page | 9.33-9.35, 9.37 |
| Push Hinges  |  | 16 - 22 mm (5/8" - 7/8") | 3 - 6 mm | 9.37 |
| |  | 16 - 28 mm (5/8" - 1 1/8") | 3 - 8 mm | 9.37 |
| Face Frame Hinges  |  | 16 - 19 mm (5/8" - 3/4") | 2.5 mm | 9.62-9.63 |

Salice - Guide

- Use with any Salice hinge

| Mounting method | | Height | | | | | | | | | Page Number |
|---|--|--------|---|---|---|---|---|---|----|----|-------------|
| | | 0 | 1 | 2 | 3 | 4 | 6 | 9 | 12 | 18 | |
| Wing Plates | | | | | | | | | | | |
|  | wood screw | ● | | ● | ● | | ● | ● | ● | ● | 9.40-9.43 |
|  | pre-mounted euroscrew or expandable dowel | ● | | ● | ● | | ● | ● | ● | ● | 9.41-9.43 |
| Face Frame Plates | | | | | | | | | | | |
|  | wood screw | | ● | ● | | ● | | | | | 9.40, 9.44 |
| In Line Plates | | | | | | | | | | | |
|  | wood screw | ● | | | | | | | | | 9.44 |
|  | euroscrows | | | ● | ● | | | | | | 9.44 |
| Face Frame Inset | | | | | | | | | | | |
|  | wood screw or pre-mounted euroscrew | ● | | | ● | | ● | ● | ● | | 9.44 |

| Mounting method | | Page Number |
|---|------------|-------------|
| Wing Plates | | |
|  | wood screw | 9.45 |
|  | wood screw | 9.45 |
|  | wood screw | 9.45 |

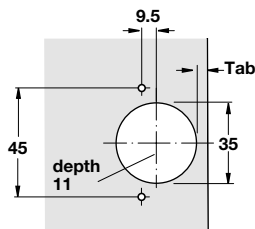
Dimensional data not binding. We reserve the right to alter specifications without notice.

Dimensions in mm
Inches are approximate

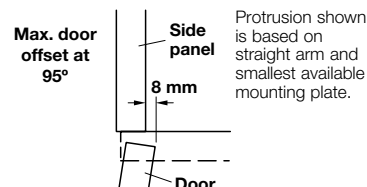
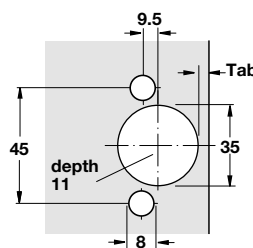
Salice



Screw-mount



Dowel, Rapido, Logica



200 Series

- Door thickness 16 to 35 mm (5/8" – 1 3/8")
- Side panel thickness from 16 mm (5/8")
- Tab: 3 – 8 mm



Material: Cup: Steel; Hinge arm: Steel; Finish: nickel-plated

| Opening Angle | Closing Method | Mounting | Overlay | Hinge Arm | Model | Item No. |
|---------------|----------------|----------|---------|-----------|---------|------------|
| 94° | Self-close | Screw | Full | | C2PBA99 | 329.31.500 |
| 94° | Self-close | Screw | Half | | C2PBG99 | 329.31.502 |
| 94° | Self-close | Screw | Inset | | C2PBP99 | 329.31.503 |
| 94° | Self-close | Dowel | Full | | C2RBA99 | 329.31.510 |
| 94° | Self-close | Dowel | Half | | C2RBG99 | 329.31.512 |
| 94° | Self-close | Dowel | Inset | | C2RBP99 | 329.31.513 |
| 94° | Free-swinging | Screw | Full | | C2PAA99 | 329.31.000 |
| 94° | Free-swinging | Screw | Half | | C2PAG99 | 329.31.002 |
| 94° | Free-swinging | Screw | Inset | | C2PAP99 | 329.31.003 |
| 94° | Free-swinging | Dowel | Full | | C2RAA99 | 329.31.010 |
| 94° | Free-swinging | Dowel | Half | | C2RAG99 | 329.31.012 |
| 94° | Free-swinging | Dowel | Inset | | C2RAP99 | 329.31.013 |
| 94° | Self-close | Rapido | Full | | C27BA99 | 329.31.520 |
| 94° | Self-close | Rapido | Half | | C27BG99 | 329.31.522 |
| 94° | Self-close | Rapido | Inset | | C27BP99 | 329.31.523 |
| 94° | Self-close | Logica | Full | | C2JBA99 | 329.31.530 |
| 94° | Self-close | Logica | Half | | C2JBG99 | 329.31.532 |
| 94° | Self-close | Logica | Inset | | C2JBP99 | 329.31.533 |



Trim Caps

- For hinge arm

Material: Plastic

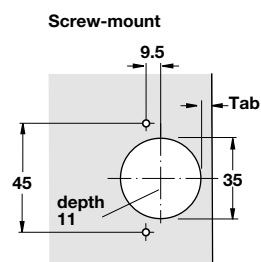
| Color | Model | Item No. |
|-------|----------|------------|
| white | S2XX83A1 | 329.18.700 |
| black | S2XX83A3 | 329.18.308 |

Salice



Thin Door Hinges

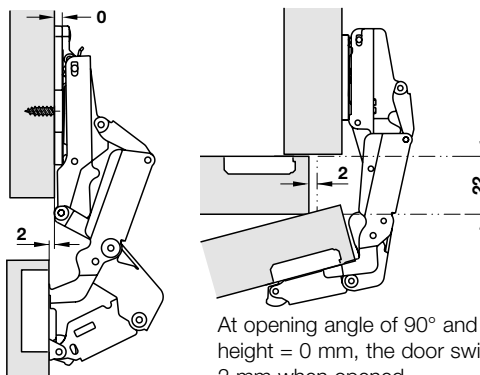
- For doors with deep profiles
- Shallow cup depth 8 mm
- Door thickness 10 to 20 mm (3/8" – 13/16")
- Tab: 3 – 6 mm



Material: Cup: Steel; Hinge arm: Steel; Finish: nickel-plated

| Opening Angle | Closing Method | Mounting | Overlay | Hinge Arm | Model | Item No. |
|---------------|----------------|----------|---------|-----------|---------|------------|
| 105° | Self-close | Screw | Full | | C1P6A99 | 329.28.500 |
| 105° | Self-close | Screw | Half | | C1P6G99 | 329.28.502 |

Full overlay mounting with mounting plate.

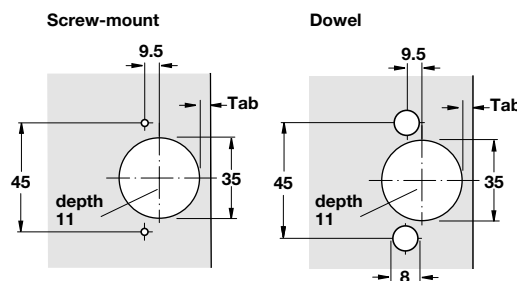


At opening angle of 90° and mounting plate height = 0 mm, the door swings out laterally 2 mm when opened.



With Zero Protrusion

- For cabinets with pull-out shelves
- Door thickness 10 to 22 mm (3/8" – 7/8")
- Tab: 3 – 8 mm
- Zero protrusion with 155° hinge and maximum 2 mm mounting plate



Material: Cup: Zinc, die-cast; Hinge arm: Steel; Finish: nickel-plated

| Opening Angle | Closing Method | Mounting | Overlay | Hinge Arm | Model | Item No. |
|---------------|----------------|----------|---------|-----------|---------|------------|
| 155° | Self-close | Screw | Full | | C2PMA99 | 329.27.500 |
| 155° | Self-close | Dowel | Full | | C2RMA99 | 329.27.510 |



Trim Caps

- For hinge arm

Material: Plastic

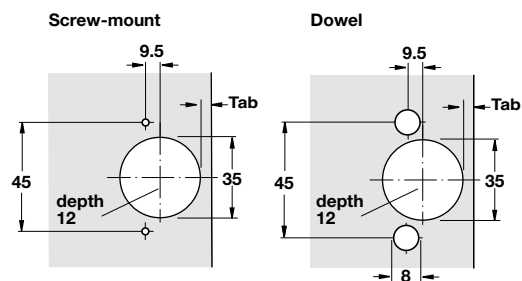
| Color | Model | Item No. |
|-------|----------|------------|
| white | S2XX83A1 | 329.18.700 |
| black | S2XX83A3 | 329.18.308 |

Salice

- Best choice for wood doors (lighter) and doors with profile edges
- Door thickness 15 to 20 mm (9/16" - 13/16")
- Side panel thickness from 10 mm (3/8")
- Tab: 3 - 6 mm
- Door protrusion 7.3 mm (based on full onlay with 0 plate)



soft&silent)))



100 Series Silentia

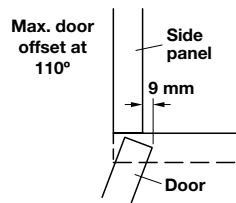
Material: Cup: Steel; Hinge arm: Steel; Finish: nickel-plated

| Opening Angle | Mounting | Overlay | Hinge Arm | Model | Item No. |
|---------------|----------|---------|-----------|---------|------------|
| 105° | Screw | Full | | C1P6AD9 | 329.28.400 |
| 105° | Screw | 1/2" | | C1P6DD9 | 329.28.401 |
| 105° | Screw | Half | | C1P6GD9 | 329.28.402 |
| 105° | Screw | Inset | | C1P6PD9 | 329.28.403 |
| 105° | Dowel | Full | | C1R6AD9 | 329.28.410 |
| 105° | Dowel | 1/2" | | C1R6DD9 | 329.28.411 |
| 105° | Dowel | Half | | C1R6GD9 | 329.28.412 |
| 105° | Dowel | Inset | | C1R6PD9 | 329.28.413 |
| 105° | Rapido | Full | | C176AD9 | 329.28.320 |
| 105° | Rapido | 1/2" | | C176DD9 | 329.28.321 |
| 105° | Rapido | Half | | C176GD9 | 329.28.323 |
| 105° | Rapido | Inset | | C176PD9 | 329.28.324 |
| 105° | Logica | Full | | C1J6AD9 | 329.28.430 |
| 105° | Logica | 1/2" | | C1J6DD9 | 329.28.431 |
| 105° | Logica | Half | | C1J6GD9 | 329.28.432 |
| 105° | Logica | Inset | | C1J6PD9 | 329.28.433 |

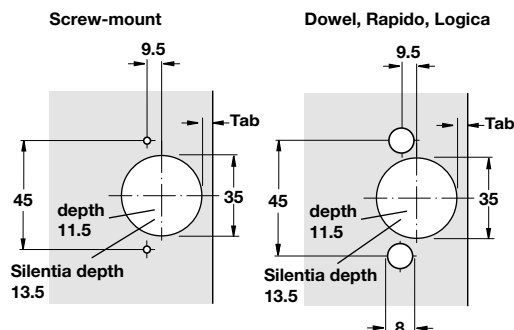
Salice

- Door thickness 16 to 26 mm (5/8" - 1")
- Side panel thickness from 16 mm (5/8")
- Tab: 3 - 6 mm

soft&silent)))



With straight arm and type 2 mounting plate



200 Series

Material: Cup: Steel; Hinge arm: Steel; Finish: nickel-plated

| Opening Angle | Closing Method | Mounting | Overlay | Hinge Arm | Model | Item No. |
|---------------|---------------------|----------|---------|-----------|---------|------------|
| 110° | Self-close | Screw | Full | | C2P6A99 | 329.17.507 |
| 110° | Self-close | Screw | 1/2" | | C2P6D99 | 329.17.510 |
| 110° | Self-close | Screw | Half | | C2P6G99 | 329.17.516 |
| 110° | Self-close | Screw | Inset | | C2P6P99 | 329.17.520 |
| 110° | Silentia Soft-close | Screw | Full | | C7P6AD9 | 329.17.400 |
| 110° | Silentia Soft-close | Screw | 1/2" | | C7P6DD9 | 329.17.401 |
| 110° | Silentia Soft-close | Screw | Half | | C7P6GD9 | 329.17.402 |
| 110° | Silentia Soft-close | Screw | Inset | | C7P6PD9 | 329.17.403 |
| 110° | Self-close | Dowel | Full | | C2R6A99 | 329.17.552 |
| 110° | Self-close | Dowel | 1/2" | | C2R6D99 | 329.17.562 |
| 110° | Self-close | Dowel | Half | | C2R6G99 | 329.17.561 |
| 110° | Self-close | Dowel | Inset | | C2R6P99 | 329.17.570 |
| 110° | Silentia Soft-close | Dowel | Full | | C7R6AD9 | 329.17.410 |
| 110° | Silentia Soft-close | Dowel | 1/2" | | C7R6DD9 | 329.17.411 |
| 110° | Silentia Soft-close | Dowel | Half | | C7R6GD9 | 329.17.412 |
| 110° | Silentia Soft-close | Dowel | Inset | | C7R6PD9 | 329.17.413 |
| 110° | Free swinging | Screw | Full | | C2P4A99 | 329.16.500 |
| 110° | Free swinging | Screw | Half | | C2P4G99 | 329.16.519 |
| 110° | Free swinging | Screw | Inset | | C2P4P99 | 329.16.520 |
| 110° | Free swinging | Dowel | Full | | C2R4A99 | 329.16.555 |
| 110° | Free swinging | Dowel | Half | | C2R4G99 | 329.16.564 |

Trim Caps

- For hinge arm

Material: Plastic

| Color | Model | Item No. |
|-------|----------|------------|
| white | S2XX83A1 | 329.18.700 |
| black | S2XX83A3 | 329.18.308 |

Mounting plates

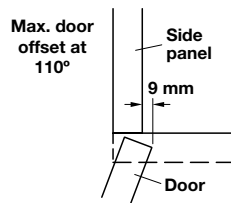
pages 9.40–9.45

Dimensions in mm
Inches are approximate

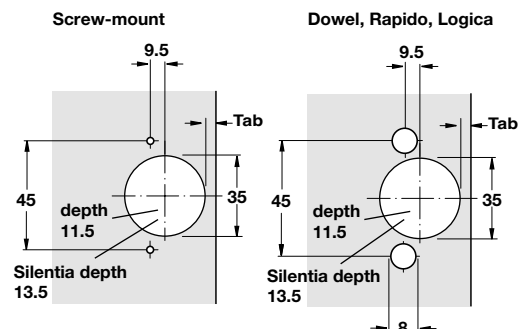
Salice

- Door thickness 16 to 26 mm (5/8" - 1")
- Side panel thickness from 16 mm (5/8")
- Tab: 3 - 6 mm

soft&silent)))



With straight arm and type 2 mounting plate



200 Series

Material: Cup: Steel; Hinge arm: Steel; Finish: nickel-plated

| Opening Angle | Closing Method | Mounting | Overlay | Hinge Arm | Model | Item No. |
|---------------|---------------------|----------|---------|-----------|---------|------------|
| 110° | Self-close | Rapido | Full | | C276A99 | 329.17.580 |
| 110° | Self-close | Rapido | 1/2" | | C276D99 | 329.17.583 |
| 110° | Self-close | Rapido | Half | | C276G99 | 329.17.581 |
| 110° | Self-close | Rapido | Inset | | C276P99 | 329.17.582 |
| 110° | Silentia Soft Close | Rapido | Full | | C776AD9 | 329.17.420 |
| 110° | Silentia Soft Close | Rapido | 1/2" | | C776DD9 | 329.17.421 |
| 110° | Silentia Soft Close | Rapido | Half | | C776GD9 | 329.17.422 |
| 110° | Free-swinging | Rapido | Full | | C274A99 | 329.16.580 |
| 110° | Free-swinging | Rapido | Half | | C274G99 | 329.16.581 |
| 110° | Free-swinging | Rapido | Inset | | C274P99 | 329.16.582 |
| 110° | Silentia Soft Close | Logica | Full | | C7J6AD9 | 329.17.430 |
| 110° | Silentia Soft Close | Logica | 1/2" | | C7J6DD9 | 329.17.431 |
| 110° | Silentia Soft Close | Logica | Half | | C7J6GD9 | 329.17.432 |
| 110° | Silentia Soft Close | Logica | Inset | | C7J6PD9 | 329.17.433 |
| 110° | Self-close | Logica | Full | | C2J6A99 | 329.17.350 |
| 110° | Self-close | Logica | 1/2" | | C2J6D99 | 329.17.351 |
| 110° | Self-close | Logica | Half | | C2J6G99 | 329.17.352 |
| 110° | Self-close | Logica | Inset | | C2J6P99 | 329.17.353 |



Trim Caps

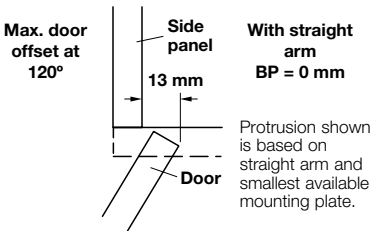
- For hinge arm

Material: Plastic

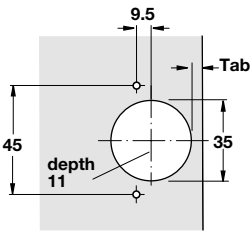
| Color | Model | Item No. |
|-------|----------|------------|
| white | S2XX83A1 | 329.18.700 |
| black | S2XX83A3 | 329.18.308 |

Salice

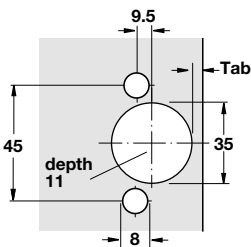
- Door thickness 16 to 26 mm (5/8" - 1")
- Side panel thickness from 16 mm (5/8")
- Tab: 3 - 6 mm



Screw-mount



Dowel, Rapido, Logica



200 Series

Material: Cup: Steel; Hinge arm: Steel; Finish: nickel-plated

| Opening Angle | Closing Method | Mounting | Overlay | Hinge Arm | Model | Item No. |
|---------------|----------------|----------|---------|-----------|---------|------------|
| 120° | Self-close | Screw | Full | | C2P9A99 | 329.03.503 |
| 120° | Self-close | Screw | Half | | C2P9G99 | 329.03.512 |
| 120° | Self-close | Dowel | Full | | C2R9A99 | 329.03.558 |
| 120° | Self-close | Dowel | 1/2" | | C2R9D99 | 329.03.568 |
| 120° | Self-close | Dowel | Half | | C2R9G99 | 329.03.567 |
| 120° | Self-close | Rapido | Full | | C279A99 | 329.03.580 |
| 120° | Self-close | Rapido | Half | | C279G99 | 329.03.582 |
| 120° | Free-swinging | Rapido | Full | | C278A99 | 329.02.580 |
| 120° | Self-close | Logica | Full | | C2J9A99 | 329.03.590 |
| 120° | Self-close | Logica | 1/2" | | C2J9D99 | 329.03.591 |
| 120° | Self-close | Logica | Half | | C2J9G99 | 329.03.592 |



Trim Caps

- For hinge arm

Material: Plastic

| Color | Model | Item No. |
|-------|----------|------------|
| white | S2XX83A1 | 329.18.700 |
| black | S2XX83A3 | 329.18.308 |

Dimensional data not binding. We reserve the right to alter specifications without notice.

Titanium Finish

The new titanium finish perfectly integrates the hinge into the design of the cabinet conveying style and warmth while incorporating modern functionality. It's rich dark finish complements cabinets with darker interiors. In addition, corrosion resistance is greatly enhanced in comparison to nickel-plated finishes.

In keeping with today's trends, this elegant titanium finish is available on the standard hinge series as well as the Silentia, soft close products at an affordable cost.

Please contact Häfele for detailed test data on the superior corrosion resistance of the Titanium finish.



Silentia Soft Close – Dowel Mount



| Full Overlay | 1/2" Overlay | Half Overlay | Inset Overlay |
|--------------|--------------|--------------|---------------|
| 329.28.414 | 329.28.451 | 329.28.416 | 329.28.417 |



| Blind Corner | Inset Overlay | 45° Corner | Zero Protrusion |
|--------------|---------------|------------|-----------------|
| 329.11.430 | 329.11.450 | 329.25.457 | 329.27.414 |

Self Close – Dowel Mount



| Full Overlay | 1/2" Overlay | Half Overlay | Inset Overlay | Pie-cut Corner |
|--------------|--------------|--------------|---------------|----------------|
| 329.17.559 | 329.17.568 | 329.17.569 | 329.17.579 | 329.19.640 |

Hinge Mounting Plates



| Wood Screw | Euro Screw |
|------------|------------|
| 329.71.582 | 329.71.562 |

Face Frame Mounting Plates



| 1 mm | 4 mm |
|------------|------------|
| 329.64.571 | 329.64.574 |

Cover Caps



| |
|------------|
| 329.32.509 |
|------------|

Flange Cover Caps



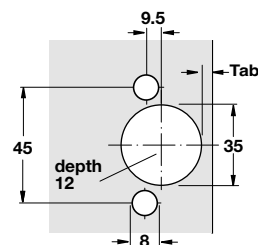
| |
|------------|
| 329.32.539 |
|------------|

| Euro Screws |
|-------------|
| 013.19.731 |

Salice

- Door thickness 15 to 20 mm (9/16" - 13/16")
- Side panel thickness from 10 mm (3/8")
- Tab: 3 - 6 mm
- Door protrusion 7.3 mm (based on full overlay with 0 plate)

soft&silent)))



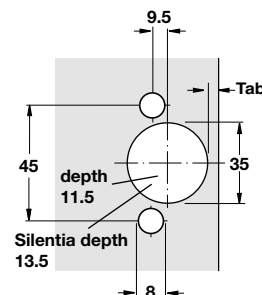
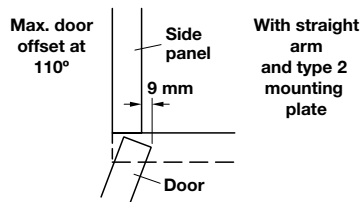
100 Series

Material: Cup: Steel; Hinge arm: Steel; Finish: titanium

| Opening Angle | Closing Method | Mounting | Overlay | Hinge Arm | Model | Item No. |
|---------------|---------------------|----------|---------|-----------|---------|------------|
| 105° | Silentia Soft-close | Dowel | Full | | C1R6AD6 | 329.28.414 |
| 105° | Silentia Soft-close | Dowel | 1/2" | | C1R6DD6 | 329.28.451 |
| 105° | Silentia Soft-close | Dowel | Half | | C1R6GD6 | 329.28.416 |
| 105° | Silentia Soft-close | Dowel | Inset | | C1R6PD6 | 329.28.417 |

- Door thickness 16 to 26 mm (5/8" - 1")
- Side panel thickness from 16 mm (5/8")
- Tab: 3 - 6 mm

soft&silent)))



200 Series

Material: Cup: Steel; Hinge arm: Steel; Finish: titanium

| Opening Angle | Closing Method | Mounting | Overlay | Hinge Arm | Model | Item No. |
|---------------|---------------------|----------|---------|-----------|---------|------------|
| 110° | Self-close | Dowel | Full | | C2R6A66 | 329.17.559 |
| 110° | Self-close | Dowel | 1/2" | | C2R6D66 | 329.17.568 |
| 110° | Self-close | Dowel | Half | | C2R6G66 | 329.17.569 |
| 110° | Self-close | Dowel | Inset | | C2R6P66 | 329.17.579 |
| 110° | Silentia Soft-close | Dowel | Inset | | C7R6PD6 | 329.17.453 |

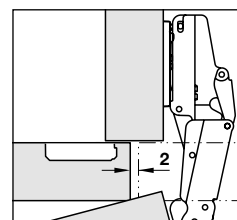
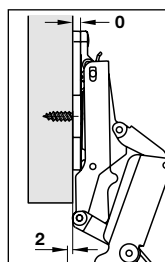
Salice

- With integrated soft close
- Door thickness: for 155° 16 to 22 mm (5/8" to 7/8")
for 165° 16 to 25 mm (5/8" to 1")
- Side panel thickness from 16 mm (5/8")
- Tab: 3 - 8 mm
- Zero protrusion on full overlay

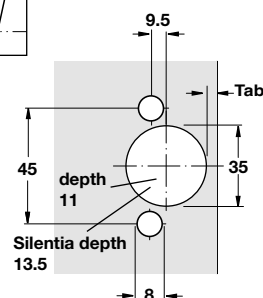


soft&silent)))

Full overlay mounting
with mounting plate.



At opening angle of 90° and mounting plate height = 0 mm, the door swings out laterally 2 mm when opened.



Wide Angle

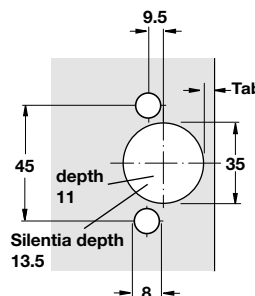
Material: Cup: Zinc, die-cast; Hinge arm: Steel; Finish: titanium

| Opening Angle | Closing Method | Mounting | Overlay | Hinge Arm | Model | Item No. |
|---------------|---------------------|----------|---------|-----------|---------|------------|
| 155° | Silentia Soft close | Dowel | Full | | C2RMAD6 | 329.27.414 |

Special Application

- Door thickness 16 to 35 mm (5/8" to 1 3/8")
- For 45° corner application
- Tab: 3 - 8 mm; 3 - 6 mm Silentia

soft&silent)))



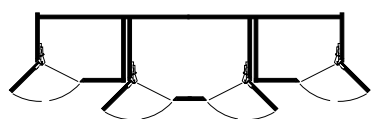
9

+45° Corner Hinges

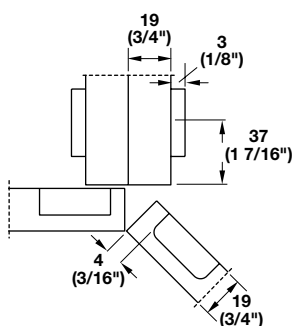
Material: Steel; Finish: titanium

| Opening Angle | Closing Method | Mounting | Overlay | Hinge Arm | Model | Item No. |
|---------------|---------------------|----------|---------|-----------|-----------|------------|
| 110° | Silentia Soft Close | Dowel | Inset | | C7R6MD6AC | 329.25.457 |

Typical mounting



16 mm use #5 Mounting plate
19 mm use #2 Mounting plate **Tab = 3**



Salice – Special Application

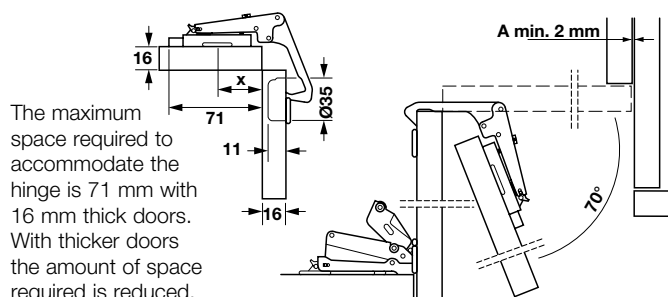
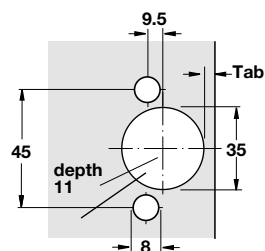


Pie-cut Corner Hinge

- Door thickness 16 to 22 mm (5/8" to 7/8")
- 11 mm deep zinc die-cast cup
- Cup diameter 35 mm
- Opening angle of first door 70°
- Tab: 3 – 6 mm
- Maximum door thickness 23 mm

Material: Cup: Steel; Finish: titanium

| Opening Angle | Closing Method | Mounting | Model | Item No. |
|---------------|----------------|----------|---------|------------|
| 70° | Self-close | Dowel | C2RYA66 | 329.19.640 |



- Door thickness 16 to 26 mm (5/8" to 1")
- Tab: 3 - 8 mm self close; 3 - 6 mm Silentia

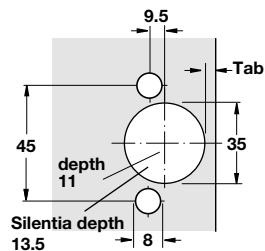
soft&silent)))



Blind Corner Hinges

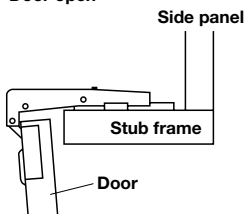
Material: Steel; Finish: titanium

| Opening Angle | Closing Method | Mounting | Overlay | Model | Item No. |
|---------------|---------------------|----------|---------|-----------|------------|
| 110° | Silentia Soft-close | Dowel | Inset | C7R6ND6AC | 329.11.430 |
| 110° | Silentia Soft-close | Dowel | Overlay | C7R6ND6AM | 329.11.450 |

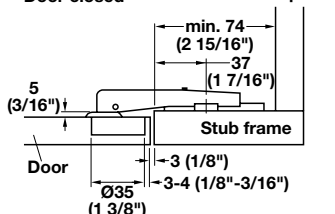


Inset

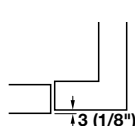
Door open



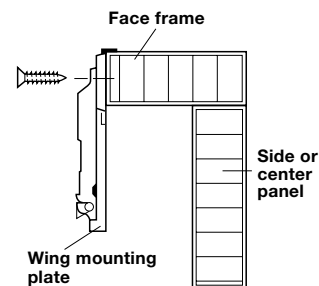
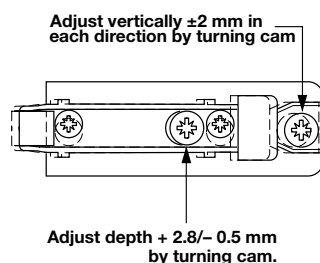
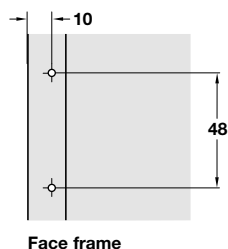
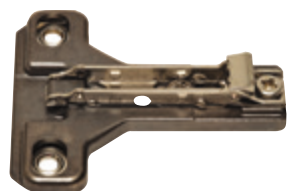
Door closed



Mod. 2



Salice – Mounting Plates



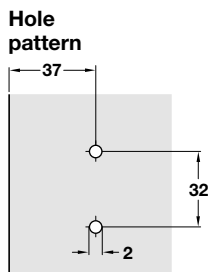
Clip Face Frame

- Screw-mounted
- Spring lever
- Double cam
- Independent and depth vertical adjustment

Material: Zinc, die-cast; Finish: titanium

| Reinforcement | Overlay | Model | Item No. |
|---------------|---------|---------|------------|
| 1 | 3/4" | BAU3R16 | 329.64.571 |
| 4 | 1/2" | BAU3R46 | 329.64.574 |

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.



Clip

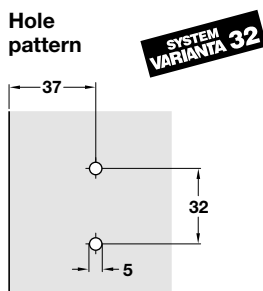
- Screw-mounted
- Spring lever
- With independent vertical and depth adjustment

Material: Steel, Zinc; Finish: titanium

| Reinforcement | Model | Item No. |
|---------------|---------|------------|
| 2 | BAR3R26 | 329.71.582 |



9



Clip

- Screw-mounted in system holes
- Spring lever
- Pre-installed 11 mm Euro screws
- With independent vertical and depth adjustment

Material: Steel, Zinc; Finish: titanium

| Reinforcement | Model | Item No. |
|---------------|------------|------------|
| 2 | BARGR26/16 | 329.71.562 |

Euro Screws

Material: Steel; Finish: titanium

| | Item No. |
|-------------|------------|
| 14.5 x 5 mm | 013.19.731 |



Cover Caps

Material: Steel; Finish: titanium

| Model | Item No. |
|----------|------------|
| S2BX83H6 | 329.32.509 |

Flange Cover Caps

Material: Steel; Finish: titanium

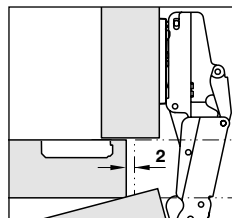
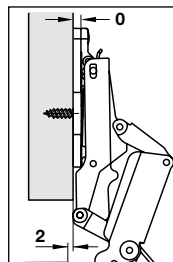
| Model | Item No. |
|----------|------------|
| S2XX85H6 | 329.32.539 |

Salice

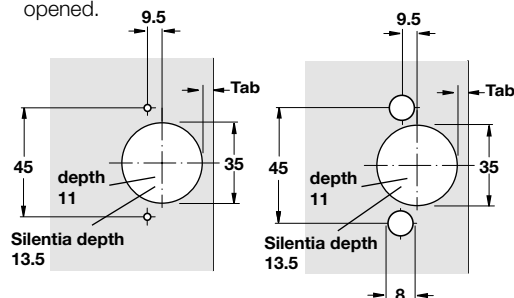
- With integrated soft close
- Door thickness: for 155° 16 to 22 mm (5/8" to 7/8")
for 165° 16 to 25 mm (5/8" to 1")
- Side panel thickness from 16 mm (5/8")
- Tab: 3 - 8 mm
- Zero protrusion on full overlay



Full overlay mounting with mounting plate.



At opening angle of 90° and mounting plate height = 0 mm, the door swings out laterally 2 mm when opened.



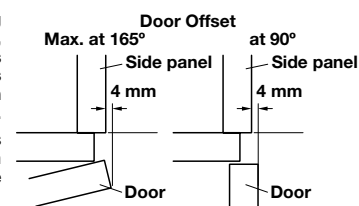
Wide Angle

Material: Cup: Zinc, die-cast; Hinge arm: Steel; Finish: nickel-plated

| Opening Angle | Closing Method | Mounting | Overlay | Hinge Arm | Model | Item No. |
|---------------|---------------------|----------|---------|-----------|---------|------------|
| 155° | Silentia Soft close | Screw | Full | | C2PMAD9 | 329.27.400 |
| 155° | Silentia Soft close | Screw | 1/2" | | C2PMDD9 | 329.27.401 |
| 155° | Silentia Soft close | Screw | Half | | C2PMGD9 | 329.27.402 |
| 155° | Silentia Soft close | Dowel | Full | | C2RMAD9 | 329.27.410 |
| 155° | Silentia Soft close | Dowel | 1/2" | | C2RMDD9 | 329.27.411 |
| 155° | Silentia Soft close | Dowel | Half | | C2RMGD9 | 329.27.412 |
| 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 | 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 | Logica | Full | | C2JFA99 | 329.07.690 |
| 165° | Self-close | Logica | Half | | C2JFG99 | 329.07.692 |
| 165° | Self-close | Logica | Inset | | C2JFP99 | 329.07.693 |

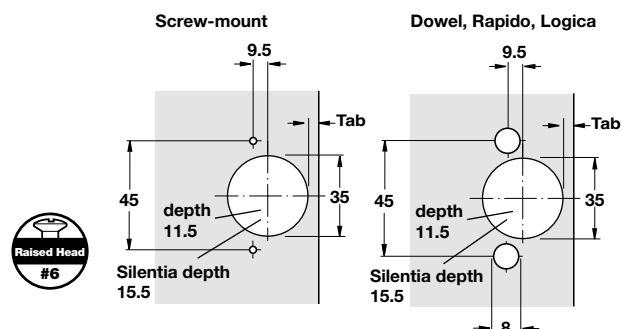
With doors exceeding 20 mm in thickness, the opening angle is reduced if two doors are mounted in each side of the same panel.

Protrusion shown is based on straight arm and smallest available mounting plate.



Salice

- Door thickness 16 to 35 mm (5/8" to 1 1/4")
- Side panel thickness from 16 mm (5/8")
- Tab: 3 - 9 mm



Thick Door Hinges – 35 mm cup

Material: Cup: Zinc, die-cast; Hinge arm: Steel

| Opening Angle | Closing Method | Mounting | Overlay | Hinge Arm | Model | Item No. |
|---------------|---------------------|----------|---------|-----------|---------|------------|
| 94° | Self-closing | Screw | Full | | C2PBA99 | 329.31.500 |
| 94° | Self-closing | Screw | Half | | C2PBG99 | 329.31.502 |
| 94° | Self-closing | Screw | Inset | | C2PBP99 | 329.31.503 |
| 94° | Self-closing | Dowel | Full | | C2RBA99 | 329.31.510 |
| 94° | Self-closing | Dowel | Half | | C2RBG99 | 329.31.512 |
| 94° | Self-closing | Dowel | Inset | | C2RBP99 | 329.31.513 |
| 94° | Silentia Soft Close | Dowel | Full | | C2RBAD9 | 329.31.210 |
| 94° | Silentia Soft Close | Dowel | Half | | C2RBGD9 | 329.31.212 |
| 94° | Silentia Soft Close | Dowel | Inset | | C2RBPD9 | 329.31.213 |



9

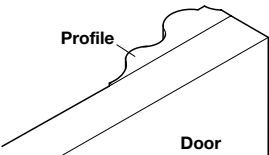
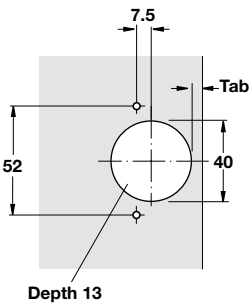
Thick Door Hinges – 35 mm cup

Material: Cup: Zinc, die-cast; Hinge arm: Steel

| Opening Angle | Closing Method | Mounting | Overlay | Hinge Arm | Model | Item No. |
|---------------|---------------------|----------|---------|-----------|---------|------------|
| 155° | Self-closing | Screw | Full | | C2PDA99 | 329.46.500 |
| 155° | Self-closing | Screw | Half | | C2PDG99 | 329.46.502 |
| 155° | Self-closing | Dowel | Full | | C2RDA99 | 329.46.510 |
| 155° | Self-closing | Dowel | Half | | C2RDG99 | 329.46.512 |
| 155° | Silentia Soft Close | Dowel | Full | | C2RDAD9 | 329.46.210 |
| 155° | Silentia Soft Close | Dowel | Half | | C2RDGD9 | 329.46.212 |

Salice

- Side panel thickness from 16 mm (5/8")
- Tab: 3 – 15 mm
- 1 9/16" doors possible in overlay applications
- Call technical support for minimum reveal specs



Thick Door Hinges

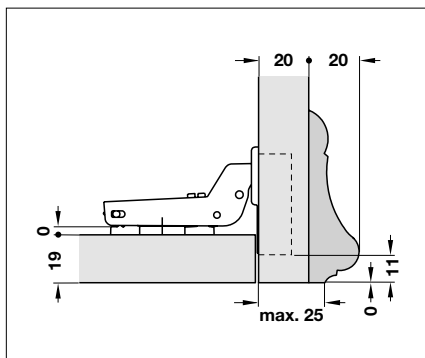
Material: Cup: Zinc, die-cast; Hinge arm: Steel; Finish: nickel-plated

| Opening Angle | Closing Method | Mounting | Overlay | Hinge Arm | Model | Item No. |
|---------------|----------------|----------|---------|-----------|---------|------------|
| 94° | Self-closing | Screw | Full | | CFA7A99 | 329.05.605 |
| 94° | Self-closing | Screw | Half | | CFA7G99 | 329.05.614 |
| 94° | Self-closing | Screw | Inset | | CFA7P99 | 329.05.632 |
| 94° | Free-swinging | Screw | Full | | CFA5A99 | 329.04.608 |
| 94° | Free-swinging | Screw | Half | | CFA5G99 | 329.04.617 |
| 94° | Free-swinging | Screw | Inset | | CFA5P99 | 329.04.635 |

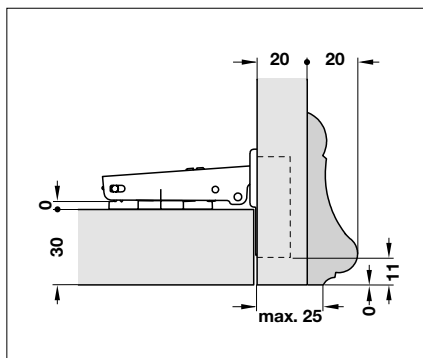
Dimensional data not binding. We reserve the right to alter specifications without notice.

Salice

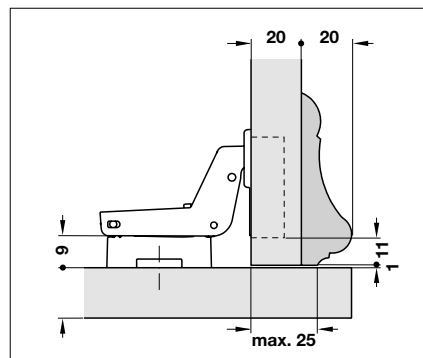
Mounting examples for profiled doors with thick door hinge.



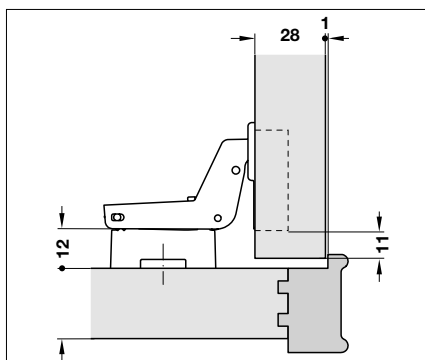
Concealed hinge 329.05.614 / page 9.29
Mounting Plate 329.71.500 / page 9.41



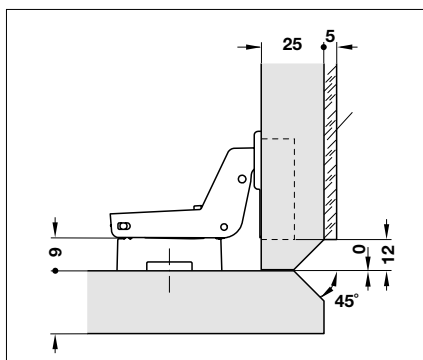
Concealed hinge 329.05.605 / page 9.29
Mounting Plate 329.71.500 / page 9.41



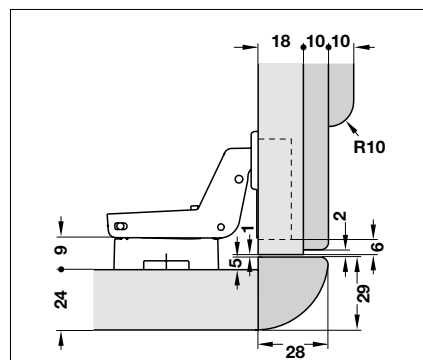
Concealed hinge 329.05.632 / page 9.29
Mounting Plate 329.71.508 / page 9.41



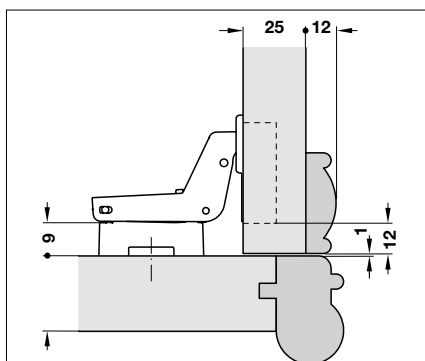
Concealed hinge 329.05.632 / page 9.29
Mounting Plate 329.71.509 / page 9.41



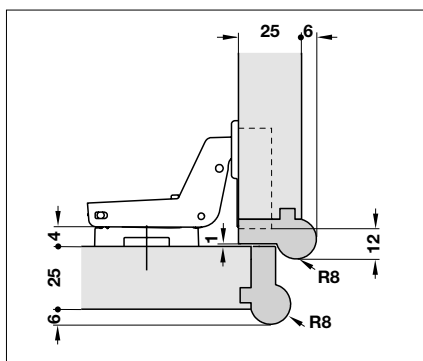
Concealed hinge 329.05.632 / page 9.29
Mounting Plate 329.71.508 / page 9.41



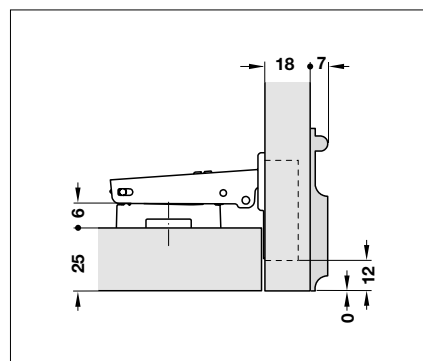
Concealed hinge 329.05.632 / page 9.29
Mounting Plate 329.71.508 / page 9.41



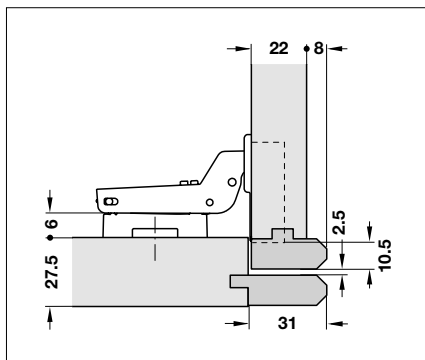
Concealed hinge 329.05.632 / page 9.29
Mounting Plate 329.71.508 / page 9.41



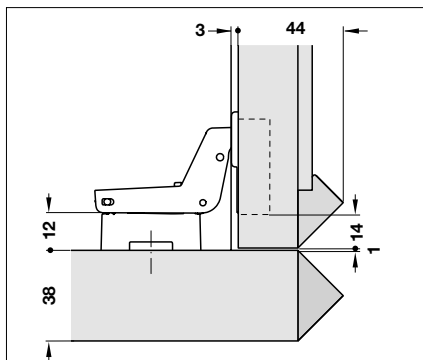
Concealed hinge 329.05.632 / page 9.29
Mounting Plate 329.71.503 / page 9.41



Concealed hinge 329.05.605 / page 9.29
Mounting Plate 329.71.506 / page 9.41



Concealed hinge 329.05.614 / page 9.29
Mounting Plate 329.71.506 / page 9.41



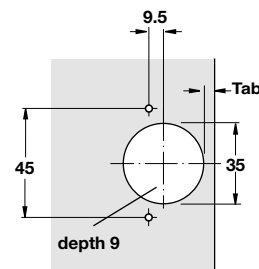
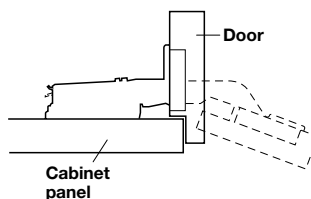
Concealed hinge 329.05.632 / page 9.29
Mounting Plate 329.71.509 / page 9.41

Salice – Special Application




Lipped Door Hinge

- Designed especially for lipped doors
- Cup depth of only 9 mm
- Tab: 3 - 18 mm
- Can be used for miter doors
- For thick doors or doors with mouldings or with large radius edges, please refer to special application page



Material: Cup: Steel; Hinge arm: Steel; Finish: nickel-plated

| Opening Angle | Closing Method | Mounting | Overlay | Hinge Arm | Model | Item No. |
|---------------|----------------|----------|---------|--|---------|------------|
| 110° | Self-close | Screw | Full |  | CBP2A99 | 329.26.500 |

Mounting plate backset distance (X) varies according to door thickness.

| door thickness | 16 (5/8") | 19 (3/4") | 22 (7/8") |
|--|-------------|-------------|-----------|
| backset distance for mounting plates (X) | 31 (1 1/4") | 28 (1 1/8") | 25 (1") |

Mounting plate type varies according to door thickness.

| door thickness | 16 (5/8") | 19 (3/4") | 22 (7/8") |
|---------------------|-----------|-----------|-----------|
| mounting plate type | 6 | 2.3 | 0 |
| side adjustment | 1 (1/32") | 1 (1/32") | 1 (1/32") |



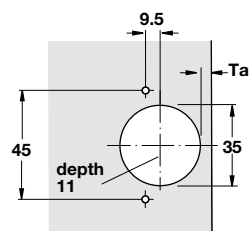
Pie-cut Corner Hinge

- Door thickness 16 to 22 mm (5/8" to 7/8")
- 11 mm deep zinc die-cast cup
- Cup diameter 35 mm
- Opening angle of first door 70°
- Tab: 3 - 6 mm
- Maximum door thickness 23 mm

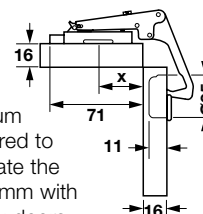
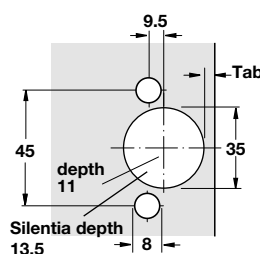
Material: Cup: Steel; Finish: nickel-plated

| Opening Angle | Closing Method | Mounting | Model | Item No. |
|---------------|----------------|----------|---------|------------|
| 70° | Self-close | Screw | C2PYA99 | 329.19.600 |
| 70° | Self-close | Dowel | C2RYA99 | 329.19.610 |
| 70° | Self-close | Rapido | C27YA99 | 329.19.620 |

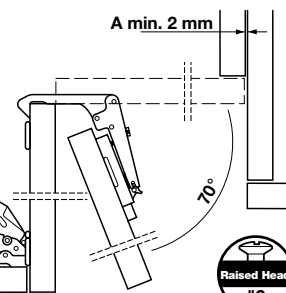
Screw mount



Dowel, Rapido, Logica



The maximum space required to accommodate the hinge is 71 mm with 16 mm thick doors. With thicker doors the amount of space required is reduced.



Trim Caps

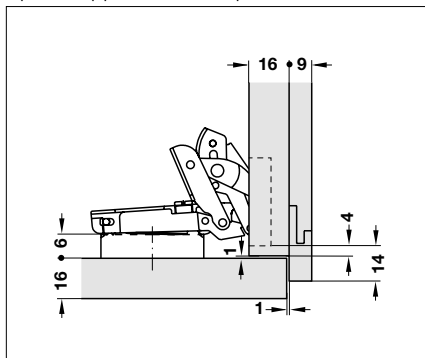
- For hinge arm

Material: Plastic

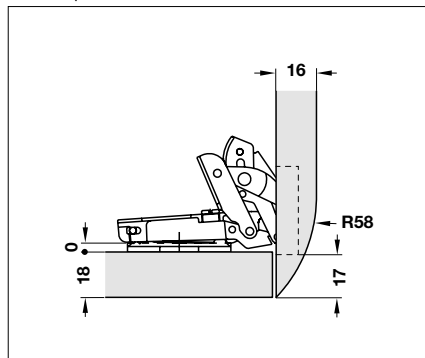
| Color | Model | Item No. |
|-------|----------|------------|
| white | S2XX83A1 | 329.18.700 |
| black | S2XX83A3 | 329.18.308 |

Salice

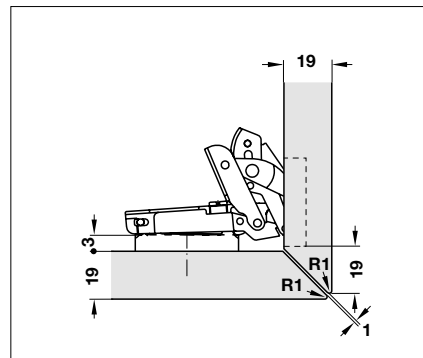
Special application examples with rounded, rebated and profiled door.



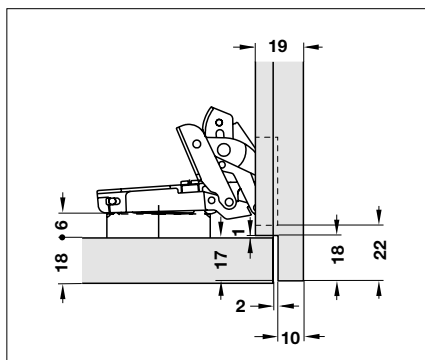
Concealed hinge 329.26.500 / page 9.31
Mounting plate 329.71.506 / page 9.41



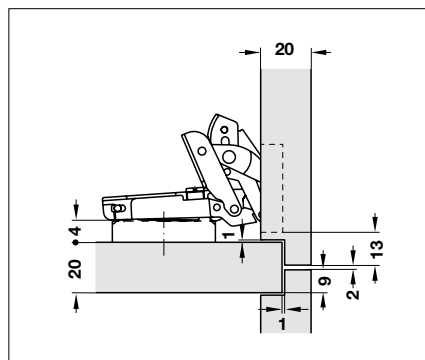
Concealed hinge 329.26.500 / page 9.31
Mounting plate 329.71.500 / page 9.41



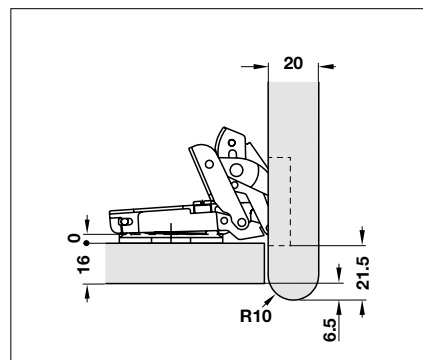
Concealed hinge 329.26.500 / page 9.31
Mounting plate 329.71.503 / page 9.41



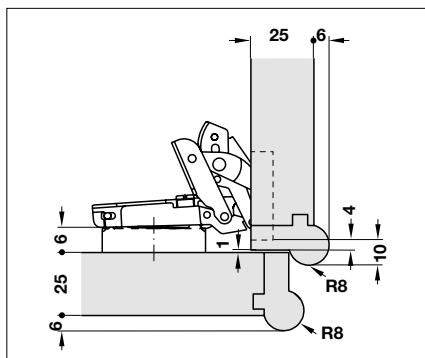
Concealed hinge 329.26.500 / page 9.31
Mounting plate 329.71.506 / page 9.41



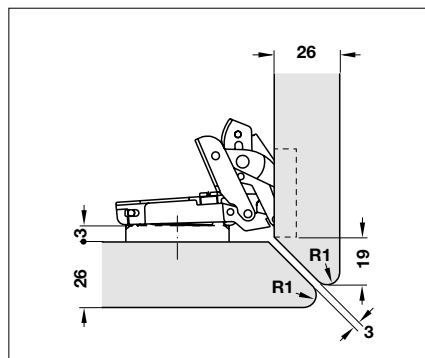
Concealed hinge 329.26.500 / page 9.31
Mounting plate 329.71.503 / page 9.36



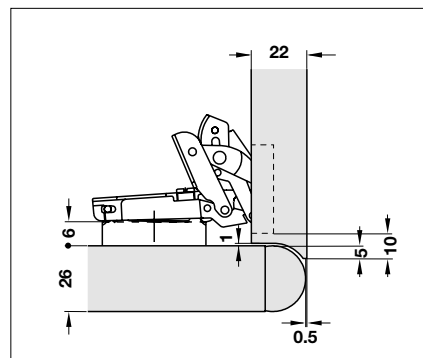
Concealed hinge 329.26.500 / page 9.31
Mounting plate 329.71.500 / page 9.41



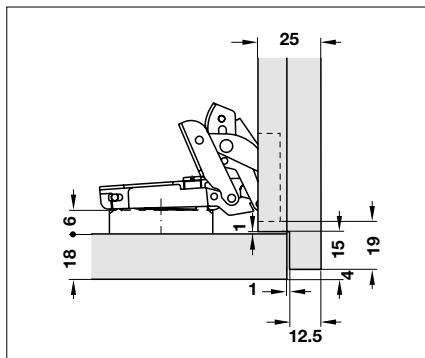
Concealed hinge 329.26.500 / page 9.31
Mounting plate 329.71.506 / page 9.41



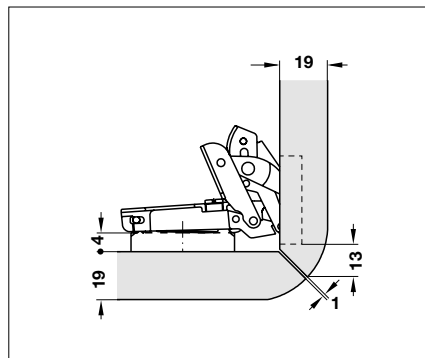
Concealed hinge 329.26.500 / page 9.31
Mounting plate 329.71.503 / page 9.41



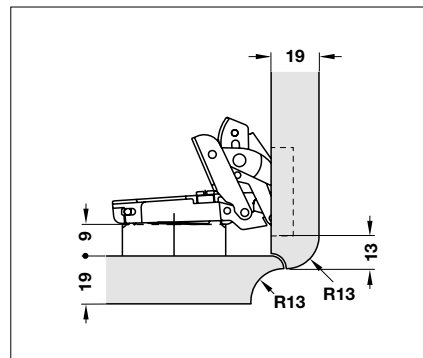
Concealed hinge 329.26.500 / page 9.31
Mounting plate 329.71.506 / page 9.41



Concealed hinge 329.26.500 / page 9.31
Mounting plate 329.71.506 / page 9.41



Concealed hinge 329.26.500 / page 9.31
Mounting plate 329.71.503 / page 9.41

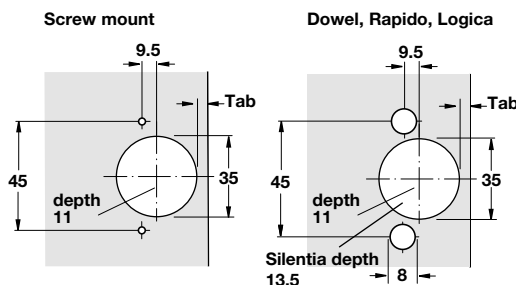


Concealed hinge 329.26.500 / page 9.31
Mounting plate 329.71.508 / page 9.41

Dimensions in mm
Inches are approximate

Salice – Special Application

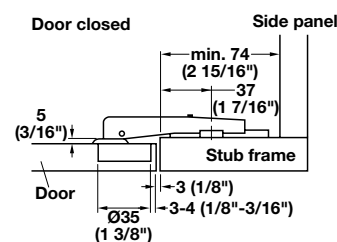
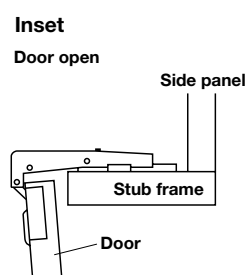
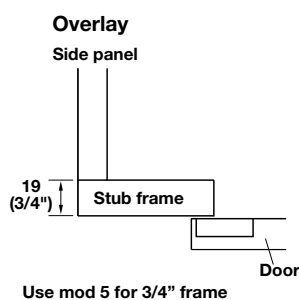
- Door thickness 16 to 26 mm (5/8" to 1")
- Tab: 3 - 8 mm self close; 3 - 6 mm Silentia



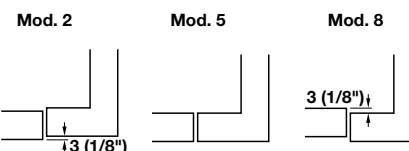
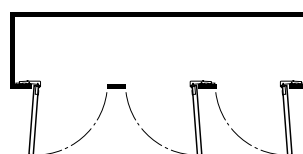
Blind Corner Hinges

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 Soft-close | Screw | Inset | C7P6ND9AC | 329.11.400 |
| 94° | Self-close | Dowel | Inset | C2RBN99AC | 329.31.515 |
| 110° | Self-close | Dowel | Overlay | C2R6N99AM | 329.35.510 |
| 110° | Silentia Soft-close | Dowel | Inset | C7R6ND9AC | 329.11.410 |
| 110° | Silentia Soft-close | Dowel | Overlay | C7R6ND9AM | 329.35.410 |
| 94° | Self-close | Rapido | Inset | C277N99AC | 329.11.580 |



Typical mounting



Single-side mounting (corner or center panel frame) installation diagrams with mounting plate models **2, 5, 8**



Trim Caps

- For hinge arm

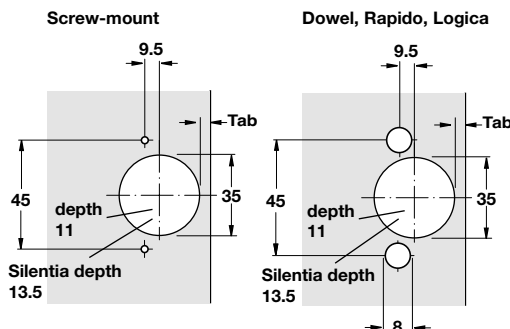
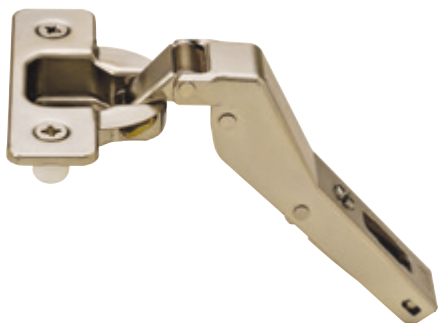
Material: Plastic

| Color | Model | Item No. |
|-------|----------|------------|
| white | S2XX83A1 | 329.18.700 |
| black | S2XX83A3 | 329.18.308 |

Salice – Special Application

- Door thickness 16 to 35 mm (5/8" to 1 3/8")
- For 45° corner application
- Tab: 3 - 8 mm; 3 - 6 mm Silentia

soft&silent)))

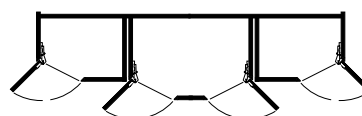


+45° Corner Hinges

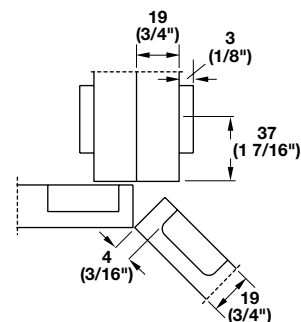
Material: Steel; Finish: nickel-plated

| Opening Angle | Closing Method | Mounting | Overlay | Model | Item No. |
|---------------|---------------------|----------|---------|-----------|------------|
| 94° | Self-close | Screw | Overlay | C2PBM99AC | 329.96.507 |
| 110° | Silentia Soft Close | Screw | Overlay | C7P6MD9AC | 329.25.407 |
| 94° | Self-close | Dowel | Overlay | C2RBM99AC | 329.96.517 |
| 110° | Silentia Soft Close | Dowel | Overlay | C7R6MD9AC | 329.25.417 |

Typical mounting



16 mm use #5 Mounting plate
19 mm use #2 Mounting plate **Tab = 3**



Trim Caps

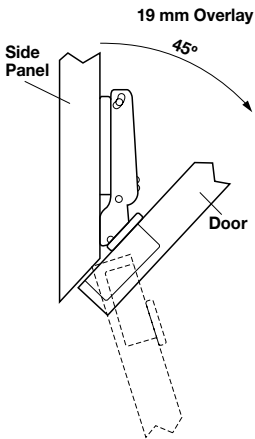
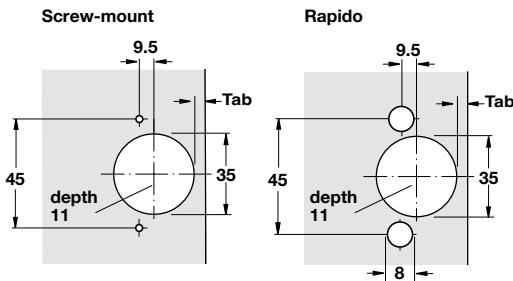
- For hinge arm

Material: Plastic

| Color | Model | Item No. |
|-------|----------|------------|
| white | S2XX83A1 | 329.18.700 |
| black | S2XX83A3 | 329.18.308 |



Salice – Special Application

- Door thickness 16 to 26 mm (5/8" to 1")
- Side panel thickness from 16 mm (5/8")
- Tab: 3 – 6 mm



-45° Corner Hinges

Material: Steel; Finish: nickel-plated

| Opening Angle | Closing Method | Mounting | Overlay | Hinge Arm | Model | Item No. |
|---------------|----------------|----------|---------|--|---------|------------|
| 120° | Self-closing | Screw | Full |  | C2P7H99 | 329.09.514 |
| 120° | Self-closing | Rapido | Full |  | C277H99 | 329.09.590 |



Trim Caps

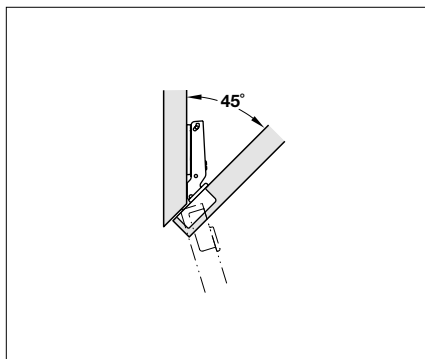
- For hinge arm

Material: Plastic

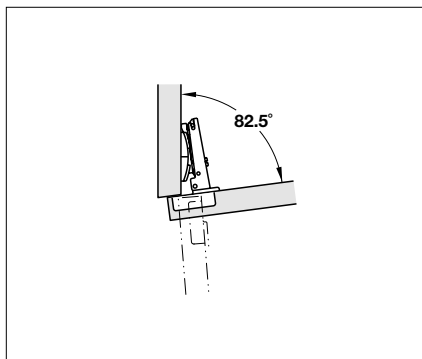
| Color | Model | Item No. |
|-------|----------|------------|
| white | S2XX83A1 | 329.18.700 |
| black | S2XX83A3 | 329.18.308 |

Salice

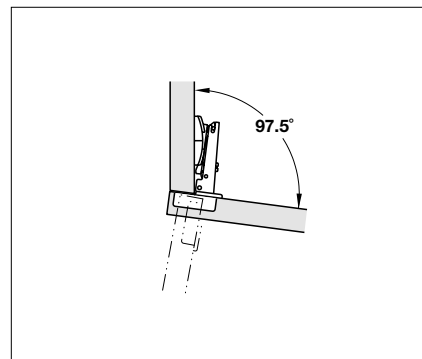
Mounting solutions with special corner mountings (examples)



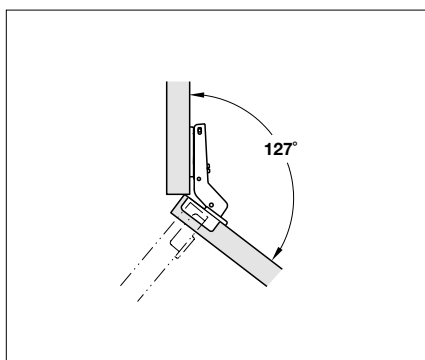
Concealed hinge 329.09.514 / page **9.35**
Mounting plate 329.71.500 / page **9.41**



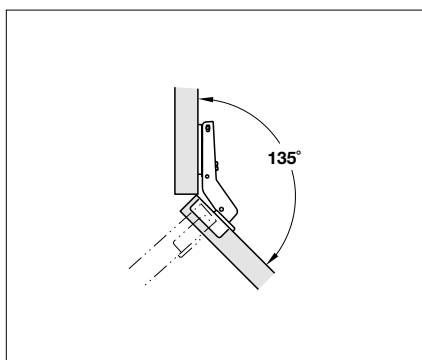
Concealed hinge 329.28.500 / page **9.17**
Mounting plate 329.84.110 / page **9.45**



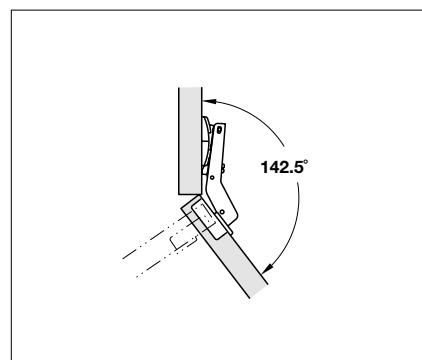
Concealed hinge 329.28.500 / page **9.17**
Mounting plate 329.84.110 / page **9.45**



Concealed hinge 329.09.505 / page **9.34**
Mounting plate 329.84.110 / page **9.40**



Concealed hinge 329.09.505 / page **9.34**
Mounting plate 329.71.500 / page **9.41**

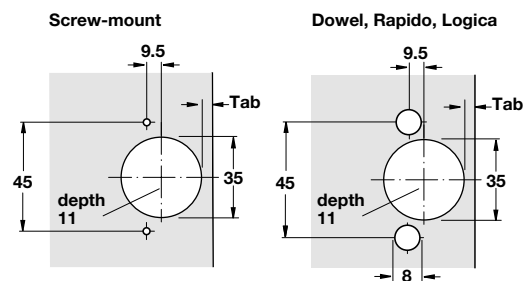


Concealed hinge 329.09.505 / page **9.34**
Mounting plate 329.84.110 / page **9.45**

Salice

The PUSH-System has been developed to meet the market trend of handle-less furniture. It consists of a series of self-opening hinges and release devices that can easily be mounted to your furniture.

- Door thickness 16 to 23 mm (5/8" – 7/8") for 110°
- Door thickness 16 to 28 mm (5/8" – 1 1/8") for 165°
- Side panel thickness from 16 mm (5/8")
- Tab: 3 - 6 mm for 110°
- Tab: 3 - 8 mm for 165°
- Allows for a very "clean" design appearance
- Reverse-spring hinges help "PUSH" the door open



PUSH System

Material: Cup: Steel; Hinge arm: Steel; Finish: nickel-plated

| Opening Angle | Closing Method | Mounting | Overlay | Hinge Arm | Model | Item No. |
|---------------|----------------|----------|---------|-----------|---------|------------|
| 110° | Self-opening | Screw | Full | | C2PPA99 | 329.17.800 |
| 110° | Self-opening | Screw | Half | | C2PPG99 | 329.17.802 |
| 110° | Self-opening | Screw | Inset | | C2PPP99 | 329.17.803 |
| 110° | Self-opening | Dowel | Full | | C2RPA99 | 329.17.810 |
| 110° | Self-opening | Dowel | Half | | C2RPG99 | 329.17.812 |
| 110° | Self-opening | Dowel | Inset | | C2RPP99 | 329.17.813 |



PUSH System

Material: Cup: Steel; Hinge arm: Steel; Finish: nickel-plated

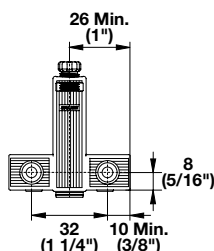
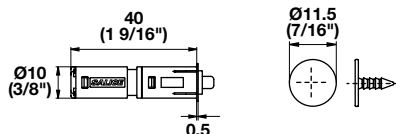
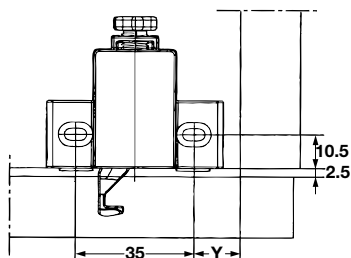
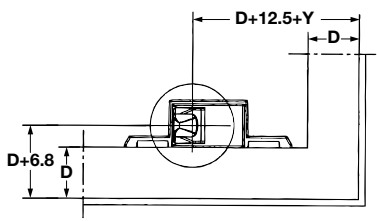
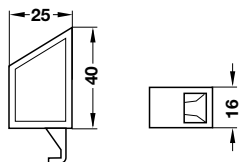
| Opening Angle | Closing Method | Mounting | Overlay | Hinge Arm | Model | Item No. |
|---------------|----------------|----------|---------|-----------|---------|------------|
| 165° | Self-opening | Screw | Full | | C2PSA99 | 329.07.800 |
| 165° | Self-opening | Screw | Half | | C2PSG99 | 329.07.802 |
| 165° | Self-opening | Screw | Inset | | C2PSP99 | 329.07.803 |
| 165° | Self-opening | Dowel | Full | | C2RSA99 | 329.07.810 |
| 165° | Self-opening | Dowel | Half | | C2RSG99 | 329.07.812 |
| 165° | Self-opening | Dowel | Inset | | C2RSP99 | 329.07.813 |

| | |
|--------------------------|-----------------|
| Mounting plates | pages 9.40-9.45 |
| Push latches and catches | pages 9.38-9.39 |

Dimensions in mm
Inches are approximate

Salice

- For doors taller than 1600 mm (63"), 2 push latches are recommended
- Aim hooks toward hinges
- Depth adjustment -1/+2.5 mm by screw
- Lateral adjustment +/- 2 mm by elongated mounting holes



PUSH Latch

- Without adjustment

Material: Plastic

| Color | Model | Item No. |
|-------|---------|------------|
| black | DP3SN3R | 329.44.301 |
| beige | DP3SNBR | 329.44.401 |

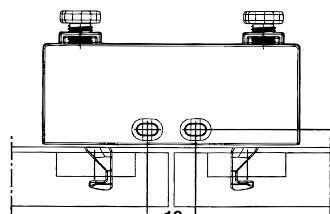
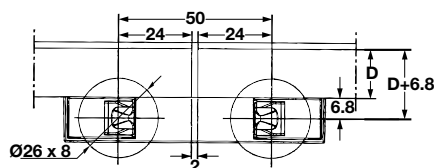
Supplied With
Mounting screws
Cover caps

PUSH Latch

- With adjustment

Material: Plastic

| Type | Color | Model | Item No. |
|--------|-------|--------|------------|
| single | black | DP4SN3 | 329.44.371 |
| single | beige | DP4SNB | 329.44.471 |
| double | black | DP5SN3 | 329.44.391 |
| double | beige | DP5SNB | 329.44.491 |



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

Magnetic PUSH Latch

- With catch

Material: Plastic; Catch: Steel

| Color | Model | Item No. |
|-------|---------|------------|
| white | DPMB289 | 356.06.401 |

Magnetic PUSH Latch Adapter

- Adjustable
- Without lip

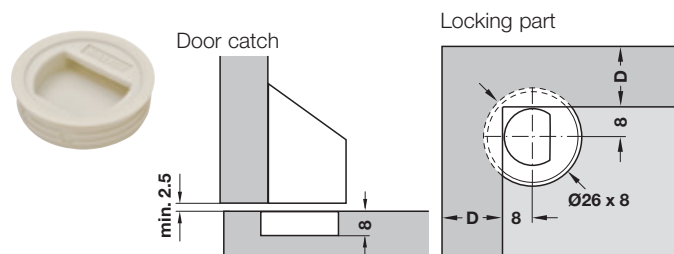
Material: Plastic

| Color | Model | Item No. |
|-------|----------|------------|
| white | DP84SNBR | 356.06.420 |

Salice

- For doors taller than 1600 mm (63"), 2 push latches are recommended

Fitting overlay door

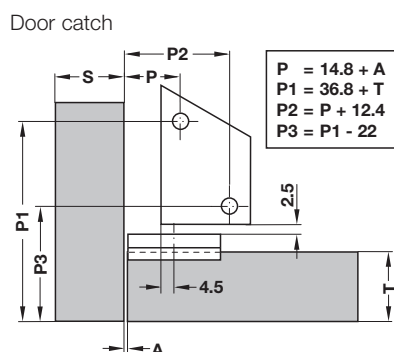


Press-fit Catch

- For overlay doors

Material: Plastic

| Color | Model | Item No. |
|-------|---------|------------|
| black | DP29SN3 | 329.44.332 |
| beige | DP29SNB | 329.44.432 |



Screw-mount Catch

- For inset doors
- With positioning aid

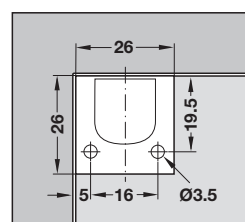
Material: Plastic

| Color | Model | Item No. |
|-------|----------|------------|
| black | DP29SN3I | 329.44.330 |



Fitting inset doors

Locking part



Screw-mount Catch

- For inset doors
- Without positioning aid

Material: Plastic

| Color | Model | Item No. |
|-------|----------|------------|
| black | DP29SN3R | 329.44.331 |
| beige | DP29SNBR | 329.44.431 |



Installation and Positioning Tool

- For catches

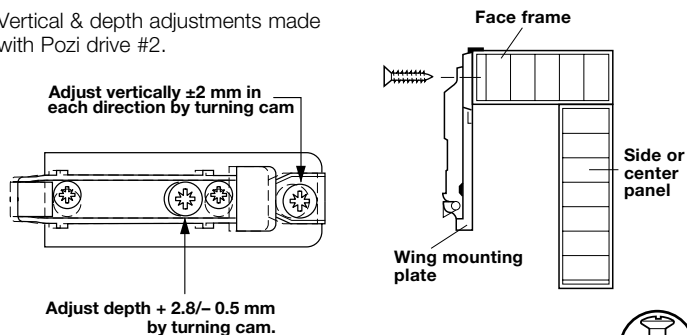
Material: Plastic

| Color | Model | Item No. |
|--------|---------|------------|
| orange | DP50SNO | 329.44.990 |



Salice – Mounting Plates

Vertical & depth adjustments made with Pozi drive #2.



Clip Face Frame

- Screw-mounted
- Spring lever
- Vertical adjustment

Material: Zinc, die-cast; Finish: nickel-plated

| Reinforcement | Overlay | Model | Item No. |
|---------------|---------|---------|------------|
| 1 | 3/4" | BAU3E19 | 329.64.631 |
| 4 | 1/2" | BAU3E49 | 329.64.640 |



Clip Face Frame

- Screw-mounted
- Spring lever
- Vertical adjustment

Material: Steel; Finish: nickel-plated

| Reinforcement | Overlay | Model | Item No. |
|---------------|---------|---------|------------|
| 1 | 3/4" | BAU3L19 | 329.64.531 |
| 4 | 1/2" | BAU3L49 | 329.64.540 |



Clip Face Frame

- Screw-mounted
- Spring lever
- Double cam
- Independent and depth vertical adjustment

Material: Zinc, die-cast; Finish: nickel-plated

| Reinforcement | Overlay | Model | Item No. |
|---------------|---------|---------|------------|
| 1 | 3/4" | BAU3R19 | 329.64.551 |
| 4 | 1/2" | BAU3R49 | 329.64.554 |

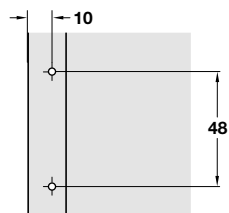


Clip Face Frame

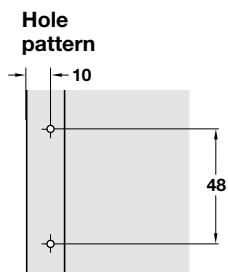
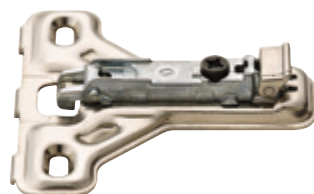
- For inset application
- Spring lever
- 2 cam adjustment
- To be used with half overlay hinge
- Independent vertical adjustment

Material: Zinc, die-cast; Finish: nickel-plated

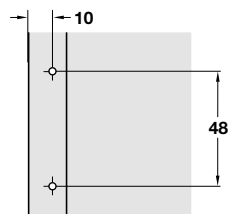
| Reinforcement | Model | Item No. |
|---------------|---------|------------|
| 12 | BAL3R59 | 329.67.030 |



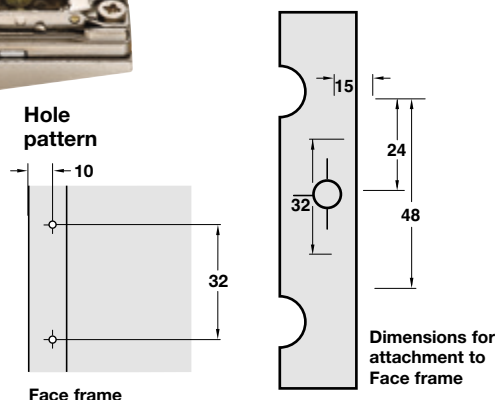
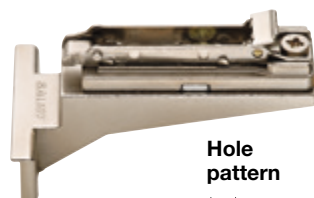
Face frame



Face frame



Face frame

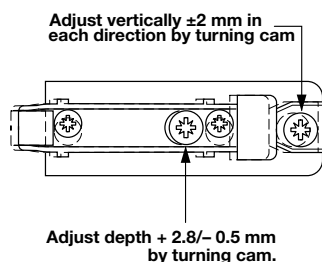
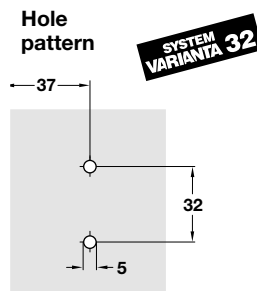
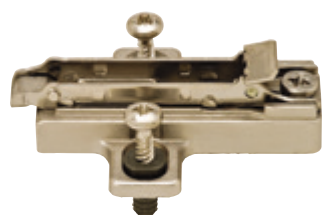
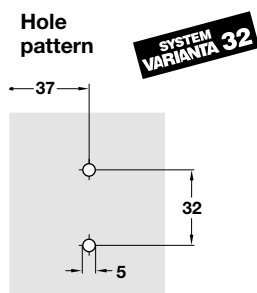
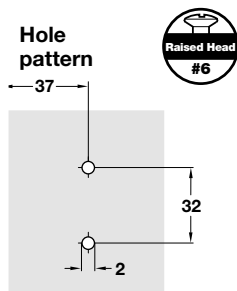


Face frame

Dimensions for attachment to Face frame

Salice – Mounting Plates

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.



Clip

- Screw-mounted
- Spring lever
- With independent vertical and depth adjustment

Material: Steel, Zinc; Finish: nickel-plated

| Reinforcement | Model | Item No. |
|---------------|---------|------------|
| 0 | BAR3R09 | 329.71.500 |
| 2 | BAR3R29 | 329.71.502 |
| 3 | BAR3R39 | 329.71.503 |
| 6 | BAR3R69 | 329.71.506 |
| 9 | BAR3R99 | 329.71.508 |
| 12 | BAR3RC9 | 329.71.509 |

Clip

- Screw-mounted in system holes
- Spring lever
- Pre-installed 11 mm Euro screws
- With independent vertical and depth adjustment

Material: Steel, Zinc; Finish: nickel-plated

| Reinforcement | Model | Item No. |
|---------------|------------|------------|
| 0 | BARGR09/16 | 329.71.510 |
| 2 | 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 |

Clip

- For center/common panels
- With pre-installed 7.5 mm Euro screws

Material: Steel, Zinc; Finish: nickel-plated

| Reinforcement | Model | Item No. |
|---------------|------------|------------|
| 0 | BARGR09/20 | 329.71.530 |
| 3 | BARGR39/20 | 329.71.533 |

Clip

- Mounted in system holes with expandable 5 mm dowels
- Spring lever
- With independent vertical and depth adjustment

Material: Steel, Zinc; Finish: nickel-plated

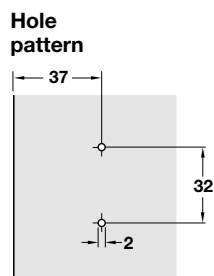
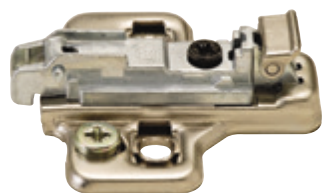
| Reinforcement | Model | Item No. |
|---------------|------------|------------|
| 0 | BAR4R09/16 | 329.71.520 |
| 2 | BAR4R29/16 | 329.71.522 |
| 3 | BAR4R39/16 | 329.71.523 |
| 6 | BAR4R69/16 | 329.71.526 |

Note

Vertical & depth adjustments made with Pozi drive #2.

Salice – Mounting Plates

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.

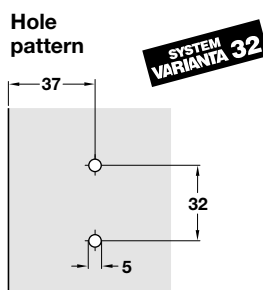
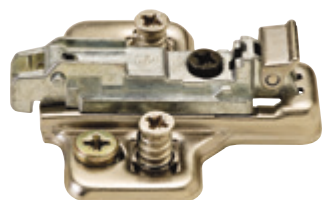


Clip

- Screw-mounted
- Spring lever
- With vertical adjustment

Material: Steel; Finish: nickel-plated

| Reinforcement | Model | Item No. |
|---------------|----------|------------|
| 0 | BAR3L09F | 329.68.000 |
| 3 | BAR3L39F | 329.68.003 |
| 6 | BAR3L69F | 329.68.006 |



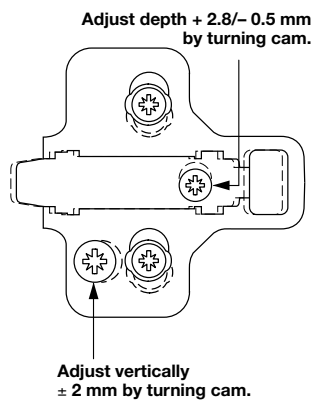
Clip

- Screw-mounted in system holes
- Spring lever
- Pre-installed euro mounting screws
- 11 mm length for single-side mounting
- With vertical adjustment

Material: Steel; Finish: nickel-plated

| Reinforcement | Model | Item No. |
|---------------|-------------|------------|
| 0 | BARGL09F/16 | 329.69.010 |
| 3 | BARGL39F/16 | 329.69.013 |
| 6 | BARGL69F/16 | 329.69.016 |

Vertical and depth adjustments made with Pozi drive #2.



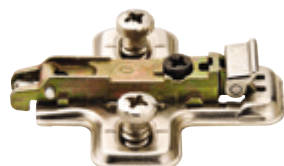
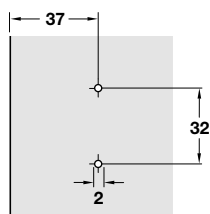


Salice – Mounting Plates

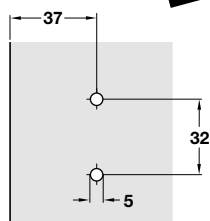
- Depth adjustment with cam screw +2.8/-0.5 mm



Hole pattern



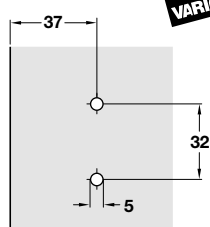
Hole pattern



SYSTEM
VARIANTA 32



Hole pattern



SYSTEM
VARIANTA 32

Clip

- Screw-mounted
- Spring level
- With vertical adjustment (oblong holes)

Material: Steel; Finish: nickel-plated

| Reinforcement | Model | Item No. |
|---------------|----------|------------|
| 0 | BAV3L09F | 329.62.520 |
| 3 | BAV3L39F | 329.73.503 |
| 6 | BAV3L69F | 329.73.506 |

Material: Zinc; Finish: nickel-plated

| Reinforcement | Model | Item No. |
|---------------|----------|------------|
| 9 | BAV3E99F | 329.62.691 |
| 12 | BAV3EC9F | 329.85.012 |
| 18 | BAV3EV9F | 329.85.018 |

Clip

- Screw-mounted
- Spring lever
- Pre-installed mounting screws
- 11 mm length for single-side mounting
- With vertical adjustment (oblong holes)

Material: Steel; Finish: nickel-plated

| Reinforcement | Model | Item No. |
|---------------|-------------|------------|
| 0 | BAVGL09F/16 | 329.73.510 |
| 3 | BAVGL39F/16 | 329.85.043 |
| 6 | BAVGL69F/16 | 329.73.516 |

- 7.5 mm length for single-side mounting

Material: Steel; Finish: nickel-plated

| Reinforcement | Model | Item No. |
|---------------|-------------|------------|
| 0 | BAVGL09F/20 | 329.73.520 |

Clip

- Screw-mounted in system holes
- Spring lever
- Pre-installed mounting screws
- 11 mm length for single-side mounting
- With vertical adjustment (oblong holes)

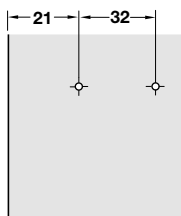
Material: Zinc die-cast; Finish: nickel-plated

| Reinforcement | Model | Item No. |
|---------------|-------------|------------|
| 0 | BAVGE09F/16 | 329.63.527 |
| 3 | BAVGE39F/16 | 329.63.750 |
| 6 | BAVGE69F/16 | 329.63.787 |
| 9 | BAVGE99F/16 | 329.63.796 |
| 12 | BAVGE09F/16 | 329.85.032 |
| 18 | BAVGEV9F/16 | 329.85.038 |

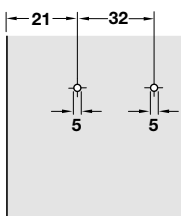
Salice – Mounting Plates



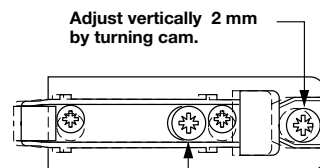
Hole
pattern



Hole
pattern



Vertical and depth
adjustments made
with Pozi drive #2.



Adjust depth + 2.8/- 0.5 mm
by turning cam.

Clip

- Screw-mounted with wood screws
- With independent vertical adjustment

Material: Steel; Finish: nickel-plated

| Reinforcement | Model | Item No. |
|---------------|---------|------------|
| 0 | BAP3R09 | 329.67.040 |
| 3 | BAP3R39 | 329.67.043 |
| 9 | BAP3R99 | 329.67.048 |

Supplied With
Screws

Clip

- Pre-installed euro mounting screws
- 11 mm length for single-side mounting
- Spring lever
- Screw-mounted in system holes
- With independent vertical adjustment

Material: Steel; Finish: nickel-plated

| Reinforcement | Model | Item No. |
|---------------|------------|------------|
| 2 | BAPGR29/16 | 329.67.002 |
| 3 | BAPGR39/16 | 329.67.003 |

Face Frame Inset Assembly

- Used with mounting plate above for a complete assembly
- Offers an appropriate mounting plate thickness for the variety of cabinet construction
- Eliminates the need to “build up” to match the face frame interspace

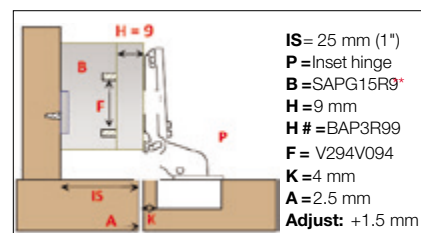
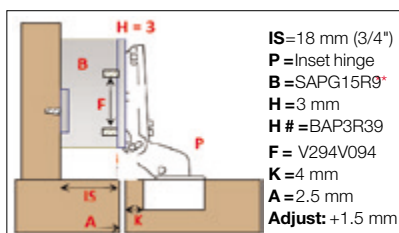
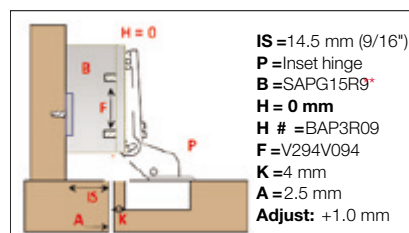
Material: Steel; Finish: nickel-plated

| Model | Item No. |
|------------------------------|------------------------|
| for wood screws | SAPG15R9 329.67.061 |
| with pre-mounted euro screws | SAPG15R9/16 329.67.071 |

M4 Screw, 10 mm

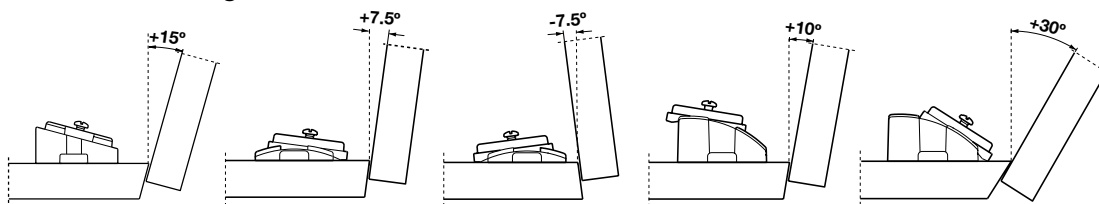
| Item No. |
|------------|
| 022.35.109 |

Order Supplied With
100 pcs.



IS – Interspace (from side to frame edge)
B – Lower base
F – M4 screw
H – Top plate height
K – Edge bore distance
A – Gap

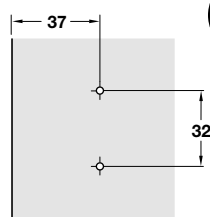
Salice – Mounting Plates



An almost infinite variety of angled door applications is possible when used in conjunction with Salice hinges found on pages **9.16-9.21**, **9.27-9.37**.



Hole pattern



Slide-on

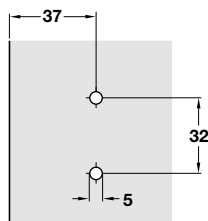
- Screw-mounted
- Pre-installed hinge-arm retaining screws
- With independent vertical adjustment

Material: Zinc, die-cast; Finish: nickel-plated

| Reinforcement | Model | Item No. |
|---------------|------------|------------|
| 0 | B2R3E09/15 | 329.80.626 |
| 3 | B2R3E39/15 | 329.80.653 |
| 9 | B2R3E99/15 | 329.80.680 |



Hole pattern



**SYSTEM
VARIANTE 32**

Slide-on

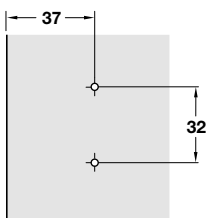
- Screw-mounted in system holes
- Pre-installed hinge-arm retaining screws
- Pre-installed fastening screws
- 11 mm length for single-side mounting
- With independent vertical adjustment

Material: Zinc, die-cast; Finish: nickel-plated

| Reinforcement | Model | Item No. |
|---------------|------------|------------|
| 0 | B2RGE09/17 | 329.81.721 |
| 3 | B2RGE39/17 | 329.81.758 |
| 6 | B2RGE69/17 | 329.84.006 |
| 9 | B2RGE99/17 | 329.81.785 |



Hole pattern



Slide-on

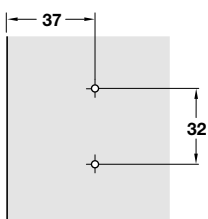
- Screw-mount
- Pre-installed hinge-arm retaining screws
- With vertical adjustment (oblong holes)

Material: Zinc, die-cast; Finish: nickel-plated

| Type | Model | Item No. |
|------|------------|------------|
| 15° | B2V3BW9/15 | 329.84.100 |



Hole pattern



**SYSTEM
VARIANTE 32**



Slide-on

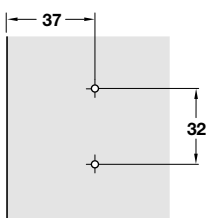
- Screw-mount
- Pre-installed hinge-arm retaining screws
- With vertical adjustment (oblong holes)

Material: Zinc, die-cast; Finish: nickel-plated

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



Hole pattern



**SYSTEM
VARIANTE 32**



Slide-on

- Screw-mount
- Pre-installed hinge-arm retaining screws
- With vertical adjustment (oblong holes)

Material: Zinc, die-cast; Finish: nickel-plated

| Reinforcement | Type | Model | Item No. |
|---------------|-----------|-------------|------------|
| variable | +10/+ 30° | B2V3BW9S/15 | 329.84.120 |

Dimensional data not binding. We reserve the right to alter specifications without notice.

Dimensions in mm
Inches are approximate

Salice



Depth Gauge

- Used to verify the correct drilling depth for the Silentia series (13.5 mm)
- 35 mm diameter

Material: Plastic

| Model | Item No. |
|-----------|------------|
| D7A6ACYSN | 001.89.140 |



Stop Device

- For hinges with a 94° opening and a 35 mm cup
- Limits the opening to 86°

Material: Steel

| Model | Item No. |
|----------|------------|
| S2A637XF | 329.24.500 |



Cover Caps

Material: Steel

| Model | Item No. |
|----------|------------|
| S2BX83H9 | 329.32.500 |



Flange Cover Caps

Material: Steel

| Model | Item No. |
|----------|------------|
| S2XX85H9 | 329.32.530 |

Replacement Dowels for Hinges

Material: Plastic

| Model | Item No. |
|----------|------------|
| S2R660XY | 329.00.093 |

Replacement Screws for Dowels

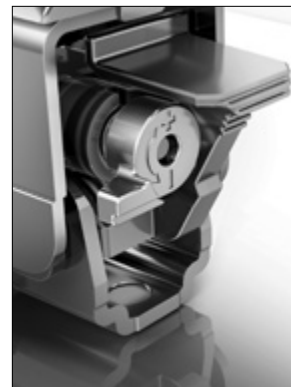
Material: Steel

| Model | Item No. |
|----------|------------|
| V284X114 | 329.00.084 |

Grass TIOMOS

Features

- A hinge system for all door applications
- With 3 soft close settings, invisibly integrated in hinge arm
- Mounting door to cabinet without tools using clip system
- Optimized lever movement and kinematics for easy opening of door and minimum gap dimensions
- 3-dimensional, continuous adjustment facility for door via eccentric (side adjustment) or special tech (depth and height adjustment):
Side adjustment: ± 2 mm
Depth adjustment: from $-2/+3$ mm
Height adjustment: ± 2.5 mm depending on the mounting plate

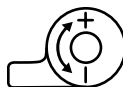


Adjustment facility of soft close



For large and heavy doors

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



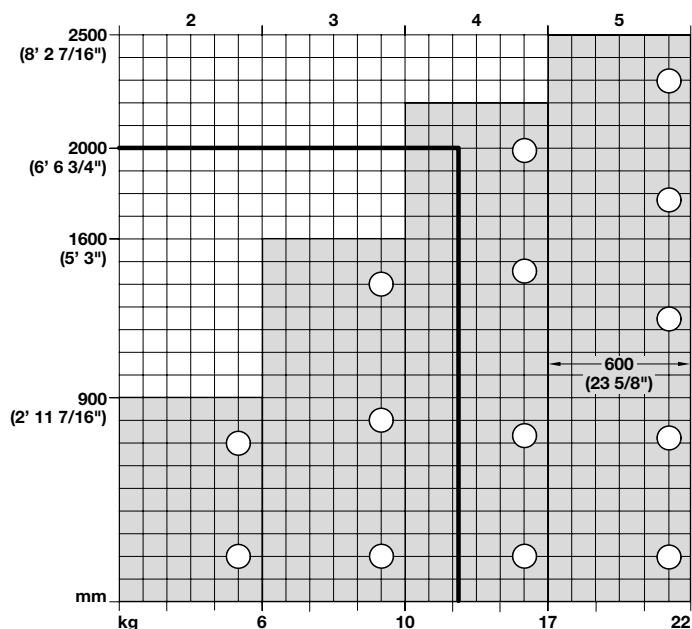
For standard doors

Adjustment lever in the horizontal position - factory setting



For small and lightweight doors

A more gentle 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 a standard door width of 600 mm (23 5/8").

Determine the number of hinges by trial mounting, in case of doubt.

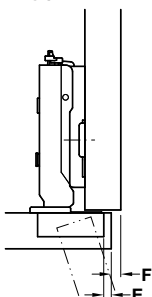
According to the example diagram, four concealed hinges should be mounted with a door height of 2 m (6' 6 3/4") x 600 mm (23 5/8") and a door weight of 13 kg (29 lbs.).

Grass TIOMOS

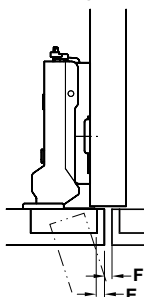
The reveal (F) is the distance required between the door and the side wall or between 2 doors to allow sufficient space for opening the door. The required reveal (F) depends on the door thickness.



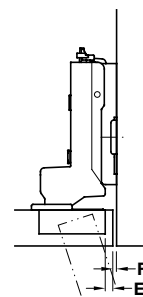
Full overlay plus/full overlay mounting



Half overlay/twin mounting



Inset mounting



Minimum Reveal

110°

| Door Thickness | Distance to cup E | | | | |
|-------------------------|--------------------------|-----|-----|-----|-----|
| | 3 | 4 | 5 | 6 | 7 |
| 16 | .6 | .6 | .6 | .6 | .6 |
| 17 | .6 | .6 | .6 | .6 | .6 |
| 18 | .7 | .7 | .7 | .7 | .7 |
| 19 | .9 | .9 | .9 | .9 | .9 |
| 20 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 21 | 1.4 | 1.3 | 1.3 | 1.3 | 1.3 |
| 22 | 1.6 | 1.6 | 1.6 | 1.5 | 1.5 |
| 24 | 2.4 | 2.1 | 2.1 | 2.1 | 2 |
| Minimum reveal F | | | | | |

120°

| Door Thickness | Distance to cup E | | | | |
|-------------------------|--------------------------|-----|-----|-----|-----|
| | 3 | 4 | 5 | 6 | 7 |
| 24 | 6.4 | 5.4 | 4.4 | 3.4 | 2.4 |
| 22 | 3 | 2 | 1.5 | 1.5 | 1.5 |
| 21 | 1.4 | 1.3 | 1.3 | 1.3 | 1.3 |
| 20 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 19 | .9 | .9 | .9 | .9 | .9 |
| 18 | .7 | .7 | .7 | .7 | .7 |
| 17 | 1 | 1 | 1 | 1 | 1.5 |
| 16 | 1 | 1 | 1 | 1 | 1 |
| Minimum reveal F | | | | | |

30°/45° angle hinge

| Door Thickness | Distance to cup E | | | | |
|-------------------------|--------------------------|-----|-----|-----|-----|
| | 3 | 4 | 5 | 6 | 7 |
| 16 | .6 | .6 | .6 | .6 | .6 |
| 17 | .6 | .6 | .6 | .6 | .6 |
| 18 | .7 | .7 | .7 | .7 | .7 |
| 19 | .9 | .9 | .9 | .9 | .9 |
| 20 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 21 | 1.4 | 1.3 | 1.3 | 1.3 | 1.3 |
| 22 | 1.6 | 1.6 | 1.6 | 1.5 | 1.5 |
| 24 | 2.4 | 2.1 | 2.1 | 2.1 | 2 |
| Minimum reveal F | | | | | |

Note

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

160°

| Door Thickness | Distance to cup E | | | | | | |
|-------------------------|--------------------------|-----|-----|-----|-----|-----|-----|
| | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 29 | .2 | .2 | .2 | .2 | .2 | .2* | .2* |
| 30 | .2 | .2 | .2* | .2* | .2* | | |
| 31 | .2* | .2* | .2* | .2* | | | |
| 32 | .2* | .2* | | | | | |
| Minimum reveal F | | | | | | | |

Note

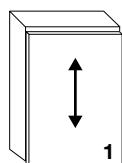
Minimum reveal F:

No minimum gap is required for door thickness 16 to 28 mm.

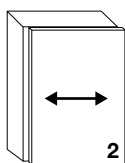
We recommend trial mounting from a door thickness of 29 mm and above.

29-32 *require reduction clip

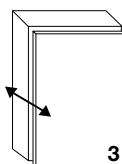
9



1
Height adjustment
+/-2.5 mm



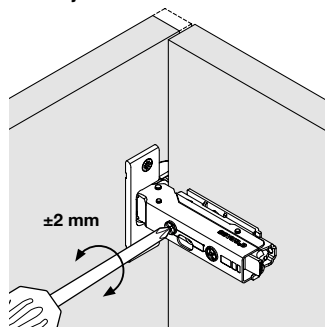
2
Side adjustment
+/-2 mm



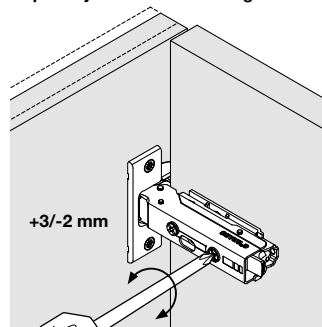
3
Depth adjustment
+3/-2 mm

All adjustments can be carried out independently of each other

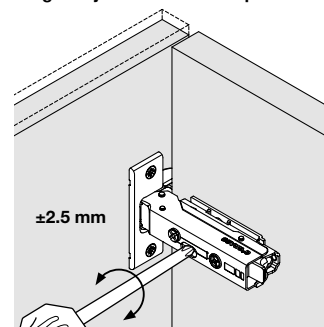
Side adjustment



Depth adjustment via worm gear



Height adjustment via base plate



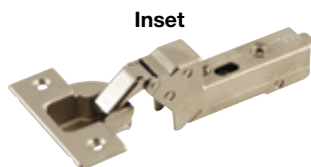
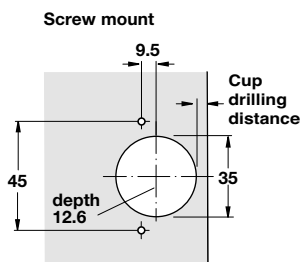
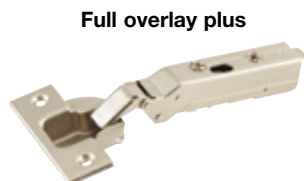
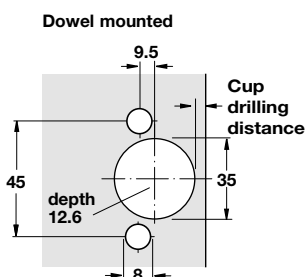
Dimensions in mm
Inches are approximate

Grass TIOMOS

- Soft close or self close
- A hinge system for all door applications
- 3 soft close settings, invisibly integrated in hinge arm
- Screw or dowel mounted
- 3-dimensional, continuous adjustment facility for door via eccentric (side adjustment) or special tech (depth and height adjustment):
Side adjustment ± 2 mm
Depth adjustment from $-2/+3$ mm
Height adjustment ± 2.5 mm depending on the mounting plate

Note

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



soft&silent)))

Opening angle: **110°**



Full Overlay Plus

- For large door overlay up to 24 mm

Material: Steel; Finish: nickel-plated

| Version | Hinge Arm | Screw | Dowel |
|------------|-----------|------------|------------|
| soft close | | 348.31.800 | 348.31.810 |
| self close | | 348.31.600 | 348.31.610 |

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

E - cup drilling distance

Note

Door overlay over 24 mm possible, with side adjustment by ± 2 mm.

Full Overlay Mounting

Material: Steel; Finish: nickel-plated

| Version | Hinge Arm | Screw | Dowel |
|------------|-----------|------------|------------|
| soft close | | 348.31.801 | 348.31.811 |
| self close | | 348.31.601 | 348.31.611 |

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

E - cup drilling distance

Half Overlay/Twin Mounting

Material: Steel; Finish: nickel-plated

| Version | Hinge Arm | Screw | Dowel |
|------------|-----------|------------|------------|
| soft close | | 348.31.802 | 348.31.812 |
| self close | | 348.31.602 | 348.31.612 |

| 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 | | |

E - cup drilling distance

Inset Mounting

Material: Steel; Finish: nickel-plated

| Version | Hinge Arm | Screw | Dowel |
|------------|-----------|------------|------------|
| soft close | | 348.31.803 | 348.31.813 |
| self close | | 348.31.603 | 348.31.613 |

| Door Overlay | -4 | -3 | -2 | -1 | 0 |
|--------------|----|----|----|----|---|
| 0 baseplate | | | | 3 | 4 |
| 2 baseplate | | 3 | 4 | 5 | 6 |

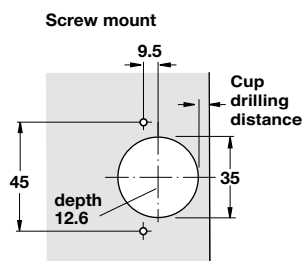
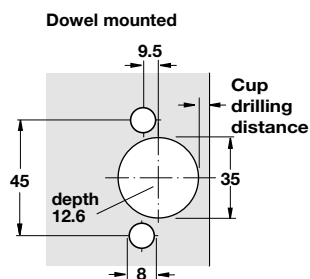
E - cup drilling distance

Grass TIOMOS

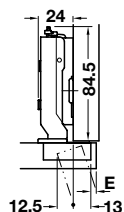
- Soft close or self close
- A hinge system for all door applications
- 3 soft close settings, invisibly integrated in hinge arm
- Screw or dowel mounted
- 3-dimensional, continuous adjustment facility for door via eccentric (side adjustment) or special tech (depth and height adjustment):
Side adjustment ± 2 mm
Depth adjustment from $-2/+3$ mm
Height adjustment ± 2.5 mm depending on the mounting plate

Note

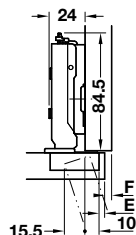
Dimensions in drawings and tables are calculated using factory settings and for mounting plate height 2 mm (3/32").



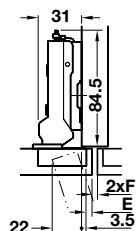
Full overlay plus



Full overlay



Half overlay



soft&silent)))

Opening angle: **120°**



Full Overlay Plus

- For large door overlay up to 24 mm

Material: Steel; Finish: nickel-plated

| Version | Hinge Arm | Screw | Dowel | Impresso |
|------------|-----------|------------|------------|------------|
| soft close | | 348.36.800 | 348.36.810 | 348.36.730 |
| self close | | 348.36.600 | 348.36.610 | 348.36.530 |

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

E - cup drilling distance

Note

Door overlay over 24 mm possible, with side adjustment by ± 2 mm.

Full Overlay Mounting

Material: Steel; Finish: nickel-plated

| Version | Hinge Arm | Screw | Dowel | Impresso |
|------------|-----------|------------|------------|------------|
| soft close | | 348.36.801 | 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 | | |

E - cup drilling distance

Half Overlay/Twin Mounting

Material: Steel; Finish: nickel-plated

| Version | Hinge Arm | Screw | Dowel | Impresso |
|------------|-----------|------------|------------|------------|
| soft close | | 348.36.802 | 348.36.812 | 348.36.732 |
| self close | | 348.36.602 | 348.36.612 | 348.36.532 |

| 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 | | |

E - cup drilling distance

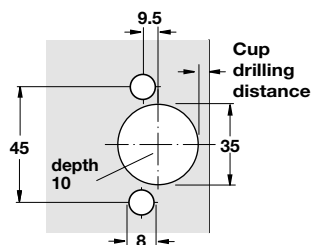
Grass TIOMOS

- Soft close or self close
- Screw or dowel mounted
- Door thickness up to 32 mm (1 1/4")
- Shallow cup drilling depth: 10 mm (3/8")
- Accommodates overlays up to 25.4 mm (1")

Note

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

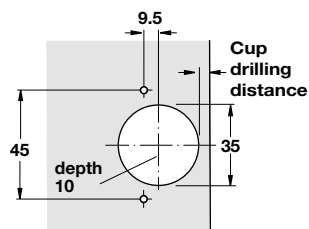
Dowel mounted



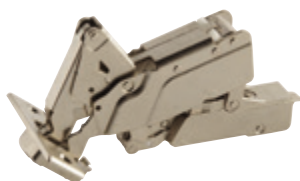
Full overlay plus



Screw mount



Full overlay/Inset



Half Overlay



soft&silent)))

Opening angle: **160°**



Full Overlay Plus

- For large door overlay up to 24 mm
- For door thickness up to 32 mm (for door thicknesses over 29 mm, a trial fitting is recommended)

Material: Steel; Finish: nickel-plated

| Version | Hinge Arm | Screw | Dowel |
|------------|-----------|------------|------------|
| soft close | | 348.32.800 | 348.32.810 |
| 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 | | |

E - cup drilling distance

Full Overlay/Inset Mounting

Material: Steel; Finish: nickel-plated

| Version | Hinge Arm | Screw | Dowel |
|------------|-----------|------------|------------|
| soft close | | 348.32.801 | 348.32.811 |
| self close | | 348.32.601 | 348.32.611 |

| 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 | | |

E - cup drilling distance

Note

For inset mounting use 19 mm mounting plate. Set mounting plate back by door thickness + 1.5 mm.

Half Overlay

Material: Steel; Finish: nickel-plated

| Version | Hinge Arm | Screw | Dowel |
|------------|-----------|------------|------------|
| soft close | | 348.32.802 | 348.32.812 |
| self close | | 348.32.602 | 348.32.612 |

| 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 | | |

E - cup drilling distance

Opening Angle Restraint

- For use with Tiomos 160° hinges
- Prevents the door from butting against front panels or walls with corner mounting

Material: Plastic; Color: black

| Opening Angle | Item No. |
|---------------|------------|
| 120° | 348.40.011 |

Grass TIOMOS

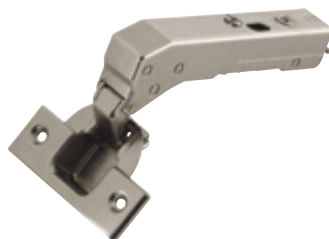
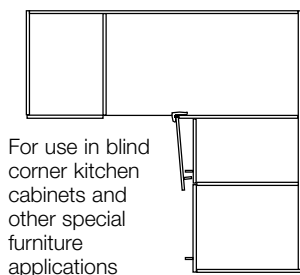
- Soft close or self close
- Screw or dowel mounted
- For blind corner applications
- For door thickness up to 24 mm (61/64"); for door thickness over 24 mm (61/64"), a trial mounting is recommended

Note

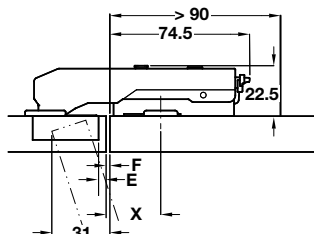
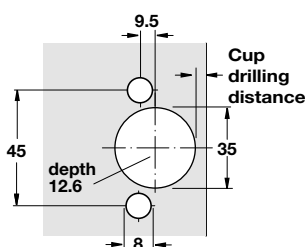
Dimensions in drawings and tables are calculated using factory settings and for mounting plate height 3 mm (1/8").

soft&silent)))

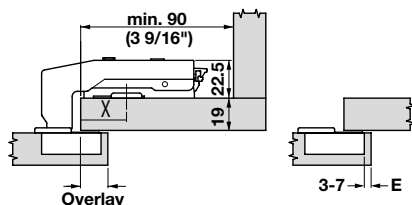
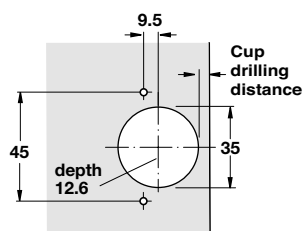
Opening angle: **110°**



Dowel mounted



Screw mount

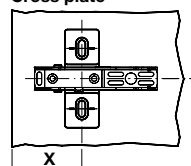


Blind Corner Hinge, Inset

Material: Steel; Hinge Arm: Zinc Alloy; Finish: nickel-plated

| Version | Screw | Dowel |
|------------|------------|------------|
| soft close | 348.37.800 | 348.37.810 |
| self close | 348.37.600 | 348.37.610 |

Cross plate



Inline plate

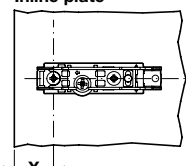


Table for Cross Plate

| Dim X | Drilling Distance E | | | |
|-------|---------------------|---|---|---|
| | 4 | 5 | 6 | 7 |
| 28 | 1 | 0 | | |
| 27 | 2 | 1 | 0 | |
| 26 | 3 | 2 | 1 | 0 |

Door reveal **F**

Table for Inline Plate

| Dim X | Drilling Distance E | | | |
|-------|---------------------|---|---|---|
| | 4 | 5 | 6 | 7 |
| 11 | 1 | 0 | | |
| 10 | 2 | 1 | 0 | |
| 9 | 3 | 2 | 1 | 0 |

Door reveal **F**

Blind Corner Hinge, Overlay

Material: Steel; Hinge Arm: Zinc Alloy; Finish: nickel-plated

| Version | Screw | Dowel |
|------------|------------|------------|
| soft close | 348.37.820 | 348.37.830 |
| self close | 348.37.620 | 348.37.630 |

| Dim X | Drilling Distance E | | | | |
|-------|---------------------|----|----|----|----|
| | 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 E | | | | |
|-------|---------------------|----|----|----|----|
| | 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 |

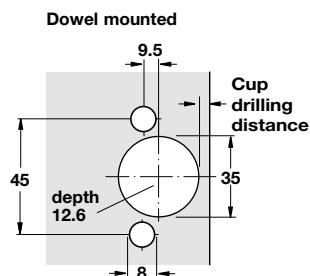
Door overlay

Grass TIOMOS

- For corner applications
- For door thickness up to 24 mm (61/64"); for door thickness over 22 mm (7/8") and above, a trial mounting is recommended

soft&silent)))

Opening angle: **110°**



+30° Corner Hinge/Overlay

- Screw mount
- Soft close

Material: Steel; Hinge Arm: Zinc Alloy

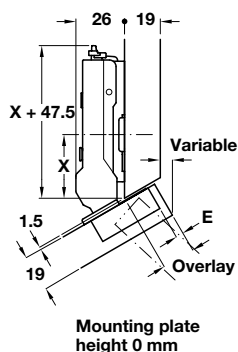
| Finish | Item No. |
|---------------|------------|
| nickel-plated | 348.35.801 |

Table for Cross Plate

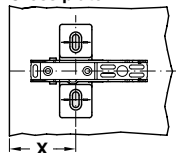
| Dim X | Distance to cup E |
|-------|-------------------|
| 34 | 0 |
| 33 | 2 |

Table for Inline Plate

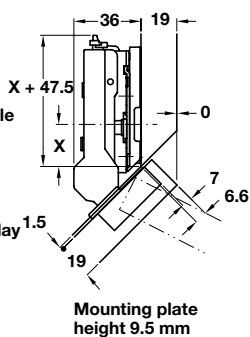
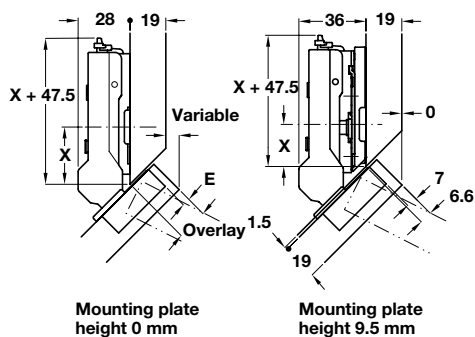
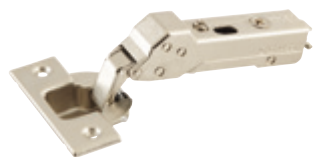
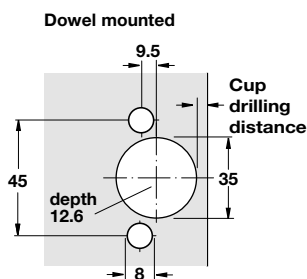
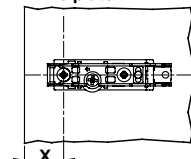
| Dim X | Distance to cup E |
|-------|-------------------|
| 17 | 0 |
| 16 | 2 |



Cross plate



Inline plate



+45° Corner Hinge/Overlay

- Screw or dowel mounted

Material: Steel; Hinge Arm: Zinc Alloy; Finish: nickel-plated

| Version | Screw | Dowel |
|------------|------------|------------|
| soft close | 348.35.805 | 348.35.815 |
| self close | 348.35.605 | 348.35.615 |

Table for Cross Plate

| Dim X | Distance to cup E |
|-------|-------------------|
| 30.5 | 0 |
| 28.5 | 2 |

Table for Inline Plate

| Dim X | Distance to cup E |
|-------|-------------------|
| 13.5 | 0 |
| 11.5 | 2 |

Grass TIOMOS

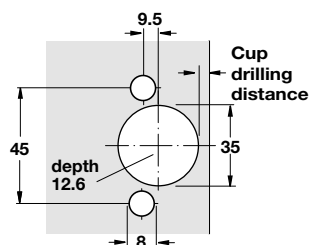
- With full-cup drill hole
- For connecting two folding doors
- For door thickness 14-22 mm
- Low cup drilling depth: 11.8 mm (15/32")
- Only available in self close
- 3-dimensional adjustment with appropriate mounting plate
- Use along with Tiomos 160°

Note

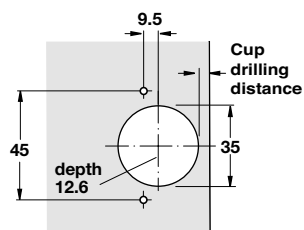
Dimensions in drawings and tables are calculated using factory settings and for mounting plate distance 0 mm.



Dowel mounted



Screw mount



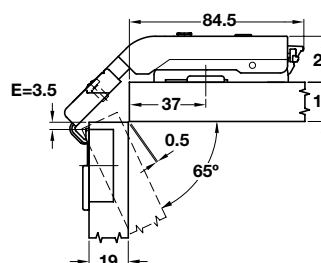
PCC Pie-Cut Corner Hinge

Material: Zinc Alloy; Finish: nickel-plated

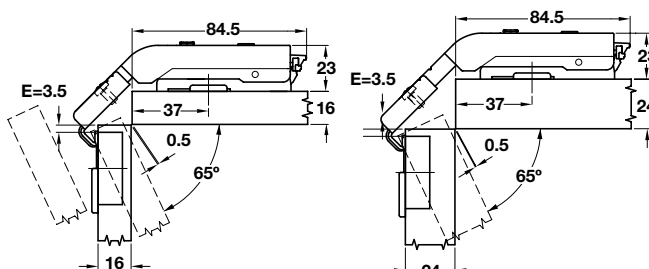


| Version | Item No. |
|---------|------------|
| screw | 348.29.600 |
| dowel | 348.29.650 |

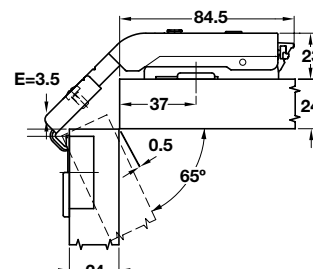
E = Distance to cup



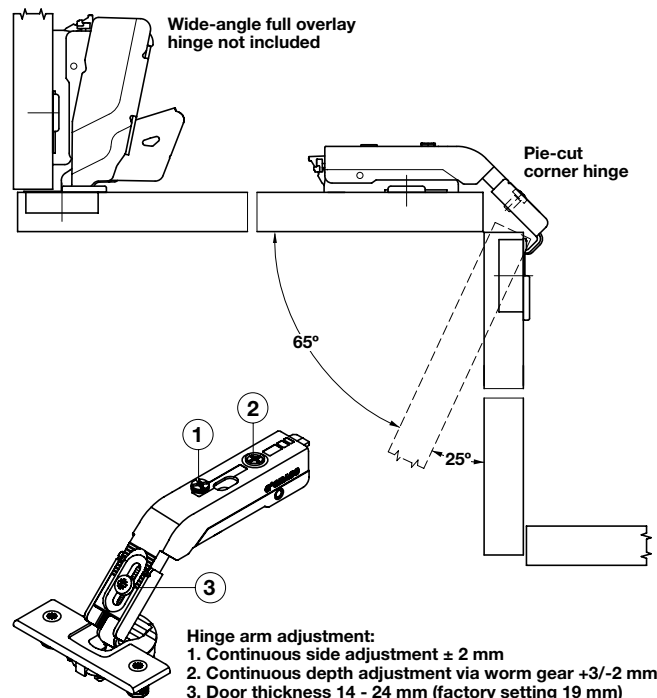
19 mm door thickness
Mounting plate height 0 mm



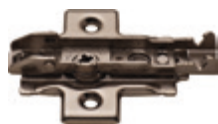
16 mm door thickness
Mounting plate height 0 mm



24 mm door thickness
Mounting plate height 0 mm



Grass TIOMOS

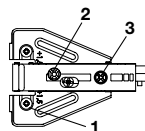
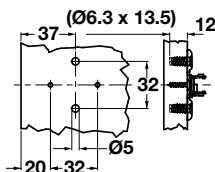


Wing Baseplate

- 4 point fixing
- Height adjustment via worm gear

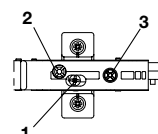
Material: Steel; Finish: nickel-plated

| Height | Wood Screw | Pre-mounted Euro |
|--------|------------|------------------|
| 0 | 348.38.511 | 348.38.521 |
| 2 | 348.38.512 | 348.38.522 |
| 3 | 348.38.513 | 348.38.523 |
| 3.5 | 348.38.514 | 348.38.524 |



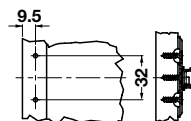
Height adjustment
worm gear ± 2 mm
elongated holes ± 2.5 mm

Side adjustment
 ± 2 mm



Depth adjustment
 $\pm 3/-2$ mm

All adjustment
options can be
made independently
of one another

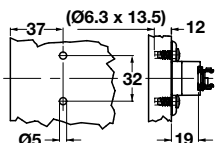


Wing Baseplate

- 2 point fixing
- Pre-mounted Euro screws
- Height adjustment via worm gear

Material: Steel, zinc; Finish: nickel-plated

| Height | Item No. |
|--------|------------|
| 9.5 | 348.39.505 |
| 19 | 348.39.508 |



worm gear

elongated holes



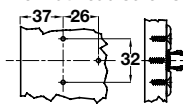
Face Frame Adapter Baseplate

- 2 point fixing
- Height adjustment via worm gear or elongated holes

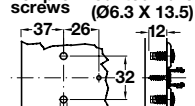
Material: Steel; Finish: nickel-plated

| Height | Worm Gear | Elongated Holes |
|--------|------------|-----------------|
| 1.5 | 348.38.571 | 348.38.641 |
| 3.5 | 348.38.573 | 348.38.643 |
| 4.5 | 348.38.574 | 348.38.644 |
| 5 | 348.38.575 | 348.38.645 |

For flat head screws



For pre-mounted Euro screws

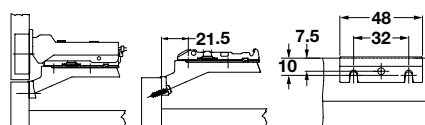


Wing Baseplate

- 3 point fixing
- Height adjustment via elongated holes

Material: Steel; Finish: nickel-plated

| Height | Wood Screw | Pre-mounted Euro |
|--------|------------|------------------|
| 0 | 348.38.612 | 348.38.551 |
| 2 | 348.38.613 | 348.38.552 |
| 3 | 348.38.583 | 348.38.553 |
| 3.5 | 348.38.584 | 348.38.554 |



Face Frame Adapter Baseplate

- 3 point fixing
- Height adjustment via worm gear

Material: Steel; Finish: nickel-plated

| Height | Item No. |
|--------|------------|
| 0 | 348.38.660 |

Note

Requires a 9.5 mm crank hinge (half-overlay)

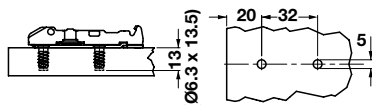


Straight Baseplate

- 2 point fixing
- Pre-mounted Euro screws
- Height adjustment via worm gear

Material: Steel; Finish: nickel-plated

| Reinforcement | Item No. |
|---------------|------------|
| 0 | 348.38.630 |
| 2 | 348.38.632 |
| 3 | 348.38.633 |



for hinge arm



for hinge cup



Cover Caps

Material: Steel; Finish: nickel-plated

| Version | Item No. |
|---------------|------------|
| for hinge arm | 348.40.000 |
| for hinge cup | 348.40.001 |

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:

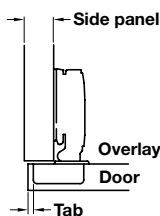
Hinge type *minus* mounting plate type *plus* tab = overlay

Sample Calculations

Hinge type 14

Side panel mounting for overlay doors.

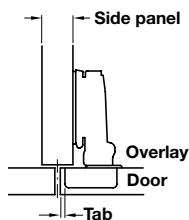
(A) Full Overlay



Hinge type 4

Center panel/twin mounting for overlay doors.

(B) Half Overlay

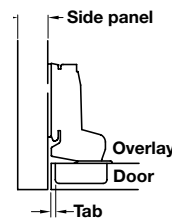


(for twin mounting)

Hinge type -4

Side panel mounting for inset doors.

(C) Inset



| 16 mm (5/8") | Hinge | Mounting | Tab | Total |
|------------------|-------|----------|-----|-----------------|
| Material | Type | Plate | | 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") | Hinge | Mounting | Tab | Total |
|------------------|-------|----------|-----|-----------------|
| Material | Type | Plate | | Overlay |
| Full overlay (A) | 14 | - 0 | + 6 | = 18 |
| Half overlay (B) | 4 | - 0 | + 6 | = 10 |
| Inset (C) | -4 | - 4 | + 6 | = -2 (2 mm gap) |

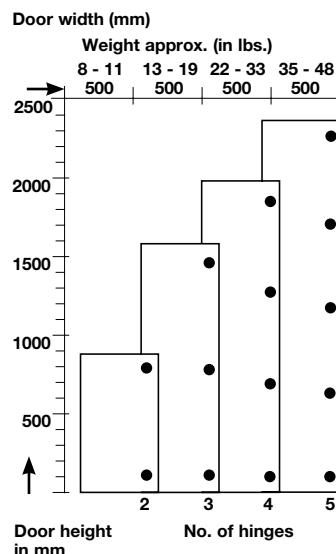
If there is no mounting plate with the required reinforcement, then the tab or side adjustment must be altered. The hinge arm can be adjusted to decrease the overlay up to 4 mm or to increase the overlay 1 mm.

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How many hinges per door?

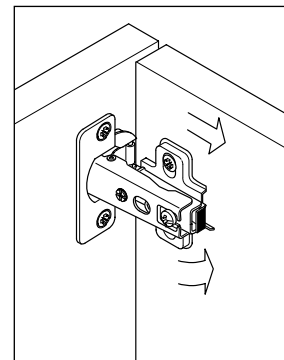
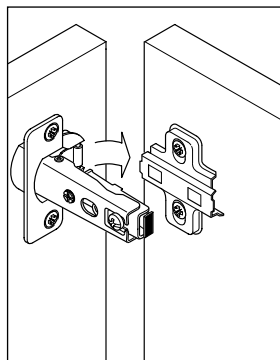
There is no hard and fast rule which applies. When determining the number of hinges needed, the main factors to consider are door size and weight. A trial mounting is advisable in case of any doubt, such as with doors supporting mirrors, or unusually wide doors. Avoid disproportionate door width/weight 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

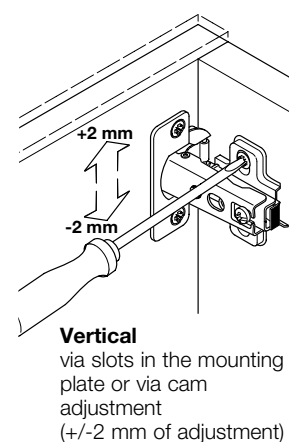
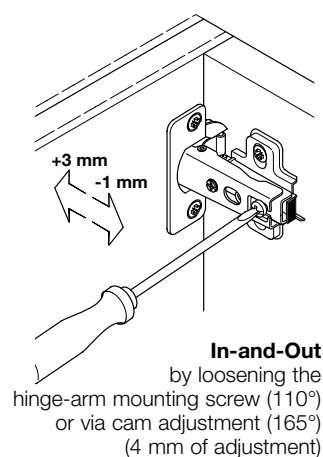
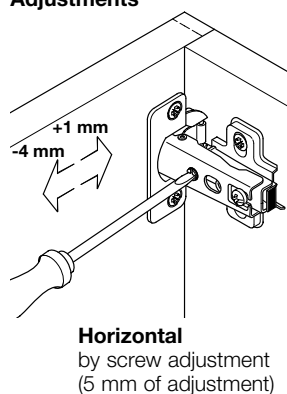


Clip-on Hinge

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



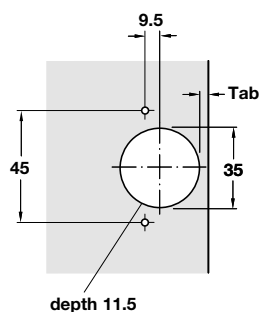
Adjustments



Clip-on

- Door thickness 14 - 20 mm (9/16" - 13/16")
- Side panel thickness from 16 mm (5/8")
- Self-closing and soft-closing
- Tab: 3 - 7 mm

Opening angle: **110°**

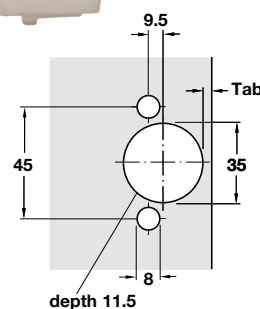
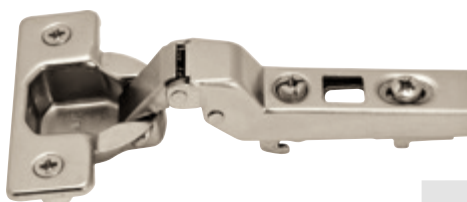


Clip Hinge

- Screw-mounted

Material: Steel; Finish: nickel-plated

| Mounting | Hinge arm | Hinge type | Self-Close | Soft-Close |
|----------------|-----------|------------|------------|------------|
| Full overlay | | 14 | 315.03.500 | 315.00.703 |
| Half overlay | | 4 | 315.03.501 | 315.00.704 |
| Inset mounting | | -4 | 315.03.502 | 315.00.705 |



Clip Hinge

- Press-fit, 45/9.5 hole pattern

Material: Steel; Finish: nickel-plated

| Mounting | Hinge arm | Hinge type | Self-Close | Soft-Close |
|----------------|-----------|------------|------------|------------|
| Full overlay | | 14 | 315.03.510 | 315.00.713 |
| Half overlay | | 4 | 315.03.511 | 315.00.714 |
| Inset mounting | | -4 | 315.03.512 | 315.00.715 |

9

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 |

Dimensions in mm
Inches are approximate

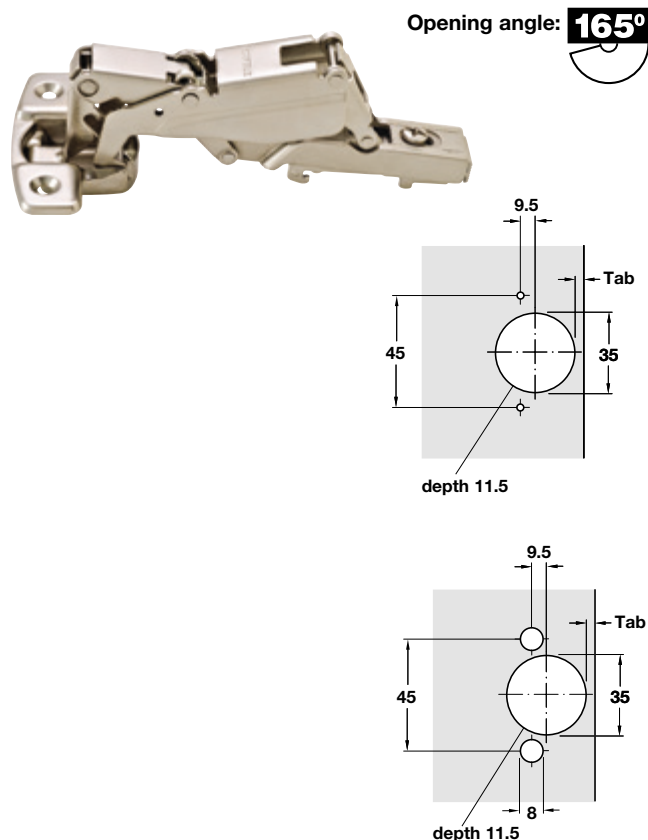
FC **9.58**

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Dimensional data not binding. We reserve the right to alter specifications without notice.

Clip-on

- Side panel thickness from 16 mm (5/8")
- Self-close and soft-close with oil damper in arm



Wide Angle Hinge

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

Material: Steel; Finish: nickel-plated

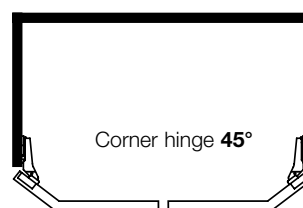
| Mounting | Hinge arm | Hinge type | Self-Close | Soft-Close |
|----------------|-----------|------------|------------|------------|
| Full overlay | | 14 | 315.02.500 | 315.02.700 |
| Half overlay | | 4 | 315.04.501 | 315.02.701 |
| Inset mounting | | -4 | 315.04.502 | 315.02.702 |

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

Material: Steel; Finish: nickel-plated

| Mounting | Hinge arm | Hinge type | Item No. |
|--------------|-----------|------------|------------|
| Full overlay | | 14 | 315.04.510 |
| Half overlay | | 4 | 315.04.511 |

Sample installations



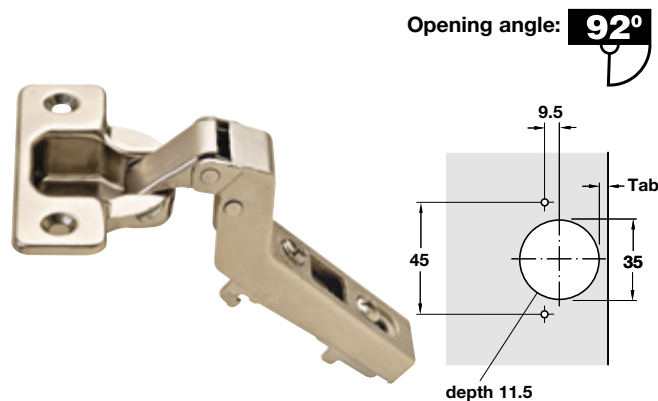
9

45° Corner Hinge

- Screw-mount
- Door thickness 14 to 20 mm (9/16"-13/16")
- Tab: 4 – 7 mm

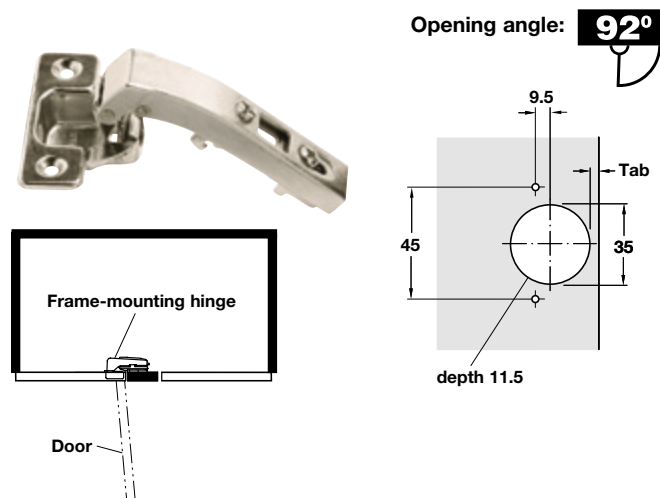
Material: Steel; Finish: nickel-plated

| Mounting | Hinge Arm | Self-Close | Soft-Close |
|----------|-----------|------------|------------|
| Overlay | 45° angle | 315.05.511 | 315.01.711 |



Blind Corner Hinge

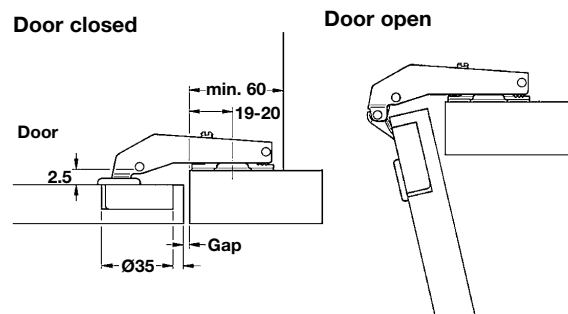
- Door thickness 16 to 20 mm (5/8"-13/16")
- Self-close or soft close with oil damper in arm
- Tab: 4 – 5 mm



- Screw-mounted
- Inset mounting

Material: Steel; Finish: nickel-plated

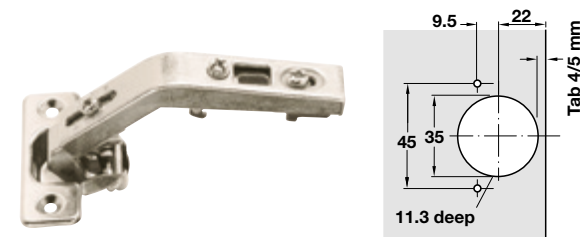
| Closing | Item No. |
|------------|------------|
| self-close | 315.05.540 |
| soft-close | 315.01.740 |



Pie-cut Corner Hinge

- Cup diameter 35 mm; Depth: 11.3 mm
- Opening angle of first door 60°
- Self-closing
- Tab: 4 – 5 mm

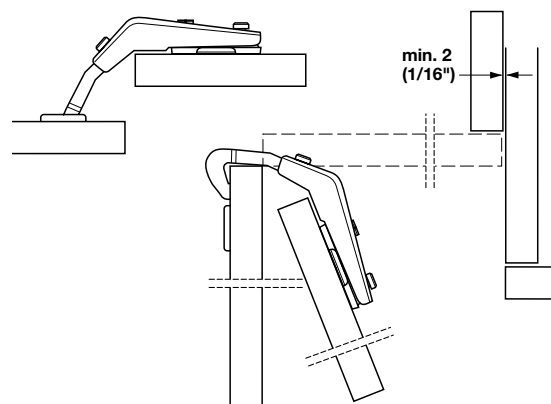
Opening angle: **60°**



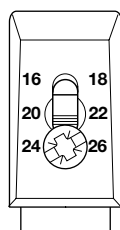
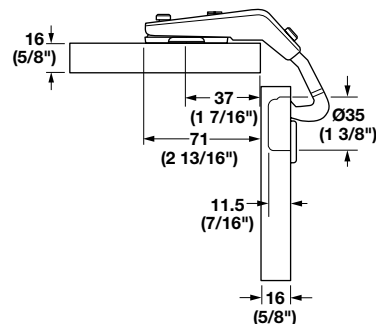
- Screw-mounted

Material: Zinc, die-cast

| Finish | Item No. |
|---------------|------------|
| nickel-plated | 311.66.511 |



9



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 with 16 mm thick doors. With thicker doors the amount of space required is reduced.

Mounting Plate

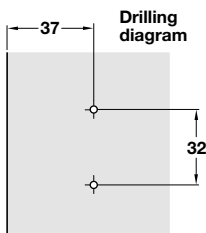
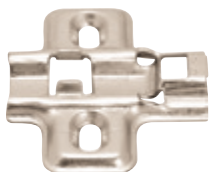
- Door thickness: 19 mm
- With vertical cam adjustment; wood screw mounted

Material: Steel

| Height | Item No. |
|--------|------------|
| 0 | 311.72.560 |

Mounting Plates

- Can only be used with Clip-on Hinges

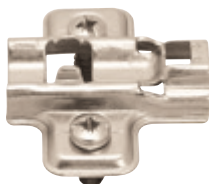


Flanged

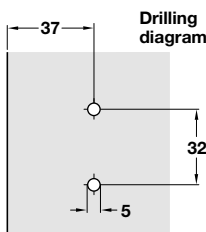
- One piece, screw-mounted
- Edge spacing 37 mm
- With vertical adjustment (via slots)

Material: Steel; Finish: nickel-plated

| Height | Item No. |
|--------|------------|
| 0 | 315.98.520 |
| 2 | 315.98.522 |
| 4 | 315.98.524 |



SYSTEM
VARIANTA 32

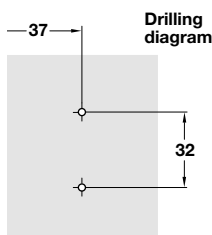
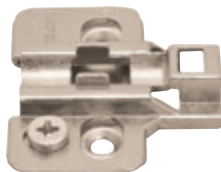


Flanged

- One piece, screw-mounted in series drilled holes
- With pre-installed euro mounting screws
- 10 mm length for single-side mounting
- Edge spacing 37 mm
- With vertical adjustment (via slots)

Material: Steel; Finish: nickel-plated

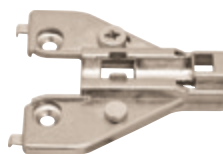
| Height | Item No. |
|--------|------------|
| 0 | 315.98.530 |
| 2 | 315.98.532 |
| 4 | 315.98.534 |



- With vertical cam adjustment

Material: Steel; Finish: nickel-plated

| Height | Item No. |
|--------|------------|
| 0 | 315.98.500 |
| 2 | 315.98.502 |
| 4 | 315.98.504 |

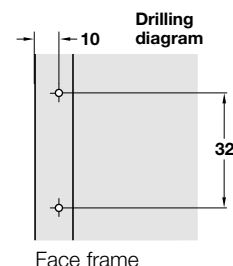


Face Frame

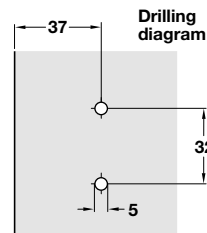
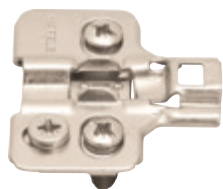
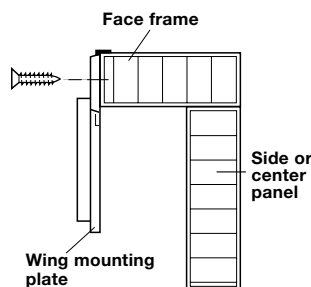
- Screw-mounted
- Vertical cam adjustment

Material: Steel; Finish: nickel-plated

| Mounting | Height | Item No. |
|--------------|--------|------------|
| 5/8" overlay | 0 | 315.99.500 |
| 1/2" overlay | 3 | 315.99.503 |



Face frame



- With pre-installed euro mounting screws
- 10 mm length for single-side mounting
- With vertical cam adjustment

Material: Steel; Finish: nickel-plated

| Height | Item No. |
|--------|------------|
| 0 | 315.98.510 |
| 2 | 315.98.512 |
| 4 | 315.98.514 |

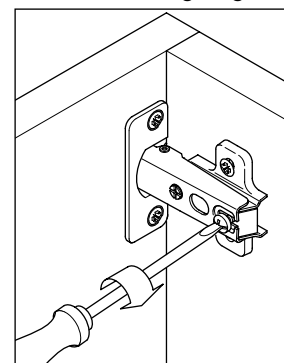
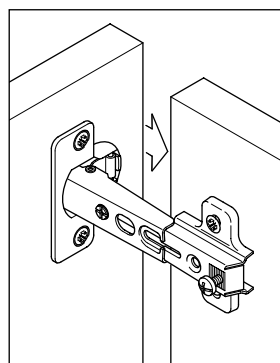
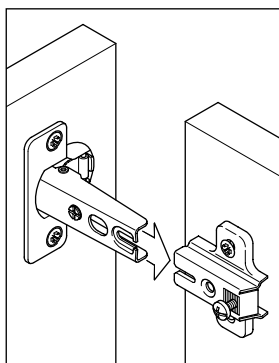
- 8 mm length screws for shared panels

| Height | Item No. |
|--------|------------|
| 0 | 315.98.580 |

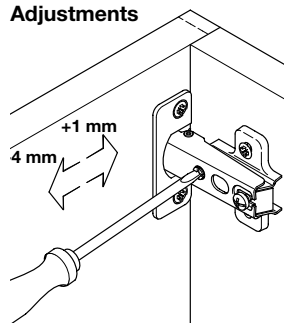
A-Series Slide-on

- All-metal
- Durable pivot bearing
- Steel moving parts
- Cup designed for automated insertion
- Self-closing
- Three-way adjustable

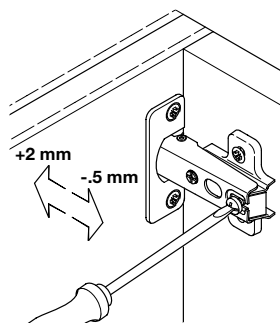
Slide-on mounting diagram



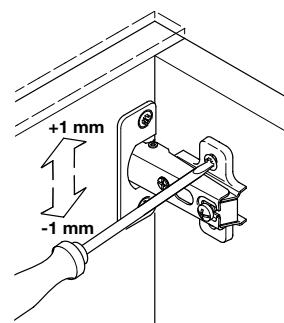
Adjustments



Horizontal
by screw adjustment
(5 mm of adjustment)

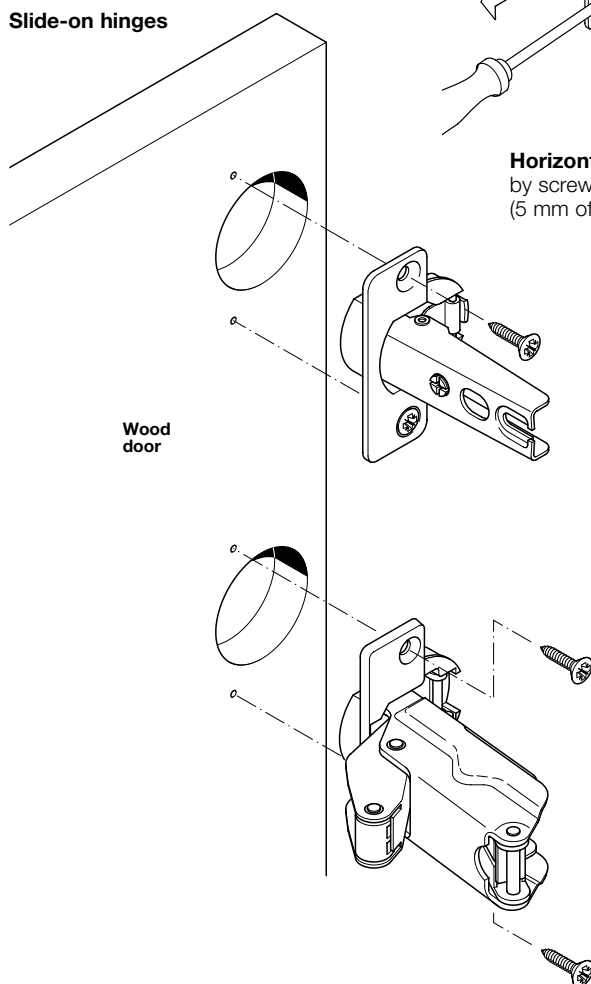


In-and-Out
by loosening the
hinge-arm mounting screw
(2.5 mm of adjustment)



Vertical
via slots in the mounting
plate
(2 mm of adjustment)

Slide-on hinges



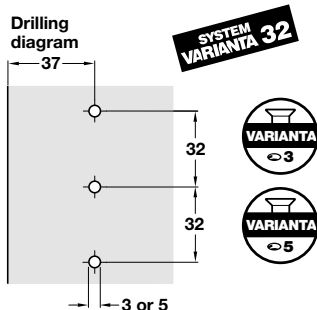
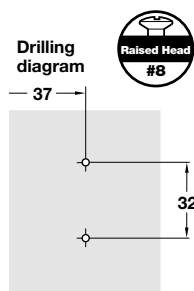
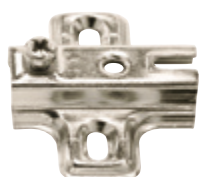
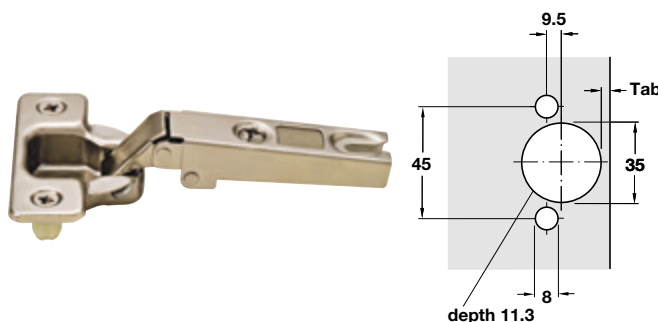
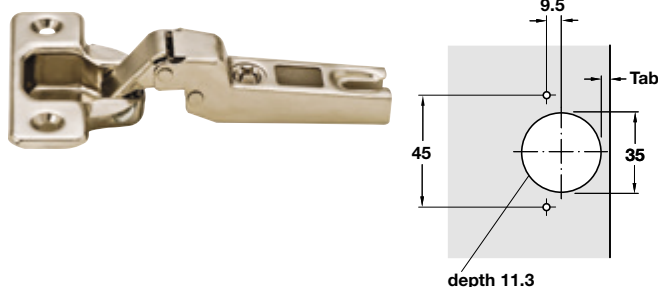
Wood
door

Side
panel

Dimensions in mm
Inches are approximate

A-Series

- Door thickness 14 to 26 mm (9/16"-1")
- Side panel thickness from 16 mm (5/8")
- Self-closing
- Tab: 3 – 7 mm



Opening angle: **110°**



Slide-On

- Screw-mounted

Material: Steel; Finish: nickel-plated

| Mounting | Hinge arm | Hinge type | Item No. |
|----------------|-----------|-------------|---------------|
| Full overlay | | straight | 13 311.90.520 |
| Half overlay | | 8 mm crank | 5 311.90.521 |
| Inset mounting | | 17 mm crank | -4 311.90.522 |

Slide-On

- Press-fit, 45/9.5 hole pattern

Material: Steel; Finish: nickel-plated

| Mounting | Hinge arm | Hinge type | Item No. |
|----------------|-----------|-------------|---------------|
| Full overlay | | straight | 13 311.90.560 |
| Inset mounting | | 17 mm crank | -4 311.90.562 |

Trim Caps

- For hinge arm
- With Häfele logo

Material: Steel

| Finish | Item No. |
|---------------|------------|
| nickel-plated | 311.65.700 |

Flanged Mounting Plates

- In one-piece, screw-mounted
 - Pre-installed hinge-arm retaining screw
 - With vertical adjustment (via slots)
- Edge spacing 37 mm

Material: Steel; Finish: nickel-plated matt

| Reinforcement | VP type | Item No. |
|---------------|---------|------------|
| -2 | -2 | 311.98.505 |
| 0 | 0 | 311.98.500 |
| 2 | 2 | 311.98.502 |
| 4 | 4 | 311.98.504 |

Flanged Mounting Plates

- In one-piece, screw-mounted in series-drilled holes
 - Pre-installed hinge-arm retaining screw
 - Pre-installed mounting screws
 - With vertical adjustment (via slots)
- Edge spacing 37 mm

Material: Steel; Finish: nickel-plated matt

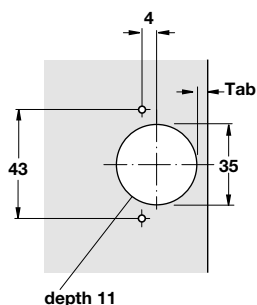
| Reinforcement | VP type | Item No. |
|---------------|---------|------------|
| -2 | -2 | 311.98.515 |
| 0 | 0 | 311.98.510 |
| 2 | 2 | 311.98.512 |
| 4 | 4 | 311.98.514 |

Dimensions in mm
Inches are approximate

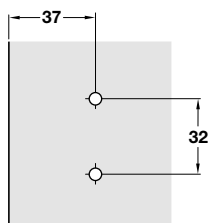
S-Series

- Pivot pin for hinge arm is steel, sealed against corrosion
- S-Series hinges will only work with S-Series mounting plates
- Door thickness 15 to 20 mm (9/16" - 13/16")
- Side panel thickness from 16 mm (5/8")
- Tab: 3 - 5 mm

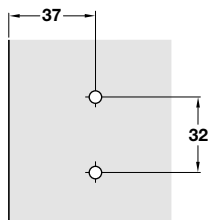
Opening angle: **100°**



Hole Pattern



Hole Pattern



Stainless Steel Hinge

- Screw mount
- Self-closing

Material: 304 Stainless Steel, polished

| Mounting | Hinge arm | Hinge type | Item No. |
|--------------|-----------|------------|----------|
| Full overlay | | straight | 16 |
| Half overlay | | 9 mm crank | 6 |

Supplied With

Stainless Steel screws

Mounting Plate, flanged

- Screw-mount

Material: 304 Stainless Steel, polished

| Reinforcement | Hinge type | Item No. |
|---------------|------------|------------|
| 2 | 2 | 327.30.000 |

Supplied With

Stainless Steel screws

Mounting Plate, flanged

- Screw-mount, with vertical adjustment

Material: 304 Stainless Steel, polished

| Reinforcement | Hinge type | Item No. |
|---------------|------------|------------|
| 2 | 2 | 327.30.030 |

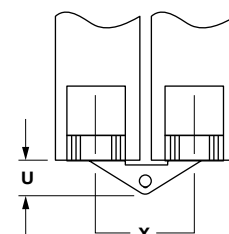
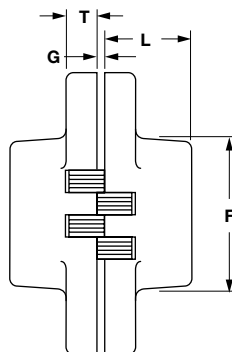
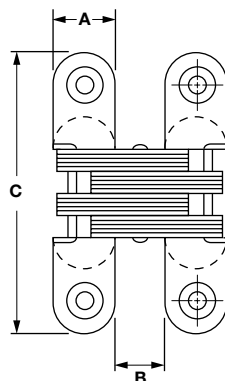
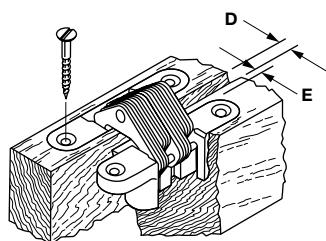
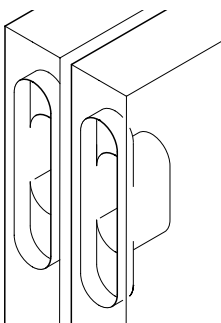
Supplied With

Stainless Steel screws

Opening angle: **180°**



Hole pattern



Soss Invisible Hinges

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

| Finish | Item No. | | | | | | | |
|----------------|--------------------------|----------------------|----------------------|------------------------|----------------------------|----------------------------|------------------------|---------------|
| satin brass | 341.07.518 | 341.07.527 | 341.07.536 | 341.07.545 | 341.07.554 | 341.07.563 | 341.07.572 | 341.07.581 |
| satin 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"-11/16") | 19 - 25 (3/4"-1") | 19 - 25 (3/4"-1") | 26 - 28 (1"-1 1/8") | 29 - 31 (1 1/8"-1 1/4") | 35 - 44 (1 3/8"-1 3/4") | 45 - 50 (1 3/4"-2") | 51 + (2"+) |
| 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 |

Supplied With
Mounting screws

Soss Wood Router Guide

L x W x H: 12" x 3" x 5/8"

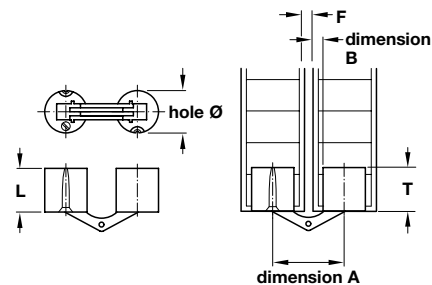
| Guide | #101 | #203 | #204 | #208 | #212 | #216 | #218 | #220 |
|----------|------------|------------|------------|------------|------------|------------|------------|------------|
| Bit Size | 1/4" | 3/8" | 3/8" | 3/8" | 3/8" | 1/2" | 1/2" | 1/2" |
| Item No. | 002.13.810 | 002.13.811 | 002.13.812 | 002.13.813 | 002.13.814 | 002.13.815 | 002.13.816 | 002.13.817 |

Dimensional data not binding. We reserve the right to alter specifications without notice.

Dimensions in mm
Inches are approximate



Opening angle: **180°**



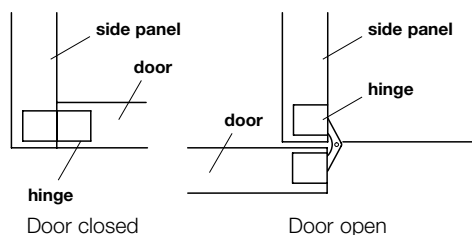
Zysa Hinges

- Can be used left or right
- 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

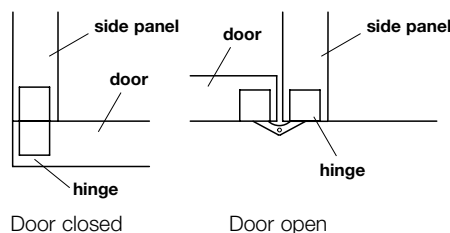
Material: Brass, matt

| Wood thickness | Screw Ø | L | Hole Ø | T | A | B | F | Item No. |
|----------------|---------|------|--------|------|----|-----|-----|------------|
| 17 – 22 | 3 | 13.5 | 12 | 13.5 | 20 | 2.2 | 3.5 | 341.21.520 |
| 20 – 26 | 3.5 | 15.5 | 14 | 15.5 | 23 | 3 | 3 | 341.21.530 |
| 22 – 28 | 3.5 | 16.5 | 16 | 16.5 | 25 | 3 | 3 | 341.21.540 |

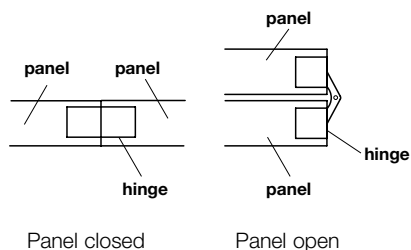
Butting, inset door:



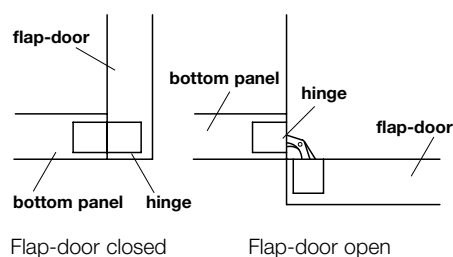
Butting, overlay door:



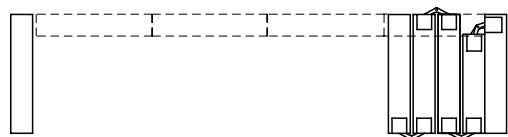
Joining two panels:



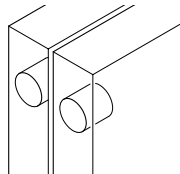
Butting overlay doors:



Typical folding door installation:



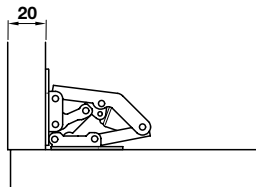
Hole pattern, Zysa hinges



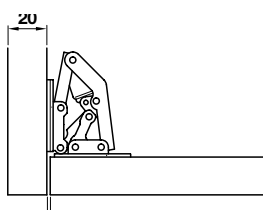
Max. door opening angle: **90°**



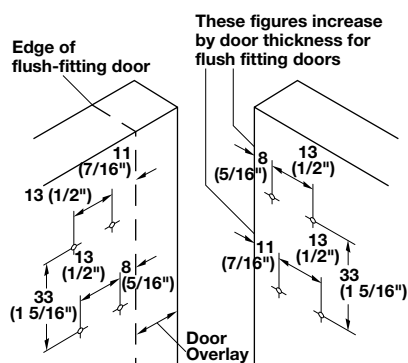
Sample installations



Overlay mounting



Inset mounting



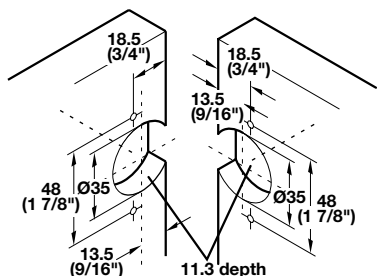
Easy Mount

- Door thickness: 16 - 20 mm (5/8" - 3/4")
- Side panel thickness: 16 - 22 mm (5/8" - 7/8")
- Horizontal adjustment, oblong holes
- Screw-mounted, self-closing

Material: Steel

| Finish | Item No. |
|-------------|------------|
| zinc-plated | 343.33.920 |

Max. opening angle: **78°**



A-Series Pie-cut Corner Hinge

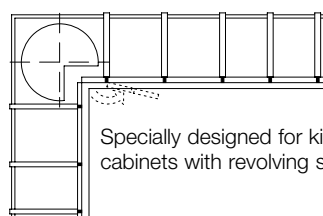
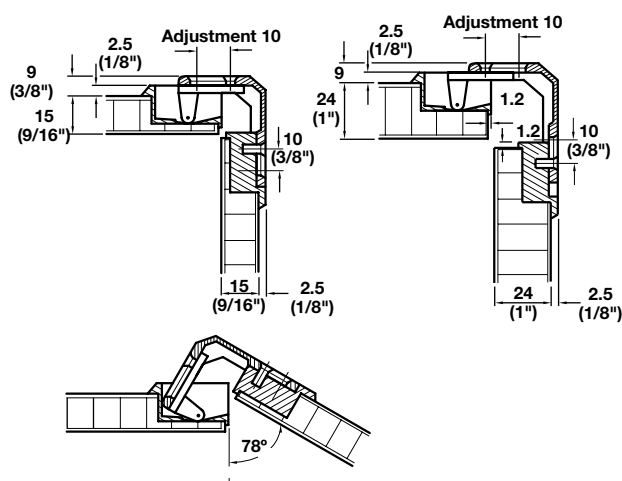
- Screw-mounted
- With two 35 mm cup holes
- Door thickness variable: 15 - 24 mm
- Hole size: 35 mm diameter, depth 11 mm
- Meets all design requirements for three-way adjustability, quick mounting, concealed installation and sturdy construction
- Adjustable to allow a small air circulation gap

Material: Zinc, die-cast

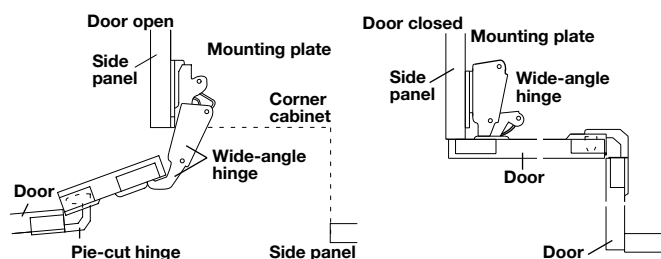
| Finish | Item No. |
|---------------|------------|
| nickel-plated | 343.90.710 |



Dimensional data not binding. We reserve the right to alter specifications without notice.



Specially designed for kitchen corner cabinets with revolving shelves.



Salice

- 2 eccentric cam adjustments
- Vertical adjustment ± 2.5 mm (1/8")
- In and out cam adjustment: -0.5 mm (1/64") $+2.5$ mm (1/8")
- Horizontal cam adjustment: ± 1.5 mm (1/16")



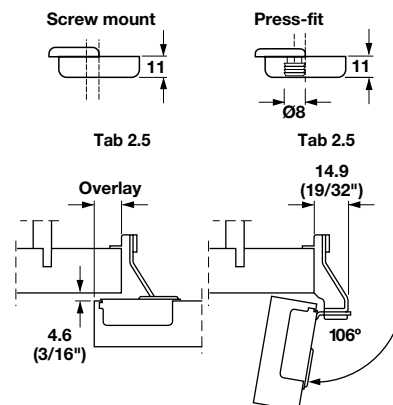
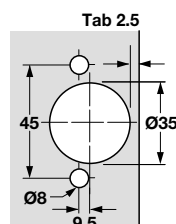
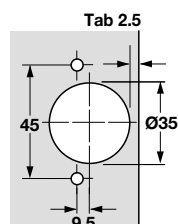
Face Frame

- Without mounting plate
- Attaches directly to Face Frame

Material: Steel; Finish: nickel-plated

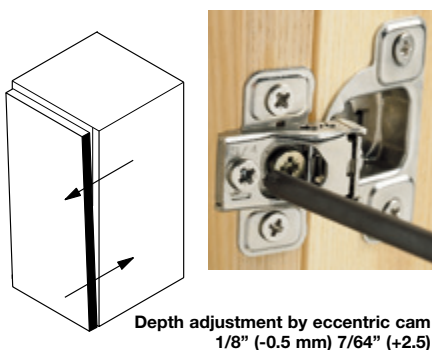
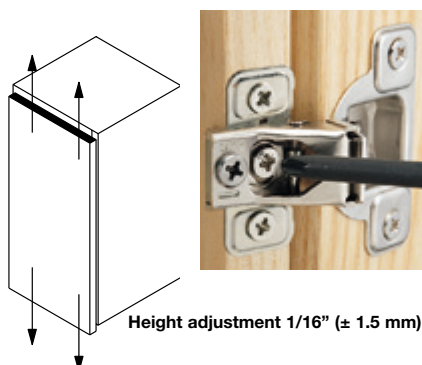


| Overlay | Model | Screw-mount | Model | Press-fit with 8 mm dowels |
|-------------|----------|-------------|----------|----------------------------|
| 6 (1/4") | CSP3Y99 | 343.60.500 | CSR3Y99 | 343.60.510 |
| 10 (3/8") | CSP3999 | 343.60.502 | CSR3999 | 343.60.512 |
| 13 (1/2") | CSP3799 | 343.61.500 | CSR3799 | 343.61.510 |
| 19 (3/4") | CSP3499 | 343.61.503 | CSR3499 | 343.61.513 |
| 32 (1 1/4") | CSP3A99N | 343.88.600 | CSR3A99N | 343.88.610 |

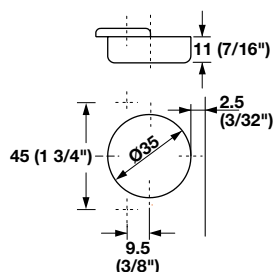


Salice

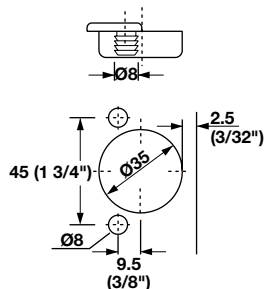
- Stamped steel
- Cup depth 11 mm (7/16")
- Opening angle 106°
- Tab fixed at 2.5 mm (3/32")
- Zero door protrusion
- Self-closing



Opening angle: **106°**

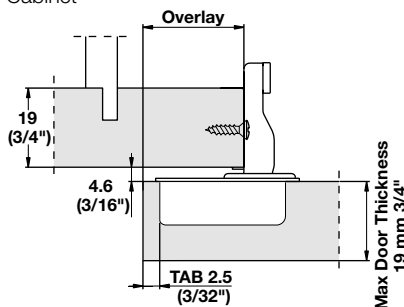
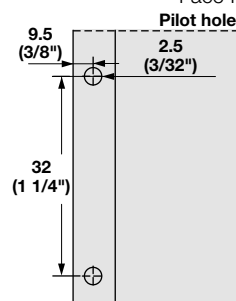


Screw-mount



Dowel-mount

Face Frame Cabinet

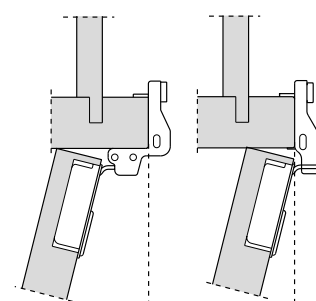


Face Frame

- 3-way adjustment with wing plate

Material: Steel; Finish: nickel-plated

| Overlay | Mounting | Model | Item No. |
|---------|----------|-----------|------------|
| 1/2" | Screw | CSP3799XR | 343.62.500 |
| 1/2" | Dowel | CSR3799XR | 343.62.510 |
| 9/16" | Screw | CSP3699XR | 343.62.501 |
| 9/16" | Dowel | CSR3699XR | 343.62.511 |
| 5/8" | Screw | CSP3599XR | 343.62.502 |
| 5/8" | Dowel | CSR3599XR | 343.62.512 |
| 3/4" | Screw | CSP3499XR | 343.62.503 |
| 3/4" | Dowel | CSR3499XR | 343.62.513 |
| 1" | Screw | CSP3299NR | 343.62.504 |
| 1" | Dowel | CSR3299NR | 343.62.514 |
| 1 1/4" | Screw | CSP3A99NR | 343.62.506 |
| 1 1/4" | Dowel | CSR3A99NR | 343.62.516 |
| 1 5/16" | Screw | CSP3B99NR | 343.62.508 |
| 1 5/16" | Dowel | CSR3B99NR | 343.62.518 |
| 1 3/8" | Screw | CSP3C99NR | 343.62.520 |
| 1 3/8" | Dowel | CSR3C99NR | 343.62.530 |
| 1 7/16" | Screw | CSP3D99NR | 343.62.522 |
| 1 7/16" | Dowel | CSR3D99NR | 343.62.532 |



- Zero door protrusion

Dimensional data not binding. We reserve the right to alter specifications without notice.

Salice Excentra

- Technology that delivers soft closing doors that respond with a smooth steady motion
- Perfect door alignment is simple to achieve with 2 automatic cam adjustments
- Features an 11 mm cup depth to accommodate narrow door profiles
- Increased range of side adjustment insures small, consistent gaps between doors
- The easy to use activation switch allows for closing speed options
- Tab 2.5 mm for 1/2", 2.5 - 4.0 mm for 1 1/4"

Opening angle: **106°**



With Integrated Soft Close

Overlay: 1/2"

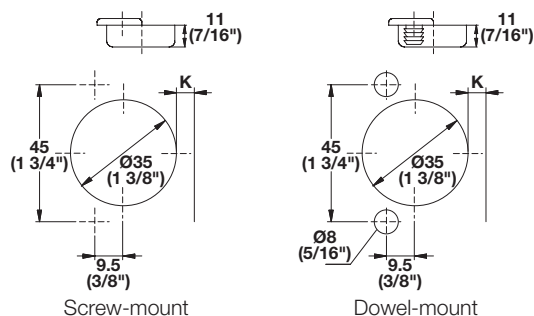
| Finish | Mounting | Model No. | Item No. |
|---------------|-------------|-----------|------------|
| nickel-plated | screw-on | CUP37D9 | 343.61.520 |
| | with dowels | CUR37D9 | 343.61.521 |
| titanium | screw-on | CUP37D6 | 343.61.524 |
| | with dowels | CUR37D6 | 343.61.525 |



With Integrated Soft Close

Overlay: 1-1/4"

| Finish | Mounting | Model No. | Item No. |
|---------------|-------------|-----------|------------|
| nickel-plated | screw-on | CUP3AD9 | 343.61.522 |
| | with dowels | CUR3AD9 | 343.61.523 |
| titanium | screw-on | CUP3AD6 | 343.61.526 |
| | with dowels | CUR3AD6 | 343.61.527 |



Possible "K" = 2.5 mm – 4.0 mm
*K of 4 mm for 1-1/4" overlay only

Silentia With Motion Control Switch

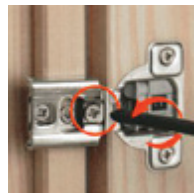


Set dampening effect to "OFF" by sliding the switch to **O**



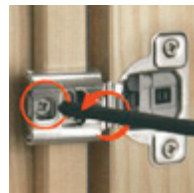
Set dampening effect to "ON" by sliding the switch to **I**

Adjustment



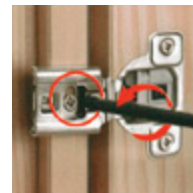
Cam Depth

- 1/64" (- 0.5 mm)
+ 3/32" (+ 2.5 mm)



Cam Side

CU_37D9 - 1/16"
(- 1.8 mm) +
3/32" (+ 2.5 mm)
CU_3AD9 - 3/32"
(- 2.0 mm) +
1/8" (+ 3.0 mm)



Height

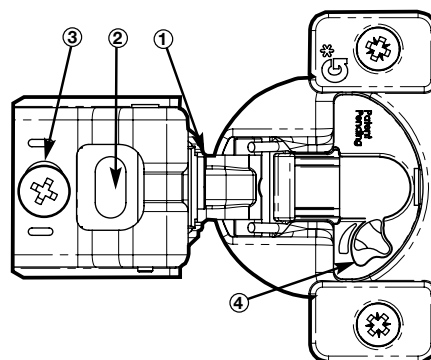
+ 3 mm (+ 1/8")
- 3 mm (- 1/8")

Grass TEC Face Frame – Soft Close

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

soft&silent)))

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 – Soft Close

- Soft close mechanism is pre-mounted in the hinge cup
- Adjustment switch to regulate closing action
- One-piece hinge and base plate
- 3-dimensional adjustment
- Cam side and depth adjustment
- Front locating tabs position hinge on face frame
- Cup drilling depth: 10.7 mm (7/16")
- Overlay: 6 – 25 mm (1/4" – 1")

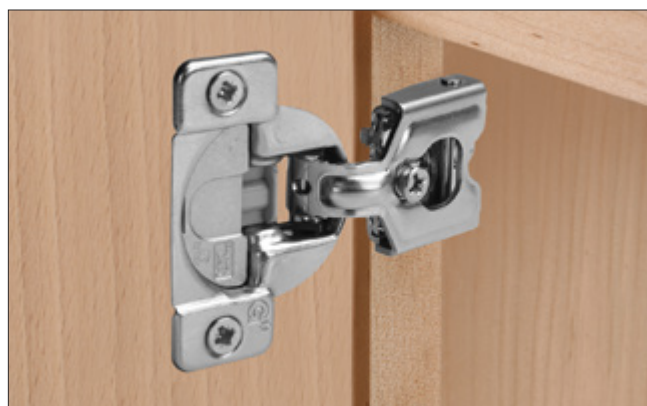
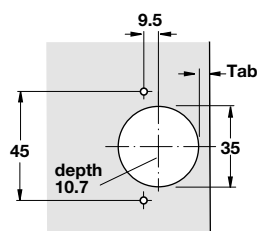


soft&silent)))

Opening angle: **108°**



Screw mount



Side Mount

- Dowel mount

| Overlay | Door Clearance | Arm Clearance | Item No. |
|-------------|----------------|---------------|------------|
| 12.7 (1/2") | 3.5 (1/8") | 11 (7/16") | 348.90.000 |

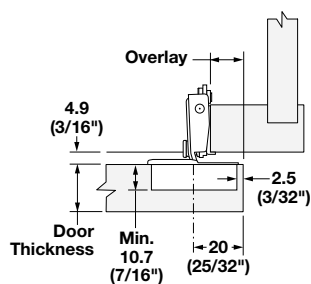
Wrap Around

| Overlay | Door Clearance | Arm Clearance | Dowel | Screw |
|-------------|----------------|---------------|------------|------------|
| 6 (1/4") | 11 (7/6") | 14.5 (9/16") | 348.90.020 | 348.90.010 |
| 11 (7/16") | 5.1 (13/64") | 11 (7/16") | 348.90.021 | 348.90.011 |
| 12.7 (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 |
| 25 (1") | 0 | 11 (7/16") | 348.90.024 | 348.90.014 |

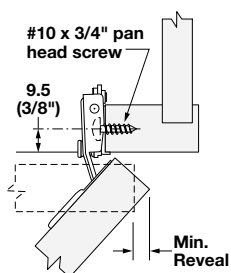
Note

Flat head screw is for hinge cup; Pan head screw is for base plate.

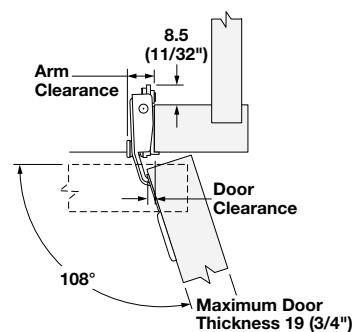
Door closed



Minimum reveal



Door open - clearance



| 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") |

Grass TEC Face Frame – Soft Close

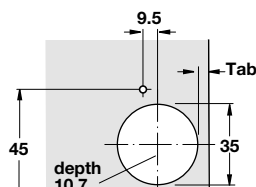
- Soft close mechanism is pre-mounted in the hinge cup
- Adjustment switch to regulate closing action
- One-piece hinge and base plate
- 3-dimensional adjustment
- Cam side and depth adjustment
- Front locating tabs position hinge on face frame
- Cup drilling depth: 10.7 mm (7/16")
- Overlay: 32 – 38 mm (1 1/4" – 1 1/2")

soft&silent)))

Opening angle: **108°**



Screw mount



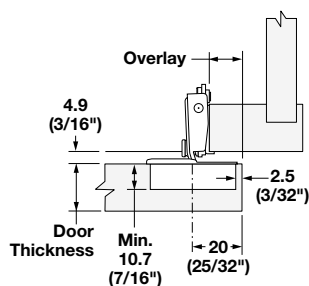
Wrap Around

| Overlay | Door Clearance | Arm Clearance | Dowel | Screw |
|-------------|----------------|---------------|------------|------------|
| 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 |

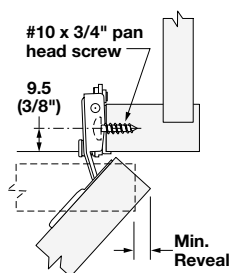
Note

Flat head screw is for hinge cup; Pan head screw is for base plate.

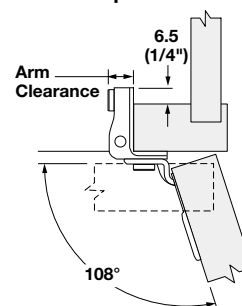
Door closed



Minimum reveal

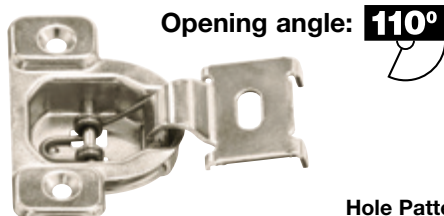


Door open - clearance

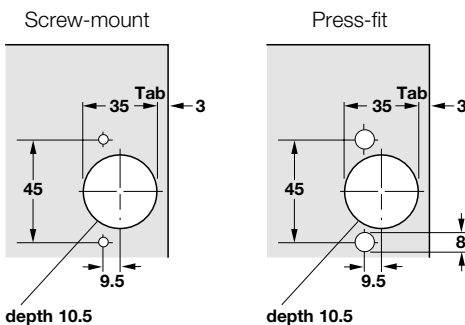


| Door Thickness | Minimum Reveal |
|----------------|----------------|
| 16 (5/8") | 4.2 (5/32") |
| 17.5 (11/16") | 5.4 (7/32") |
| 19 (3/4") | 6.7 (1/4") |

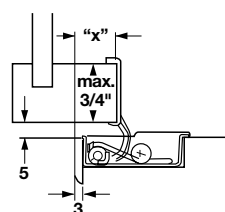
A-Series Face Frame



Hole Pattern



Door overlay: "x"

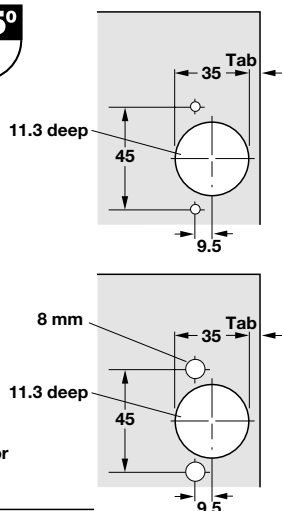
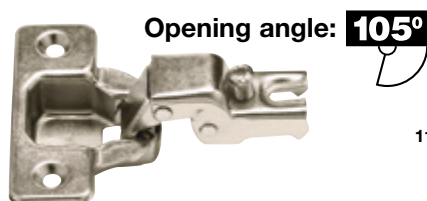


Self-closing

- Door thickness 14 to 26 mm (9/16"-1")
- Cup depth: 10.5 mm
- Self-closing
- Tab fixed at 3 mm

Material: Steel; Finish: nickel-plated

| Mounting | Door overlay (x) | Item No. |
|-------------|------------------|------------|
| screw-mount | 1/2" | 311.95.501 |
| press-fit | 1/2" | 311.95.561 |



Screw-mount, Self-closing

- Door thickness 14 to 26 mm (9/16"-1")
- Tab: 3 - 6 mm
- Corresponding mounting plates sold separately (see below)

Material: Steel; Finish: nickel-plated

| Mounting | Hinge arm | Item No. |
|--------------|-----------|------------|
| half overlay | | 311.94.500 |

Press-fit, 45/9.5 hole pattern, Self-closing

Material: Steel; Finish: nickel-plated

| Mounting | Hinge arm | Item No. |
|--------------|-----------|------------|
| half overlay | | 311.94.560 |

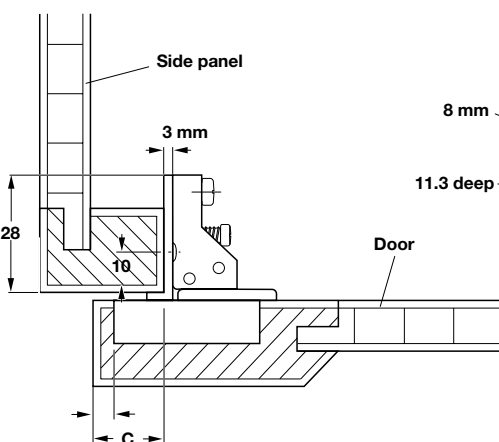


Wing Mounting Plate

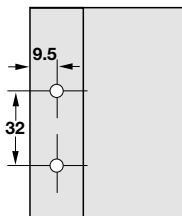
- Screw-mounted
- With pre-installed hinge arm mounting screw

Material: Steel; Finish: nickel-plated

| Type | Item No. |
|------|------------|
| 0 | 311.98.580 |



C = approximately 1/2" overlay, depending on Tab.



1/2" Door Overlay



Opening angle: **105°**



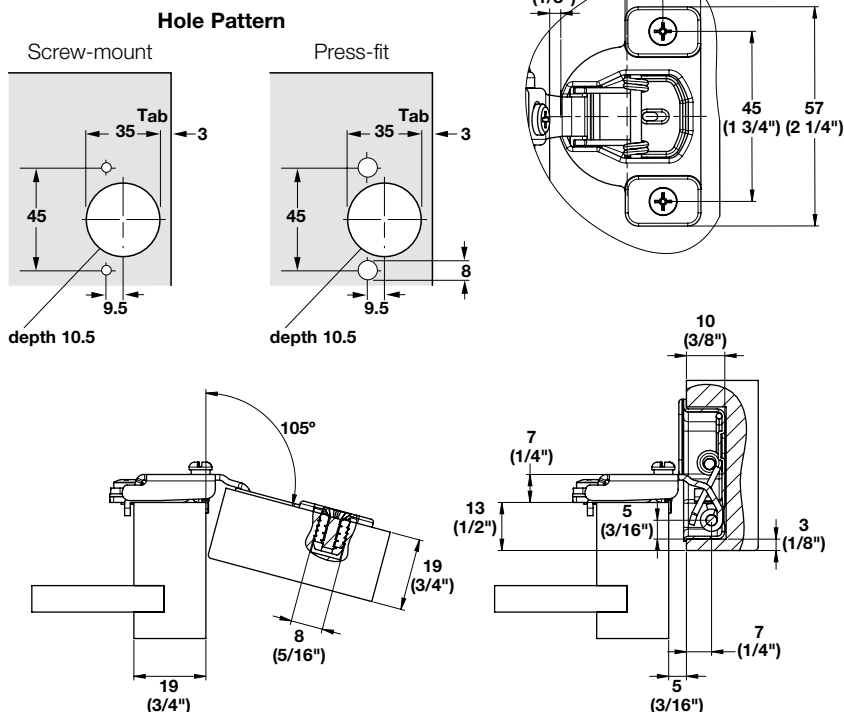
Face Frame

- With 3-way adjustment
- Maximum door thickness: 19 mm (3/4")
- Drilling depth: 10.5 mm
- Tab fixed at 3 mm
- Self-closing

Material: Steel; Finish: nickel-plated

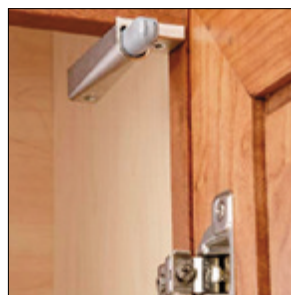
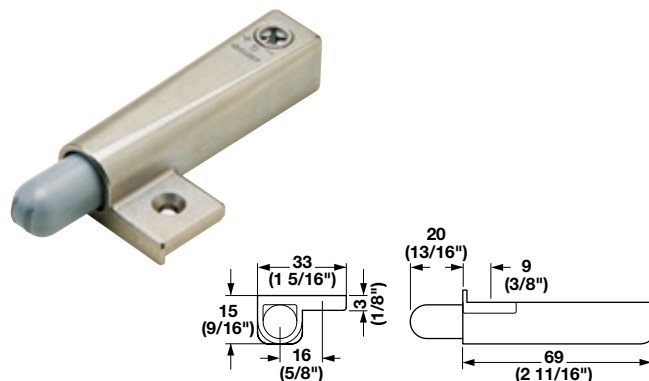
| Mounting | Door overlay | Item No. |
|----------|--------------|------------|
| screw | 1/2" | 343.40.510 |
| dowel | 1/2" | 343.40.550 |
| screw | 1 1/4" | 343.40.511 |
| dowel | 1 1/4" | 343.40.560 |

1 1/4" Door Overlay



Salice

- Soft tip prevents door marring
- Adjustable piston accommodates various door sizes and overlays
- Easily mounted with one #6 x 5/8" screw
- Integrated locating tab provides consistent spacing and quick mounting
- Only one Smove required for most doors



Left mounting:
Hinge side of door



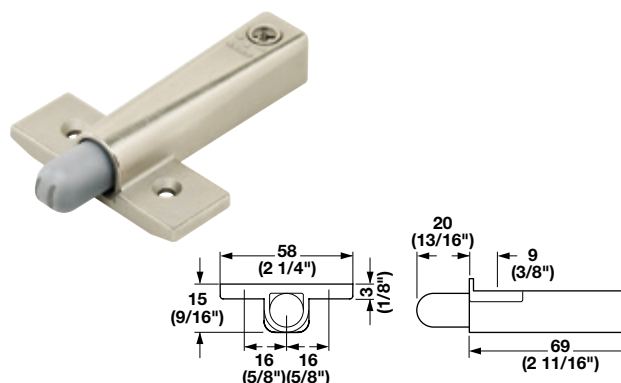
Right mounting:
Hinge side of door

Super SMOVE

- For use with compact face frame hinges
- For overlays of 3/4" or less, position the Smove horizontally; for overlays of 1" or more, position the Smove vertically
- For standard doors with 2–3 hinges

Material: Zinc and Plastic

| Mounting | Model | Item No. |
|------------|--------|------------|
| right side | DOUROG | 356.33.550 |
| left side | DOULOG | 356.33.551 |



Super SMOVE

- For use on frameless or face frame applications
- Unhanded

Material: Zinc and Plastic

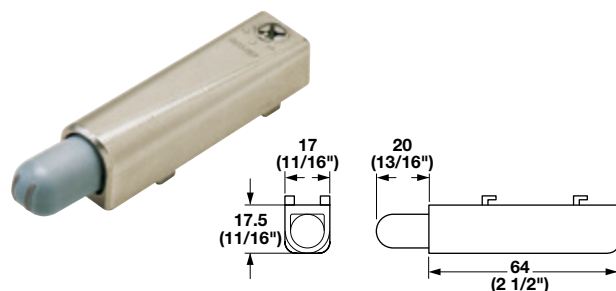
| Door Type | Model | Item No. |
|-----------------------|---------|------------|
| standard (2–3 hinges) | DOLHSNG | 329.45.510 |
| heavy (3–4 hinges) | DOL8SNG | 329.45.511 |

Note

Heavy doors such as pantry doors.

Salice

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

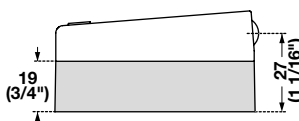


Mounting Plate Adapter for Smoveholder

- For 1/2" overlay hinges
- With steel mounting plate

Material: Zinc, die-cast

| | Model | Item No. |
|--|--------|------------|
| | D2VX59 | 329.45.912 |



Mounting Plate Adapter for Smoveholder

- For half overlay hinges
- With steel mounting plate

Material: Zinc, die-cast

| | Model | Item No. |
|--|--------|------------|
| | D2VX99 | 329.45.914 |



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



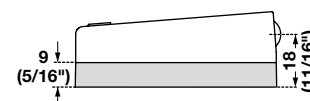
Rotate the screw toward the plus sign to decrease closing speed, or to the minus sign to increase closing speed

Smoveholder with integrated SMOVE

- For doors with 2 hinges
- Soft tip prevents door marring
- Adjustable piston and four adapter thicknesses accommodate various door sizes and overlays
- Only one Smove required for most doors
- Use with most euro-style mounting plates with wings: installation requires 5 mm or #8 x 5/8" screws
- Quick and simple installation and adjustment
- Easy to retrofit

Material: Zinc, die-cast; Piston: Plastic

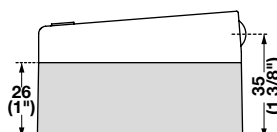
| | Model | Item No. |
|--|---------|------------|
| | DOS8SNG | 329.45.501 |



Mounting Plate Adapter for Smoveholder

Material: Zinc, die-cast

| | Model | Item No. |
|--------------------|--------|------------|
| For mounting plate | | |
| steel | D2VX09 | 329.45.910 |
| die-cast | DARX09 | 329.45.911 |



Mounting Plate Adapter for Smoveholder

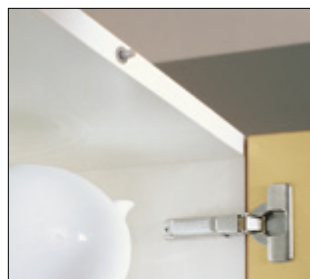
- For inset hinges
- With steel mounting plate

Material: Zinc, die-cast

| | Model | Item No. |
|--|--------|------------|
| | D2VXP9 | 329.45.916 |

Salice

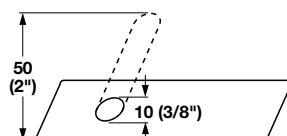
- Quiet door/drawer closure
- As the door/drawer opens, pressure is then released allowing the adapter to move forward to receive the door/drawer again
- Use with hinges on pages **9.16–9.21, 9.27–9.37**
- For doors over 1600 mm (63") it is suggested to use two SMOVE, one to be inserted into the upper part and the second into the lower part of the cabinet side opposite the hinges



For recess mounting



For surface mounting



SMOVE

- Light resistance
- With pre-attached grommet
- Mount into the cabinet side opposite the hinges
- For optimal performance, we suggest mounting in the center of the side panel
- To be used for doors from 450 mm (17 23/32") to 600 mm (23 5/8")

Material: Plastic

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

SMOVE

- Medium resistance
- With pre-attached grommet
- Mount approximately into the center of the top or the base panel of the cabinet
- It is suggested to use the test block to verify the optimum positioning of this SMOVE before assembly

Material: Plastic

| Color | Model | Item No. |
|-------------|---------|------------|
| beige | D006SNB | 356.11.410 |
| light brown | D006SNQ | 356.11.110 |

SMOVE

- Heavy resistance
- With pre-attached grommet
- Mount into the top or the base panel of the cabinet on the hinged side
- A drilling distance of 27 mm (1 1/16") from the cabinet side is suggested

Material: Plastic

| Color | Model | Item No. |
|-------------|---------|------------|
| beige | D008SNB | 356.11.420 |
| light brown | D008SNQ | 356.11.120 |

10 mm twist drill bit HSS

Material: Steel

| Item No. |
|------------|
| 001.41.293 |

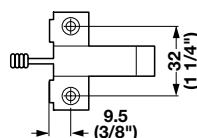
Order Supplied With
10 pcs.

Salice

- Adapters allow surface mounting, making on-site installation easy
- Order appropriate SMOVE from page 9.71

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.

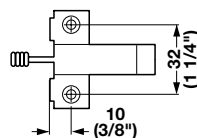


For face-frame doors with lip

- Screw-mount

Material: Plastic

| Color | Model | Item No. |
|-------|----------|------------|
| beige | D066SNBN | 356.11.470 |

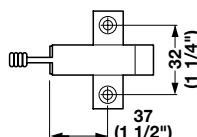


For face-frame doors with lip

- Screw-mount
- For 343.60, 343.61, and 343.88 series face-frame hinges

Material: Plastic

| Color | Model | Item No. |
|-------|----------|------------|
| beige | D067SNBN | 356.11.490 |

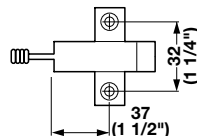


For overlay doors with lip

- Screw-mount

Material: Plastic

| Color | Model | Item No. |
|-------|----------|------------|
| beige | D064SNBN | 356.11.460 |

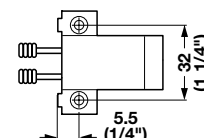


For overlay or inset doors without lip

- Screw-mount

Material: Plastic

| Color | Model | Item No. |
|-------|----------|------------|
| beige | D064SNBR | 356.11.462 |

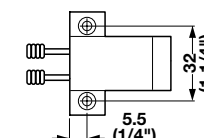


For double doors with lip

- Screw-mount

Material: Plastic

| Color | Model | Item No. |
|-------------|----------|------------|
| beige | D070SNBN | 356.11.480 |
| light brown | D070SNQN | 356.11.180 |

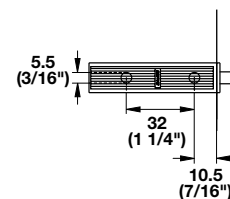


For inset double doors without lip

- Screw-mount
- Can be used for pocket doors

Material: Plastic

| Color | Model | Item No. |
|-------|----------|------------|
| beige | D070SNBR | 356.11.481 |



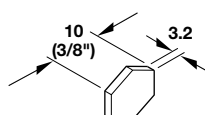
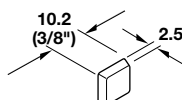
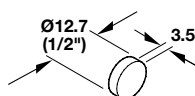
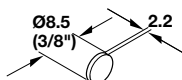
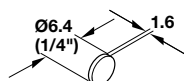
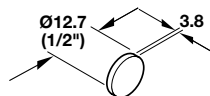
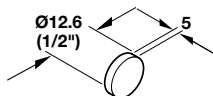
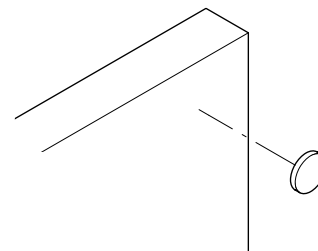
For frameless or inset doors without lip

- Screw-mount

Material: Steel, zinc

| Model | Item No. |
|----------|------------|
| D076XX9R | 356.11.592 |

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



Dimensions in mm
Inches are approximate

Silent Bumper 2

- Designed for use with face frame

Material: 100% Polyurethane, transparent

| Item No. | Packing |
|------------|------------|
| 356.25.480 | 5,000 pcs. |
| 356.25.485 | 1,000 pcs. |

Silent Bumper

- Softer material and 2-stage impact reduces physical force of impact by more than half

Material: 100% Polyurethane, transparent

| Item No. | Packing |
|------------|------------|
| 356.25.450 | 5,000 pcs. |
| 356.25.455 | 1,000 pcs. |

Bumper

Material: 100% Polyurethane, transparent

| Item No. | Packing |
|------------|-------------|
| 356.25.444 | 11,424 pcs. |
| 356.25.445 | 1,734 pcs. |

Bumper

Material: 100% Polyurethane, transparent

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

Bumper

Material: 100% Polyurethane, transparent

| Item No. | Packing |
|------------|------------|
| 356.25.400 | 5,000 pcs. |
| 356.25.405 | 1,000 pcs. |

Bumper

Material: 100% Polyurethane, transparent

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

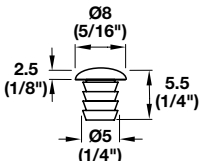
Bumper

Material: Foam

| Color | Item No. |
|-------|------------|
| brown | 356.25.121 |

Order Supplied With
1080 pcs.

Dimensional data not binding. We reserve the right to alter specifications without notice.

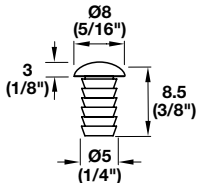


Door Bumper

- Press-fit

Material: Plastic, transparent

| Item No. |
|------------|
| 356.16.025 |

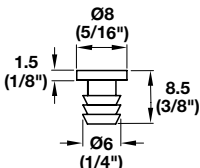


Door Bumper

- Press-fit

Material: Plastic, transparent

| Item No. |
|------------|
| 356.17.010 |

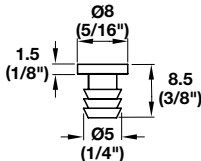


Door Bumper

- Press-fit

Material: Plastic, transparent

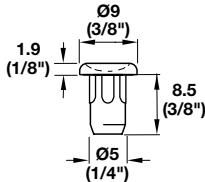
| Item No. |
|------------|
| 356.20.421 |



Door Stop

Material: Plastic

| Color | Item No. |
|-------|------------|
| black | 356.16.315 |

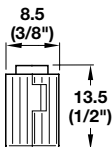


Door Bumper

- Press-fit

Material: Plastic, transparent

| Item No. |
|------------|
| 356.18.010 |



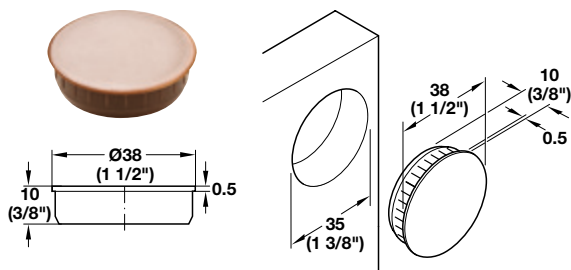
Door Bumper

- Press-fit
- 2 piece silent touch

Material: Plastic, transparent

| Item No. |
|------------|
| 356.19.940 |

Dimensional data not binding. We reserve the right to alter specifications without notice.

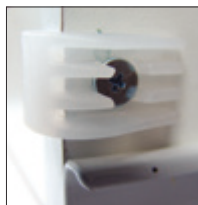


Trim Cap

- For hinge cup holes
Ø35 mm

Material: Plastic

| Color | Item No. |
|-------|------------|
| white | 340.41.702 |
| brown | 340.41.104 |



Drawer Bumper

- Peel and stick
- Can also be attached with screws
- Protects your cabinet doors

Material: UHMW, transparent

| Item No. |
|------------|
| 430.07.400 |

Order Supplied With

10 pcs.



Drawer Bumper Screws

Material: Steel; Finish: zinc-plated

| Length | Thread type | Item No. |
|-----------|-------------|------------|
| #6 x 5/8" | Full | 430.07.409 |

Order 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

| Color | Item No. |
|-------------|------------|
| transparent | 356.24.030 |
| brown | 356.24.110 |
| white | 356.24.710 |

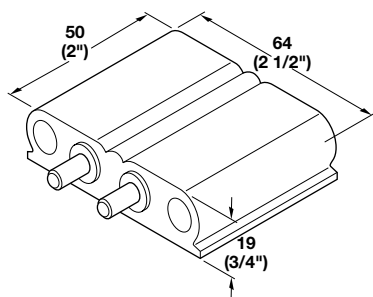
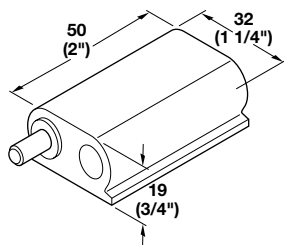
Order Supplied With

10 pcs.

Specifically designed to provide Soft & Silent function on inset doors with free-swinging hinges. Typical application is high-end custom kitchen cabinets utilizing decorative free-swinging hinges.

soft&silent)))

- Utilizes Neodymium magnets and Smove shock absorbers to gently pull doors closed
- Magnets are separated by a rubber bumper, so door closes quietly
- Available for single or double-door applications
- 2 units per door are recommended; 1 on top and 1 on bottom
- Magnets are strong enough to pull in warped doors (up to 1/4" approx.)
- Can be used on Frameless or Face Frame Construction
- Free-swinging hinges must be used



For Single Doors

Wood Species: Maple

| Finish | Item No. |
|------------|------------|
| clear coat | 356.31.100 |
| unfinished | 356.31.110 |

Supplied With

L/H & R/H blocks with Smoves & magnets installed
Mounting screws
2 door magnets
2 door bumpers

For Double Doors

Wood Species: Maple

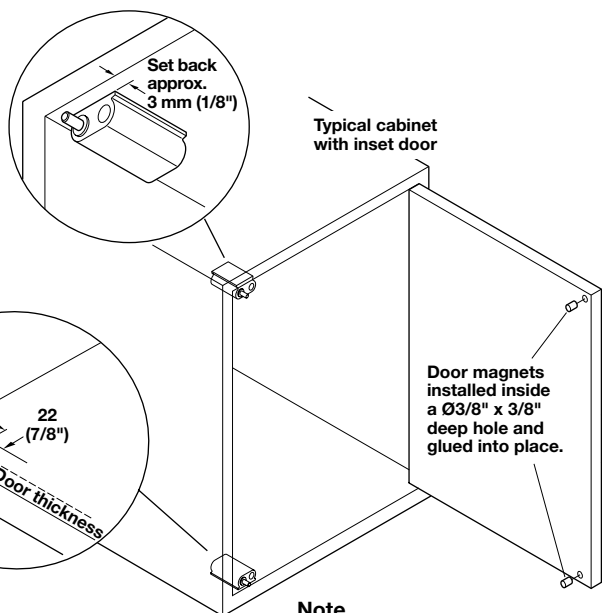
| Finish | Item No. |
|------------|------------|
| clear coat | 356.31.120 |
| unfinished | 356.31.130 |

Supplied With

Double block with Smoves & magnets installed
Mounting screws
2 door magnets
2 door bumpers

Note

Single blocks are supplied in pairs; L/H and R/H. For appearance sake, they look better if top and bottom magnet align. They also tend to work better if magnet is closest to the hinge side.



Note

Recommended pilot hole location for keyhole screw:
19 mm (3/4") from side panel or edge of style on face frame cabinets
Set back from front edge; door thickness + 22 mm (7/8")
For face frame construction, please provide your own shims

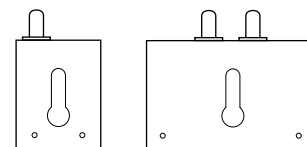
Super Glue Gel

| | Item No. |
|-----------------------------------|------------|
| 2 gram tube | 003.50.220 |
| 5 grams in easy to use applicator | 003.50.221 |

3/8" Forstner drill bit

- For door magnet

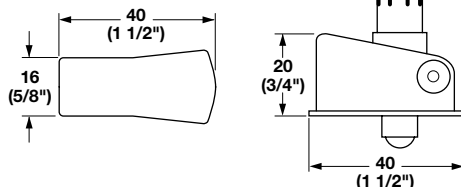
| | Item No. |
|--|------------|
| | 001.04.110 |



Note

Easy to install keyhole slot in bottom offers approx. 1/2" of front-to-back adjustment. When proper location is established, install additional 1/2" screw via hole(s) in back.

Dimensional data not binding. We reserve the right to alter specifications without notice.



Corner Face Frame Damper

- For use with self-closing hinges
- Prevents door slam
- Sleek, stylish design
- Mounts in the corner of the cabinet on the hinge slide
- Only one damper required for most doors
- Toeless adjustment for optimal closing speed
- Child-proof, no removable parts
- For overlay doors

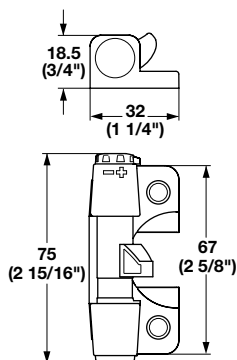
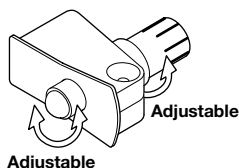
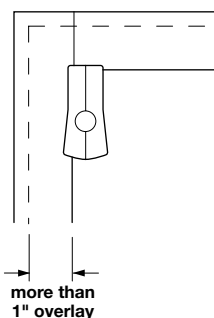
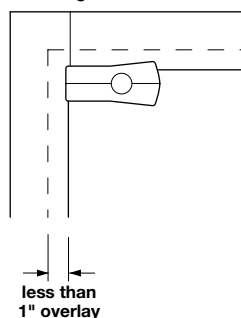
Material: Zinc and Plastic

| Item No. |
|------------|
| 356.15.630 |

Note

One #8 x 1 1/4" flat head screw required

Mounting: Face Frame



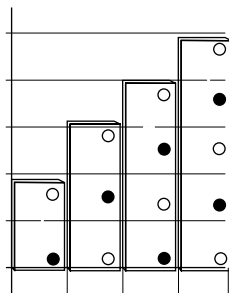
Damper for A-Series Hinges

- Prevents door slam
- Attaches directly to the hinge cup
- Only one damper required for most doors
- Adjustment provides optimal closing speed
- Simple to retrofit
- For use with screw-mount hinges
- Not for use with inset hinges

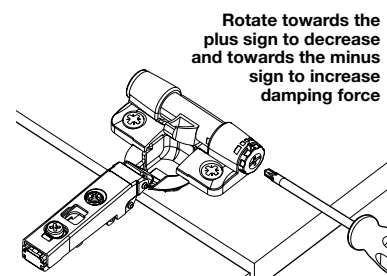
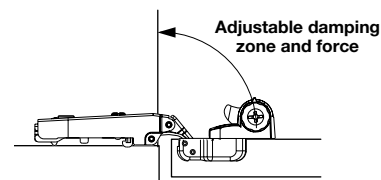
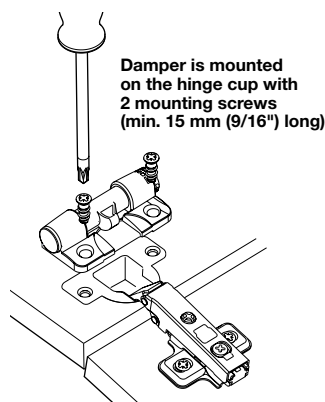
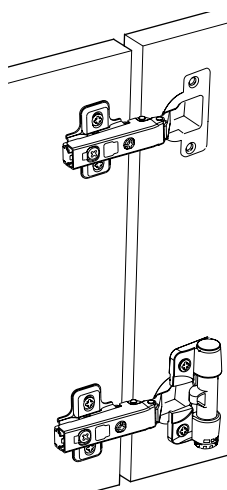
Material: Zinc and Plastic

| Item No. |
|------------|
| 312.07.700 |

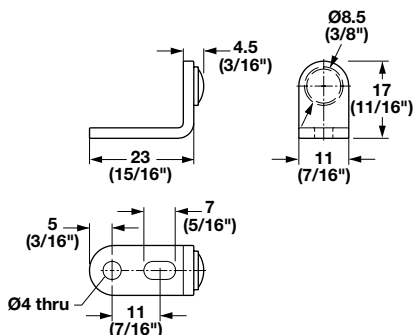
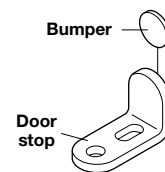
9



- Recommended number of dampers per door and positioning



Dimensions in mm
Inches are approximate

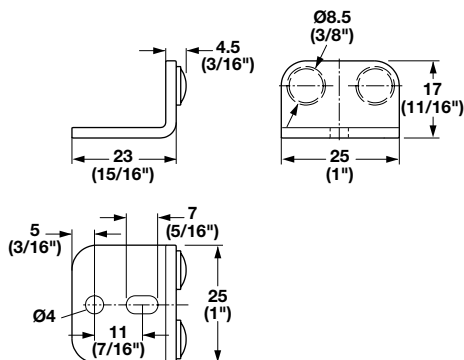


- For single doors
- Inset doors when self-closing concealed hinges are used
- Various door stop applications

Material: Bracket: Steel
Bumper: Polyurethane, transparent

| Finish | Item No. |
|---------------|------------|
| nickel-plated | 251.79.602 |

Supplied With
48 brackets
48 bumpers
Polybag

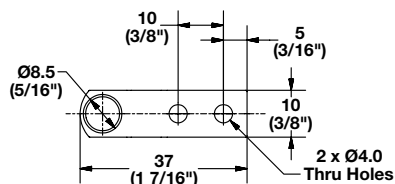
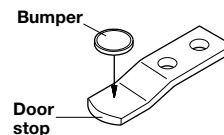


- For double doors
- Inset doors when self-closing concealed hinges are used
- Various door stop applications

Material: Bracket: Steel
Bumper: Polyurethane, transparent

| Finish | Item No. |
|---------------|------------|
| nickel-plated | 251.79.604 |

Supplied With
48 brackets
96 bumpers
Polybag



- Use with revolving kitchen corner units with inset doors such as Häfele's Suzie-Q™
- Inset doors when self-closing concealed hinges are used
- Various inset door applications

Material: Bracket: Steel
Bumper: Polyurethane, transparent

| Finish | Item No. |
|---------------|------------|
| nickel-plated | 251.79.600 |

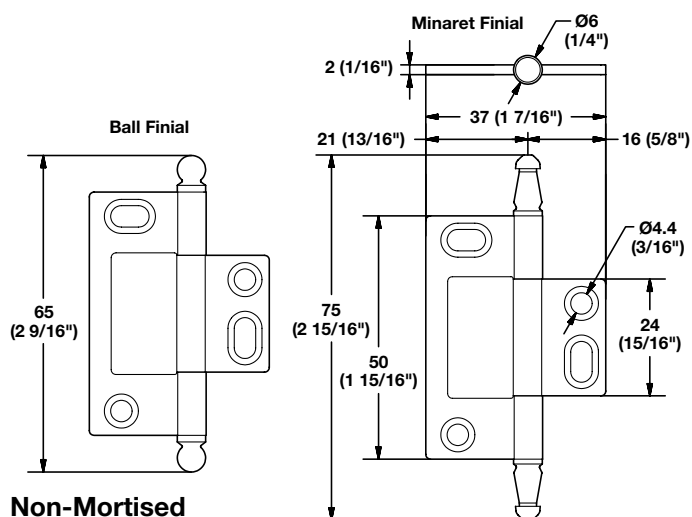
Supplied With
48 brackets
48 bumpers
Polybag

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

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 your handle or knob
- For inset face frame doors
- 2-way adjustable



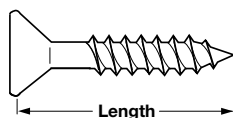
Non-Mortised

Material: Brass

| Finish | Recommended screw finish | Minaret finial | Ball finial |
|-------------------|--------------------------|----------------|-------------|
| antique brass | antique english | 351.95.180 | 351.95.182 |
| oil-rubbed bronze | black | 351.95.190 | 351.95.192 |
| polished chrome | zinc | 351.95.280 | 351.95.282 |
| black | black | 351.95.380 | 351.95.382 |
| satin chrome | nickel | 351.95.480 | 351.95.482 |
| brushed nickel | nickel | 351.95.680 | 351.95.682 |
| polished nickel | nickel | 351.95.780 | 351.95.782 |
| polished brass | bright brass | 351.95.880 | 351.95.882 |
| pewter | black | 351.95.980 | 351.95.982 |

Note

Order #5 x 5/8" screws separately



Flat Head Countersunk Wood Screws

- Deep thread design provides maximum holding power in a variety of different woods and man-made materials
- With extra-deep Phillips Recess to help minimize bit slippage

Material: Steel, plated

| Finish | Length (inches) | Item No. |
|-----------------|-----------------|------------|
| antique english | #5 x 5/8" | 010.77.104 |
| black | #5 x 5/8" | 010.77.304 |
| bright brass | #5 x 5/8" | 010.77.504 |
| nickel | #5 x 5/8" | 010.77.604 |
| zinc | #5 x 5/8" | 010.77.904 |

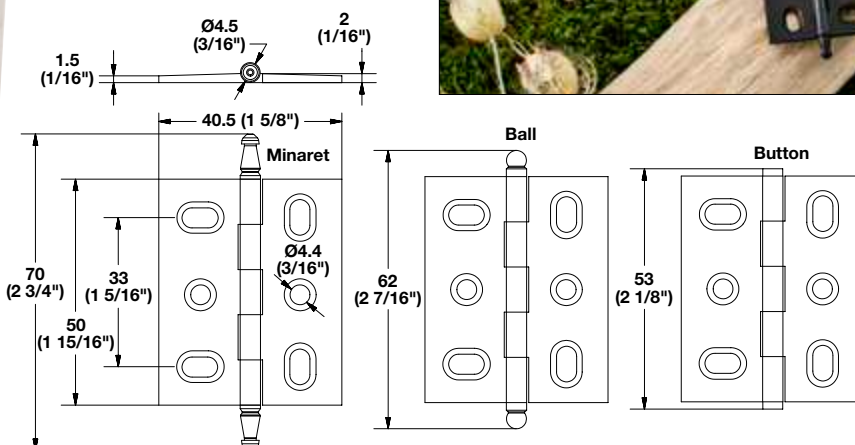
Order Supplied With
1000 pcs.

Dimensions in mm
Inches are approximate

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 your handle or knob
- For inset face frame doors
- Mortised on cabinet and/or door side
- 2-way adjustable



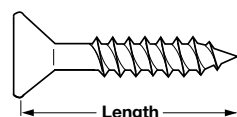
Mortised

Material: Brass

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

Note

Order #6 x 5/8" screws separately



Flat Head Countersunk Wood Screws

- Deep thread design provides maximum holding power in a variety of different woods and man-made materials
- With extra-deep Phillips Recess to help minimize bit slippage

Material: Steel, plated

| Finish | Length (inches) | Item No. |
|-----------------|-----------------|------------|
| antique english | #6 x 5/8" | 010.77.106 |
| stat bronze | #6 x 5/8" | 010.77.206 |
| bright brass | #6 x 5/8" | 010.77.506 |
| nickel | #6 x 5/8" | 010.77.606 |
| zinc | #6 x 5/8" | 010.77.906 |

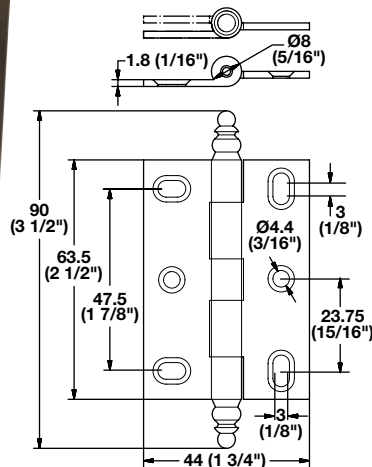
Order Supplied With
1000 pcs.

Dimensions in mm
Inches are approximate

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 your handle or knob
- For inset face frame doors
- Mortised on cabinet and/or door side
- 2-way adjustable
- Complements thicker and larger doors



Mortised

- With minaret finial

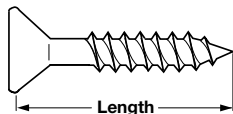
Material: Brass

| Finish | Recommended screw finish | Item No. |
|-------------------|--------------------------|------------|
| antique brass | antique english | 354.36.100 |
| oil-rubbed bronze | stat bronze | 354.36.110 |
| polished chrome | zinc | 354.36.200 |
| black | stat bronze | 354.36.300 |
| satin chrome | nickel | 354.36.400 |
| brushed nickel | nickel | 354.36.600 |
| polished nickel | nickel | 354.36.700 |
| polished brass | bright brass | 354.36.800 |
| pewter | stat bronze | 354.36.900 |

Note

Order #6 x 5/8" screws separately

9



Flat Head Countersunk Wood Screws

- Deep thread design provides maximum holding power in a variety of different woods and man-made materials
- With extra-deep Phillips Recess to help minimize bit slippage

Material: Steel, plated

| Finish | Length (inches) | Item No. |
|-----------------|-----------------|------------|
| antique english | #6 x 5/8" | 010.77.106 |
| stat bronze | #6 x 5/8" | 010.77.206 |
| bright brass | #6 x 5/8" | 010.77.506 |
| nickel | #6 x 5/8" | 010.77.606 |
| zinc | #6 x 5/8" | 010.77.906 |

Order Supplied With

1000 pcs.

- For inset face frame doors
- For shaker style furniture with raised panel doors
- Quick and easy mounting
- 2-way adjustable



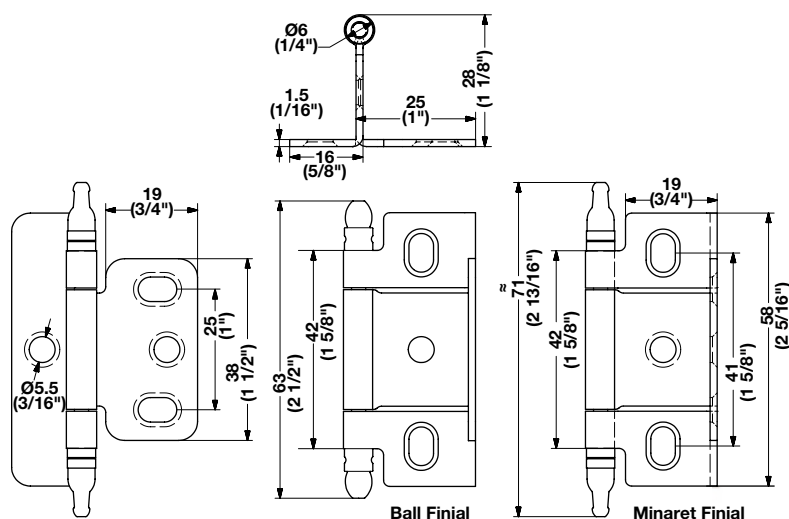
Full Wrap Non-mortised

Material: Steel

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

Note

Order #6 wood screws separately



- For inset face frame doors
- For shaker style furniture with raised panel doors
- Quick and easy mounting
- 2-way adjustable



Partial Wrap Non-mortise

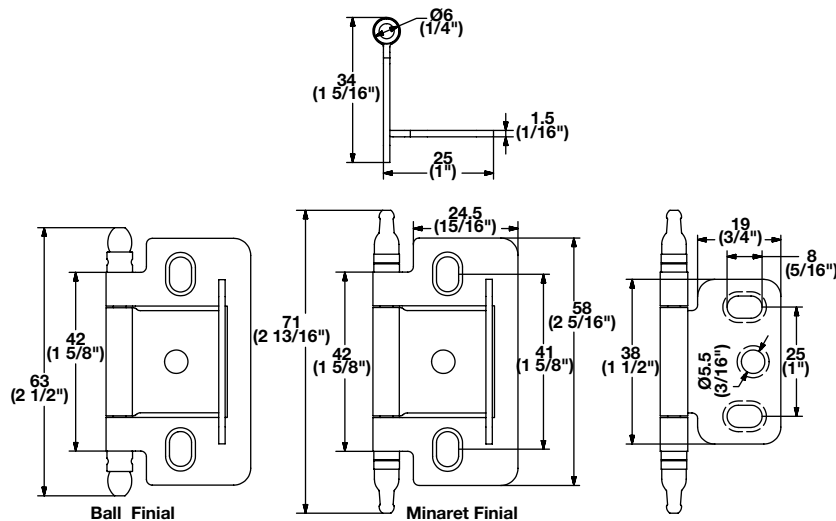


Material: Steel

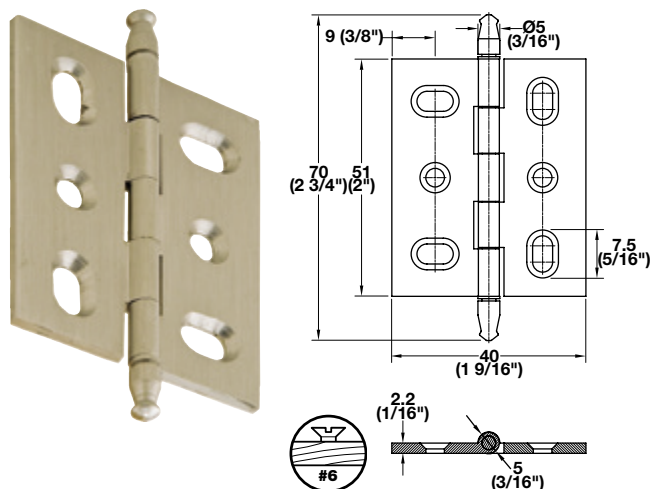
| Finish | Recommended screw finish | Minaret finial | Ball finial |
|------------------------|--------------------------|----------------|-------------|
| antique brass | antique english | 351.86.120 | 351.86.160 |
| dark oil-rubbed bronze | black | 351.86.130 | 351.86.170 |
| copper bronze | stat bronze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

Note

Order #6 wood screws separately



- For inset face frame doors
- For shaker style furniture with raised panel doors
- Quick and easy mounting
- 2-way adjustable



Mortised Decorative Butt Hinge

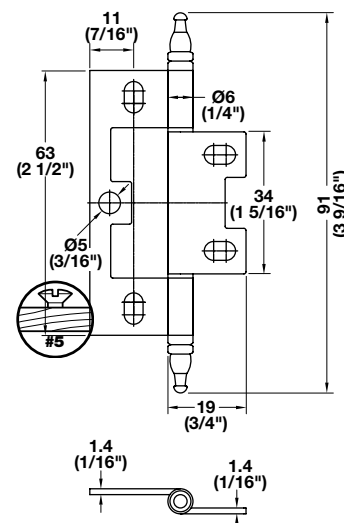
- With minaret finial
- For inset face frame doors
- For shaker style furniture with raised panel doors
- Solid brass
- 2-way adjustable

Material: Brass

| Finish/Color | Recommended screw finish | Item No. |
|------------------------|--------------------------|------------|
| antique brass | antique english | 354.22.131 |
| polished brass | brass | 354.22.831 |
| satin chrome | nickel | 354.22.431 |
| brushed-nickel | nickel | 354.22.631 |
| pewter | black | 354.22.931 |
| polished chrome | zinc | 354.22.231 |
| black | black | 354.22.331 |
| dark oil-rubbed bronze | black | 354.22.141 |

Note

Order #6 wood screws separately



Non-Mortised Decorative Butt Hinge

- With minaret finial
- For inset face frame doors
- For shaker style furniture with raised panel doors
- 2-way adjustable

Material: Steel

| Finish/Color | Recommended screw finish | Item No. |
|------------------------|--------------------------|------------|
| antique brass | antique english | 351.95.170 |
| brass-plated | bright brass | 351.95.570 |
| satin chrome | nickel | 351.95.470 |
| matt nickel | nickel | 351.95.670 |
| pewter | black | 351.95.970 |
| chrome-plated | zinc | 351.95.270 |
| black | black | 351.95.370 |
| dark oil-rubbed bronze | black | 351.95.175 |

Note

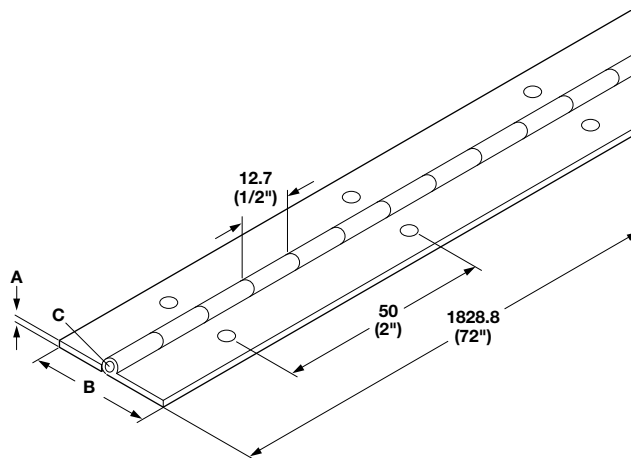
Order #5 wood screws separately

Dimensions in mm
Inches are approximate

- Hinges are post-plated and free of machine oil
- Stainless steel is 304 grade with a bright annealed (BA) finish
- BA finish provides a shiny, more decorative look
- All holes are countersunk for screws
- Hinges can be cut by the customer to desired length

Note

Special order hinges are available in a minimum quantity of 300 ft. (steel) and 150 ft. (stainless steel)



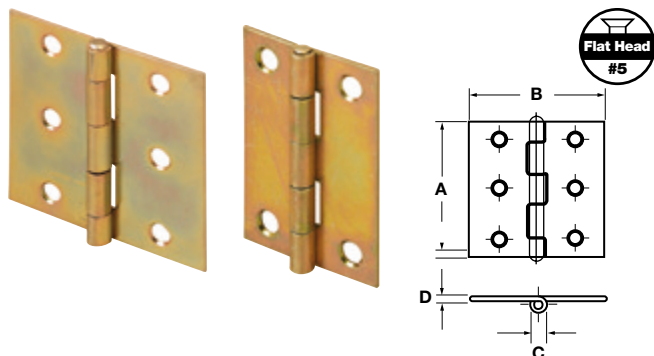
Piano Hinge

- For furniture, cabinetry and marine applications
- Knuckle length: 12.7 mm (1/2")
Hole spacing: 50 mm (2")
Length: 1828.8 mm (72")

| Material | Finish | Open Width (B) | Gauge (A) | Pin Diameter (C) | Item No. |
|-----------------|-----------------|----------------|-------------|------------------|------------|
| steel | polished brass | 27 (1 1/16") | 1.02 (.04") | 2.29 (.09") | 351.09.513 |
| steel | polished nickel | 27 (1 1/16") | 1.02 (.04") | 2.29 (.09") | 351.09.613 |
| steel | polished brass | 31.8 (1 1/4") | 1.02 (.04") | 2.29 (.09") | 351.09.523 |
| 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") | 351.10.033 |
| steel | polished brass | 50.8 (2") | 1.02 (.04") | 2.29 (.09") | 351.09.543 |
| steel | polished nickel | 50.8 (2") | 1.02 (.04") | 2.29 (.09") | 351.09.643 |
| stainless steel | stainless steel | 50.8 (2") | .94 (.037") | 2.54 (.1") | 351.10.043 |

Orders Supplied With

5 pcs
Screws



Hinges with Fixed Pin

- 5 knuckles
- Knuckles (approx.) Ø5.5 mm

Material: Steel; Finish: yellow chromated

| A x B (approx.) | Material thickness (D) | Holes per wing | Item No. |
|----------------------------------|------------------------|----------------|------------|
| 50 x 35 (1 15/16" x 1 3/8") | 1.2 | 2 | 354.12.905 |
| 50 x 50 (1 15/16" x 1 15/16") | 1.0 | 3 | 354.12.906 |

#5 x 5/8" Flat Head Screw

- Countersunk
- For use with 354.12.905 & 354.12.906

Material: Steel

| Finish | Item No. |
|-------------------|------------|
| yellow galvanized | 015.33.544 |

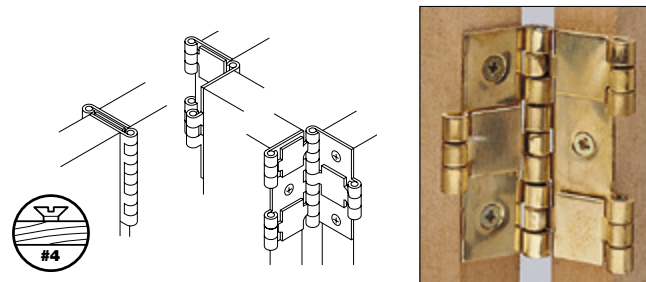
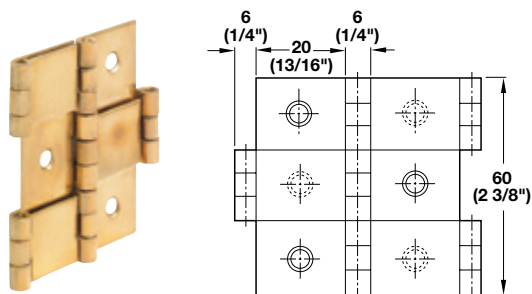
Order Supplied With 1000 pcs.

Screen Hinge

- 3-part, pivotable in both directions

Material: Brass, polished

| Wood thickness | Item No. |
|----------------|------------|
| 20 (13/16") | 341.20.815 |



Neuform Cranked Hinge

- Butt hinge for overlay doors
- Barrel length: 40 mm

Material: Solid Brass; Finish: nickel-plated polished

| Door thickness | Side panel thickness | Item No. |
|-------------------------|----------------------|------------|
| 15 - 16 (9/16" - 5/8") | from 14 (9/16") | 307.05.705 |
| 19 - 20 (3/4" - 13/16") | from 17 (11/16") | 307.04.708 |



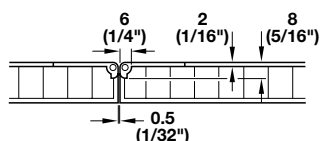
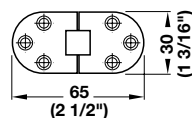
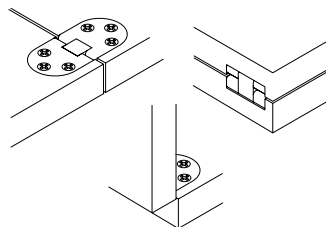
Cranked Hinge

- Butting for front-hung doors
 - Door thickness: 20 - 21 mm (13/16")
 - Side panel thickness: optional
- Barrel length: 50 mm

Material: Solid Brass

| Finish | Left | Right |
|--------------------|------------|------------|
| nickel-plated matt | 307.01.636 | 307.01.627 |

Dimensions in mm
Inches are approximate

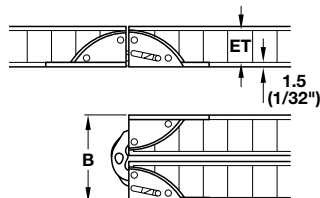
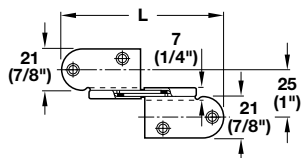
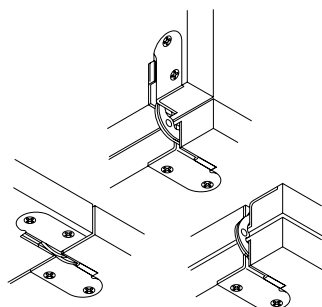


Self-supporting Hinge

- Flush-mounted
- For folding and sewing-machine tables

Material: Brass

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



Folding Table Hinge

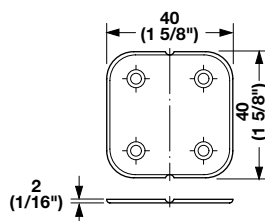
- Flush-mounted
- For panel thicknesses 19 to 22 mm internal hinge
- Distance between panels is approximately 5 mm

Material: Steel; Color: brass-plated

| Material thickness | Mortise depth ET | L x B | Item No. |
|--------------------|---------------------|---------|------------|
| 19 | 16 | 85 x 47 | 341.30.508 |
| 22 | 19 | 85 x 51 | 341.30.526 |



9



Nylon Hinge

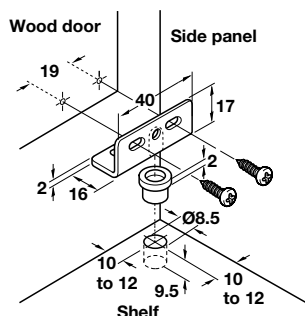
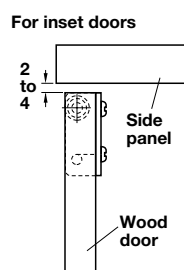
W x H: 40 x 40 mm (1 5/8" x 1 5/8")

Material: Nylon

| Color | Item No. |
|-------|------------|
| brown | 351.93.125 |



For Wood Doors and Lids



Simplex-wood Door Hinge

- With press-fit bushing
- Door thickness 14 – 19 mm (9/16" – 3/4")

Material: Steel; Bushing: Plastic; Color: black

| Finish/Color | Item No. |
|---------------|------------|
| chrome-plated | 361.42.293 |
| black | 361.42.391 |

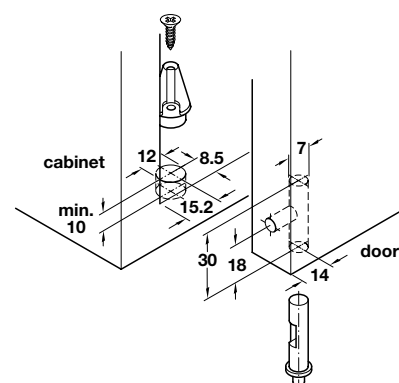
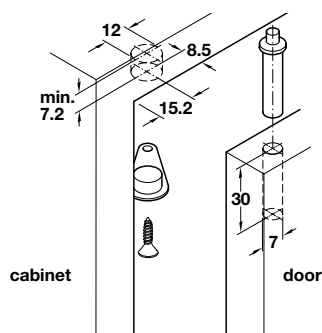
Supplied With

Bushings
Screws

Note

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

Max. Opening Angle: 140°



Pivot Hinge

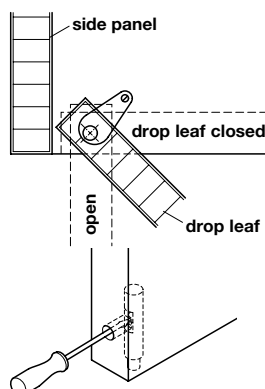
- Door thickness 2 – 21 mm (1/16" – 13/16")
- Both pins spring-loaded: no tools required for installation
- Detachable

Material: Plastic; Pivot: Steel

| Color | Item No. |
|-------|------------|
| black | 361.22.310 |

Supplied With

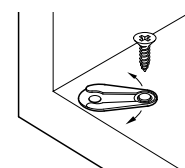
2 pins
2 bushings



Note

To detach door, insert a small screwdriver into hole located in door edge. Then, use screwdriver to lift spring-loaded pin inside lower bushing.

Important Be sure to match holes in door and bushing.



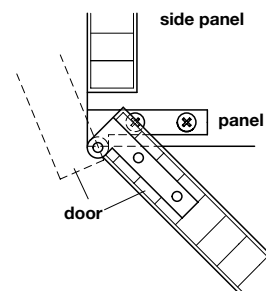
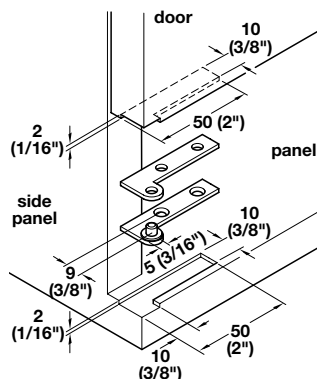
Note

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.

Dimensional data not binding. We reserve the right to alter specifications without notice.

Dimensions in mm
Inches are approximate

Opening angle: **250°**



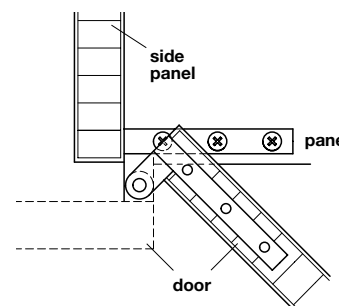
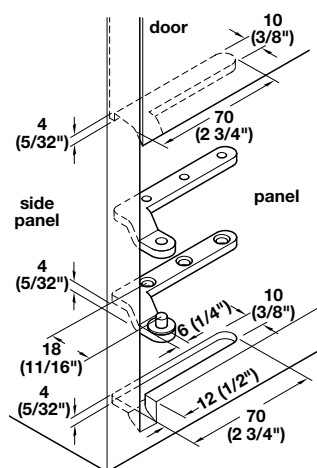
Corner Pivot Hinge, straight

- Screw-mounted
 - Max. door opening angle 250°
 - Without stop
 - With outer knuckle
- Length: 50 mm (1 15/16")

Material: Brass, polished

| Item No. |
|------------|
| 362.10.803 |

Opening angle: **180°**



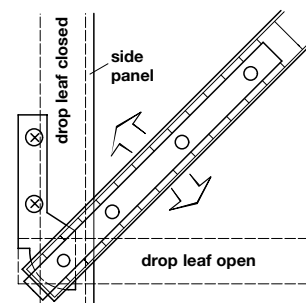
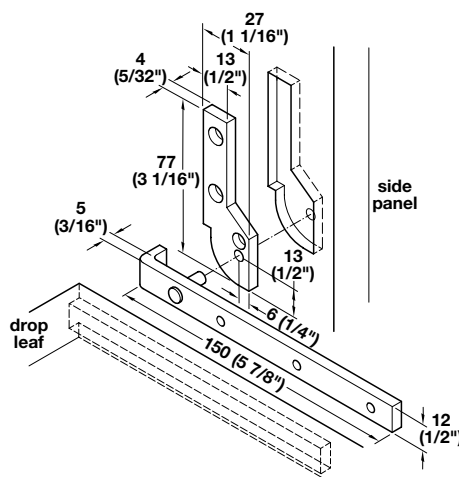
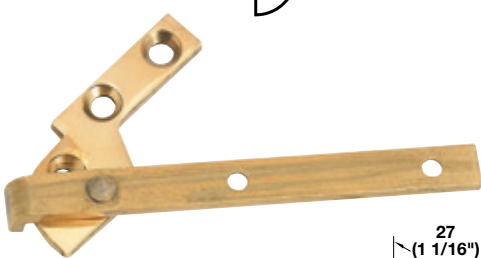
Corner Pivot Hinge, cranked

- Screw-mounted
 - Max. door opening angle 180°
 - Without stop
 - With outer knuckle
- Length: 70 mm (2 3/4")

Material: Brass, matt

| Item No. |
|------------|
| 362.01.500 |

Opening Angle: **90°**



Desk Pivot Hinge

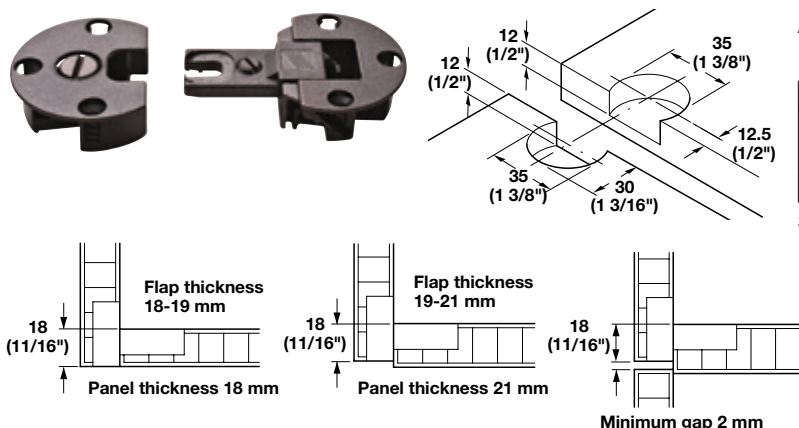
- Mounts on drop leaves, screw-mounted
 - With stop
- Length: 150 mm (5 7/8")

Material: Brass, polished

| Item No. |
|------------|
| 361.50.820 |

- Three-way adjustable and detachable
- The two cups can be released and detached for added shipping and installation convenience

Opening angle: **90°**



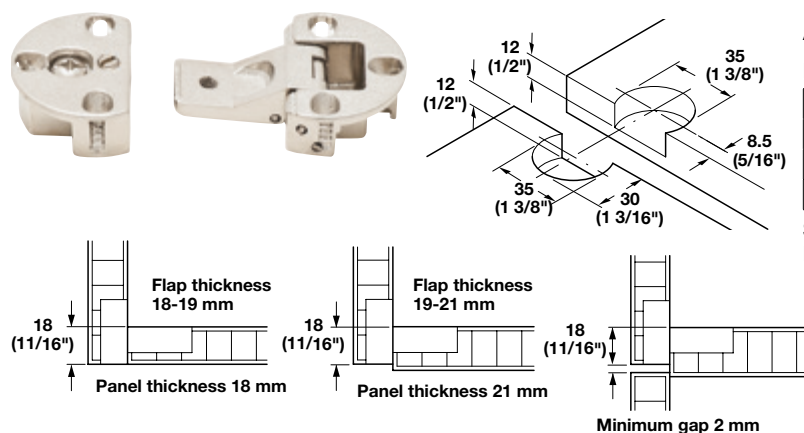
There is a 1 mm gap between flap and shelf when the flap is lowered.

All-Metal Flap Hinge

Material: Zinc, die-cast

| Finish | Item No. |
|---------------|------------|
| nickel-plated | 342.66.709 |
| brass-plated | 342.66.503 |
| bronzed | 342.66.101 |

Supplied With
Mounting screws



There is a 1 mm gap between flap and shelf when the flap is lowered.

A-Series All-Metal Flap Hinge

Material: Zinc, die-cast

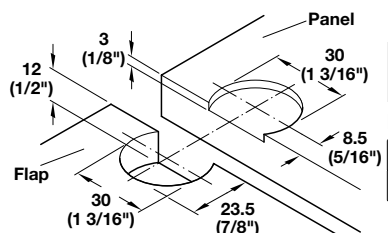
| Finish | Item No. |
|---------------|------------|
| nickel-plated | 342.66.750 |
| brass-plated | 342.66.550 |
| bronzed | 342.66.150 |

Supplied With
Mounting screws

Hole pattern:



9



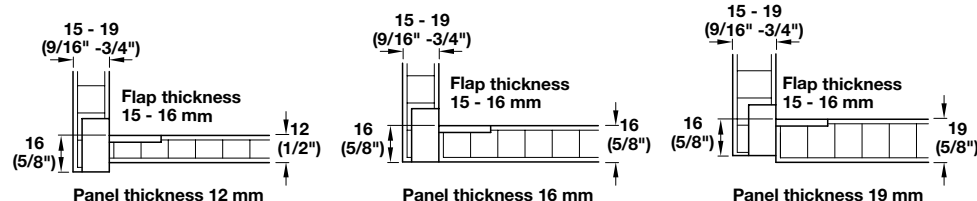
Plano Medial Flap Hinge

- Screw-mounted
- No projecting parts on the cabinet or flap

Material: Plastic/Zinc, die-cast

| Color/Finish | Item No. |
|---------------------|------------|
| white/chrome-plated | 342.75.226 |

Sample installations

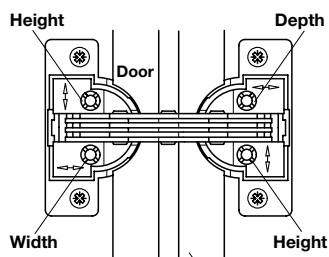


Dimensions in mm
Inches are approximate

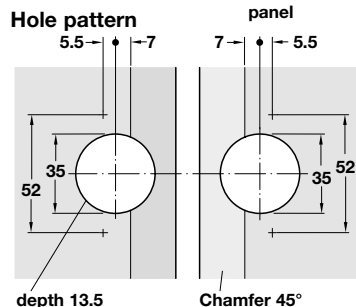
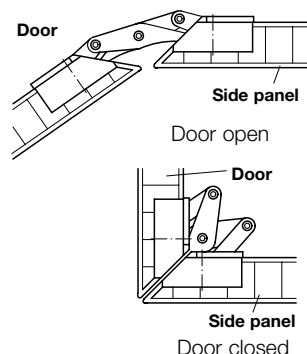
For Doors and Flaps

- Three-way adjustable: 3 mm in height, 1.5 mm in depth and width

Opening angle: **135°**



Sample installation:



GS 45/90 Miter Hinge

- Screw-mounted
- Chamfer: 45°
- Door thickness: 16 to 22 mm
- Side panel thickness: 16 to 22 mm

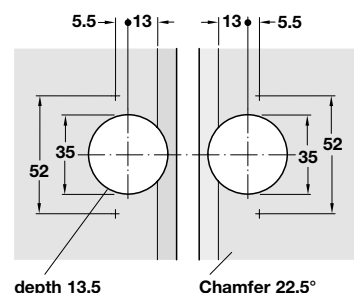
Material: Cup: Zinc die-cast
Hinge arm: Steel

| Finish | Item No. |
|---------------|------------|
| nickel-plated | 325.00.708 |

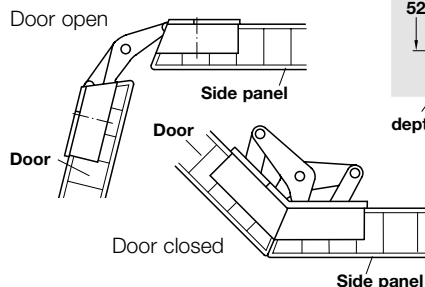
Opening angle: **120°**



Hole pattern



Sample installation:



GS 22.5/135 Miter Hinge

- Screw-mounted
- Chamfer: 22.5°
- Door thickness: 16 to 22 mm
- Side panel thickness: 16 to 22 mm

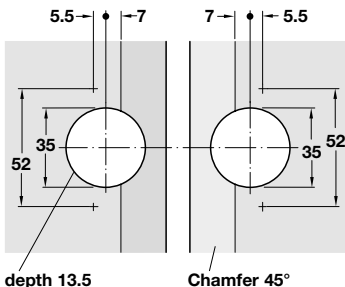
Material: Cup: Zinc die-cast
Hinge arm: Steel

| Finish | Item No. |
|---------------|------------|
| nickel-plated | 325.00.726 |

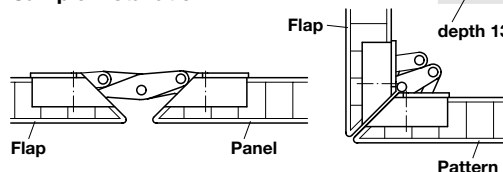
Opening angle: **90°**



Hole pattern



Sample installation:



Miter Flap Hinge

- Screw-mounted
- Chamfer: 45°
- Flap thickness: 16 to 22 mm
- Side panel thickness: 16 to 22 mm
- Use in combination with flap and lid stays

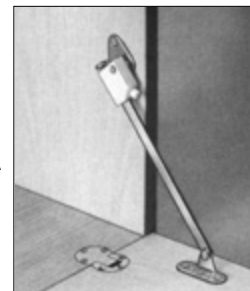
Material: Cup: Zinc die-cast
Hinge arm: Steel

| Finish | Item No. |
|---------------|------------|
| nickel-plated | 325.02.702 |

- Braking action is adjustable using adjustment screw (loosen to increase; tighten to reduce)
- Left and right-handed models available

Note

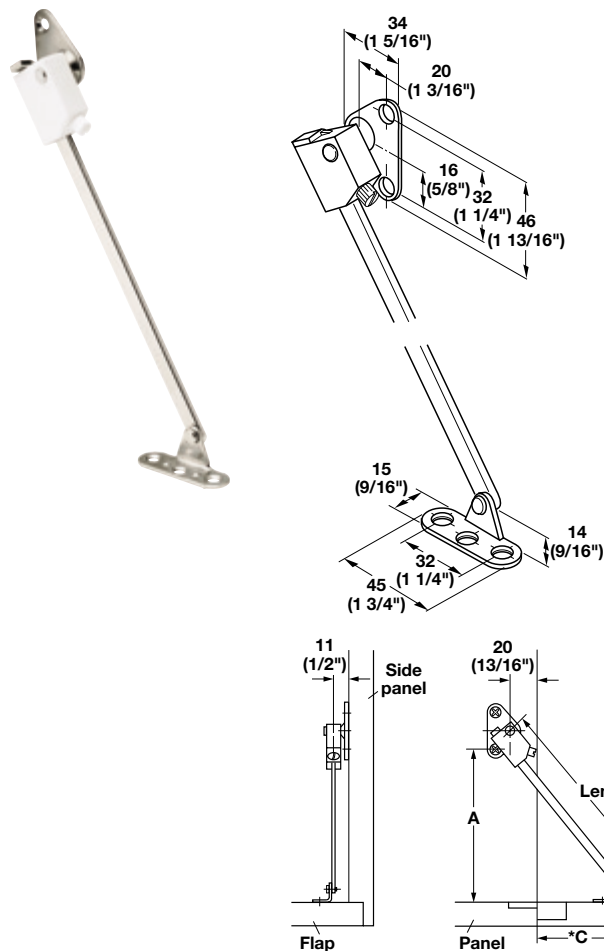
Keep brake piston rod free of oil, grease and other contaminants at all times.



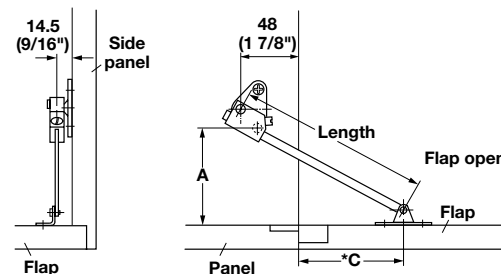
Dorona-stop

Material: Steel/Plastic; Finish/Color: nickel-plated/white

| Length | Left | Right |
|----------------|------------|------------|
| 160 (6 5/16") | 365.86.713 | 365.86.704 |
| 190 (7 1/2") | 365.86.731 | 365.86.722 |
| 220 (8 11/16") | 365.86.759 | 365.86.740 |
| 250 (9 13/16") | 365.86.777 | 365.86.768 |
| 280 (11") | 365.86.795 | 365.86.786 |



* Dimension C can be determined by trial mounting.



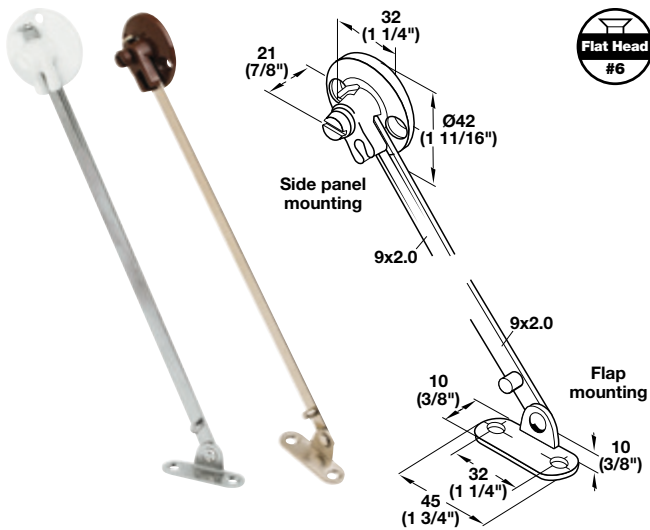
* Dimension C can be determined by trial mounting.

Vertical Mounting

| Length | Inside Cabinet Height | Dimension A |
|----------------|-------------------------------|---------------|
| 160 (6 5/16") | 250 - 350 (9 13/16"-13 3/4") | 127 (5 1/16") |
| 190 (7 1/2") | 300 - 400 (11 15/16"-15 3/4") | 151 (6") |
| 220 (8 11/16") | 350 - 450 (13 3/4"-17 11/16") | 175 (6 7/8") |
| 250 (9 13/16") | 400 - 500 (15 3/4"-19 11/16") | 222 (8 3/4") |
| 280 (11") | 450 - 550 (17 11/16"-21 5/8") | 222 (8 3/4") |

Horizontal Mounting

| Length | Inside Cabinet Height | Dimension A |
|----------------|--------------------------------|----------------|
| 160 (6 5/16") | 200 - 300 (7 7/8"-11 13/16") | 82 (3 1/4") |
| 190 (7 1/2") | 230 - 330 (9 1/16"-13") | 105 (4 1/8") |
| 220 (8 11/16") | 260 - 360 (10 1/4"-14 3/16") | 127 (5 1/16") |
| 250 (9 13/16") | 290 - 430 (11 7/16"-16 15/16") | 148 (5 13/16") |
| 280 (11") | 320 - 460 (12 5/8"-18 1/8") | 171 (6 11/16") |



Flap Stay with Catch

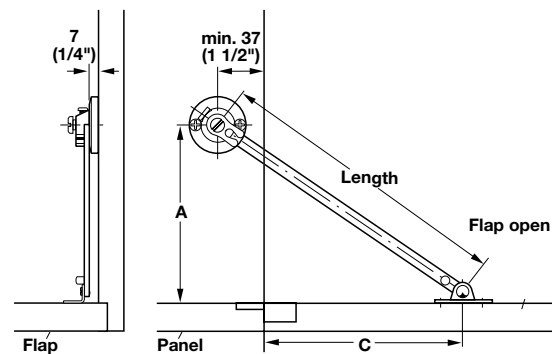
- Screw-mounted
- Reversible, can be installed left or right, configured for right hand installation
- To adjust braking action, loosen or tighten screw on stay, as needed

Material: Steel/Plastic

| Length | Nickel-plated/White | Nickel-plated/Brown |
|-----------------|---------------------|---------------------|
| 225 (8 13/16") | 365.75.710 | 365.75.112 |
| 275 (10 13/16") | 365.75.729 | 365.75.121 |

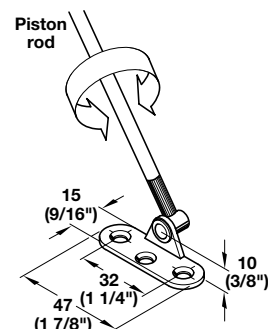
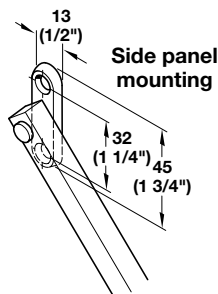
Note

Keep brake piston rod free of oil, grease and other contaminants at all times.



| Length | Inside cabinet depth | A | C |
|-----------------|----------------------|---------------|-----------------------------|
| 225 (8 13/16") | min. 190 (7 1/2") | 135 (5 5/16") | Determine by trial mounting |
| 275 (10 13/16") | min. 240 (9 7/16") | 175 (6 7/8") | |

- Reversible, can be installed left or right



Twist piston rod to adjust braking action.
Turn clockwise to reduce braking action;
counter-clockwise to increase.

SYSTEM
VARIANTA 32

VARIANTA
3

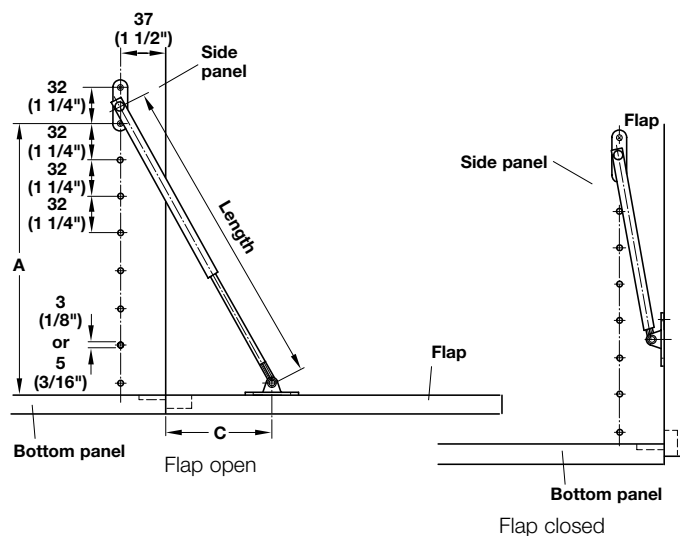
VARIANTA
5

Fall-ex

- With brake

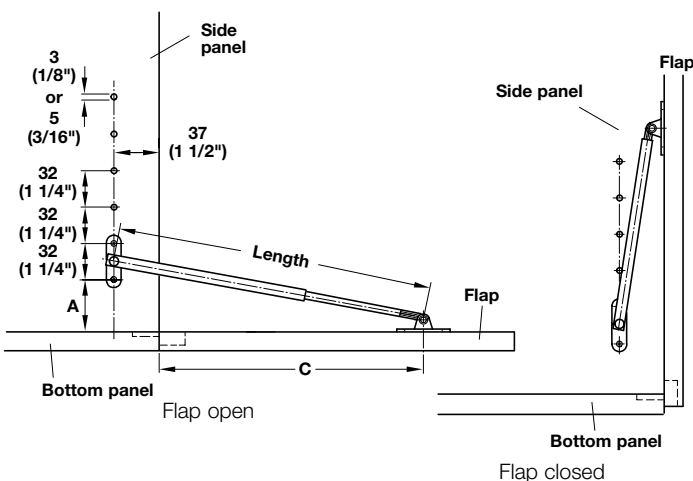
Material: Steel; Finish: nickel-plated
Square tube: Brass

| Length | Item No. |
|----------------|------------|
| 250 (9 13/16") | 372.17.753 |
| 330 (13") | 372.17.762 |
| 465 (18 5/16") | 372.17.771 |



Vertical Mounting

| Length | Inside cabinet height | A | C |
|-----------------|---------------------------------|-------|-------|
| 250 (9 13/16") | 300 - 400 (11 13/16" - 15 3/4") | 214.5 | Trial |
| 325 (12 13/16") | 350 - 450 (13 3/4" - 17 11/16") | 288.0 | Trial |
| 450 (17 11/16") | 400 - 500 (15 3/4" - 19 11/16") | 406.5 | Trial |



Horizontal Mounting

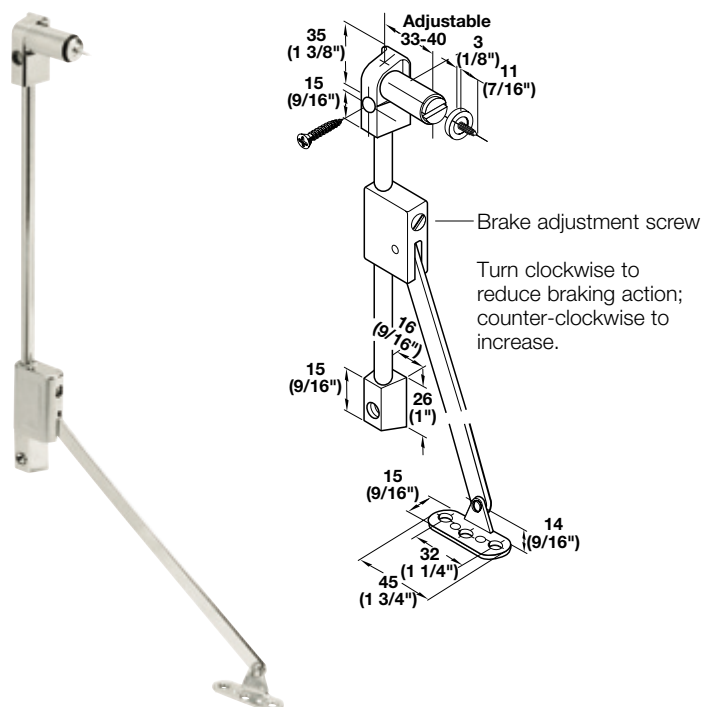
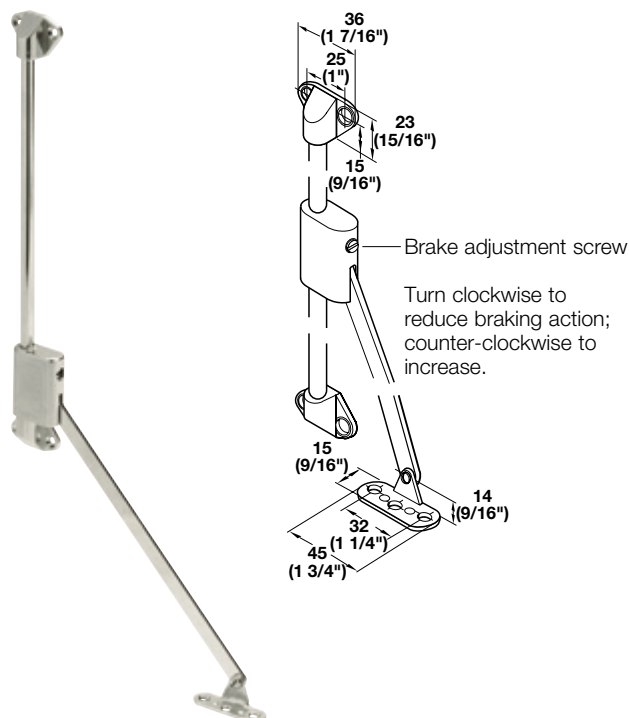
| Length | Inside cabinet height | A | C |
|-----------------|---------------------------------|-------|-------|
| 250 (9 13/16") | 300 - 400 (11 13/16" - 15 3/4") | 22.5 | Trial |
| 325 (12 13/16") | 350 - 450 (13 3/4" - 17 11/16") | 54.5 | Trial |
| 450 (17 11/16") | 400 - 500 (15 3/4" - 19 11/16") | 118.5 | Trial |

Dimensional data not binding. We reserve the right to alter specifications without notice.

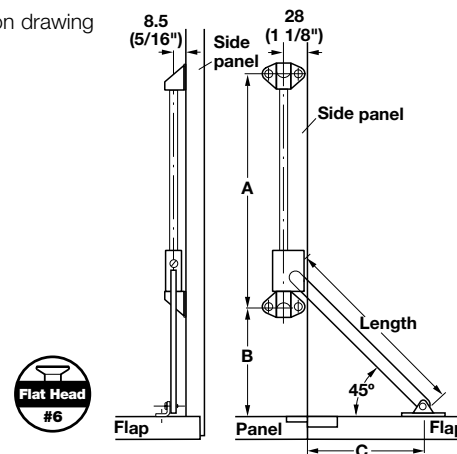
- Use in left or right-hand installations: just reverse position of foot and magnetic catch as needed

Note

Keep brake piston rod free of oil, grease and other contaminants at all times.



Application drawing



Stopmatic S Flap Stay with Brake

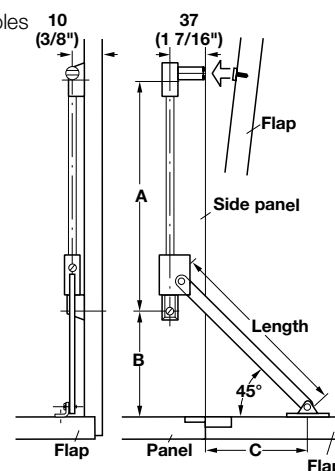
- Screw-mounted

Material: Zinc die-cast/Steel; Finish: nickel-plated

| Length | Item No. |
|-----------------|------------|
| 200 (7 7/8") | 365.74.713 |
| 250 (9 13/16") | 365.74.722 |
| 300 (11 13/16") | 365.74.731 |

| Inside cabinet | | | | |
|-----------------|------------|-----|-----|-----------------------------|
| Length | Height | A | B | C |
| 200 (7 7/8") | 350 to 450 | 238 | 115 | Determine by trial mounting |
| 250 (9 13/16") | 450 to 550 | 288 | 140 | |
| 300 (11 13/16") | 550 to 650 | 338 | 165 | |

Installs in pre-drilled holes



Stopmatic S Flap Stay with Brake and Magnetic Catch

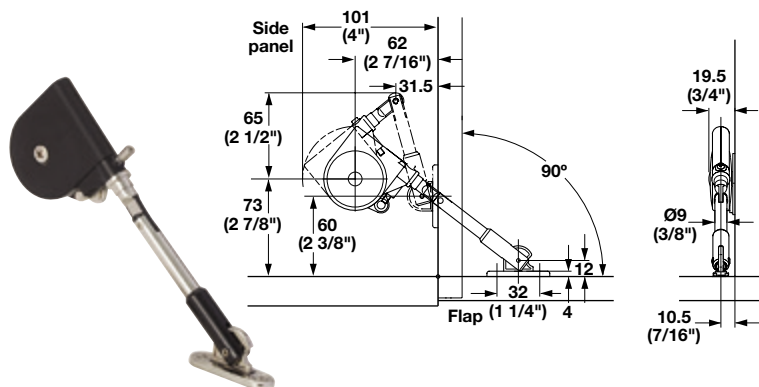
- Screw-mounted

Material: Zinc die-cast/Steel; Finish: nickel-plated

| Length | Item No. |
|-----------------|------------|
| 200 (7 7/8") | 365.73.716 |
| 250 (9 13/16") | 365.73.725 |
| 300 (11 13/16") | 365.73.734 |

| Inside cabinet | | | | |
|-----------------|------------|-----|-----|-----------------------------|
| Length | Height | A | B | C |
| 200 (7 7/8") | 350 to 450 | 238 | 115 | Determine by trial mounting |
| 250 (9 13/16") | 450 to 550 | 288 | 140 | |
| 300 (11 13/16") | 550 to 650 | 338 | 165 | |

- With Soft & Silent feature
- Reversible, can be installed left or right



soft&silent)))



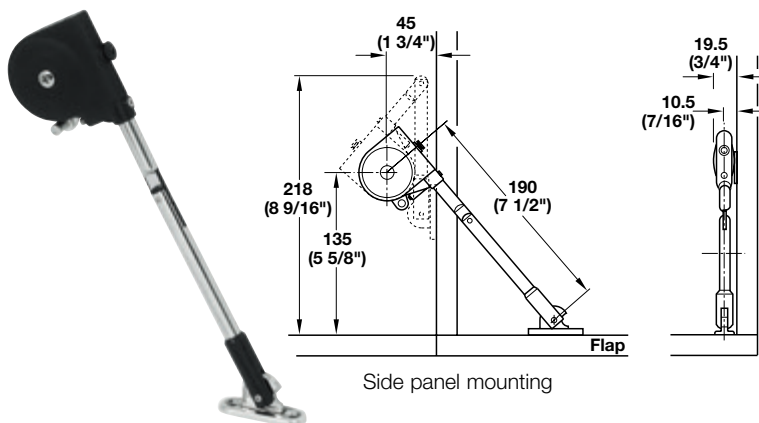
Short Arm Flap Stay

- For small height door applications
- Built-in catch holds the door closed
- No magnetic catch required
- Can be used with piano, butt, or flap hinges

Material: Plastic, Steel

| Color/Finish | Item No. |
|---------------------|------------|
| black/nickel-plated | 365.30.330 |

Supplied With
Mounting screws



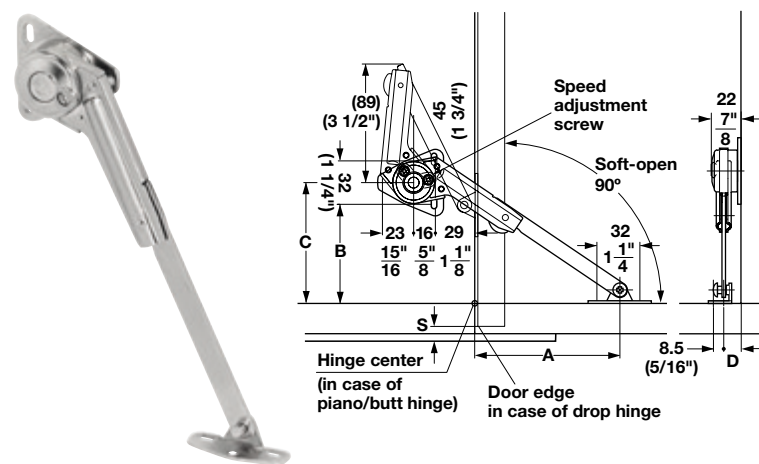
Flap Stay

- With speed-mount bracket

Material: Plastic, Steel

| Color/Finish | Item No. |
|---------------------|------------|
| black/nickel-plated | 365.30.300 |

Supplied With
Mounting screws



Flap Stay

Material: Steel; Finish: nickel-plated

| Handing | Item No. |
|---------|------------|
| left | 365.30.681 |
| right | 365.30.680 |

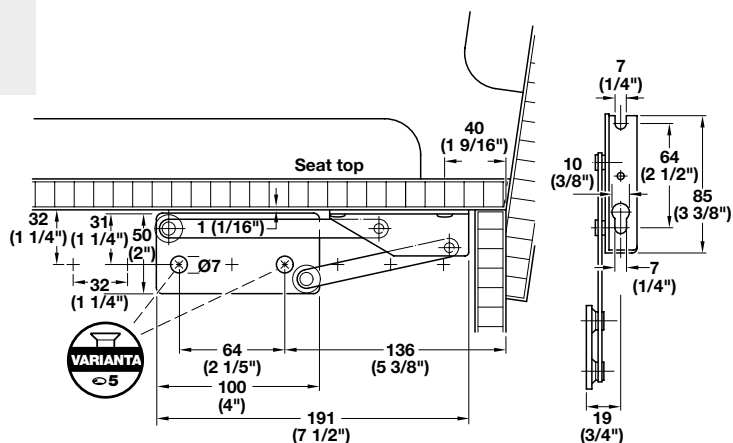
Supplied With
Mounting screws

| Hinge Type | A | B | C | D |
|----------------------|------|----|-----|----|
| Drop Hinge (SDH-001) | 81+S | 91 | 107 | 11 |
| Piano/Butt Hinge | 90 | 99 | 115 | |

Note

"S" dimension is the overlay coverage for drop hinge(s).

- Hinge design ensures safe retention of seat top in raised position at an angle of 95°
- Guarantee approximately 110 mm (4 5/16") of forward movement
- Unrestricted opening even of fully upholstered seats, as a joint is not required between the seat and back
- Hinge joints incorporate a stop to prevent the open seat from slamming against the fitting
- Springs for seat tops weighing 8 and 12 kg (17.6 – 26.4 lbs.) counterbalance the weight of the seat top and assist opening



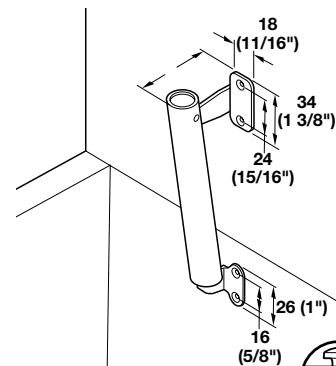
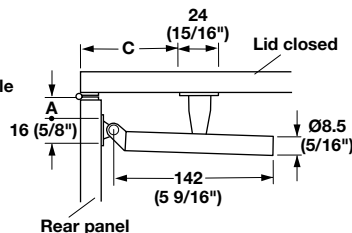
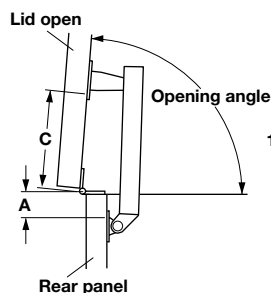
Bench Seat Hinge

- For light-weight seat tops

Material: Steel; Finish: yellow chromated

| Seat top weight | Item No. |
|--------------------------|------------|
| approx. 8 kg (17.6 lbs) | 643.01.515 |
| approx. 12 kg (26.4 lbs) | 643.01.524 |
| without springs | 643.01.506 |

- Unhanded design
- Use on doors or lids for chests
- Maximum opening angle 85°



Lid Stay

Material: Steel, Plastic; Finish/Color: nickel-plated/brown

| Type | Item No. |
|---------------|------------|
| single spring | 372.19.100 |
| double spring | 372.19.110 |

To determine optimum mounting please use the torque calculation chart below. Lid weight (in lbs) x (.5 x depth) = torque (lbs./inch)
Example: A lid that weighs 8.58 lbs. and has a depth of 15". 8.58 (0.5 x 15) = 64.53 lbs./inch. Mount according to the torque calculation chart. Distance A = 25, Distance C = 85, Opening angle = 85°

Torque Calculation Chart

Single Spring type A

| Torque (lbs./inch) | A | C | Opening angle |
|--------------------|--------------|---------------|---------------|
| 35.5 | 13 (1/2") | 97 (3 13/16") | 85° |
| 44.00 | 17 (11/16") | 93 (3 11/16") | 85° |
| 53.00 | 21 (7/8") | 89 (3 1/2") | 85° |
| 62.00 | 25 (1") | 85 (3 3/8") | 85° |
| 71.00 | 27 (1 1/16") | 85 (3 3/8") | 80° |

Sample measurements to compare weight in relation to size. Exact mounting dimensions determined by trial mounting. Chart based on 1 chest hinge.

Double Spring type B

| Torque (lbs./inch) | A | C | Opening angle |
|--------------------|-------------|---------------|---------------|
| 62.00 | 17 (11/16") | 93 (3 11/16") | 85° |
| 79.50 | 21 (7/8") | 89 (3 1/2") | 85° |
| 106.00 | 25 (1") | 85 (3 3/8") | 85° |

Draw Pull Catches

Material: Steel; Color: black

| A | B | Wire clamp Ø | Item No. |
|--------------|--------------|--------------|------------|
| 55 (2 3/16") | 22 (7/8") | 3 | 380.53.306 |
| 75 (3") | 30 (1 3/16") | 4 | 380.53.315 |

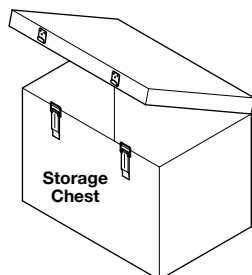
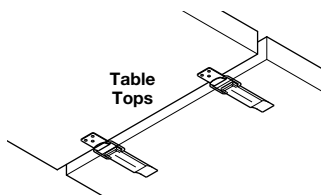
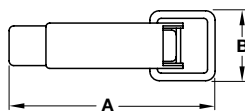
Note

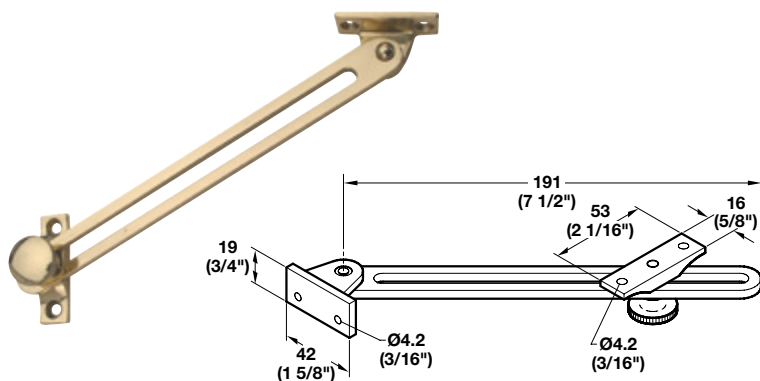
Order strikes separately below

Strikes for Draw Pull Catches

Material: Steel; Color: black

| Length | Width | Thickness | Item No. |
|-------------|-------------|-----------|------------|
| 28 (1 1/8") | 13 (1/2") | 1.3 | 380.65.306 |
| 24 (1") | 18 (11/16") | 2.0 | 380.65.315 |



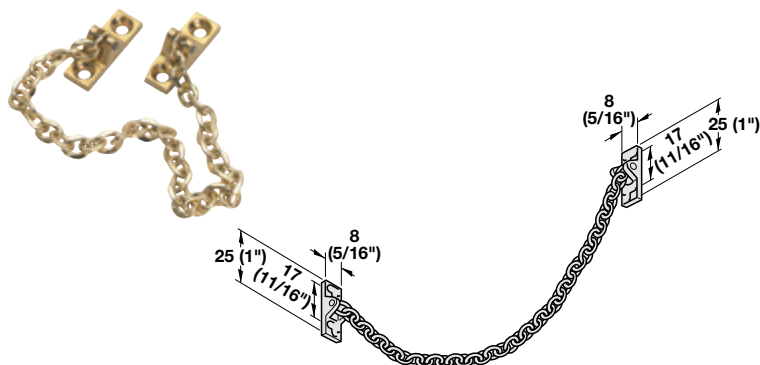


Door Stay

- Thumbscrew adjustment controls door movement

Material: Brass, polished & lacquered

| Item No. |
|------------|
| 805.06.814 |

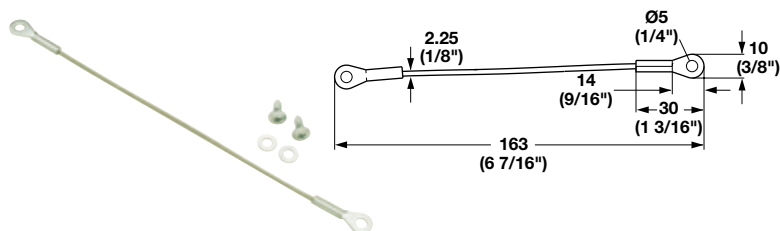
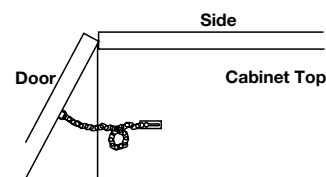


Decorative Door Chain

- Used as door restraint
200 mm (7 7/8'') length

Material: Brass, polished

| Item No. |
|------------|
| 372.35.813 |



Door Restraint

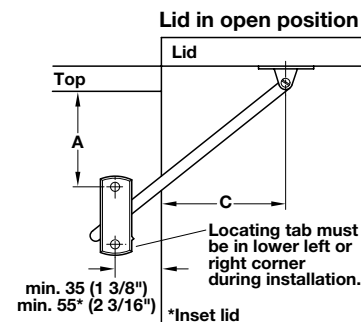
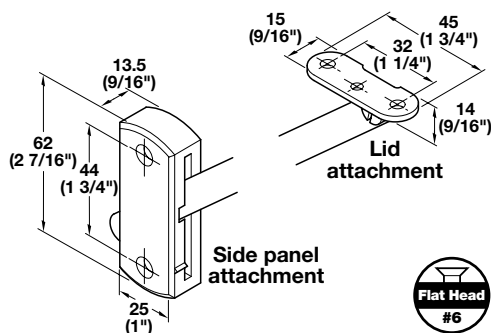
Material: Steel; Finish: zinc-plated
Wire: braided with Plastic (PVC) coating

| Item No. |
|------------|
| 366.74.900 |

Supplied With

Screws
Washers

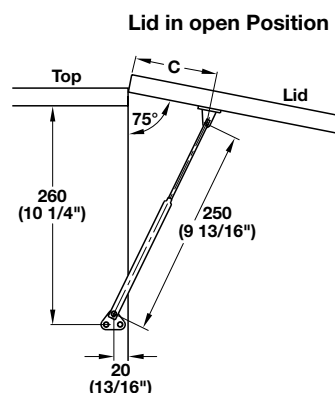
For Wood Doors



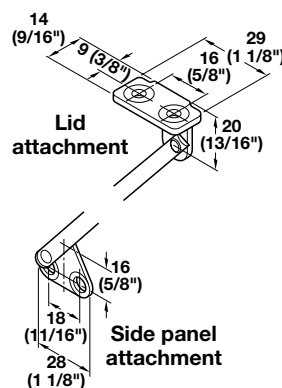
- Without braking effect
- Open flap: lift flap until stay engages
- Close flap: lift flap slightly, stop is released

Material: Steel/Plastic; Finish/Color: nickel-plated/white

| Length | Lid height | Inset lid | Overlay lid | Dimension C | Left | Right |
|----------------|--------------------|--------------|--------------|-----------------------------|------------|------------|
| 200 (7 7/8") | max. 500 (19 5/8") | 90 (3 1/2") | 70 (2 3/4") | Determine by trial mounting | 373.73.710 | 373.73.701 |
| 250 (9 13/16") | over 500 (19 5/8") | 120 (4 3/4") | 120 (4 3/4") | | 373.73.738 | 373.73.729 |



Dual-purpose integrated spring holds lid securely in open or closed position. Use one or two stays, depending on lid weight.



Firmatop Lid Stay

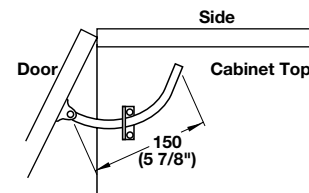
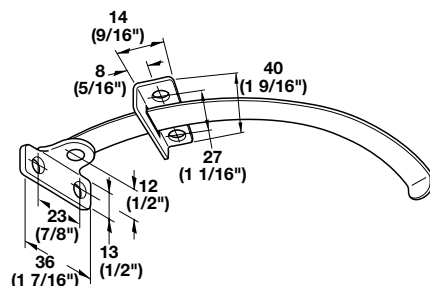
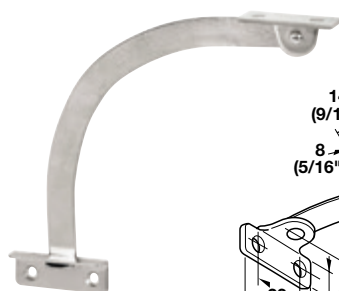
- With internal spring
- Reversible, can be installed left or right

Material: Steel

| Finish | Item No. |
|---------------|------------|
| chrome-plated | 373.58.919 |

Note

Determine Dimension C by trial mounting



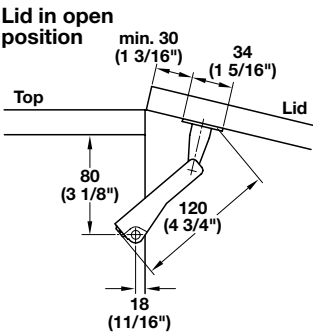
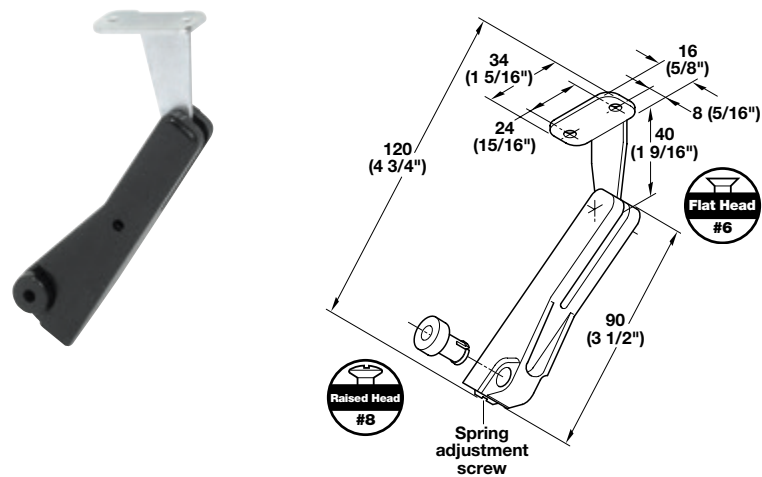
Lid Stay

- Used as door restraint

Material: Steel; Finish: nickel-plated

| Handing | Item No. |
|---------|------------|
| left | 371.32.755 |
| right | 371.32.700 |

Dimensions in mm
Inches are approximate



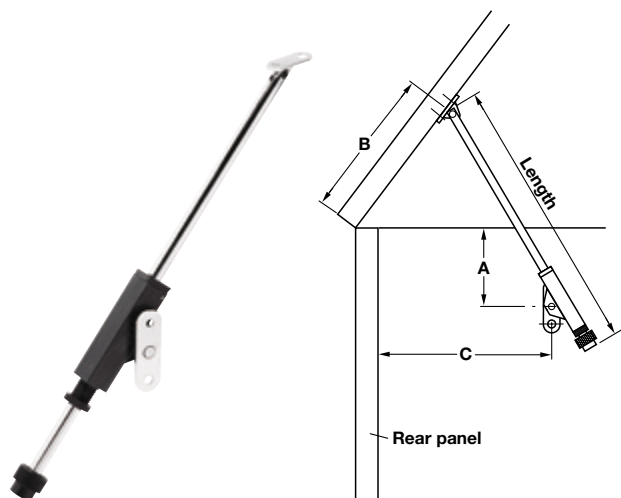
Cara-Top Lid Stay

- For light-duty use with adjustable spring
- Reversible, can be installed left or right
- Metal mounting plate rotates 180° to switch from left to right

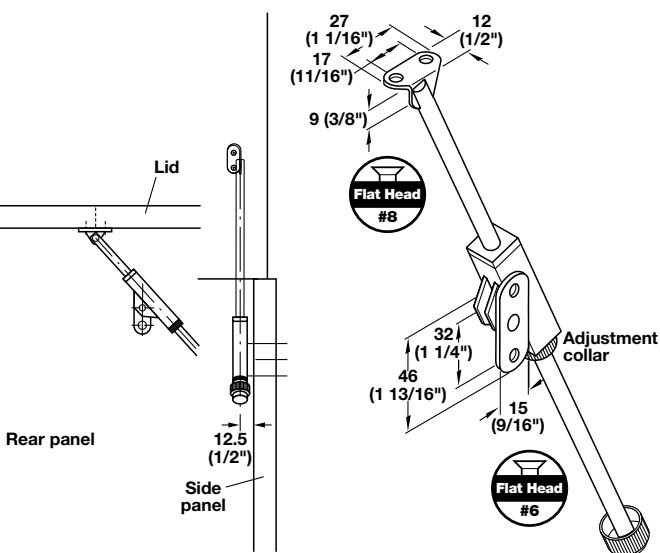
Material: Plastic and Steel

| Color/Finish | Item No. |
|-------------------|------------|
| black/zinc-plated | 373.53.334 |

- Braking action infinitely adjustable using adjustment collar, clockwise to reduce braking action, counterclockwise to increase
- As door is opened, end cap snaps over adjustment collar to lock door in open position



| Length | A | B | C |
|---------------|---|---|---|
| 260 (10 1/4") | Determine by trial mounting depending on lid opening angle. | | |
| 330 (13") | | | |



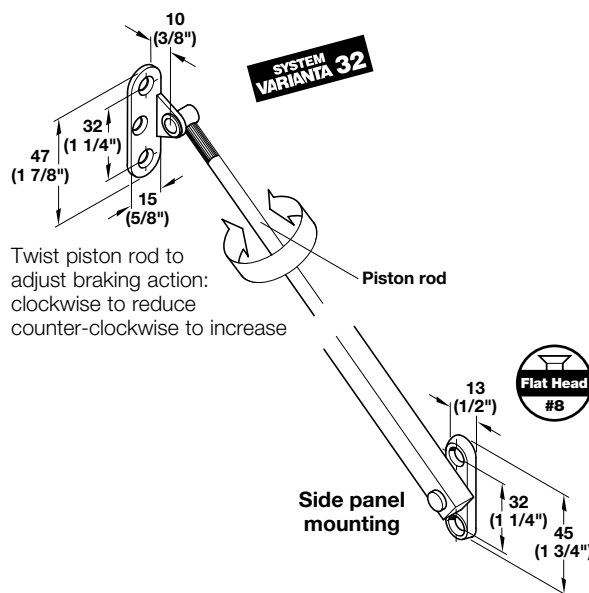
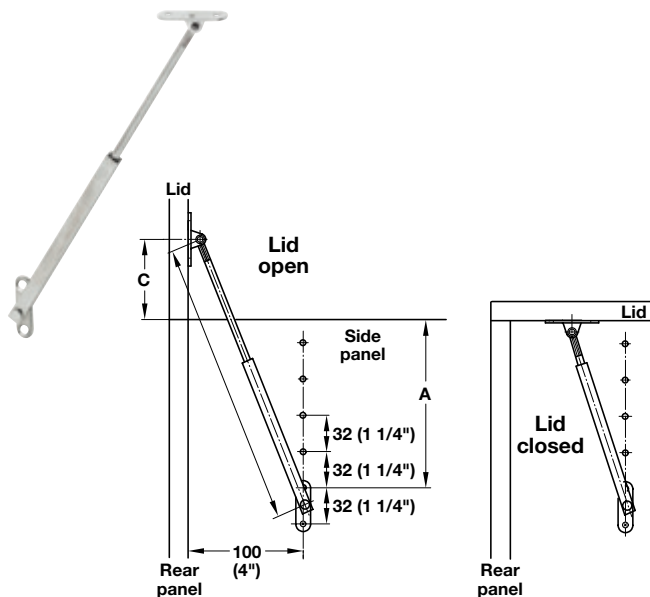
Master-stop Lid Stay with Brake

- Screw-mounted
- Reversible, can be installed left or right

Material: Plastic and Steel; Color/Finish: black/nickel-plated

| Length | Item No. |
|---------------|------------|
| 260 (10 1/4") | 373.74.324 |
| 330 (13") | 373.74.333 |

Keep brake piston rod free of oil, grease and other contaminants at all times.



Fall-ex

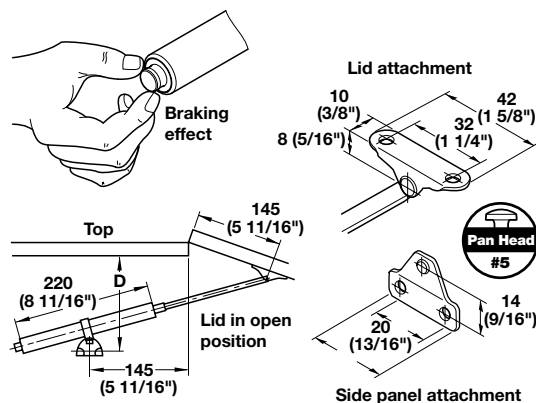
- Reversible, can be installed left or right

Material: Steel; Finish: nickel-plated
Square tube: Brass

| Length | Lid height | Dim. A | Dim. C | Item No. |
|----------------|------------|----------------|--------|------------|
| 250 (9 13/16") | up to 300 | 145 (5 11/16") | Trial | 372.17.253 |
| 330 (13") | up to 450 | 185 (7 5/16") | Trial | 372.17.262 |
| 465 (18 5/16") | over 450 | 255 (10 1/16") | Trial | 372.17.271 |

Dimensions in mm
Inches are approximate

- Trial mounting recommended
- Snaps into a locked position when fully extended
- Speed-adjustable
- Does not support lid during upward movement
- Left and right-handed models available
- Air pressure adjustment at end of cylinder



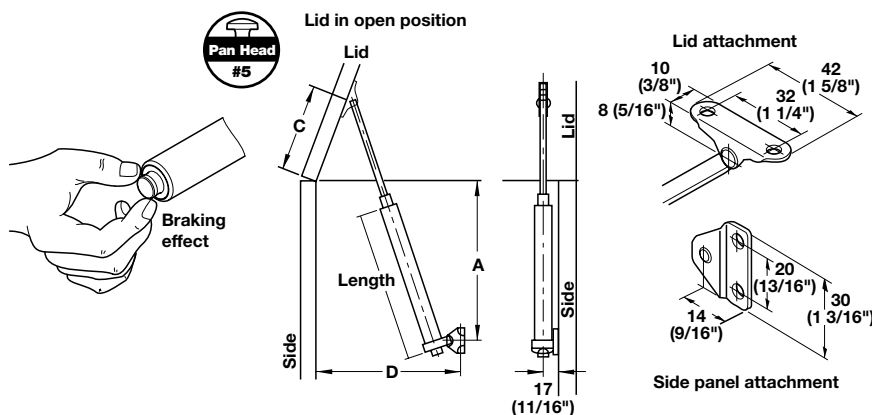
Berolina Lid Stay

- Apply light pressure to close lid
- For vertical lids
- Cabinet depth: min 270

Material: Steel; Finish: nickel-plated

| Handing | Dimension D | Item No. |
|---------|-----------------------------|------------|
| left | Determine by trial mounting | 372.03.795 |
| right | | 372.03.740 |

9



Berolina Lid Stay

- Apply light pressure to close lid
- For horizontal lids

Material: Steel; Finish: nickel-plated

| Length | Cabinet depth | A | C | D | Left | Right |
|----------------|--------------------|----------------|----------------|-----------------------------|------------|------------|
| 180 (7") | min. 230 (9") | 195 (7 11/16") | 100 (4") | Determine by trial mounting | 372.04.783 | 372.04.738 |
| 220 (8 11/16") | min. 270 (10 5/8") | 235 (9 1/4") | 125 (4 15/16") | | 372.04.792 | 372.04.747 |

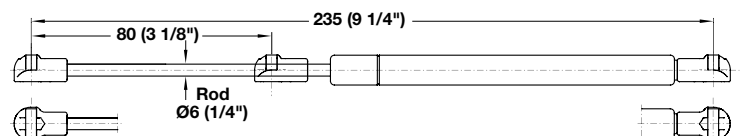
E-Z Open

- For wood or aluminum doors
- Can be used for a face frame application
- Smooth motion and stopping
- Secure holding in open and closed positions
- 110° concealed hinges and mounting plates are required for installation

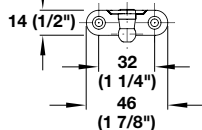


Opening angle: **110°**

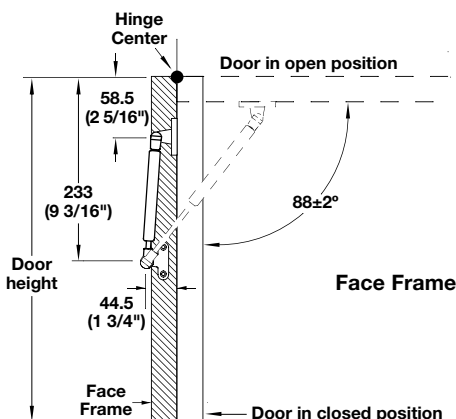
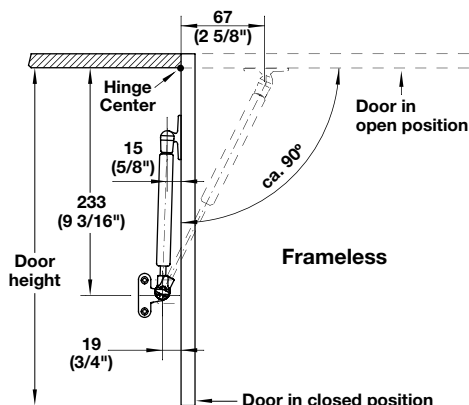
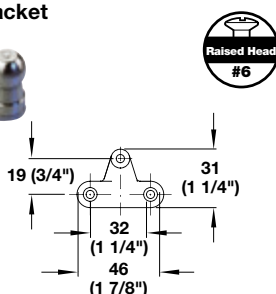
Spring



Door bracket



Cabinet bracket



Lid Stay 100 N (22.5 lbs.)

- For wood doors or aluminum frames of 35 mm (1 3/8") profile width or wider

Material: Steel

| Color | Item No. |
|--------|------------|
| silver | 373.71.901 |

Supplied With

- 2 springs
- 2 cabinet brackets
- 2 door brackets

Lid Stay 150 N (33.7 lbs.)

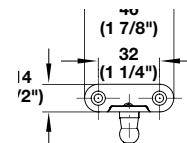
- For wood doors or aluminum frames of 35 mm (1 3/8") profile width or wider

Material: Steel

| Color | Item No. |
|--------|------------|
| silver | 373.71.902 |

Supplied With

- 2 springs
- 2 cabinet brackets
- 2 door brackets



Door Mounting Bracket, optional

- For aluminum frame profiles of less than 35 mm (1 3/8") wide
- Recommended for aluminum frames series 563.00, 563.01, and 563.04

| Item No. |
|------------|
| 373.70.900 |

| Door height | Door weight | | | |
|------------------|---------------------|--------------------------|-----------------------|-------------------------|
| | 2-3 kg. 5-7 lbs. | 3.5-4.5 kg. 8-10 lbs. | 5-6 kg. 11-13 lbs. | 6.5-9 kg. 14-20 lbs. |
| 254-305 (10-12") | 373.71.901 | 373.71.901 | 373.71.901 | 373.71.902 |
| 330-380 (13-15") | 373.71.901 | 373.71.901 | 373.71.901 | - |
| 406-457 (16-18") | 373.71.901 | 373.71.901 | 373.71.902 | - |
| 483-533 (19-21") | 373.71.901 | 373.71.902 | - | - |
| 559-610 (22-24") | 373.71.901 | 373.71.902 | - | - |

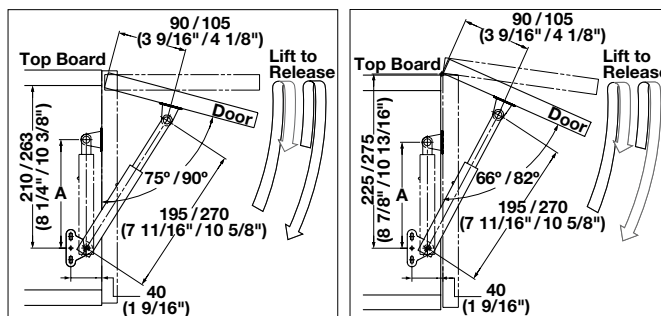
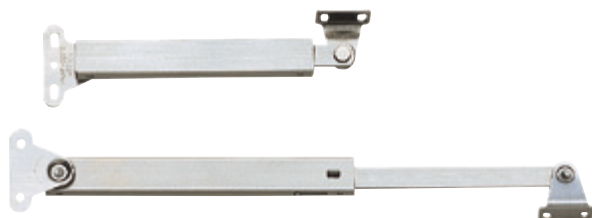
The values indicated are guidelines only. Trial application is recommended. Guidelines are based on two lid stays per door.

Dimensional data not binding. We reserve the right to alter specifications without notice.

Dimensions in mm
Inches are approximate

304 Stainless Steel

- Unhanded
- Only one stay required per lid



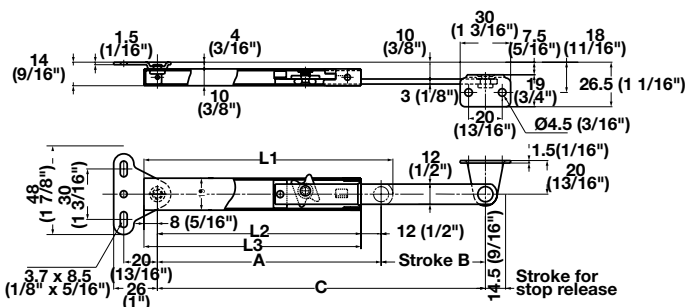
() Dimension...L-270
Max. Opening Degree
L-195: 75°, L-270: 90°

() Dimension...L-270
Max. Opening Degree
L-195: 66°, L-270: 82°

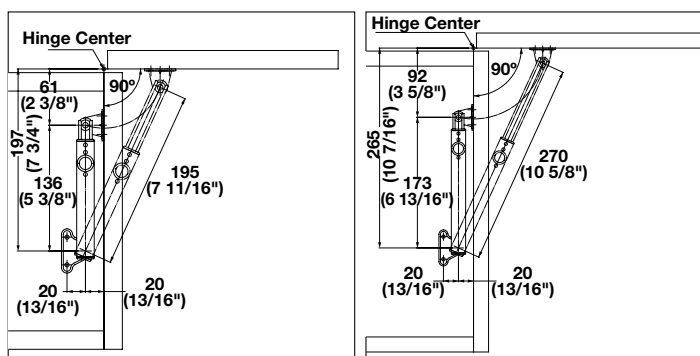
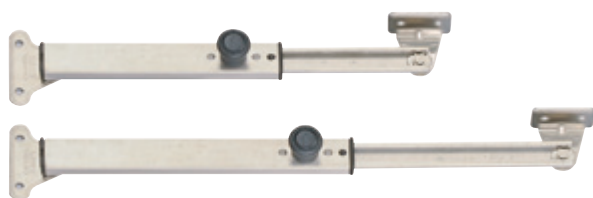


- Holds lid in the open position
- Lift up lid to release
- Max. weight: 15 kg (33 lbs.) / stay

Material: 304 Stainless Steel; Finish: satin



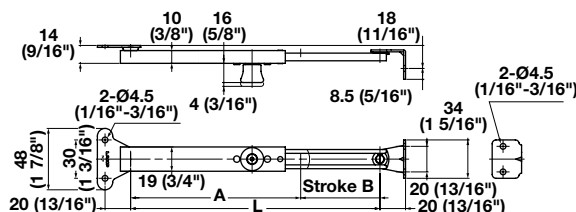
| C | L1 | L2 | L3 | A | B | Door Height | Item No. |
|-------------------|-------------------|-----------------|------------------|-------------------|-------------------|-----------------------------------|------------|
| 195 (7 11/16") | 148 (5 13/16") | 121 (4 3/4") | 129 (5 1/16") | 133 (5 1/4") | 62 (2 7/16") | 250 – 350 (9 13/16 – 13 3/4") | 373.89.000 |
| 270 (10 5/8") | 185 (7 5/16") | 158 (6 1/4") | 166 (6 9/16") | 170 (6 11/16") | 100 (3 15/16") | 320 – 500 (12 5/8 – 19 11/16") | 373.89.001 |



With Lock

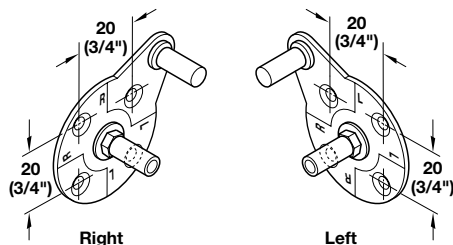
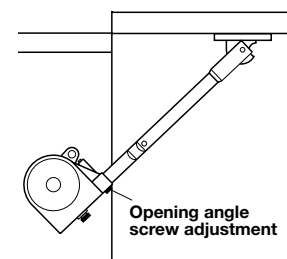
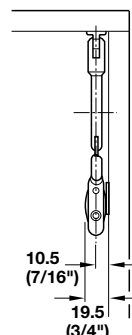
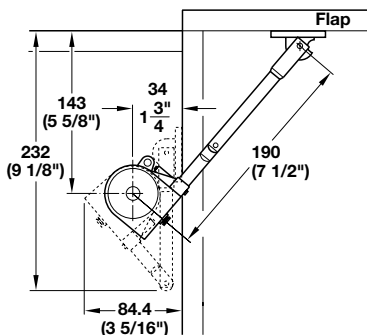
- Mechanically locks lid when fully opened
- Ideal for applications with vibration or movement
- Works well in marine and RV applications
- Max. weight: 30 kg (66 lbs.) / stay

Material: 304 Stainless Steel; Finish: satin

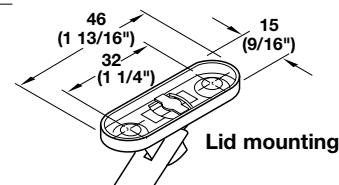


| L | A | B | Item No. |
|----------------|----------------|----------------|------------|
| 195 (7 11/16") | 133 (5 1/4") | 62 (2 7/16") | 373.89.010 |
| 270 (10 5/8") | 170 (6 11/16") | 100 (3 15/16") | 373.89.011 |

Opening angle: **80° - 100°**



Side panel mounting



Lid mounting

soft&silent

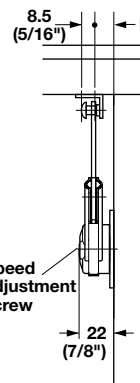
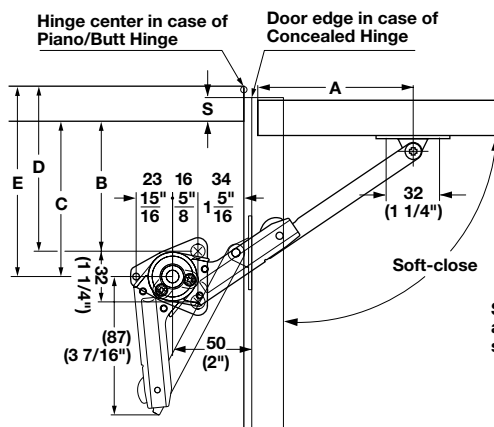
- Lid bracket attachment
- Reversible, can be installed left or right

Material: Plastic and Steel; Finish: nickel-plated

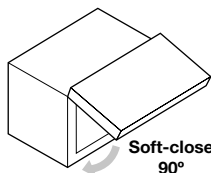
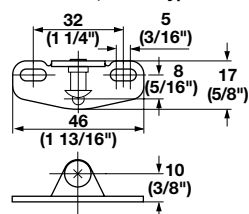
| Color | Item No. |
|-------|------------|
| black | 365.31.300 |
| white | 365.31.700 |

Supplied With
Mounting screws

Opening angle: **90°**



Mounting plate for wood door, screw type



- For upward-opening door with piano, butt, or concealed hinges
- Designed to hold door in fully opened position
- Speed adjustment screw located on the front for easy adjustment
- Torque calculation:
Torque = door height x 1/2 x door weight
Per piece: 20~70 kg/cm (19~60 lbs/inch)
Per pair: 40~140 kg/cm (38~120 lbs/inch)

Material: Steel; Finish: nickel-plated

| Handing | Item No. |
|---------|------------|
| left | 365.31.681 |
| right | 365.31.680 |

Supplied With
Mounting screws

| Opening angle | Hinge Type | A | B | C | D | E | F |
|---------------|------------|------|------|-------|------|-------|----|
| 90° | Concealed | 98 | 97-S | 113-S | - | - | 12 |
| | Piano/butt | 91.5 | - | - | 90.5 | 106.5 | |

Dimensional data not binding. We reserve the right to alter specifications without notice.

Duo Lid/Flap Stay

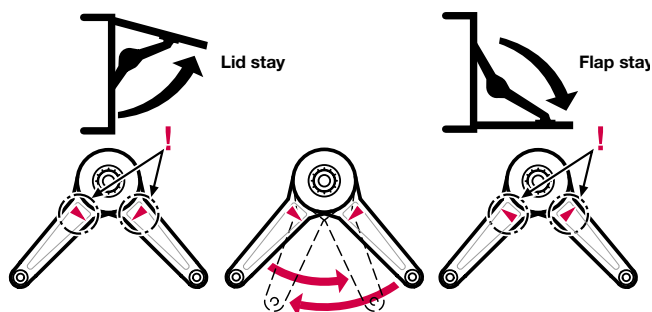
- For doors made of wood, glass or with aluminum frame
- Adjusting the arms (overshear) turns the lid stay into a flap stay
- Less space is required inside the cabinet
- Wear-resistant friction coupling with large adjusting range

Finishes

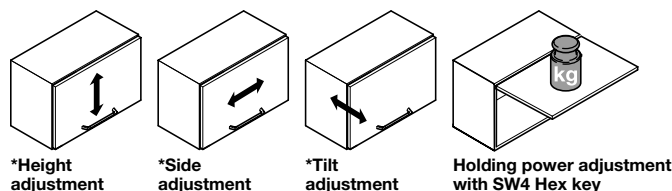
Black, nickel-plated, white or silver



Application



Front adjustment facility



Note

*Depends on the hinges that are installed.

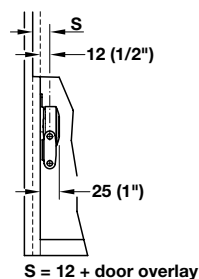


Stronger holding power
= **locking** function
= flap locks in any position
(multi-position stop)

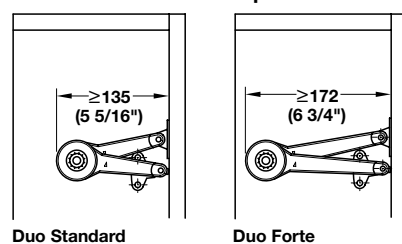
Weaker holding power
= **braking** function
= lid stay closes softly/flap stay
opens gently

9

Lateral space requirement/side distance(s) for screw bracket



Minimum installation depth



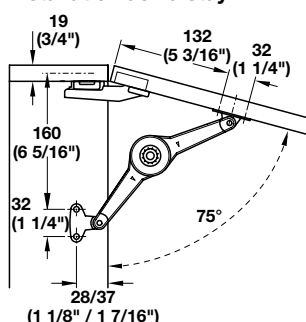
Hex Key, 4 mm

Material: Steel

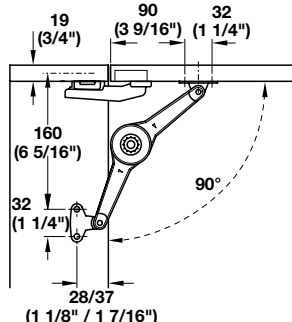
| Finish | Item No. |
|---------------|------------|
| nickel-plated | 008.28.044 |



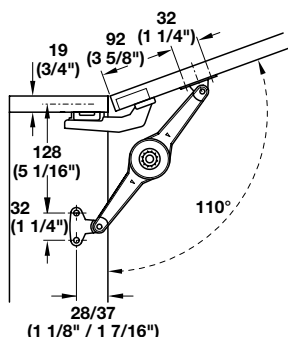
Installation as lid stay



Opening angle 75°

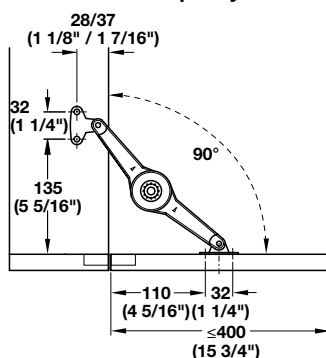


Opening angle 90°

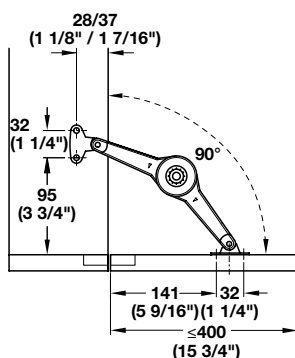


Opening angle 110°

Installation as flap stay



Separate catch required



No separate catch required
Space requirement for fitting
inside the cabinet when the door
is being closed: 130 mm (5 1/8\")
from front edge of cabinet

Duo Standard Complete Set

- For doors made of wood or with aluminum frame
- From frame width: 45 mm (1 3/4\")
- Edge distance: 37 mm (1 7/16\")

| Installation | Nickel-plated | White | Black |
|--------------|---------------|------------|------------|
| wood screws | 373.66.612 | 373.66.262 | 373.66.212 |
| euro screws | 373.66.614 | 373.66.264 | 373.66.214 |

- For doors with aluminum frame
- From frame width: 20 mm (13/16\")
- Edge distance: 37 mm (1 7/16\")

| Installation | Nickel-plated | White | Black |
|--------------------|---------------|------------|------------|
| sheet metal screws | 373.66.622 | 373.66.272 | 373.66.222 |

Supplied With

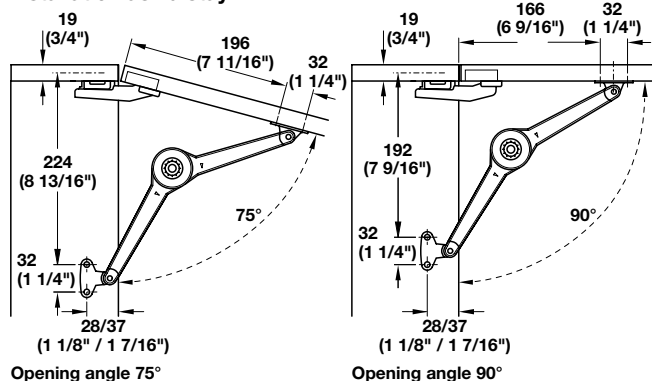
Lid stay
Mounting bracket for cabinet
Screw-on bracket for flap

Sample measurements table for max. flap weight Always use two fittings when used as flap stay

| Flap height | max. flap weight lbs. | | | |
|------------------------|-----------------------|-----------|------------------|-----------|
| | Stopping function | | Braking function | |
| | 1 Stay | 2 Stays | 1 Stay | 2 Stays |
| For opening angle 75° | | | | |
| 8" | 19.8 lbs. | 33 lbs. | 25.3 lbs. | 33 lbs. |
| 10" | 15.4 lbs. | 33 lbs. | 19.8 lbs. | 33 lbs. |
| 12" | 13.2 lbs. | 26.4 lbs. | 16.5 lbs. | 33 lbs. |
| 14" | 11 lbs. | 22 lbs. | 14.3 lbs. | 28.6 lbs. |
| 16" | 9.9 lbs. | 19.8 lbs. | 13.2 lbs. | 25.3 lbs. |
| 18" | 8.8 lbs. | 17.6 lbs. | 11 lbs. | 22 lbs. |
| 20" | 7.7 lbs. | 15.4 lbs. | 9.9 lbs. | 19.8 lbs. |
| For opening angle 90° | | | | |
| 18" | 7.7 lbs. | 14.3 lbs. | 9.9 lbs. | 18.7 lbs. |
| 20" | 6.6 lbs. | 13.2 lbs. | 8.8 lbs. | 16.5 lbs. |
| For opening angle 110° | | | | |
| 8" | 13.2 lbs. | 26.4 lbs. | 17.6 lbs. | 33 lbs. |
| 10" | 11 lbs. | 20.9 lbs. | 13.2 lbs. | 26.4 lbs. |
| 12" | 8.8 lbs. | 17.6 lbs. | 11 lbs. | 22 lbs. |
| 14" | 7.7 lbs. | 15.4 lbs. | 8.8 lbs. | 19.8 lbs. |
| 16" | 6.6 lbs. | 13.2 lbs. | 8.8 lbs. | 16.5 lbs. |
| 18" | 5.5 lbs. | 12.1 lbs. | 7.7 lbs. | 15.4 lbs. |
| 20" | 4.4 lbs. | 11 lbs. | 6.6 lbs. | 13.2 lbs. |
| For opening angle 90° | | | | |
| 8" | 16.5 lbs. | 33 lbs. | 20.9 lbs. | 33 lbs. |
| 10" | 13.2 lbs. | 26.4 lbs. | 16.5 lbs. | 33 lbs. |
| 12" | 11 lbs. | 22 lbs. | 13.2 lbs. | 28.6 lbs. |
| 14" | 8.8 lbs. | 18.7 lbs. | 12.1 lbs. | 24.2 lbs. |
| 16" | 7.7 lbs. | 15.4 lbs. | 11 lbs. | 22 lbs. |

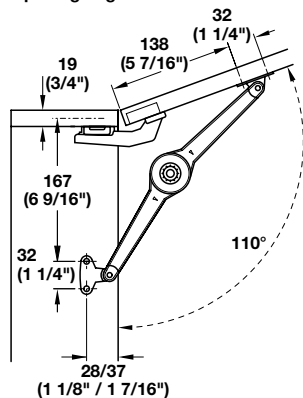


Installation as lid stay



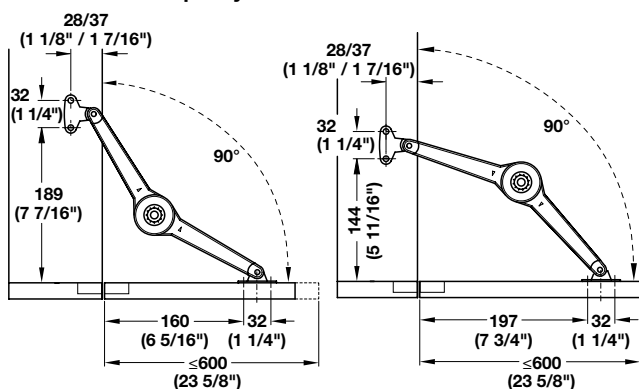
Opening angle 75°

Opening angle 90°



Opening angle 110°

Installation as flap stay



Separate catch required

No separate catch required
Space requirement for fitting inside the cabinet when the door is being closed: 175 mm (6 7/8") from front edge of cabinet

Duo Forte Complete Set

- For doors made of wood or with aluminum frame
- From frame width: 45 mm (1 3/4")
- Edge distance: 37 mm (1 7/16")

| Installation | Nickel-plated | White | Black |
|--------------|---------------|------------|------------|
| wood screws | 373.66.632 | 373.66.372 | 373.66.312 |
| euro screws | 373.66.634 | 373.66.374 | 373.66.314 |

- For doors with aluminum frame
- From frame width: 20 mm (13/16")
- Edge distance: 37 mm (1 7/16")

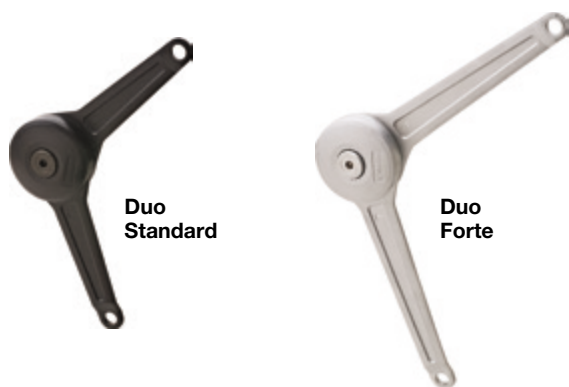
| Installation | Nickel-plated | White | Black |
|--------------------|---------------|------------|------------|
| sheet metal screws | 373.66.642 | 373.66.376 | 373.66.322 |

Supplied With

Lid stay
Mounting bracket for cabinet
Screw-on bracket for flap

Sample measurements table for max. door weight Always use two fittings when used as flap stay

| Flap height | max. flap weight lbs. | | | |
|--|-----------------------|-----------|------------------|-----------|
| | Stopping function | | Braking function | |
| | 1 Stay | 2 Stays | 1 Stay | 2 Stays |
| For opening angle 75° | | | | |
| 8" | 30.8 lbs. | 33 lbs. | 33 lbs. | 33 lbs. |
| 10" | 25.3 lbs. | 33 lbs. | 33 lbs. | 33 lbs. |
| 12" | 19.8 lbs. | 33 lbs. | 26.4 lbs. | 33 lbs. |
| 14" | 17.6 lbs. | 33 lbs. | 24.2 lbs. | 33 lbs. |
| 16" | 15.4 lbs. | 30.8 lbs. | 19.8 lbs. | 33 lbs. |
| 18" | 13.2 lbs. | 27.5 lbs. | 17.6 lbs. | 33 lbs. |
| 20" | 12.1 lbs. | 24.2 lbs. | 15.4 lbs. | 33 lbs. |
| 22" | 11 lbs. | 22 lbs. | 14.3 lbs. | 28.6 lbs. |
| 24" | 11 lbs. | 20.9 lbs. | 13.2 lbs. | 26.4 lbs. |
| 26" | 8.8 lbs. | 18.7 lbs. | 12.1 lbs. | 24.2 lbs. |
| 28" | 8.8 lbs. | 17.6 lbs. | 11 lbs. | 23.1 lbs. |
| For opening angle 90° – See 90° Flap Stay for 8" – 24" | | | | |
| 26" | 7.7 lbs. | 15.4 lbs. | 11 lbs. | 20.9 lbs. |
| 28" | 6.6 lbs. | 15.4 lbs. | 8.8 lbs. | 19.8 lbs. |
| For opening angle 110° | | | | |
| 8" | 20.9 lbs. | 33 lbs. | 27.5 lbs. | 33 lbs. |
| 10" | 16.5 lbs. | 33 lbs. | 22 lbs. | 33 lbs. |
| 12" | 14.3 lbs. | 27.5 lbs. | 17.6 lbs. | 33 lbs. |
| 14" | 12.1 lbs. | 24.2 lbs. | 15.4 lbs. | 30.8 lbs. |
| 16" | 9.9 lbs. | 20.9 lbs. | 13.2 lbs. | 27.5 lbs. |
| 18" | 8.8 lbs. | 18.7 lbs. | 12.1 lbs. | 24.2 lbs. |
| 20" | 8.8 lbs. | 16.5 lbs. | 11 lbs. | 22 lbs. |
| 22" | 7.7 lbs. | 15.4 lbs. | 8.8 lbs. | 19.8 lbs. |
| 24" | 6.6 lbs. | 13.2 lbs. | 8.8 lbs. | 17.6 lbs. |
| 26" | 6.6 lbs. | 12.1 lbs. | 8.8 lbs. | 16.5 lbs. |
| 28" | 6.6 lbs. | 11 lbs. | 7.7 lbs. | 15.4 lbs. |
| For opening angle 90° as a Flap Stay | | | | |
| 8" | 27.5 lbs. | 33 lbs. | 33 lbs. | 33 lbs. |
| 10" | 20.9 lbs. | 33 lbs. | 24.4 lbs. | 33 lbs. |
| 12" | 17.6 lbs. | 33 lbs. | 22 lbs. | 33 lbs. |
| 14" | 15.4 lbs. | 29.7 lbs. | 19.8 lbs. | 33 lbs. |
| 16" | 13.2 lbs. | 26.4 lbs. | 17.6 lbs. | 33 lbs. |
| 18" | 11 lbs. | 24.8 lbs. | 15.4 lbs. | 30.8 lbs. |
| 20" | 11 lbs. | 20.9 lbs. | 13.2 lbs. | 26.4 lbs. |
| 22" | 8.8 lbs. | 18.7 lbs. | 12.1 lbs. | 24.2 lbs. |
| 24" | 8.8 lbs. | 17.6 lbs. | 11 lbs. | 22 lbs. |



Duo Standard/Duo Forte Individual Fitting

- For left and right hand use
- Without tools (clip-on system) onto pre-mounted mounting bracket
- Adjustment facility: Holding power

Material: zinc alloy

| Model Series | Nickel-plated | White | Black | Silver |
|--------------|---------------|------------|------------|------------|
| standard | 373.66.500 | 373.66.250 | 373.66.200 | 373.66.800 |
| forte | 373.66.700 | 373.66.350 | 373.66.300 | 373.66.900 |

Supplied With

Lid stay
Mounting instructions

Note

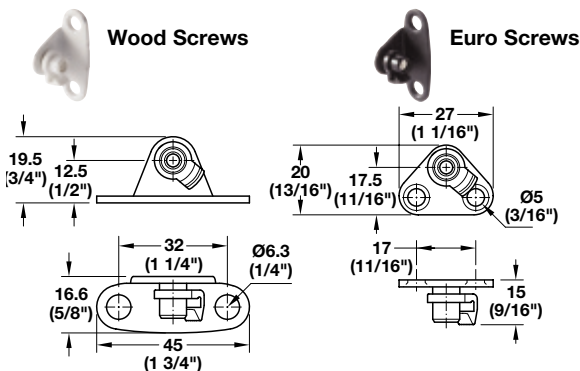
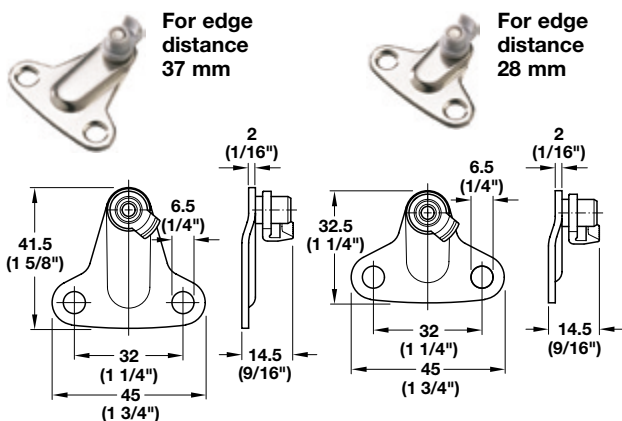
Mounting brackets and screw-on bracket are not supplied.
Please order separately.

Mounting Bracket for Cabinet

- For mounting the lid stay to the cabinet

Material: steel

| For edge distance (cabinet) | Nickel-plated | White | Black | Silver |
|-----------------------------|---------------|------------|------------|------------|
| 28 (1 1/8") | 373.66.693 | 373.66.395 | 373.66.393 | 373.66.993 |
| 37 (1 1/2") | 373.66.694 | 373.66.396 | 373.66.394 | 373.66.994 |



Screw-on Bracket for Door

- For mounting the lid stay to the door
- For doors made of wood or with aluminum frame
- From frame width: 45 mm (1 3/4")

Material: steel

| Installation | Nickel-plated | White | Black | Silver |
|--------------|---------------|------------|------------|------------|
| wood screws | 373.66.681 | 373.66.384 | 373.66.381 | 373.66.981 |
| euro screws | 373.66.036 | 373.66.386 | 373.66.383 | — |

- For doors with aluminum frame
- From frame width: 20 mm (13/16")

| Installation | Nickel-plated | White | Black | Silver |
|--------------------|---------------|------------|------------|------------|
| sheet metal screws | 373.66.682 | 373.66.385 | 373.66.382 | 373.66.982 |

Glass Gluing Adapter for Glass Fronts

- For using the screw-on brackets with wood or wide aluminum frames on glass or mirror doors
- For glue fixing (UV glass adhesive bonds)

Material: Stainless steel, brushed

| Item No. |
|------------|
| 373.69.780 |

Special Door Mounting Bracket

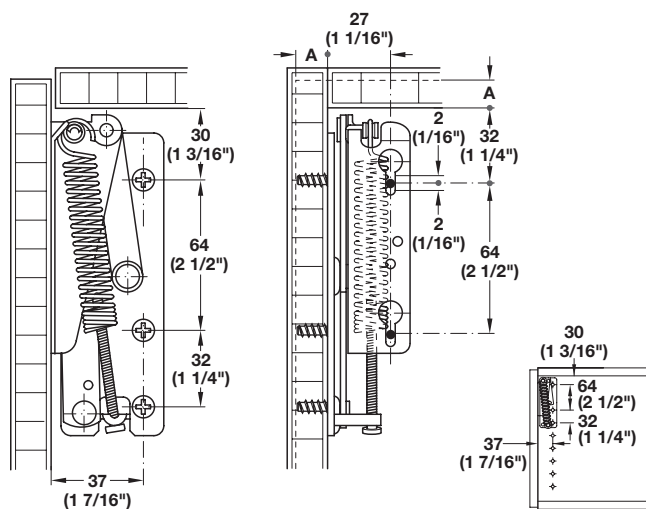
- For use with a face frame overlay 5-piece door

Material: Steel

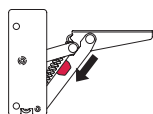
| Finish | Item No. |
|---------------|------------|
| nickel-plated | 373.66.685 |

Dimensions in mm
Inches are approximate

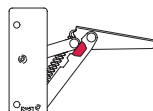
- Doors swing up automatically when lifted and are securely held open
- Self operating from 17°
- The spring action holds doors tight when closed
- Adjustable



Adjustable opening angle



Opening angle 90°



Opening angle 75°

Swingtop II for Wood Doors

Material: Steel, epoxy-coated; Color: white

Spring: Steel

Stop: Plastic; Color: white

| Version | Handing | Item No. |
|------------------------|-----------|------------|
| with adjustable spring | left | 372.49.701 |
| | right | 372.49.700 |
| without spring | left only | 372.49.790 |

Heavy Duty Maxi

- For doors made of wood, glass or with aluminum frame
- All common applications for doors and openings can be achieved by changing mounting position and combining Maxi with the appropriate accessories
- Applications include fronts with and without handle, aluminum frame and all-glass fronts, automatic opening to the end position, multi-position stop and easy opening of heavy fronts
- Can be used on one or both sides depending on the size of the door
- Holding power can be adjusted individually to respective flap weight

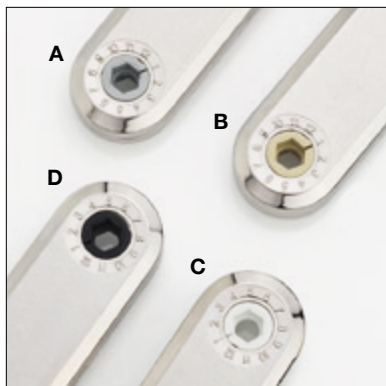
Finishes

Black, nickel-plated or white

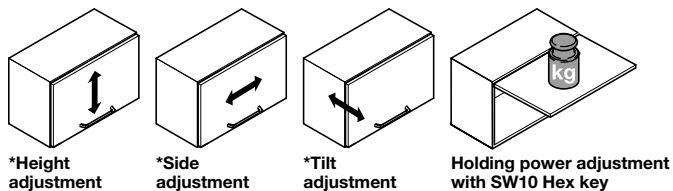


Overview of finish designation

(Adjusting screw) for differentiating the models "A", "B", "C" and "D"



Front adjustment facility



Note

*Depends on the hinges that are installed.

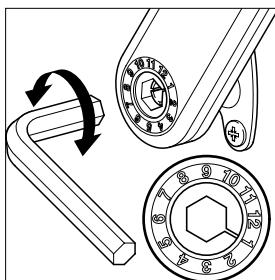
Hex Key, 10 mm

Material: Steel

| Finish | Item No. |
|---------------|------------|
| nickel-plated | 008.28.100 |

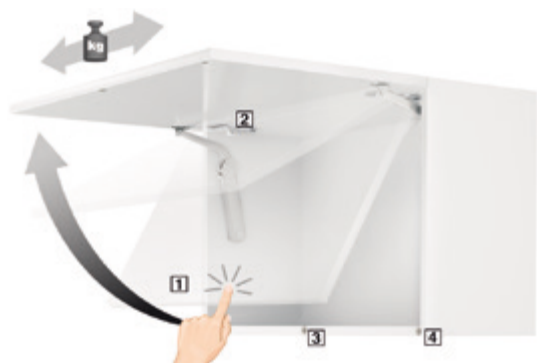
Note

Use numbers 1 – 8 for adjusting the holding power.
Use numbers 9 – 12 to re-adjust door after a certain time (if necessary).



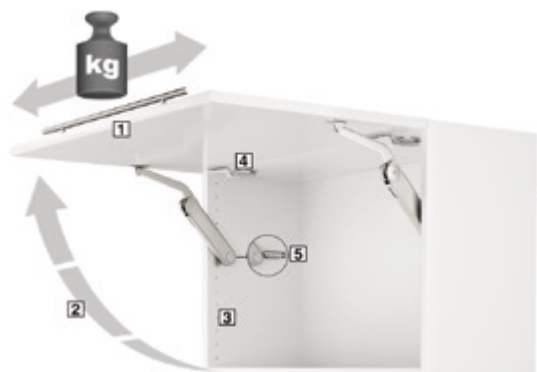
Maxi - Applications

- For handle-free doors



Maxi - Applications

- For doors with handle



Dimensions in mm
Inches are approximate

Push-To-Open for Automatic Complete Opening

- 1 Slight pressure on the front opens the door completely to the end position
- 2 Application in combination with Salice Push concealed hinges
- 3 Door is held closed by magnetic door catch and counter plate on the front panel
- 4 Additional magnets for holding the door closed (optional)

| | |
|----------------------|------------|
| Application | Page 9.121 |
| Fitting | Page 9.127 |
| Accessories for Push | Page 9.125 |

Touch-To-Open for Opening the Door Slightly and with Multi-Position Stop

- 1 Slight pressure on the front opens the door slightly, then it can be opened and closed completely by hand. The front is locked reliably in any position.
- 2 Application in combination with Salice Push concealed hinges
- 3 Door is held closed by magnetic door catch and counter plate on the front panel
- 4 Additional magnets for holding the door closed (optional)

| | |
|----------------------|------------|
| Application | Page 9.122 |
| Fitting | Page 9.127 |
| Accessories for Push | Page 9.125 |

For Power-Assisted Opening of the Door

- 1 For wide and heavy doors with handle
- 2 Door locks reliably in any position
- 3 Less manual force needed to open the door
- 4 Application in combination with concealed hinges with or without automatic closing
- 5 Optional soft closing mechanism available (recommended)

| | |
|------------------------------------|------------|
| Application | Page 9.123 |
| Fitting | Page 9.127 |
| Accessories/Soft closing mechanism | Page 9.126 |

For Particularly Wide and Heavy Doors

- 1 For particularly wide and heavy doors with handle
- 2 Door locks reliably in any position
- 3 Mounting in series drilled holes 32 mm (1 1/4")
Edge distance: 37 or 28 mm (1 7/16" or 1 1/8")
- 4 Application in combination with concealed hinges with or without automatic closing
- 5 Optional soft closing mechanism available (recommended)

| | |
|------------------------------------|------------|
| Application | Page 9.124 |
| Fitting | Page 9.127 |
| Accessories/Soft closing mechanism | Page 9.126 |

Maxi - Applications

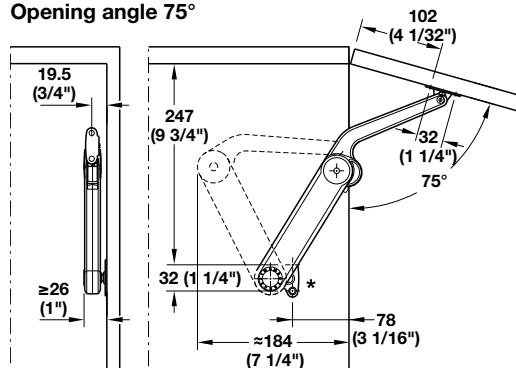
Push-to-open for Automatic Complete Opening

Note

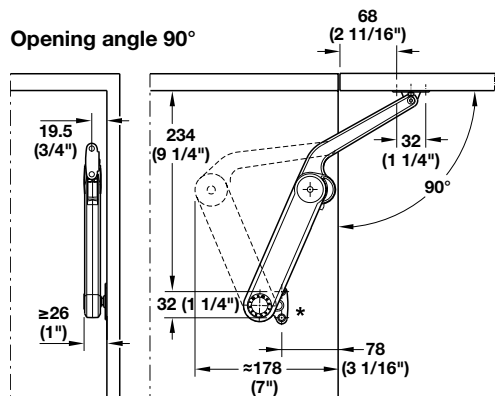
The following dimensions and sample measurement tables must be strictly observed for this kind of application. Two Maxi fittings must be installed for door widths from 600 mm (24") and above. The weight specification applies to one Maxi fitting. When using two Maxi fittings the door weight values double. Application in combination with Salice Push concealed hinges and magnetic door catches. For secure closing of the door use 1x Push magnetic door catch (356.06.401) and (in a certain distance) an additional magnet (356.06.441) each.



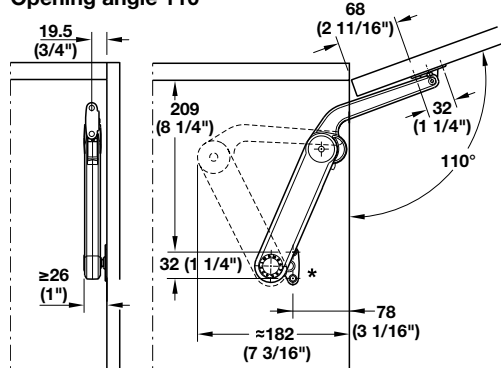
Opening angle 75°



Opening angle 90°



Opening angle 110°



***Dimensions for Maxi with mounting bracket
for 37 mm (1 7/16") edge distance**

| | |
|--------------------------------------|------------|
| Information | page 9.119 |
| Maxi complete set/individual fitting | page 9.127 |
| Accessories for Push | page 9.125 |

| Door height | Door weight lbs. | | | |
|------------------------|------------------|------------|-------------|-------------|
| | Model A | Model B | Model C | Model D |
| For opening angle 75° | | | | |
| 12" | 5.2 - 7.2 | 9.9 - 14.9 | 12.1 - 20.9 | 18.9 - 25.9 |
| 16" | 3.7 - 5 | 7.9 - 11.6 | 10.1 - 16.9 | 13.2 - 22.2 |
| 20" | - | 5.9 - 10.3 | 9.4 - 15.4 | 12.7 - 20.2 |
| 24" | - | 4.6 - 7.2 | 6.3 - 11.2 | 8.5 - 14.5 |
| 28" | - | 4.6 - 6.6 | 5.7 - 9.9 | 7.4 - 12.7 |
| 32" | - | - | 5.5 - 9.2 | 7.2 - 12.1 |
| 36" | - | - | 4.6 - 8.1 | 6.1 - 10.5 |
| 40" | - | - | 4.4 - 7.4 | 5.9 - 9.6 |
| For opening angle 90° | | | | |
| 12" | 3.7 - 5.2 | 6.8 - 10.1 | 8.3 - 15.4 | 12.7 - 21.5 |
| 16" | - | 5.2 - 8.1 | 6.8 - 12.1 | 9.2 - 15.6 |
| 20" | - | 3.5 - 6.3 | 5.7 - 9.9 | 7.4 - 12.7 |
| 24" | - | 3.3 - 5.2 | 4.6 - 7.9 | 6.3 - 10.5 |
| 28" | - | 2.6 - 4.6 | 3.3 - 7 | 5.5 - 8.8 |
| 32" | - | - | 2.8 - 6.3 | 4.8 - 8.3 |
| 36" | - | - | 2.4 - 5.7 | 4.1 - 7.2 |
| 40" | - | - | - | 3.5 - 6.6 |
| For opening angle 110° | | | | |
| 12" | - | 5.9 - 8.8 | 7.7 - 13.4 | 11.2 - 17.1 |
| 16" | - | 3.9 - 6.6 | 5.9 - 10.1 | 7.4 - 11 |
| 20" | - | 3.7 - 5.2 | 5 - 8.1 | 6.6 - 10.7 |
| 24" | - | 3 - 4.6 | 3.9 - 6.8 | 5.5 - 9.2 |
| 28" | - | - | 3.5 - 5.9 | 4.8 - 7.7 |
| 32" | - | - | - | 3.9 - 6.8 |
| 36" | - | - | - | 3 - 6.3 |
| 40" | - | - | - | 2.6 - 5.7 |

Maxi - Applications

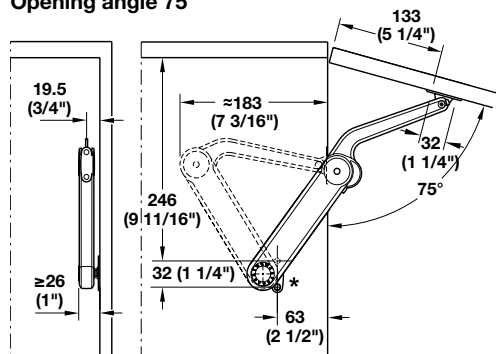
Touch-to-open For Opening the Door Slightly and With Multi-Position Stop

Note

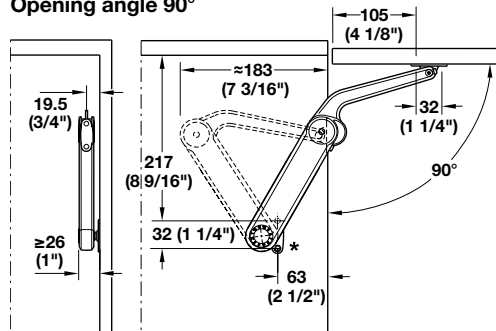
The following dimensions and sample measurement tables must be strictly observed for this kind of application. Two Maxi fittings must be installed for door widths from 600 mm (24") and above. The weight specification applies to one Maxi fitting. When using two Maxi fittings the door weight values double. Application in combination with Salice Push hinges and magnetic door catches.



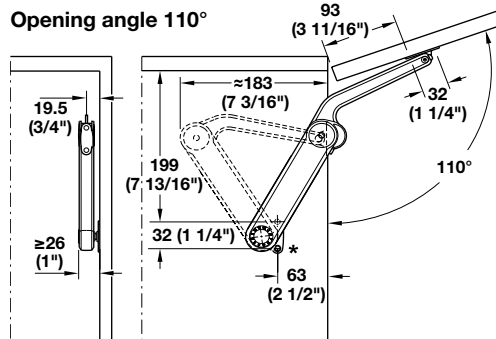
Opening angle 75°



Opening angle 90°



Opening angle 110°



*Dimensions for Maxi with mounting bracket for 37 mm (1 7/16") edge distance

| Door height | Door weight lbs. | | | |
|------------------------|------------------|------------|-------------|-------------|
| | Model A | Model B | Model C | Model D |
| For opening angle 75° | | | | |
| 12" | 4.4 - 8.4 | 8.8 - 17 | 15.4 - 30.8 | - |
| 16" | 3.5 - 6.8 | 6.6 - 13.9 | 11 - 25.3 | 15.4 - 27.5 |
| 20" | 2.9 - 5.5 | 5.9 - 11.4 | 10.3 - 18.5 | 12.1 - 23.1 |
| 24" | - | 5.3 - 9.9 | 9.5 - 17.2 | 10.3 - 18.5 |
| 28" | - | 4.8 - 8.8 | 8.8 - 16.5 | 9.5 - 17.6 |
| 32" | - | - | 7.9 - 13.6 | 8.6 - 16.1 |
| 36" | - | - | 7.5 - 12.8 | 7.7 - 14.7 |
| For opening angle 90° | | | | |
| 12" | 4.4 - 7.7 | 7.3 - 14.8 | 13.6 - 22.7 | 17.1 - 30 |
| 16" | 3.3 - 5.7 | 5.5 - 11 | 12.1 - 17.1 | 12.8 - 22.4 |
| 20" | 2.6 - 4.6 | 4.4 - 8.8 | 7.9 - 13.9 | 10.3 - 18 |
| 24" | 2.2 - 4 | 3.7 - 7.3 | 6.6 - 11.4 | 8.6 - 15 |
| 28" | 2 - 3.1 | 3.1 - 5.9 | 5.5 - 9.5 | 7 - 12.6 |
| 32" | 1.5 - 2.9 | 2.6 - 5.7 | 4.8 - 8.6 | 6.4 - 11.2 |
| 36" | 1.5 - 2.6 | 2.4 - 4.8 | 4.4 - 7.5 | 5.7 - 9.9 |
| 40" | 1.3 - 2.2 | 2.2 - 4.4 | 4 - 6.8 | 5.2 - 9 |
| For opening angle 110° | | | | |
| 12" | 2.6 - 6.4 | 5.7 - 12.1 | 10.1 - 21 | - |
| 16" | 2 - 4.8 | 4.4 - 9.7 | 8.4 - 15.4 | 10.1 - 19.1 |
| 20" | 1.5 - 4 | 3.7 - 7.5 | 6.8 - 12.8 | 8.1 - 14.3 |
| 24" | - | 3.1 - 6.6 | 5.7 - 10.3 | 6.8 - 12.8 |
| 28" | - | - | 5.1 - 9 | 6.2 - 9.9 |
| 32" | - | - | 4 - 6.8 | 5.3 - 9 |
| 36" | - | - | - | 4.6 - 8.6 |
| 40" | - | - | - | 4 - 8.1 |

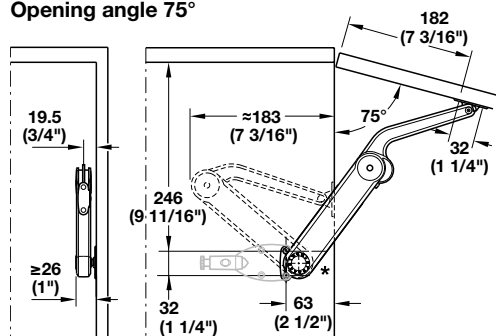
Maxi - Application With Handle For Power-assisted Opening of the Door

Note

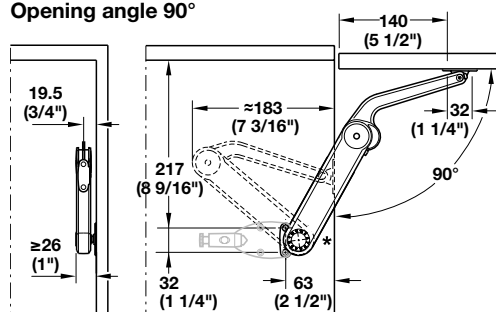
The following dimensions and sample measurement tables must be strictly observed for this kind of application. Two Maxi fittings must be installed for door widths from 600 mm (24") and above. The weight specification applies to one Maxi fitting. When using two Maxi fittings the door weight values double. Application in combination with concealed hinges with or without self closing.



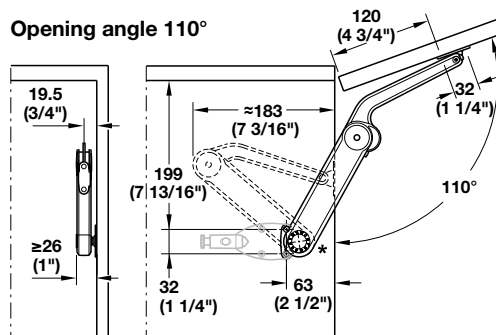
Opening angle 75°



Opening angle 90°



Opening angle 110°



*Dimensions for Maxi with mounting bracket
for 37 mm (1 7/16") edge distance

| Door height | Door weight lbs. | | | |
|------------------------|------------------|------------|-------------|-------------|
| | Model A | Model B | Model C | Model D |
| For opening angle 75° | | | | |
| 16" | 4.9 - 8.8 | 9.5 - 18 | 15.6 - 30.8 | - |
| 20" | 4 - 7.1 | 7.5 - 15.4 | 14.1 - 25.3 | 15 - 29.5 |
| 24" | 3.5 - 6.6 | 6.4 - 12.1 | 11.2 - 22 | 14.1 - 24.6 |
| 28" | 3.1 - 6.2 | 5.7 - 11.2 | 10.8 - 20 | 11.7 - 22.4 |
| 32" | - | 5.3 - 10.1 | 8.8 - 16.3 | 10.8 - 19.8 |
| 36" | - | 4.8 - 9.7 | 8.4 - 15.4 | 10.3 - 18 |
| 40" | - | 4.4 - 9.2 | 7.7 - 14.7 | 9.7 - 16.8 |
| For opening angle 90° | | | | |
| 12" | 5.9 - 11.2 | 11 - 18.7 | 17.6 - 26.4 | 19.8 - 33 |
| 16" | 4.6 - 7.7 | 9.9 - 14.7 | 12.8 - 24.7 | 15.8 - 29.7 |
| 20" | 3.5 - 5.7 | 7.7 - 12.1 | 9.9 - 19.4 | 13.2 - 24.2 |
| 24" | 2.9 - 4.8 | 5.9 - 9.5 | 8.6 - 16.9 | 10.6 - 18.7 |
| 28" | 2.6 - 4.4 | 5.5 - 8.1 | 7 - 14.1 | 9.2 - 16.7 |
| 32" | - | 5.3 - 7.5 | 6.6 - 11.9 | 7.7 - 14.7 |
| 36" | - | - | 5.9 - 11.4 | 6.6 - 13.2 |
| 40" | - | - | - | 5.9 - 12.1 |
| For opening angle 110° | | | | |
| 12" | 3.1 - 7.1 | 6.8 - 13 | 11.9 - 22 | - |
| 16" | 2.6 - 5.5 | 6.6 - 11 | 9.2 - 17.8 | 10.6 - 19.8 |
| 20" | 2 - 4.4 | 4.8 - 8.4 | 7 - 13.9 | 6.2 - 16.5 |
| 24" | 1.5 - 3.3 | 4.2 - 7.7 | 5.9 - 13.2 | 7.7 - 15 |
| 28" | - | 3.7 - 5.9 | 5.5 - 9.9 | 6.6 - 11.4 |
| 32" | - | - | 4.8 - 7.9 | 5.7 - 10.3 |
| 36" | - | - | - | 5.1 - 9.5 |
| 40" | - | - | - | 4.4 - 8.8 |

| | |
|---|------------|
| Information | page 9.119 |
| Maxi complete set/individual fitting | page 9.127 |
| Accessories/optional soft closing mechanism | page 9.126 |

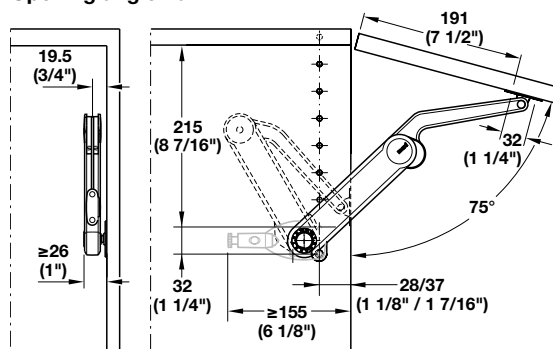
Maxi - Application With Handle For Particularly Wide and Heavy Doors

Note

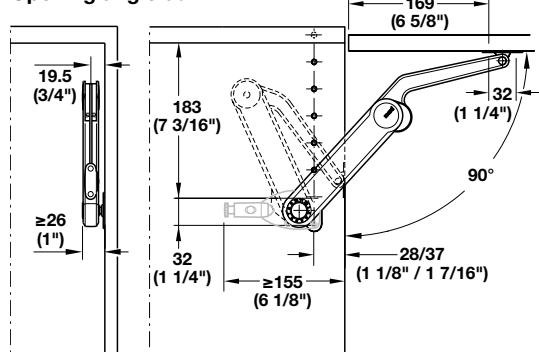
The following dimensions and sample measurement tables must be strictly observed for this kind of application. Two Maxi fittings must be installed for door widths from 600 mm (24") and above. The weight specification applies to one Maxi fitting. When using two Maxi fittings the door weight values double. Application in combination with concealed hinges with or without self closing.



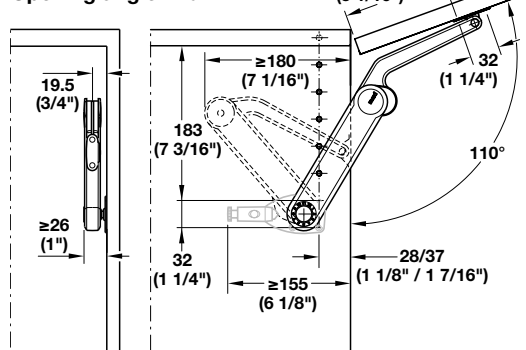
Opening angle 75°



Opening angle 90°



Opening angle 110°

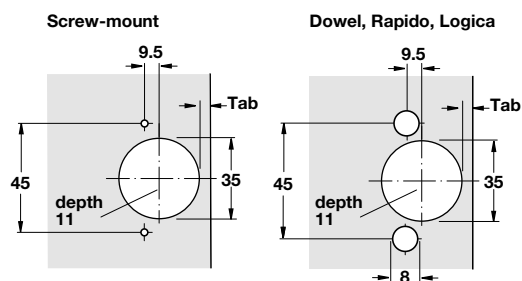


| Door height | Door weight lbs. | | | |
|------------------------|------------------|-------------|-------------|-------------|
| | Model A | Model B | Model C | Model D |
| For opening angle 75° | | | | |
| 12" | 8.4 - 15.6 | 14.7 - 30.1 | 26.2 - 46.2 | 33.9 - 60.1 |
| 16" | 6.2 - 11.7 | 11 - 22.7 | 19.6 - 34.8 | 25.5 - 45.1 |
| 20" | 5.1 - 9.5 | 9 - 18.3 | 15.8 - 27.5 | 20.7 - 35.6 |
| 24" | 4.2 - 7.7 | 7.3 - 15.4 | 13 - 23.3 | 16.7 - 30.1 |
| 28" | 3.5 - 6.6 | 6.2 - 12.5 | 11 - 19.4 | 14.3 - 25.1 |
| 32" | 3.1 - 5.9 | 5.5 - 11.2 | 9.7 - 17.4 | 12.5 - 22.9 |
| 36" | 2.9 - 5.3 | 4.8 - 10.1 | 8.8 - 15.4 | 5.5 - 20 |
| 40" | 2.4 - 4.6 | 4.4 - 9 | 7.9 - 13.9 | 10.1 - 18 |
| For opening angle 90° | | | | |
| 12" | 6.6 - 11.7 | 11.2 - 22.4 | 20 - 34.8 | 26.2 - 45.8 |
| 16" | 5.1 - 8.8 | 8.4 - 16.7 | 15.2 - 26.2 | 19.6 - 34.3 |
| 20" | 4 - 7 | 5.3 - 13.4 | 12.1 - 21.1 | 15.8 - 27.5 |
| 24" | 3.3 - 5.9 | 5.7 - 11.22 | 10.1 - 17.4 | 13.2 - 22.9 |
| 28" | 2.9 - 4.8 | 4.6 - 9.2 | 8.4 - 14.5 | 10.8 - 19.1 |
| 32" | 2.4 - 4.4 | 4.2 - 8.6 | 7.5 - 13 | 9.7 - 17.2 |
| 36" | 2.2 - 4 | 3.7 - 7.5 | 6.6 - 11.4 | 8.6 - 15.2 |
| 40" | 1.3 - 3.5 | 3.3 - 6.6 | 5.9 - 10.3 | 7.9 - 13.6 |
| For opening angle 110° | | | | |
| 12" | 5.3 - 8.8 | 8.6 - 16.5 | 15 - 25.6 | 20.2 - 33 |
| 16" | 4 - 6.6 | 6.4 - 12.3 | 11.2 - 19.1 | 15.2 - 24.7 |
| 20" | 3.1 - 5.3 | 5.3 - 9.9 | 8.8 - 15.6 | 12.5 - 19.8 |
| 24" | 2.6 - 4.4 | 4.2 - 8.4 | 7.3 - 13 | 9.9 - 16.8 |
| 28" | 2.2 - 3.7 | 3.7 - 6.8 | 6.4 - 10.6 | 8.4 - 13.6 |
| 32" | 2 - 3.1 | 3.1 - 6.2 | 5.7 - 9.5 | 7.5 - 12.3 |
| 36" | 1.8 - 2.9 | 2.9 - 5.5 | 5.1 - 8.4 | 6.6 - 11 |
| 40" | 1.5 - 2.6 | 2.4 - 4.8 | 4.4 - 7.7 | 5.9 - 9.9 |

Maxi – Accessories

The PUSH-System has been developed to meet the market trend of handle-less furniture. It consists of a series of self-opening hinges and release devices that can easily be mounted to your furniture.

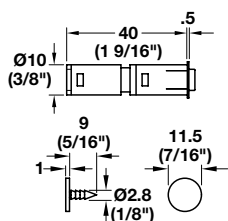
- Door thickness 16 to 23 mm (5/8" – 7/8") for 110°
- Side panel thickness from 16 mm (5/8")
- Tab: 3 - 6 mm for 110°
- Allows for a very "clean" design appearance
- Reverse-spring hinges help "PUSH" the door open



Salice - PUSH System

Material: Steel; Finish: nickel-plated

| Opening Angle | Closing Method | Mounting | Overlay | Hinge Arm | Model | Item No. |
|---------------|----------------|----------|---------|-----------|---------|------------|
| 110° | Self-opening | Screw | Full | | C2PPA99 | 329.17.800 |
| 110° | Self-opening | Dowel | Full | | C2RPA99 | 329.17.810 |



Additional Magnet (without magnetic release)

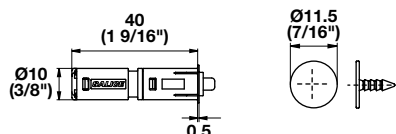
- For fronts from a width of 1200 mm (47 1/4") and above or when using 3 or more PUSH hinges
- Use in addition to magnetic door catch
- With magnetic tip
- Counterplate for knocking in

Material: Plastic

| Color | Item No. |
|--------------|------------|
| orange/beige | 356.06.441 |

Note

Position the additional magnets at some distance to the magnetic door catch in order to achieve a uniform gap pattern.



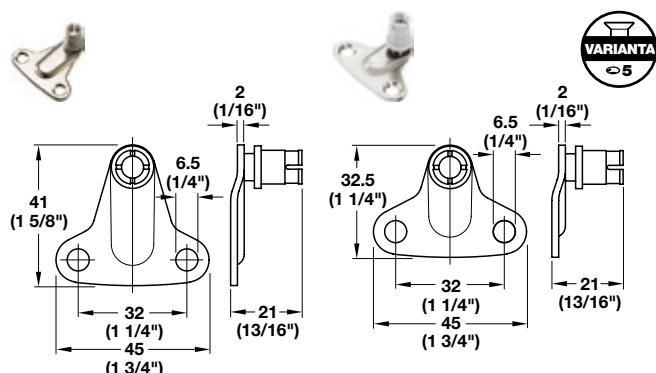
Magnetic PUSH Latch

- With catch

Material: Plastic; Catch: Steel

| Color | Model | Item No. |
|-------|---------|------------|
| white | DPMB289 | 356.06.401 |

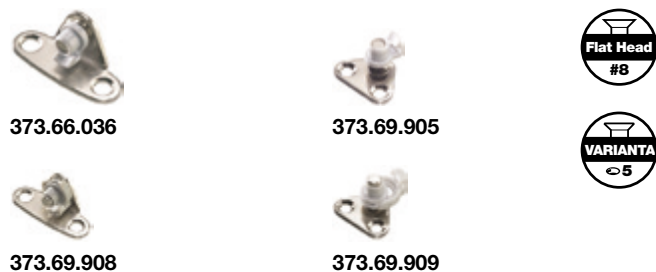
Maxi – Accessories



Mounting Bracket for Cabinet

Material: Steel; Finish: nickel-plated

| For edge distance (cabinet) | Item No. |
|-----------------------------|------------|
| 37 (1 7/16") | 373.69.906 |
| 28 (1 1/8") | 373.69.907 |



Screw-on Bracket for Door

- For doors made of wood or with aluminum frame
- From frame width: 45 mm (1 3/4")

Material: Steel; Finish: nickel-plated

| Installation | Item No. |
|---|------------|
| wood screws | 373.66.681 |
| euro screws | 373.66.036 |
| with slide-on clip (for easy mounting), for Euro screws | 373.69.908 |
| with slide-on clip (for easy mounting), for wood screws | 373.69.912 |

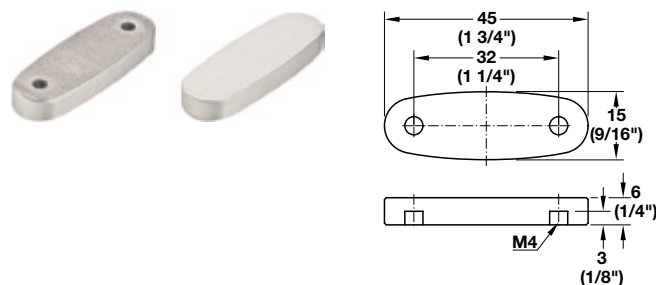
- For doors with aluminum frame
- From frame width: 20 mm (13/16")

| Installation | Item No. |
|--|------------|
| with slide-on clip (for easy mounting) | 373.69.909 |
| without slide-on clip | 373.69.905 |

For doors made of wood or with aluminum frame, from frame width 45 mm (1 3/4")

For doors with aluminum frame 20 mm (13/16")

9



Glass Gluing Adapter for Glass Fronts

- For using the screw-on brackets with wood or wide aluminum frames on glass or mirror doors
- For glue fixing (UV glass adhesive bonds)

Material: Stainless steel, brushed

| Finish | Item No. |
|---------------|------------|
| nickel-plated | 373.69.780 |

Note

When using the glass gluing adapter the Maxi dimensions have to be set back further into the cabinet by the adapter height 6 mm (1/4").

Soft Closing Mechanism

- For edge distances 28 and 37 mm (1 1/8" and 1 7/16")
- Adjustable dampening distance

Material: Zinc alloy

| Finish | Item No. |
|---------------|------------|
| nickel-plated | 373.69.799 |

Note

The mounting bracket for the cabinet is not required when using the soft closing mechanism.

Maxi

- For doors made of wood, glass or with aluminum frame
- For left and right hand use
- Installs without tools (clip on)
- Holding power adjustment



Complete Set

- For doors made of wood or with aluminum frame
- From frame width: 45 mm (1 3/4")
- Edge distance: 37 mm (1 7/16")

Material: Stay: Zinc alloy; Brackets: Steel

| Model | Nickel-plated | White | Black |
|-------|---------------|------------|------------|
| A | 373.69.512 | 373.69.742 | 373.69.342 |
| B | 373.69.412 | 373.69.744 | 373.69.344 |
| C | 373.69.712 | 373.69.746 | 373.69.346 |
| D | 373.69.312 | 373.69.748 | 373.69.348 |

- For doors with aluminum frame
- From frame width: 20 mm (13/16")
- Edge distance: 37 mm (1 7/16")

| Model | Nickel-plated | White | Black |
|-------|---------------|------------|------------|
| A | 373.69.502 | 373.69.732 | 373.69.332 |
| B | 373.69.402 | 373.69.734 | 373.69.334 |
| C | 373.69.702 | 373.69.736 | 373.69.336 |
| D | 373.69.302 | 373.69.738 | 373.69.338 |

Supplied with

- 1 Lid stay
- 1 Mounting bracket for cabinet
- 1 Screw-on bracket for door (for Euro screws)

Note

Use two Maxi fittings for flap widths from 600 mm (23 5/8") and above.

Individual Fitting

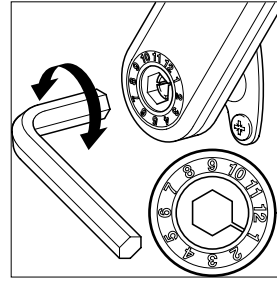
Material: Zinc alloy

| Model | Nickel-plated | White | Black |
|-------|---------------|------------|------------|
| A | 373.69.902 | 373.69.722 | 373.69.322 |
| B | 373.69.900 | 373.69.720 | 373.69.320 |
| C | 373.69.901 | 373.69.721 | 373.69.321 |
| D | 373.69.903 | 373.69.723 | 373.69.323 |



Maxi

- For wood or aluminum doors
- Maximum opening angle 75°
- Clip mounting without tools on pre-mounted bracket
- Trial mounting is recommended
- Adjustable with a 10 mm (3/8") hex key, (not included, see below)
- Left or right mounted
- Concealed hinges and mounting plates are required for installation (not included)
- Doors over 600 mm (23 5/8") wide should use 2 fittings



Strength Required

Chest Stay

- Unhanded
- Cabinet mounting bracket sold separately

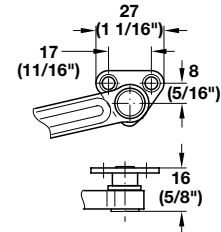
Material: Zinc alloy; Finish: nickel-plated

| Version (see chart below) | Item No. |
|---------------------------|------------|
| F | 373.85.700 |
| G | 373.85.701 |
| H | 373.85.702 |

| mm | F blue | G brown | H black |
|-----------------|--------------|---------------|----------------|
| 400 (15 3/4") | 3.5-6.8 lbs. | 6.6-11.6 lbs. | 11.4-20.6 lbs. |
| 500 (19 11/16") | 2.8-5.7 lbs. | 5.5-9.2 lbs. | 9.4-16.5 lbs. |
| 600 (23 5/8") | 2.4-2.5 lbs. | 5.0-9.2 lbs. | 8.8-14.7 lbs. |

Note

Weight chart is based on one lid stay. Weight shown can be doubled if using 2 stays.

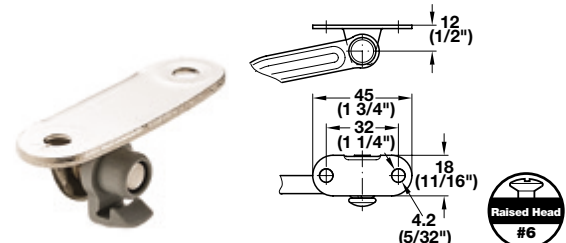


Door Mounting Bracket for Aluminum Frame

- For use with 563.55.931, 563.55.031 and 563.55.911 frames

Material: Steel

| Finish | Item No. |
|---------------|------------|
| nickel-plated | 373.66.682 |



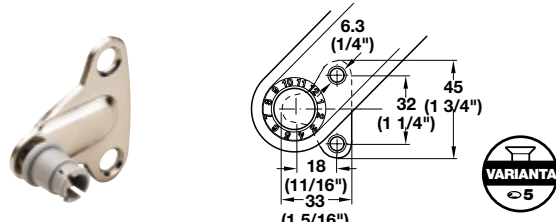
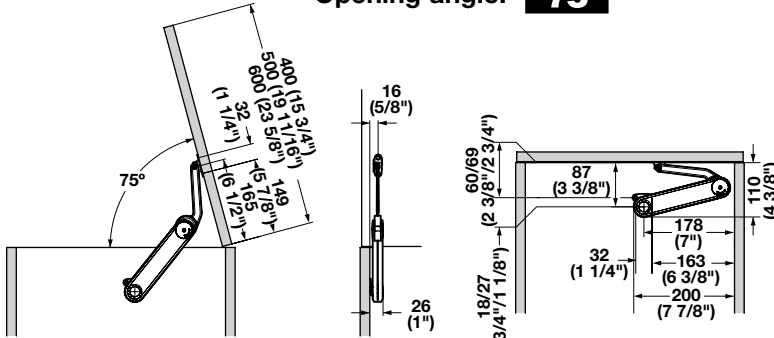
Door Mounting Bracket wood/aluminum

- For wood or aluminum door/frames over 35 mm (1 3/8") wide

Material: Steel

| Finish | Item No. |
|---------------|------------|
| nickel-plated | 373.66.681 |

Opening angle: **75°**



Cabinet Mounting Bracket

- For wood or aluminum door/frames over 35 mm (1 3/8") wide

Material: Steel; Finish: nickel-plated

| Distance from edge | Item No. |
|--------------------|------------|
| 60 (2 3/8") | 373.69.907 |
| 69 (2 3/4") | 373.69.906 |



soft&silent



Cabinet Mounting Bracket with soft close

Material: Zinc; Finish: nickel-plated

| Distance from edge | Item No. |
|------------------------|------------|
| 28/37 (1 1/8"/1 7/16") | 373.69.799 |



Hex Key, 10 mm

Material: Steel

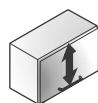
| Finish | Item No. |
|---------------|------------|
| nickel-plated | 008.28.100 |

FREE

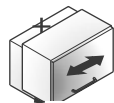
- The flap remains open at the angle it is released, up to 100°
- No hinges required
- One system for a large variety of door weights
- Adjustable damper provides Soft Close
- Easy clip-on mounting
- Door is 3D adjustable
- For wood or aluminum framed doors
- Maximum door height: 700 mm (27 9/16")
- Maximum door weight: 37 lbs.



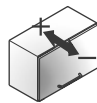
Opening angle: **100°**



Height adjustment
+1.5/-1.5
(+1/16"/-1/16")



Side adjustment
+1.5/-1.5
(+1/16"/-1/16")



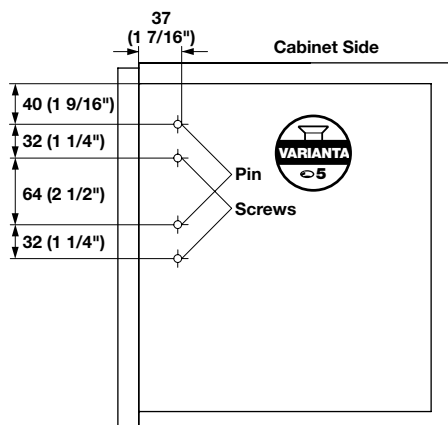
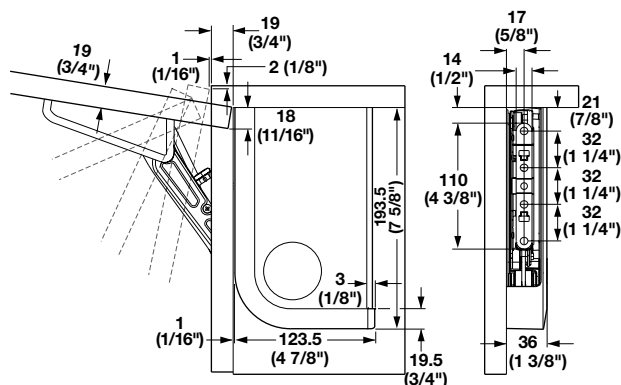
Incline adjustment
+1.5/-1.5
(+1/16"/-1/16")



Adjustment of sustaining capacity



soft&silent



Swing-up Fitting

Material: Fitting: Steel; Finish: nickel-plated
Housing: Plastic; Color: gray

| Door height | Weight capacity (lbs.) | Item No. |
|----------------|------------------------|------------|
| 250 (9 7/8") | 5-8 | 372.91.511 |
| 400 (15 3/4") | 3-5 | |
| 250 (9 7/8") | 10-18 | 372.91.512 |
| 400 (15 3/4") | 6-11 | |
| 500 (19 3/4") | 5-9 | 372.91.513 |
| 250 (9 7/8") | 13-26 | |
| 400 (15 3/4") | 9-16 | 372.91.514 |
| 500 (19 3/4") | 7-13 | |
| 250 (9 7/8") | 15-26 | 372.91.515 |
| 400 (15 3/4") | 13-22 | |
| 500 (19 3/4") | 10-18 | 372.91.516 |
| 600 (24") | 8-15 | |
| 700 (27 9/16") | 7-12 | 372.91.516 |
| 250 (9 7/8") | 20-36 | |
| 400 (15 3/4") | 19-31 | 372.91.515 |
| 500 (19 3/4") | 15-24 | |
| 600 (24") | 12-20 | 372.91.516 |
| 700 (27 9/16") | 11-17 | |
| 500 (19 3/4") | 22-37 | 372.91.516 |
| 600 (24") | 18-30 | |
| 700 (27 9/16") | 16-26 | |

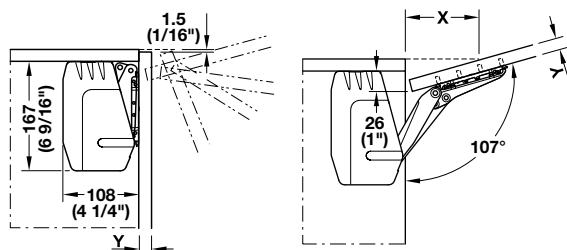
Supplied With
Mounting instructions

Dimensional data not binding. We reserve the right to alter specifications without notice.

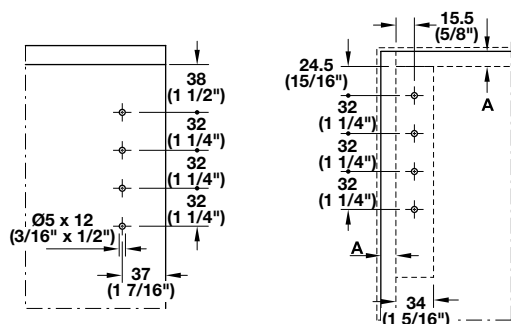
FREE Flap 1.7

- For small, one-piece doors made of wood or with aluminum frame
 - Door height: 200 - 450 mm (7 7/8" - 17 11/16")
 - Opening angle of 107° can be limited to 90° by means of optional opening angle restraint
- Adjustments: Height/side/tilting angle of front +/- 1.5 mm (1/16"), holding power

Installation

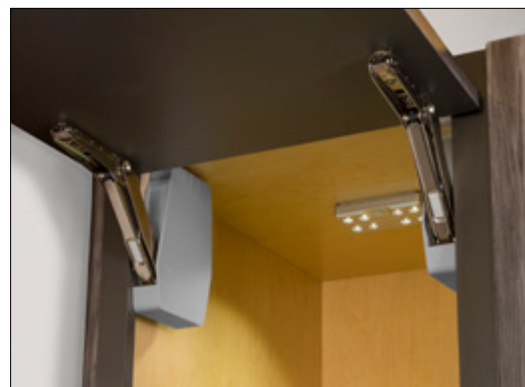


| | | | | | |
|--|----------------|------------------|----------------|-----------------|------------------|
| Front panel thickness Y mm | 16 (5/8") | 19 (3/4") | 22 (7/8") | 26 (1") | 28 (1 1/8") |
| Distance X mm (with top panel thickness 16 mm (5/8")) | 83 (3 1/4") | 74 (2 15/16") | 64 (2 1/2") | 52 (2 1/16") | 46 (1 13/16") |



Drilling pattern for cabinet

Drilling pattern for front panel



FREE Flap 1.7

Material: Fitting: Steel; Finish: nickel-plated
Cover Cap: Plastic; Color: gray RAL 7035

| Model | Item No. |
|-------|------------|
| A | 372.91.320 |
| B | 372.91.321 |
| C | 372.91.322 |

Set Supplied With

- 2 Fittings (right/left)
- 2 Cover caps for fitting (right/left)
- 2 Screw-on brackets for wood doors or doors with aluminum frame, from frame width 45 mm (1 3/4")
- Installation instructions
- Paper drilling template

Sample measurements table for max. door weight in lbs.

| Model/Door Height | A | | B | | C | |
|-------------------|-----|------|-----|------|------|------|
| 8" | 3.7 | 10.1 | 7.9 | 17.4 | 15 | 32.3 |
| 9" | 3.3 | 9.0 | 6.8 | 15.6 | 13.2 | 28.8 |
| 10" | 2.9 | 8.4 | 6.4 | 14.1 | 11.9 | 26.0 |
| 11" | 2.6 | 7.3 | 5.5 | 12.5 | 10.6 | 23.3 |
| 12" | 2.4 | 6.8 | 5.3 | 11.2 | 9.7 | 21.1 |
| 13" | 2.2 | 6.2 | 4.6 | 10.1 | 8.8 | 19.4 |
| 14" | 2.0 | 5.7 | 4.4 | 9.2 | 8.1 | 17.8 |
| 15" | 2.0 | 5.1 | 4.2 | 8.4 | 7.7 | 16.5 |
| 16" | 1.8 | 4.6 | 3.7 | 7.9 | 7.0 | 15.4 |
| 17" | 1.5 | 4.1 | 3.3 | 7.4 | 6.3 | 14.3 |
| 18" | 1.3 | 3.7 | 3.0 | 7.0 | 5.9 | 13.4 |



Opening Angle Restraint

- For limiting opening angle of 107° to 90°

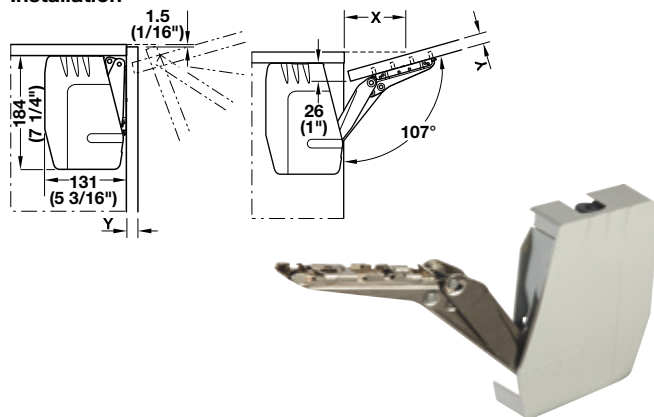
Material: Plastic

| Color | Item No. |
|-------|------------|
| black | 372.91.499 |

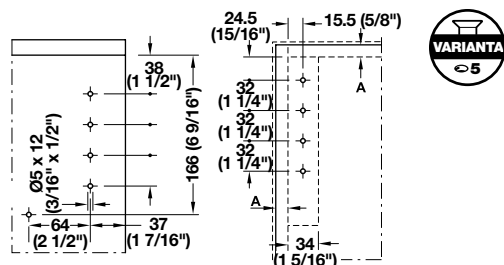
FREE Flap 3.15

- For large, one-piece doors made of wood or with aluminum frame
 - Door height: 350 - 650 mm (13 3/4" – 25 9/16")
 - Opening angle 90° or 107°, adjustable on fitting
- Adjustments: Height/side/tilting angle of front +/- 1.5 mm (1/16"), holding power

Installation



| | | | | | |
|--|----------------|------------------|----------------|-----------------|------------------|
| Front panel thickness Y mm | 16 (5/8") | 19 (3/4") | 22 (7/8") | 26 (1") | 28 (1 1/8") |
| Distance X mm (with top panel thickness 16 mm (5/8")) | 83 (3 1/4") | 74 (2 15/16") | 64 (2 1/2") | 52 (2 1/16") | 46 (1 13/16") |



Drilling pattern for cabinet

Drilling pattern for front panel

Sample measurements table for max. door weight in lbs.

| Model/ Door Height | D | | E | | F | | G | |
|-----------------------|------|------|------|------|------|------|------|------|
| 14" | 11.4 | 24.2 | 14.7 | 31.4 | 22.2 | 47.0 | 29.7 | 60.0 |
| 15" | 10.7 | 22.4 | 13.8 | 28.8 | 20.6 | 43.5 | 27.5 | 55.4 |
| 16" | 10.3 | 21.1 | 13.0 | 27.3 | 19.6 | 40.9 | 26.0 | 51.3 |
| 17" | 9.7 | 19.8 | 12.3 | 25.5 | 18.3 | 38.3 | 24.2 | 48.0 |
| 18" | 9.0 | 18.5 | 11.4 | 24.0 | 17.2 | 35.9 | 22.9 | 45.1 |
| 19" | 8.6 | 17.6 | 10.8 | 22.7 | 16.3 | 33.9 | 21.6 | 42.5 |
| 20" | 8.1 | 16.5 | 10.3 | 21.3 | 15.4 | 32.1 | 20.2 | 40.3 |
| 21" | 7.7 | 15.6 | 9.7 | 20.2 | 14.5 | 30.6 | 19.4 | 38.1 |
| 22" | 7.3 | 15.0 | 9.2 | 19.4 | 13.9 | 29.0 | 18.3 | 36.3 |
| 23" | 7.0 | 14.3 | 8.8 | 18.5 | 13.2 | 27.5 | 17.6 | 34.3 |
| 24" | 6.6 | 13.6 | 8.4 | 17.6 | 12.5 | 26.4 | 16.7 | 33.0 |
| 25" | 6.1 | 12.9 | 7.9 | 16.7 | 11.8 | 25.3 | 15.8 | 31.6 |
| 26" | 5.7 | 12.3 | 7.4 | 16.0 | 11.6 | 24.2 | 15.1 | 30.8 |



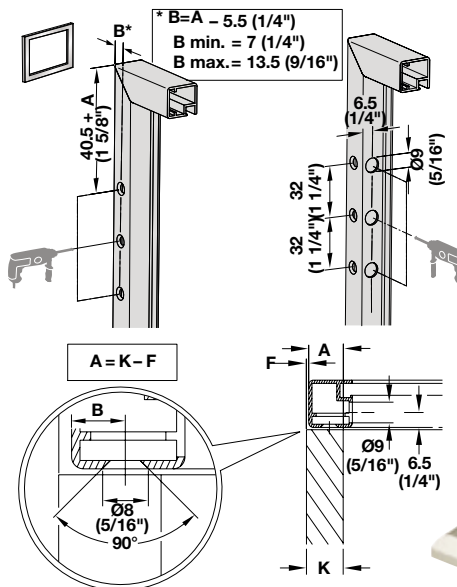
FREE Flap 3.15

Material: Fitting: Steel; Finish: nickel-plated
Cover Cap: Plastic; Color: gray RAL 7035

| Model | Item No. |
|-------|------------|
| D | 372.91.330 |
| E | 372.91.331 |
| F | 372.91.332 |
| G | 372.91.333 |

Set Supplied With

- 2 Fittings (right/left)
 - 2 Cover caps for fitting (right/left)
 - 2 Screw-on brackets for wood doors or doors with aluminum frame,
from frame width 45 mm (1 3/4")
- Installation instructions
Drilling jig



Adapter

- For aluminum frame doors 20 mm (13/16") or less
- For left or right hand use

Material: Zinc alloy

| Finish | Item No. |
|---------------|------------|
| nickel-plated | 372.91.599 |

Set Supplied With

Screws (M4x10 mm)

Note

Fitting is visible with clear and acid-etch glass, back painted glass should be considered.

Free Up

- For one-piece wood, glass or aluminum frame doors
- Ideal for upper cabinets or front panels
- Modern design with clear-cut contours
- Minimum opening resistance, multi-position stop function and soft opening and soft closing mechanism
- Time-saving assembly provided by plugs, pre-mounted Euro screws and clip mounting of front panel and cross bar, eccentric adjustment of front panel



Parallel Lift-up Front Fitting

Adjustment facility: Height adjustment ± 1.5 mm,
side adjustment ± 1.5 mm,
tilting angle $\pm 1.5^\circ$, holding power

Material: Fitting: Plastic, Steel; Cover Cap: Plastic
Finish/color: Fitting: nickel-plated; Cover Cap: gray

| Door height mm | Door weight lbs. | Model | Item No. |
|----------------------------------|------------------|-------|------------|
| 320–360 (12 5/8"–14 3/16") | 6.6–12.5 | O1us | 372.33.500 |
| | 10.6–20.5 | O2us | 372.33.501 |
| | 19.1–36.3 | O3us | 372.33.502 |
| 345–420 (13 9/16"–16 9/16") | 5.3–10.6 | P1us | 372.33.510 |
| | 9–17.6 | P2us | 372.33.511 |
| | 16.3–30.8 | P3us | 372.33.512 |
| | 24.2–43.1 | P4us | 372.33.513 |
| 380–500 (14 15/16"–19 11/16") | 4.4–8.4 | Q1us | 372.33.520 |
| | 7.5–14.7 | Q2us | 372.33.521 |
| | 13.9–26 | Q3us | 372.33.522 |
| | 20.5–38.3 | Q4us | 372.33.523 |
| 430–600 (16 15/16"–23 5/8") | 3.5–7.3 | R1us | 372.33.530 |
| | 5.7–12.1 | R2us | 372.33.531 |
| | 11–21.3 | R3us | 372.33.532 |
| | 16.3–32.1 | R4us | 372.33.533 |

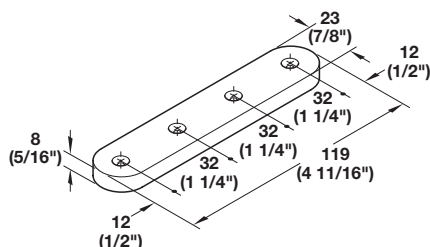
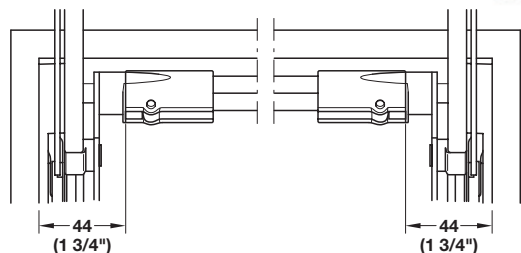
Set Supplied With

1 Parallel lift-up front fitting set
Front mounting material for wood doors or doors with wide aluminum frame
Installation instructions
Paper drilling template
1 Cover cap set (2 pcs. 1 left/1 right)

Note

Cross bar and adapters for glass front panels or narrow aluminum frames (if applicable) must be ordered separately. Use two Free up sets for door widths > 1800 mm (70 7/8")

Free Up/Free Swing – Accessories



Cross Bar

- For synchronizing both fitting parts
- Can be cut to size
- Cutting dimension = internal cabinet width – 88 mm (3 7/16")

Material: Aluminum; Finish: brushed anodized

| Cabinet width | Length | Item No. |
|----------------|-----------------|------------|
| 600 (23 5/8") | 474 (18 11/16") | 372.33.692 |
| 900 (35 7/16") | 774 (30 1/2") | 372.33.694 |
| 1200 (47 1/4") | 1074 (42 5/16") | 372.33.696 |
| 1800 (70 7/8") | 1674 (65 7/8") | 372.33.698 |

Note

Cross bar is prepared for side panel thicknesses 16–19 mm (5/8" – 3/4")

Glass Gluing Adapter, for all-glass front panels

- In combination with screw-on brackets for wood doors on all-glass panels
- For glue mounting (UV glass adhesive bonds)
- For glass thickness: 6–10 mm (1/4"–3/8")
- For door width: <900 mm (35 7/16")

Material: Stainless Steel, brushed

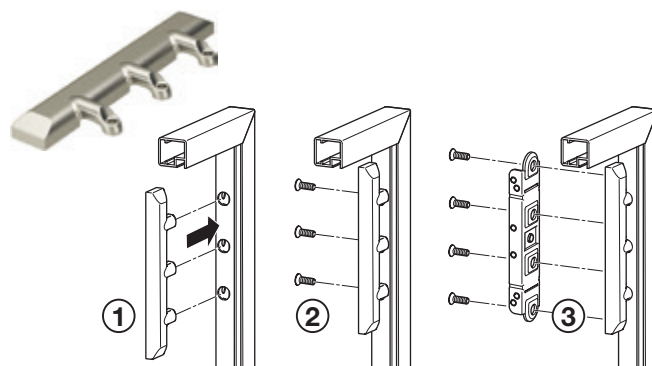
| Item No. |
|------------|
| 372.91.598 |

Set Supplied With

M5 screws

Note

When using the glass gluing adapter, move mounting dimensions of the Free swing/up further into the cabinet by the adapter thickness 8 mm (5/16").



Adapter, for doors with 20 mm (13/16") aluminum frame

- For mounting the parallel lift-up front fitting to doors with narrow aluminum frame
- Mounting: For left or right hand use

Material: Zinc alloy; Finish: nickel-plated

| Item No. |
|------------|
| 372.91.599 |

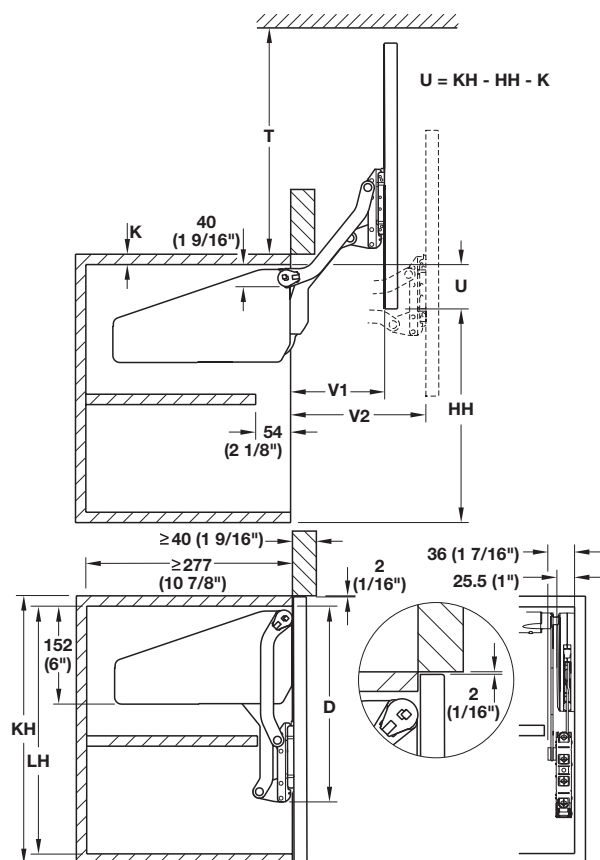
Set Supplied With

M4 x 10 mm screws

Note

Fitting is visible with float and satin-frosted glass, passe-partout or obscure glass may be used.

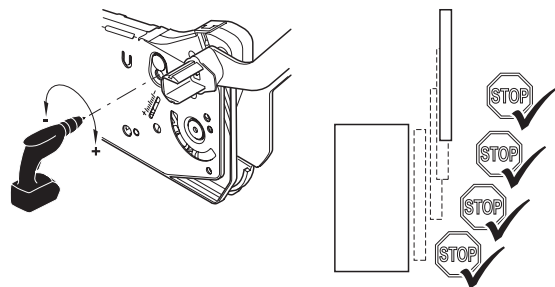
Free Up – Planning



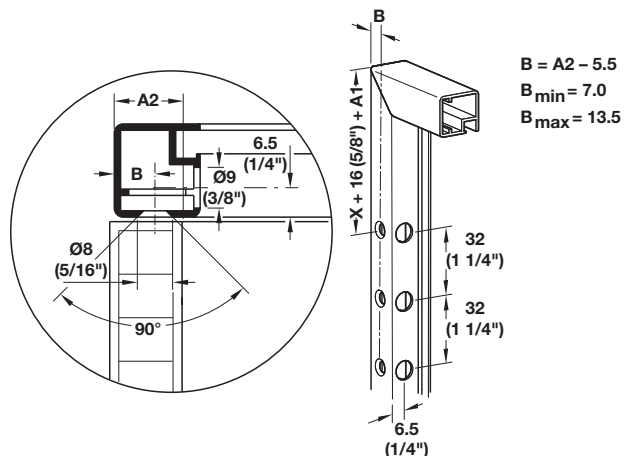
Sample measurements table for choosing the correct model

| Cabinet height KH | X | D | LH | HH | T | V1 | V2 |
|-------------------|-----|-------|------|-----|------|-----|-----|
| 320–360 | 157 | 274.5 | >280 | 278 | >281 | 128 | 177 |
| 345–420 | 185 | 302.5 | >308 | 328 | >333 | 146 | 205 |
| 380–500 | 220 | 337.5 | >343 | 390 | >393 | 168 | 240 |
| 430–600 | 265 | 382.5 | >388 | 470 | >473 | 196 | 284 |

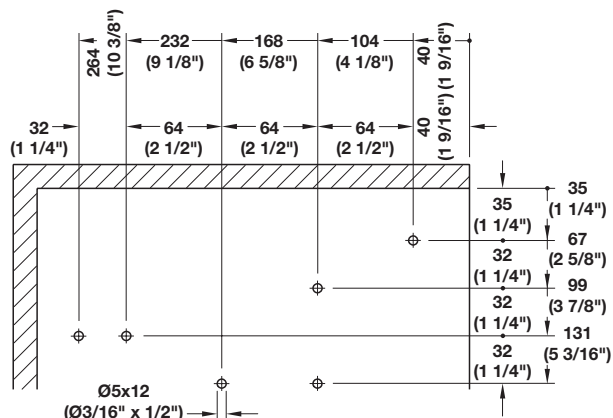
Power adjustment of fitting



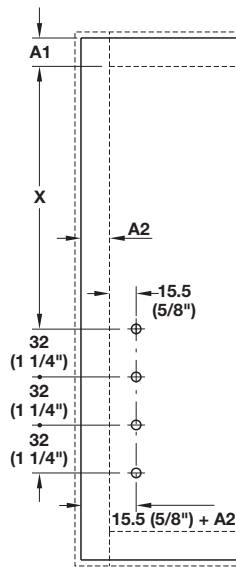
Drilling pattern for adapter for doors with 20 mm aluminum frame



Drilling pattern for cabinet



Drilling pattern for front panel



Free Swing

- For one-piece doors made from wood, glass or with aluminum frame
- Full access to the cabinet contents; Ideal for large front panels; Modern design with clear-cut contours
- Minimum opening resistance, multi-position stop function and soft opening and soft closing mechanism for ease of operation
- Time-saving assembly provided by tabs, pre-mounted Euro screws and clip mounting of front panel and cross bar, eccentric adjustment of front panel



Swing-up Front Fitting

Adjustment facility: Height adjustment ± 1.5 mm,
side adjustment ± 1.5 mm,
tilting angle $\pm 1.5^\circ$, holding power

Material: Fitting: Plastic, Steel; Cover Cap: Plastic
Finish/Color: Fitting: nickel-plated; Cover Cap: gray

| Model | Item No. |
|-------|------------|
| S1sw | 372.34.500 |
| S2sw | 372.34.510 |
| S3sw | 372.34.520 |
| S4sw | 372.34.501 |
| S5sw | 372.34.511 |
| S6sw | 372.34.521 |
| S7sw | 372.34.502 |
| S8sw | 372.34.512 |
| S9sw | 372.34.522 |

Set Supplied With

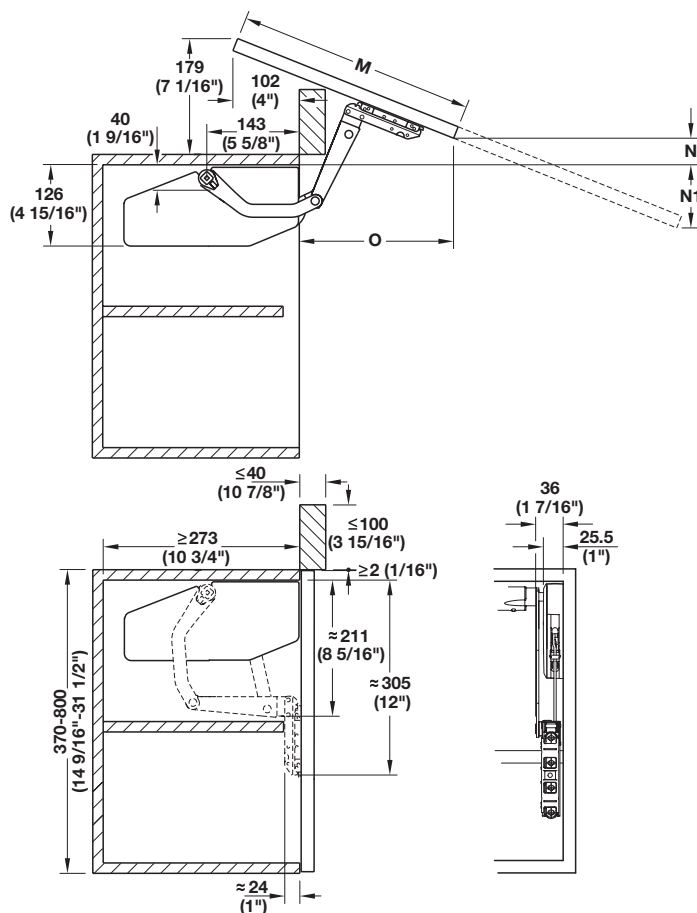
- 1 Swing-up front fitting set
- Front mounting material for wood doors or doors with wide aluminum frame
- Installation instructions
- Paper drilling template
- 1 Cover cap set (2 pcs. 1 left/1 right)

Note

Cross bar and adapters for glass front panels or narrow aluminum frames (if applicable) must be ordered separately.
Use two Free swing sets for flap widths > 1800 mm (70 7/8").

| Model | S1sw | S2sw | S3sw | S4sw | S5sw | S6sw | S7sw | S8sw | S9sw |
|------------------------------|------------------|-----------|-----------|-----------|------------|------------|------------|------------|------------|
| Door height | Flap weight lbs. | | | | | | | | |
| 370–500 (14 9/16"–19 11/16") | 4–7 lbs. | – | – | 7–12 lbs. | – | – | 11–19 lbs. | – | – |
| 500–670 (19 11/16"–26 3/8") | – | 6–10 lbs. | – | – | 10–19 lbs. | – | – | 18–30 lbs. | – |
| 670–800 (26 3/8"–31 1/2") | – | – | 7–12 lbs. | – | – | 12–22 lbs. | – | – | 18–33 lbs. |

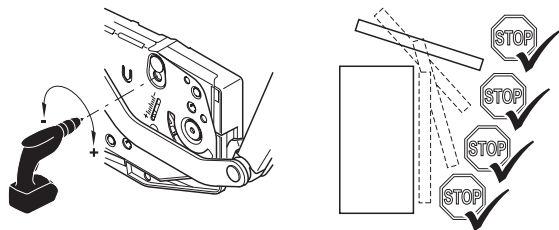
Free Swing – Planning



Sample door sizes for planning

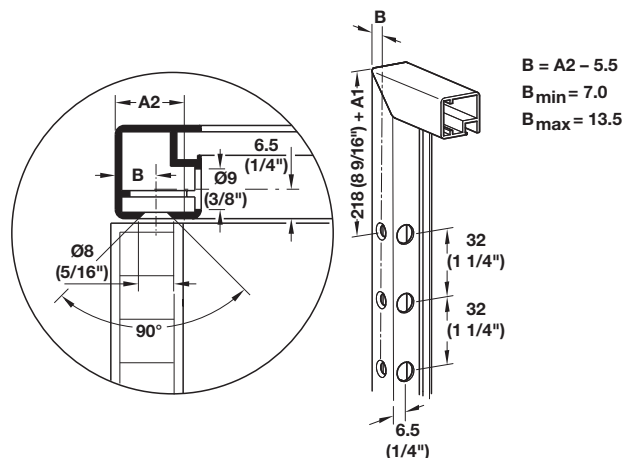
| M | N | N1 | O |
|-----------------|----------------|-------------------|--------------------|
| 366 (14 7/16'') | 40 (1 9/16'') | – | 237.4 (9 3/8'') |
| 396 (15 9/16'') | 28.9 (1 1/8'') | – | 265.3 (10 7/16'') |
| 446 (17 9/16'') | 10.3 (3/8'') | – | 311.7 (12 1/4'') |
| 496 (19 1/2'') | – | 8.3 (5/16'') | 358.1 (14 1/8'') |
| 546 (21 1/2'') | – | 26.9 (1 1/16'') | 404.6 (15 15/16'') |
| 596 (23 7/16'') | – | 45.4 (1 13/16'') | 451 (17 3/4'') |
| 646 (25 7/16'') | – | 64 (2 1/2'') | 497.4 (19 9/16'') |
| 666 (26 1/4'') | – | 71.4 (2 13/16'') | 516 (20 5/16'') |
| 696 (27 3/8'') | – | 82.6 (3 1/4'') | 543.8 (21 7/16'') |
| 746 (29 3/8'') | – | 101.2 (4'') | 590.2 (23 1/4'') |
| 796 (31 5/8'') | – | 119.7 (4 11/16'') | 636.7 (25 1/16'') |

Power adjustment of fitting

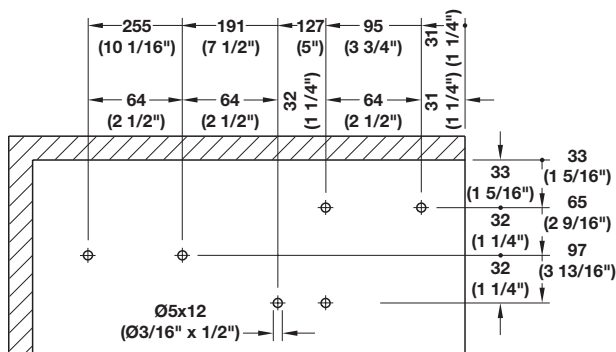


Dimensions in mm
Inches are approximate

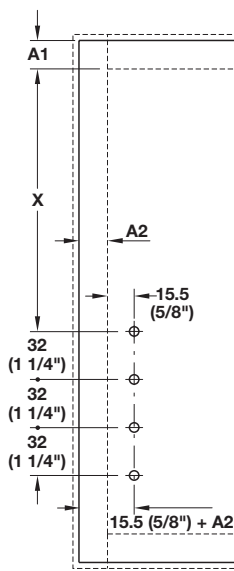
Drilling pattern for adapter for doors with 20 mm aluminum frame



Drilling pattern for cabinet



Drilling pattern for front panel



Free Fold

- For 2-piece wood or aluminum frame doors of equal size
- Even high front panels can be lifted up in a space-saving way
- Modern design with clear-cut contours.
- Minimum opening resistance, multi-position stop function and soft opening and soft closing mechanism for ease in operation
- Time-saving assembly provided by tabs, pre-mounted Euro screws and clip mounting of front panel.



Double Door Lift-up Fitting

Adjustment facility: Height/side/depth of top panel (via concealed hinge) and lower panel (via connecting hinge), holding power (via fitting).

Material: Fitting: Plastic, Steel; Cover Cap: Plastic
Finish/Color: Fitting: nickel-plated; Cover Cap: gray

| Combined Door height | Door weight lbs. | Model | Item No. |
|----------------------------------|------------------|-------|------------|
| 580–650 (22 13/16"–25 9/16") | 4.8–9.7 | E1fo | 372.37.530 |
| | 9.5–19.4 | E3fo | 372.37.532 |
| | 13.2–26.8 | E4fo | 372.37.533 |
| | 23.3–46 | E5fo | 372.37.534 |
| 650–730 (25 9/16"–28 3/4") | 8.6–17.4 | F3fo | 372.37.542 |
| | 12.8–25.5 | F4fo | 372.37.543 |
| | 20.9–41.1 | F5fo | 372.37.544 |
| 710–790 (27 15/16"–31 1/8") | 7.7–15.8 | G3fo | 372.37.552 |
| | 11.4–22.7 | G4fo | 372.37.553 |
| | 19.1–37.8 | G5fo | 372.37.554 |
| 770–840 (30 5/16"–33 1/16") | 10.8–21.6 | H4fo | 372.37.563 |
| | 17.6–34.1 | H5fo | 372.37.564 |
| 840–910 (33 1/16"–35 13/16") | 9.9–19.8 | I4fo | 372.37.573 |
| | 16.1–32.1 | I5fo | 372.37.574 |
| 910–970 (35 13/16"–38 3/16") | 9.2–17.6 | J4fo | 372.37.583 |
| | 15–29.7 | J5fo | 372.37.584 |
| 960–1010 (37 13/16"–39 3/4") | 8.6–16.7 | K4fo | 372.37.593 |
| | 14.3–28.2 | K5fo | 372.37.594 |
| 1000–1040 (39 3/8"–40 15/16") | 13.6–27.1 | L5fo | 372.37.599 |

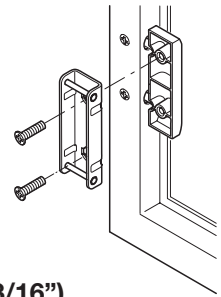
Set Supplied With

- 1 Double door lift-up fitting set
- Front mounting material for wood doors or doors with wide aluminum frame
- Installation instructions
- Paper drilling template
- 1 Cover cap set (2 pcs. 1 left/1 right)

Note

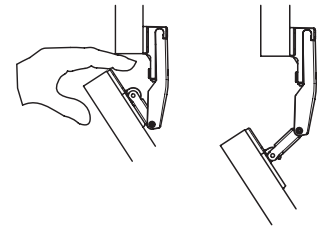
Concealed hinges for mounting the door to the cabinet, connecting hinges and adapters for narrow aluminum frames (if applicable) must be ordered separately. The specified models apply to common door heights and weights. Shorter front panels with higher door weights and taller front panels with lower door weights can also be implemented in individual cases.

Dimensional data not binding. We reserve the right to alter specifications without notice.



Material: Zinc alloy; Finish: nickel-plated

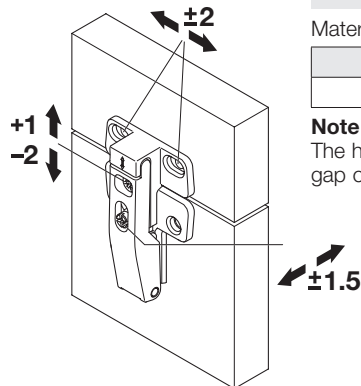
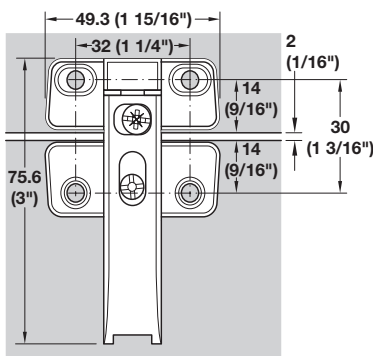
Supplied with
Mounting material



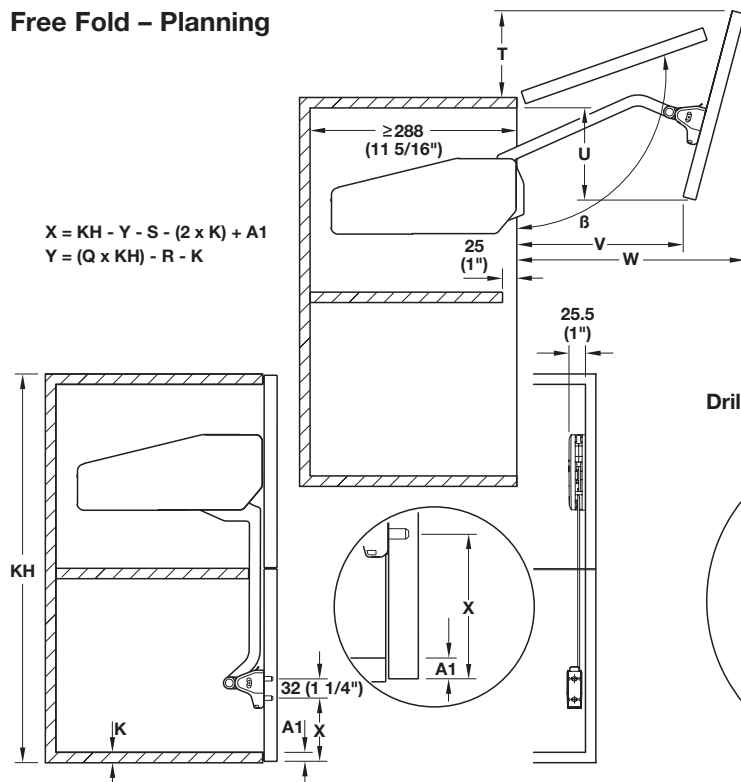
- For wood and aluminum frame doors from frame width 20 mm (13/16")
- Adjustment facility: 3-dimensional,
 - side adjustment ± 2 mm,
 - gap adjustment -2 to $+1$ mm,
 - depth adjustment ± 1.5 mm
- With finger protection function
- Installed with chipboard screws

Material: Zinc alloy; Finish: nickel-plated

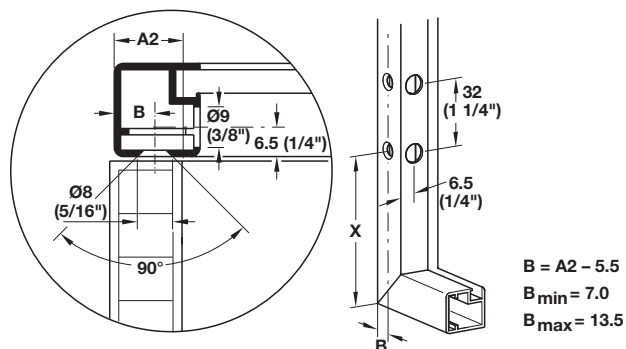
Note
The hinge comes apart when fingers get trapped unintentionally in the gap of the door.



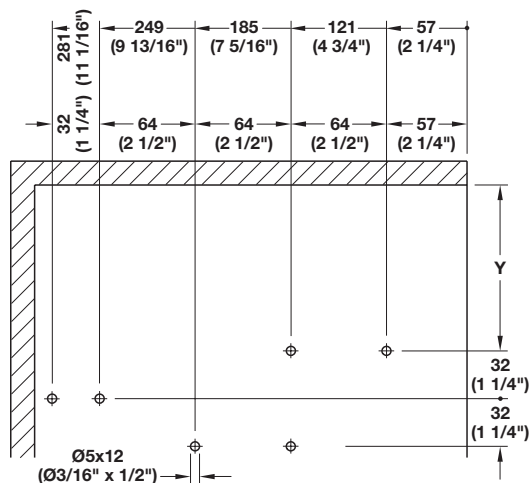
Free Fold – Planning



Drilling pattern for adapter for doors with 20 mm aluminum frame

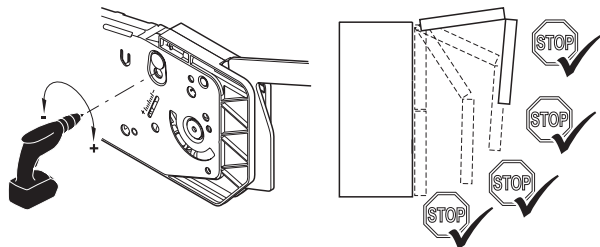


Drilling pattern for cabinet

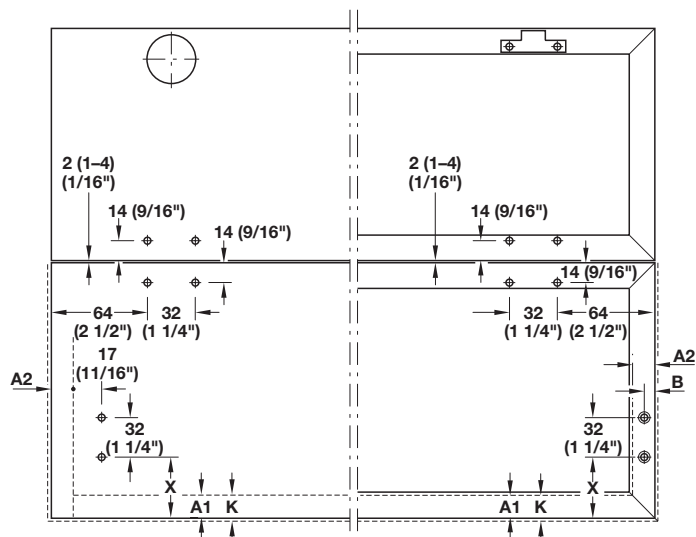


| Cabinet Height KH | β° | Q | R | S | T | U | V | W |
|-------------------|-------------------|-----|-----|-----|---------|---------|---------|---------|
| 580–650 | $\approx 108-95$ | 1.2 | 589 | 377 | 119–40 | 126–197 | 227–207 | 375–430 |
| 650–730 | $\approx 107-94$ | 1.2 | 664 | 409 | 124–38 | 147–224 | 238–215 | 411–470 |
| 710–790 | $\approx 108-95$ | 1.2 | 736 | 439 | 136–46 | 161–233 | 250–219 | 439–500 |
| 770–840 | $\approx 108-95$ | 1.0 | 644 | 467 | 146–43 | 179–223 | 267–200 | 466–527 |
| 840–910 | $\approx 108-98$ | 1.2 | 882 | 501 | 154–70 | 195–248 | 272–231 | 502–559 |
| 910–970 | $\approx 107-98$ | 1.1 | 865 | 533 | 160–78 | 214–246 | 282–225 | 536–588 |
| 960–1010 | $\approx 107-100$ | 1.1 | 915 | 557 | 170–99 | 228–251 | 295–240 | 560–605 |
| 1000–1040 | $\approx 107-102$ | 1.1 | 954 | 576 | 177–120 | 239–256 | 306–256 | 578–616 |

Power adjustment of fitting



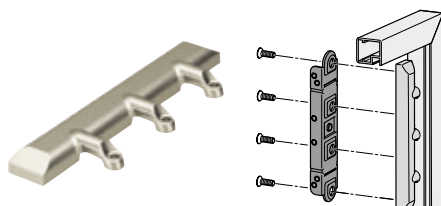
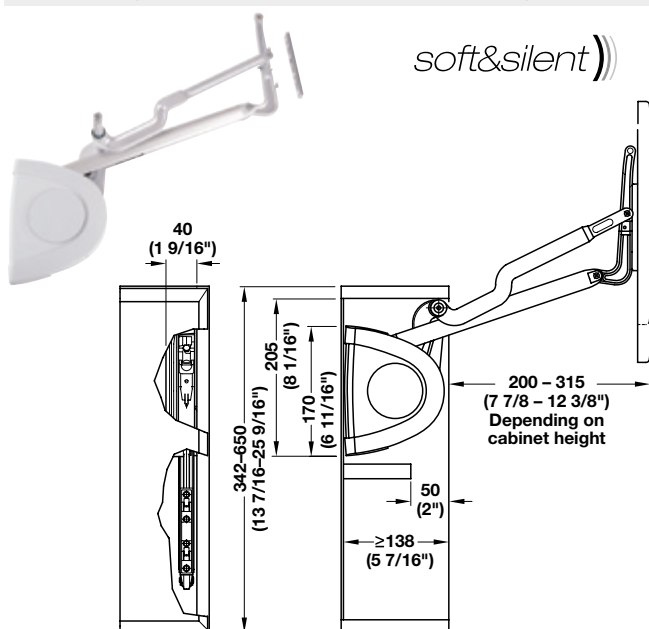
Front processing



Dimensions in mm
Inches are approximate

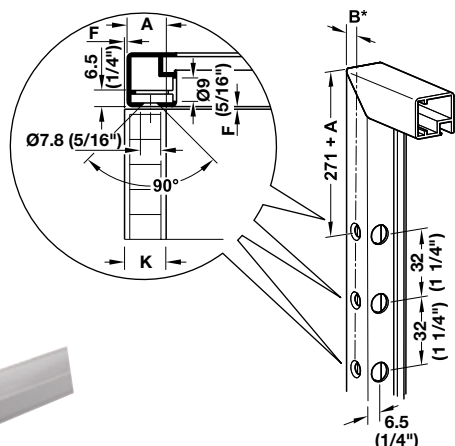
STRATO

- Soft and Silent closing
- Minimum cabinet depth 138 mm (5 7/16")
- Easy installation using the 32 mm system – only 4 screws to attach the fitting to each side of the cabinet
- Clip-on door brackets connect the door and the fitting
- For wood and aluminum framed doors
- Door stays open at the position at which it is released
- Can be used with a wide range of door widths by cutting the stabilizer rod to size
- Strength of fitting is adjustable to perfectly counterbalance the weight of your door
- 3D door adjustment: +/- 3 mm vertical & horizontal adjustment



Drilling pattern

$$*B = K - F - 5.5 \text{ (3/16")}$$



Dimensions in mm
Inches are approximate

Lift-Up Fitting

Material: Arms & Rod: Steel; Finish: matt chrome
Brackets & Cover caps: Plastic; Color: silver RAL 9006

| Amount of travel | Door height | Door weight | Item No. |
|--------------------|------------------------------------|------------------|------------|
| 295 (11 5/8") | 342 – 420 (13 7/16 – 16 9/16") | 3.3 – 8.8 lbs. | 372.68.831 |
| | | 8.8 – 15.8 lbs. | 372.68.832 |
| | | 14.3 – 25.3 lbs. | 372.68.833 |
| 395 (15 9/16") | 420 – 500 (16 9/16 – 19 11/16") | 4.4 – 7.7 lbs. | 372.68.801 |
| | | 7.7 – 15.4 lbs. | 372.68.802 |
| | | 14.3 – 24.2 lbs. | 372.68.803 |
| 450 (17 11/16") | 500 – 550 (19 11/16 – 21 5/8") | 17.6 – 35.2 lbs. | 372.68.804 |
| | | 8.4 – 22.2 lbs. | 372.68.813 |
| 48 (18 7/8") | 550 – 650 (21 5/8 – 25 9/16") | 13.2 – 33 lbs. | 372.68.814 |
| | | 7.7 – 22.2 lbs. | 372.68.823 |
| | | 13.2 – 31.9 lbs. | 372.68.824 |

Supplied With

Left and right handed arm
2 standard door brackets
2 cover caps
Mounting instructions

Note

Must order stabilizer rod separately

Door Mounting Bracket

- For aluminum frame doors with narrow profiles 35 mm (1 3/8") or less
- For left or right hand use

Material: Zinc alloy

| Finish | Item No. |
|---------------|------------|
| nickel-plated | 372.91.599 |

Set Supplied With

Screws (M4x10 mm)

Note

Fitting is visible with clear and acid-etch glass, back painted glass is recommended

Stabilizer Rod

- Can be cut to size with a standard chop saw
- Calculation to cut the stabilizer rod: inside cabinet width less 85 mm (3 3/8") = the desired length

Material: Aluminum, matt

| Length | Item No. |
|-----------------|------------|
| 477 (18 3/4") | 372.67.983 |
| 777 (30 9/16") | 372.67.985 |
| 1077 (42 3/8") | 372.67.987 |
| 1377 (54 3/16") | 372.67.989 |
| 1677 (66") | 372.67.990 |

Note

This item must be ordered separately – it is not included in the fitting set

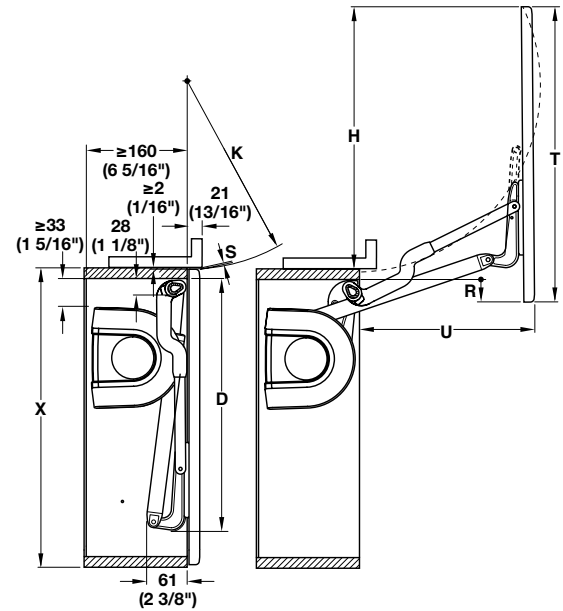


E-STRATO

- Electro-mechanical opening and closing system
- Quiet drive with soft opening and soft closing mechanism
- Controlled using individually positioned push-button sender
- Effortless manual operation in the event of power failure
- Obstacle detection with auto-stop on both sides

Note

These fittings are operated using a push-button sender at a frequency of 915 MHz.



| Door Height | X approx. | Y | D | H | K | R approx. | S | T | U approx. |
|--------------------------------|---------------|---------------------|-------------------|-------------------|---------------------|--------------|--------|----------------|-------------------|
| 342-420 (13 1/2" - 16 1/2") | 342 (13 1/2") | 186 (7 5/16") | 308 (12 1/8") | 295 (11 5/8") | 205 (8") | 28 (1 1/8") | 0.8 mm | 338 (13 5/16") | 200 (7 7/8") |
| | 350 (13 3/4") | | | | | 36 (1 7/16") | | 346 (13 5/8") | |
| | 420 (16 1/2") | | | | | 98 (3 7/8") | | 416 (16 3/8") | |
| 420-500 (16 1/2" - 19 5/8") | 420 (16 1/2") | 255 (10 1/16") | 380 (15") | 395 (15 9/16") | 271 (10 5/8") | 5 (3/16") | 1.2 mm | 414 (16 5/16") | 265 (10 7/16") |
| | 450 (17 3/4") | | | | | 35 (1 3/8") | | 444 (17 1/2") | |
| | 500 (19 5/8") | | | | | 85 (3 3/8") | | 494 (19 1/2") | |
| 500-550 (19 5/8" - 21 5/8") | 500 (19 5/8") | 293.5 (11 9/16") | 420 (16 1/2") | 450 (17 3/4") | 312.5 (12 5/16") | 30 (1 3/16") | 1.3 mm | 494 (19 1/2") | 295 (11 5/8") |
| | 550 (19 5/8") | | | | | 80 (3 1/8") | | 544 (21 3/8") | |
| | | | | | | | | | |
| 550-650 (21 5/8" - 25 1/2") | 550 (19 5/8") | 313.5 (12 3/8") | 440 (17 5/16") | 480 (18 5/8") | 332.5 (13 1/16") | 50 (2") | 1.3 mm | 544 (21 5/8") | 315 (12 3/8") |
| | 600 (23 5/8") | | | | | 100 (4") | | 594 (23 3/8") | |
| | 650 (25 1/2") | | | | | 150 (6") | | 644 (25 3/8") | |

Lift-Up Fitting

- Adjustment facility: Height/side of front ± 3 mm tilting angle of front, holding power and opening angle
- Nominal voltage: 18 V
- Input voltage: 100 – 240 V, 50 – 60 Hz

Material: Aluminum; Finish: silver colored anodized

| Door height | Door weight | Item No. |
|------------------------------------|------------------|------------|
| 342 – 420 (13 7/16 – 16 9/16") | 3.3 – 8.8 lbs. | 372.32.441 |
| | 7.7 – 15.4 lbs. | 372.32.442 |
| | 13.2 – 23.1 lbs. | 372.32.443 |
| 420 – 500 (16 9/16 – 19 11/16") | 4.4 – 7.7 lbs. | 372.32.451 |
| | 6.6 – 15.4 lbs. | 372.32.452 |
| | 13.2 – 23.1 lbs. | 372.32.453 |
| 500 – 550 (19 11/16 – 21 5/8") | 17.6 – 30.8 lbs. | 372.32.454 |
| | 8.36 – 19.8 lbs. | 372.32.461 |
| | 15.4 – 26.4 lbs. | 372.32.462 |
| 550 – 650 (21 5/8 – 25 9/16") | 9.9 – 22 lbs. | 372.32.471 |
| | 13.2 – 24.2 lbs. | 372.32.472 |

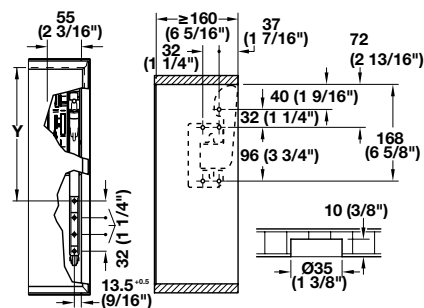
Supplied With

Left and right hand arms
2 cover caps
2 cam followers (left/right)
Control unit with female adapter
Power cable 2 m (78 3/4")

Push-button sender with battery
2 screw-on brackets for wood or wide aluminum doors
Mounting instructions

Note

Please order stabilizer rod and door mounting brackets for small frames separately.



Push-button Sender, optional

- With battery
- For recess installation in 35 mm (1 3/8") cup drilling
- Range approx.: 5 – 10 m (196 7/8" – 393 11/16")

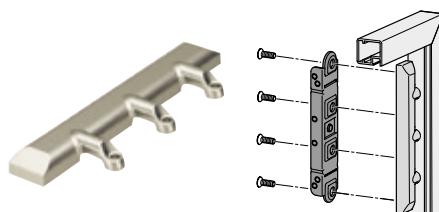
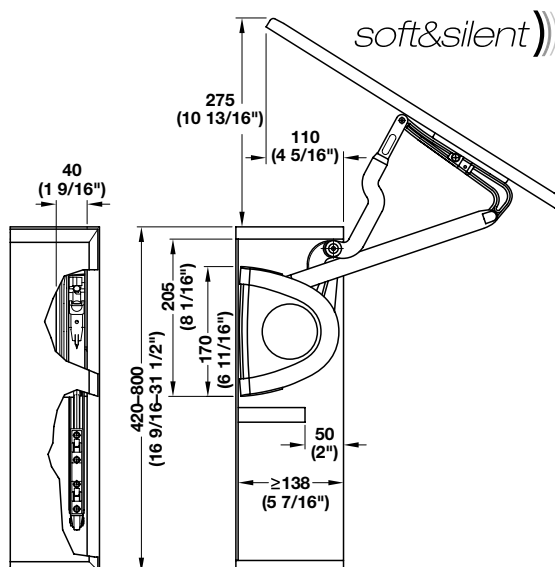
| | Item No. |
|--------------------------------|------------|
| push-button sender | 372.64.897 |
| replacement battery 2032/3.0 V | 002.99.032 |

| | |
|-----------------------|------------|
| Door mounting bracket | page 9.132 |
| Stabilizer rod | page 9.132 |

Dimensions in mm
Inches are approximate

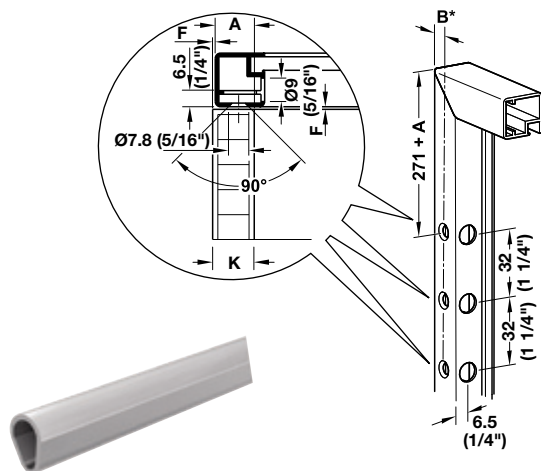
VERSO

- Soft and Silent closing
- Minimum cabinet depth 138 mm (5 7/16")
- Easy installation using the 32 mm system – only 4 screws to attach the fitting to each side of the cabinet
- Clip-on door brackets connect the door and the fitting
- For wood and aluminum framed doors
- Door stays open at the position at which it is released
- Can be used with a wide range of door widths by cutting the stabilizer rod to size
- Strength of fitting is adjustable to perfectly counterbalance the weight of your door
- 3D door adjustment: +/- 3 mm vertical & horizontal adjustment



Drilling pattern

$$*B = K - F - 5.5 (3/16")$$



Lift-up Fitting

Material: Arms & Rod: Steel; Finish: matt chrome
Brackets & Cover caps: Plastic
Color: silver RAL 9006



| Door height | Door weight | Item No. |
|-------------------|------------------|------------|
| 420 – 800 | 4.4 – 8.8 lbs. | 372.67.801 |
| 16 9/16 – 31 1/2" | 8.8 – 17.6 lbs. | 372.67.802 |
| | 11 – 22 lbs. | 372.67.803 |
| | 17.6 – 37.4 lbs. | 372.67.804 |

Supplied With

Left and right handed arm
2 standard door brackets
2 cover caps
Mounting instructions

Note

Please order stabilizer rod and door mounting brackets separately.

Door Mounting Bracket

- For aluminum frame doors with narrow profiles 35 mm (1 3/8") or less
- For left or right hand use

Material: Zinc alloy

| Finish | Item No. |
|---------------|------------|
| nickel-plated | 372.91.599 |

Set Supplied With

Screws (M4x10 mm)

Note

Fitting is visible with clear and acid-etch glass, back painted glass is recommended

Stabilizer Rod

- Can be cut to size with a standard chop saw
- Calculation to cut the stabilizer rod: inside cabinet width less 85 mm (3 3/8") = the desired length

Material: Aluminum, matt

| Length | Item No. |
|-----------------|------------|
| 477 (18 3/4") | 372.67.983 |
| 777 (30 9/16") | 372.67.985 |
| 1077 (42 3/8") | 372.67.987 |
| 1377 (54 3/16") | 372.67.989 |
| 1677 (66") | 372.67.990 |

Note

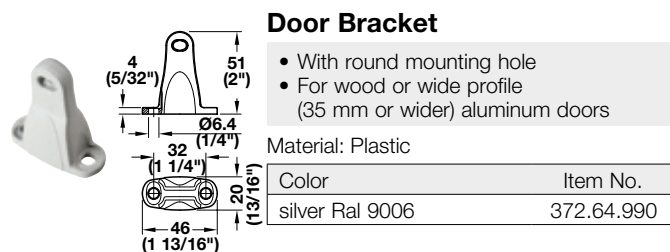
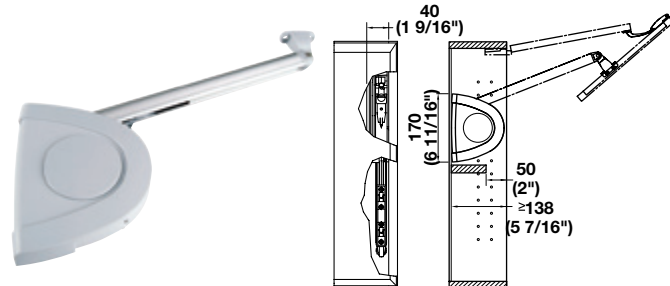
This item must be ordered separately – it is not included in the fitting set

SENSO

- Soft and Silent closing
- Minimum cabinet depth 138 mm (5 7/16")
- Easy installation using the 32 mm system – only 4 screws to attach the fitting to each side of the cabinet
- No tools required to connect the door and the fitting
- For wood and aluminum framed doors
- Safety feature – Middle hinges unsnap to prevent injury to jammed fingers without damaging hinge or door
- Door stays open at the position at which it is released
- Can be used with a wide range of door sizes
- Top and bottom door must be equal height
- Gap between top and bottom door should be 2 mm (2–4 mm if using the adjustable middle door hinge)
- Strength of fitting is adjustable to perfectly counterbalance the weight of your door
- 3D door adjustment: +/- 3 mm vertical & horizontal adjustment
- Opening angle is adjustable from 110° – 125° using the adjustable end stop

Note

Concealed hinges and plates are required for installation and must be ordered separately, refer to pages 9.12 - 9.64.

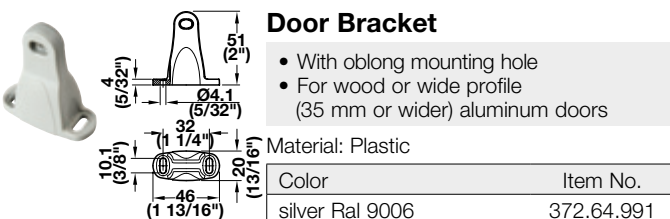


Door Bracket

- With round mounting hole
- For wood or wide profile (35 mm or wider) aluminum doors

Material: Plastic

| Color | Item No. |
|-----------------|------------|
| silver Ral 9006 | 372.64.990 |

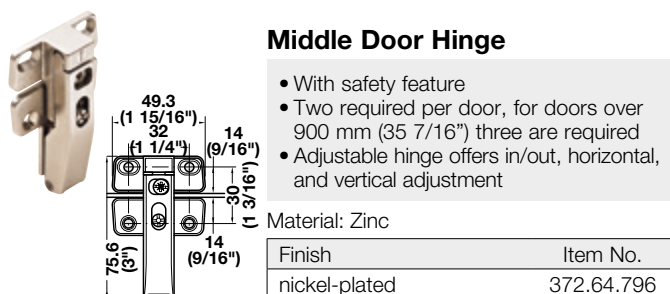


Door Bracket

- With oblong mounting hole
- For wood or wide profile (35 mm or wider) aluminum doors

Material: Plastic

| Color | Item No. |
|-----------------|------------|
| silver Ral 9006 | 372.64.991 |



Middle Door Hinge

- With safety feature
- Two required per door, for doors over 900 mm (35 7/16") three are required
- Adjustable hinge offers in/out, horizontal, and vertical adjustment

Material: Zinc

| Finish | Item No. |
|---------------|------------|
| nickel-plated | 372.64.796 |



soft&silent

Lift-up Fitting

Material: Arms & Rod: Steel; Finish: matt chrome
Brackets & Cover caps: Plastic
Color: silver Ral 9006



| Combined door height | Door weight | Item No. |
|-------------------------------------|------------------|------------|
| | 6.6 – 14.3 lbs. | 372.64.901 |
| 540 – 580 (21 1/4" – 22 13/16") | 13.2 – 26.4 lbs. | 372.64.902 |
| | 19.8 – 39.6 lbs. | 372.64.903 |
| | 26.4 – 53.9 lbs. | 372.64.904 |
| 580 – 640 (22 13/16" – 25 3/16") | 6.6 – 13.2 lbs. | 372.64.911 |
| | 13.2 – 24.2 lbs. | 372.64.912 |
| | 19.8 – 37.4 lbs. | 372.64.913 |
| | 26.4 – 50.6 lbs. | 372.64.914 |
| 640 – 700 (25 3/16" – 27 9/16") | 6.6 – 12.1 lbs. | 372.64.921 |
| | 12.1 – 22 lbs. | 372.64.922 |
| | 17.6 – 35.2 lbs. | 372.64.923 |
| | 23.1 – 47.3 lbs. | 372.64.924 |
| 700 – 780 (27 9/16" – 30 11/16") | 7.7 – 12.1 lbs. | 372.64.931 |
| | 11 – 19.8 lbs. | 372.64.932 |
| | 15.4 – 22 lbs. | 372.64.933 |
| | 19.8 – 44 lbs. | 372.64.934 |
| 780 – 840 (30 11/16" – 33 1/16") | 11 – 19.8 lbs. | 372.64.942 |
| | 15.4 – 28.6 lbs. | 372.64.943 |
| | 19.8 – 37.4 lbs. | 372.64.944 |
| 840 – 900 (33 7/16" – 35 7/16") | 12.1 – 26.4 lbs. | 372.64.953 |
| | 16.5 – 35.2 lbs. | 372.64.954 |

Supplied With

Left and right handed arm
2 cover caps
Mounting instructions



Adapter

- For narrow profile aluminum doors (less than 35 mm wide)
- For use with 372.64.991 door bracket

Material: Zinc

| Finish | Item No. |
|-------------|------------|
| matt chrome | 372.64.995 |

Note

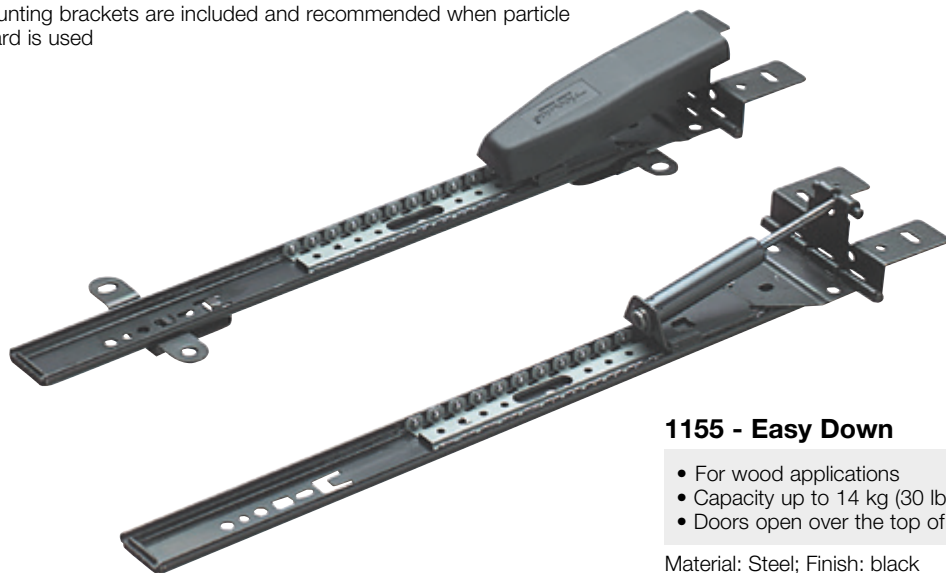
Adapter must be ordered in addition to a door bracket if using a narrow profile aluminum door.

Accuride

- The Easy-down requires few or no cabinet modifications, and is easy to install
- Door closing speed remains similar on light and heavy doors
- Increases safety in the home or workplace by slowing the speed and dampening overhead doors as they close
- Internal mounting allows cabinets to be positioned side to side
- Only one pair needed for doors up to 48" wide; no adjustments necessary to the closure mechanisms

Note

Mounting brackets are included and recommended when particle board is used



1155 - Easy Down

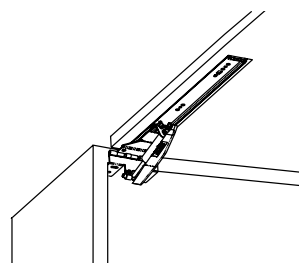
- For wood applications
- Capacity up to 14 kg (30 lbs.)/pair, doors up to 48" wide
- Doors open over the top of cabinet

Material: Steel; Finish: black

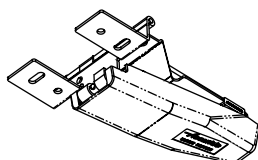
| Slide length | Slide travel | Item No. |
|--------------|---------------|------------|
| 18" (457) | 13 5/8" (346) | 408.22.346 |
| 20" (507) | 15 5/8" (397) | 408.22.351 |
| 22" (557) | 17 5/8" (448) | 408.22.356 |
| 24" (608) | 19 5/8" (499) | 408.22.361 |

Supplied With

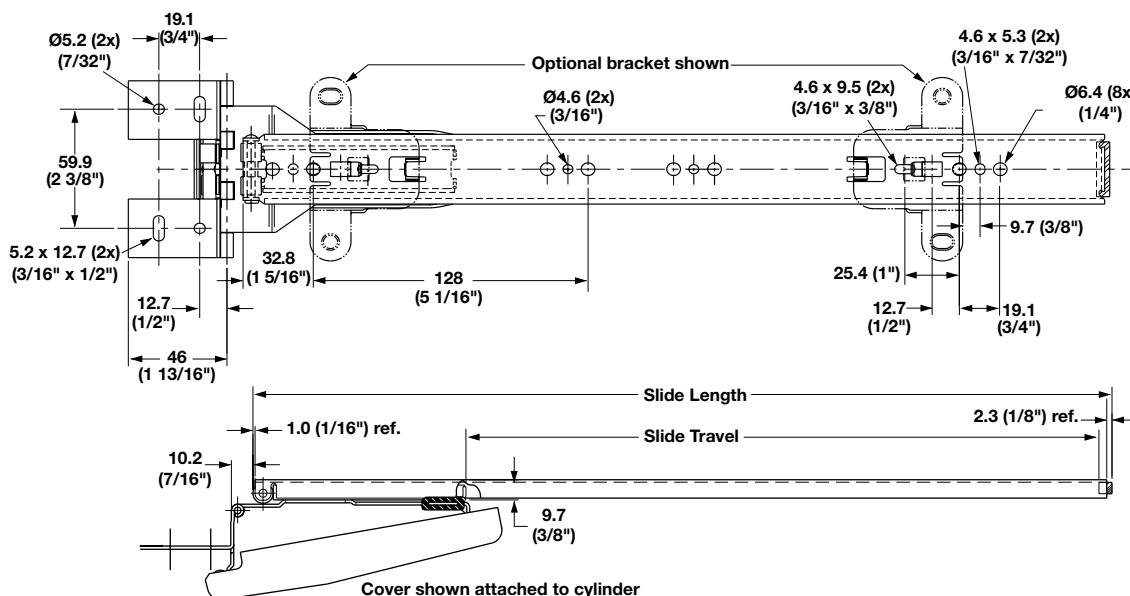
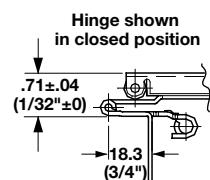
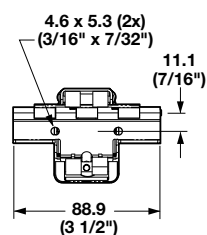
- 4 slides
- 4 cylinder covers
- 8 clip-on brackets
- Mounting screws



Cylinder Cover



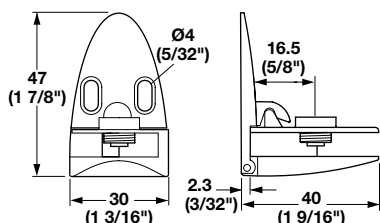
Cover shown attached to cylinder.



Badge for Lightweight Glass Doors

- Non-Bore Hinge and Lock

Opening angle: **90°** or **180°**



Top and Bottom Door Hinge

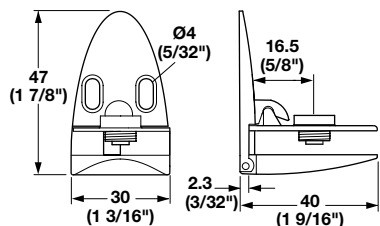
- Screw-mounted
- Stylish design for inset doors
- Edge mounts to glass door with one ABS plastic screw
- Horizontal adjustment with slotted holes
- For glass thicknesses 4 – 6 mm
- Maximum door size is:
1000 mm (39 3/8") x 400 mm (15 3/4")

Material: Zinc, die-cast

| Finish | Item No. |
|----------|------------|
| aluminum | 361.81.900 |

Supplied With

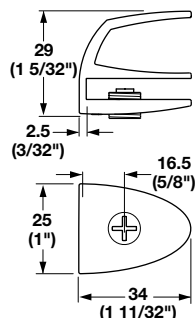
Top hinge
Bottom hinge
ABS screw



Center Door Hinge

Material: Zinc, die-cast; Finish: aluminum

| Handing | Item No. |
|---------|------------|
| right | 361.81.910 |
| left | 361.81.911 |



Single Door Handle

- Screw-mounted
- Can be used on door with bottom-mounted or top-mounted lock
- Edge mounts to glass door with one ABS plastic screw
- For glass thicknesses 4 – 5 mm

Material: Zinc, die-cast

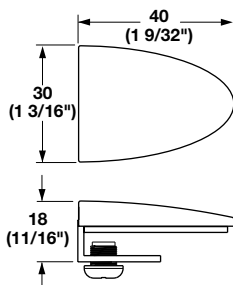
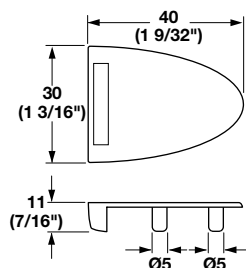
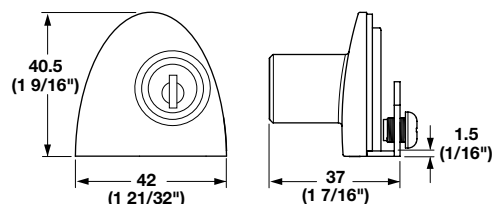
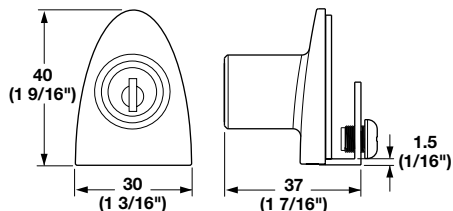
| Finish | Item No. |
|----------|------------|
| aluminum | 154.28.900 |

Supplied With

ABS screw

Badge for Lightweight Glass Doors

- Non-Bore Hinge and Lock for Lightweight Glass Doors



Single Door Lock

- Screw-mounted
- Available in keyed-different or keyed-alike option
- 400 key changes
- Edge mounts to glass door with two ABS plastic screws
- Closure travel: 180°
- For glass thicknesses 4 – 5 mm

Material: Zinc, die-cast; Finish: aluminum

| Keying | Item No. |
|------------|------------|
| different | 233.54.900 |
| alike #D20 | 233.54.901 |

Supplied With

2 keys
2 ABS plastic screws
Strike plate



Double Door Lock

Material: Zinc, die-cast; Finish: aluminum

| Keying | Item No. |
|------------|------------|
| different | 233.54.910 |
| alike #D20 | 233.54.911 |

Supplied With

2 keys
2 ABS plastic screws
Strike plate



Edge Strike Plate

- Press-fit mounted
- Glass door must be flush with edge of cabinet
- Edge mounts to cabinet
- Boring required for press-fit pins: Ø 5 mm x 9 mm

Material: Zinc, die-cast; Finish: aluminum

| Version | Item No. |
|-------------|------------|
| single door | 233.54.990 |
| double door | 233.54.991 |



Door Strike Plate

- Screw-mounted
- Must be used with the single door lock only in double door applications
- Edge mounts to glass door with two ABS plastic screws
- For glass thicknesses 4 – 5 mm

Material: Zinc, die-cast

| Finish | Item No. |
|----------|------------|
| aluminum | 233.54.992 |

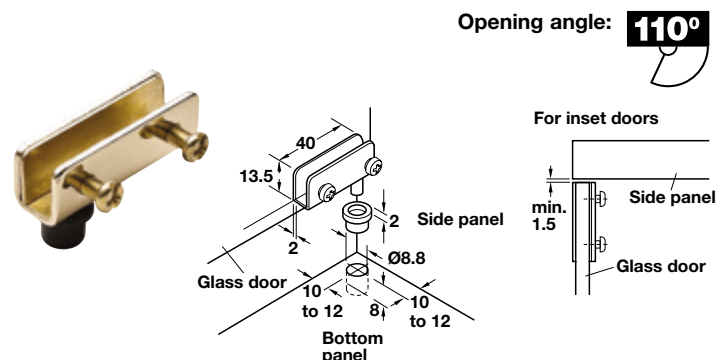
Supplied With

2 ABS plastic screws

For Lightweight Glass Doors – Non-Bore Hinge

Note

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



Simplex-Inset Glass Door Hinge

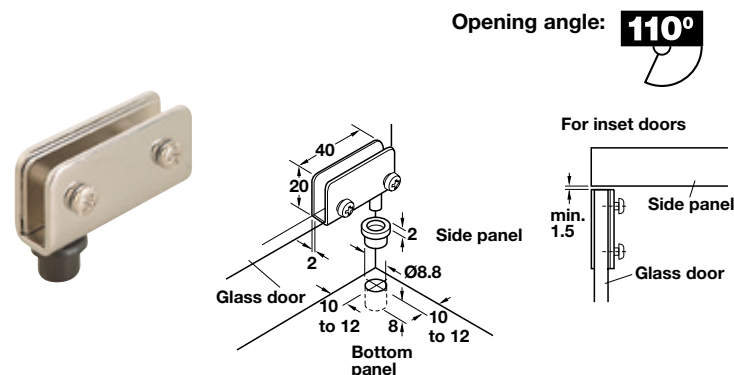
- With press-fit bushing
- Self-adhesive pressure plates and screws included
- Glass thickness to 5 mm (3/16")

Material: Steel; Bushing: Plastic

| Finish/Color | Item No. |
|---------------|------------|
| chrome-plated | 361.42.202 |
| brass-plated | 361.42.800 |
| black | 361.42.300 |

Supplied With

Left hinge
Right hinge



Simplex-Inset Glass Door Hinge

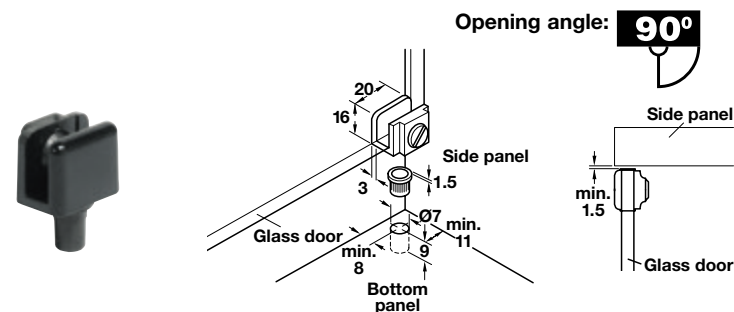
- With press-fit bushing
- Self-adhesive pressure plates and screws included
- Glass thickness to 6 mm (1/4")

Material: Steel; Bushing: Plastic

| Finish/Color | Item No. |
|---------------|------------|
| chrome-plated | 361.42.211 |
| black | 361.42.319 |

Supplied With

Left hinge
Right hinge



Decorative-Inset Glass Door Hinge

- With press-fit bushing
- Steel set screw with plastic pad
- Glass thickness to 6 mm (1/4")

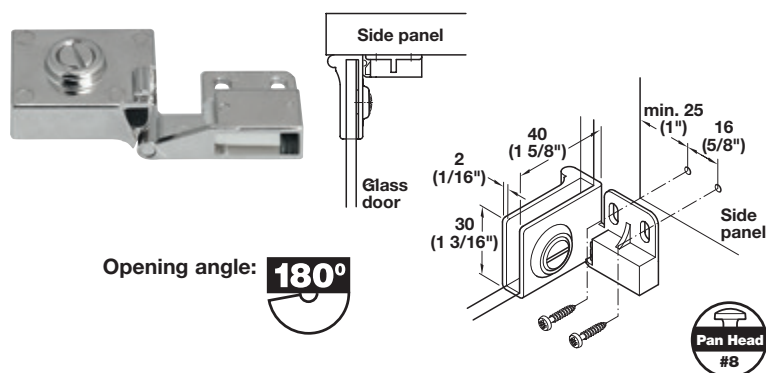
Material: Zinc, die-cast

Fastening screw: Steel; Bushing: Plastic

| Color | Item No. |
|------------|------------|
| matt black | 361.69.310 |



For Lightweight Glass Doors



All-Metal Hinge

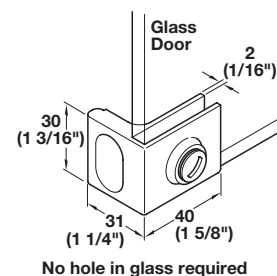
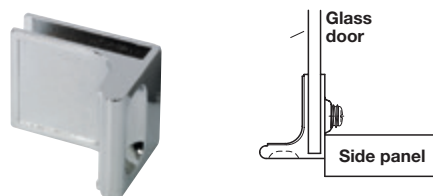
- With catch
- Econo version of a non-bore glass door hinge
- Screw-mounts to side of cabinet
- Vertical adjustment with oblong holes
- Maximum door weight: 4 kg (8.8 lbs.)
- Maximum door sizes: width 350 mm (13 3/4") height 800 mm (31 1/2")
- Minimum 2.5 mm gap between glass and panels
- Accommodates glass thickness up to 6 mm

Material: Zinc, die-cast

| Finish | Item No. |
|-----------------------------|------------|
| textured black-plated matt | 361.93.340 |
| textured chrome-plated matt | 361.93.240 |

Supplied With

Left hinge
Right hinge

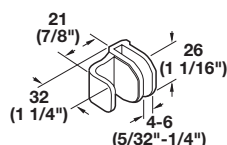


Glass Door Pull

- With plastic screw
- Glass thickness maximum 5 mm (3/16")

Material: Zinc, die-cast

| Finish | Item No. |
|-------------------------|------------|
| textured brass polished | 154.25.810 |



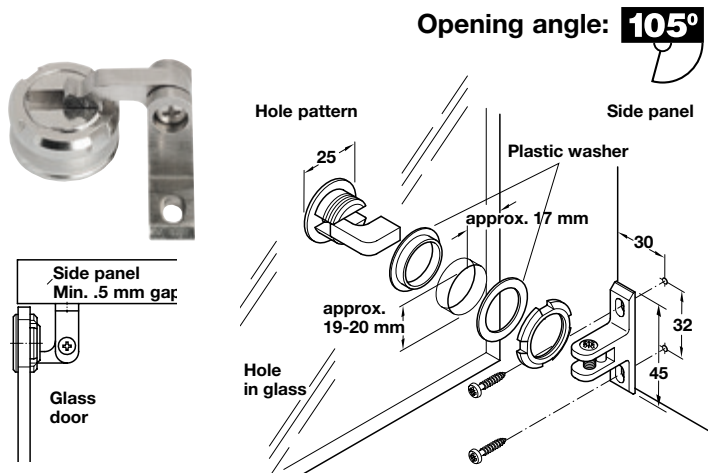
Glass Door Pull

Material: Zinc, die-cast

| Finish | Item No. |
|-------------|------------|
| nickel matt | 154.18.701 |

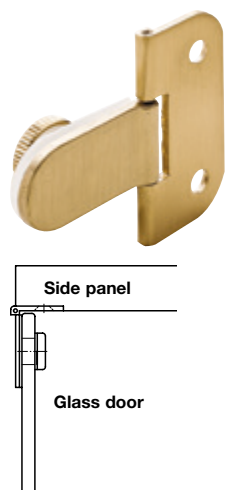
For Lightweight Glass Doors

- For inset doors
- Requires 7 mm drill hole in glass

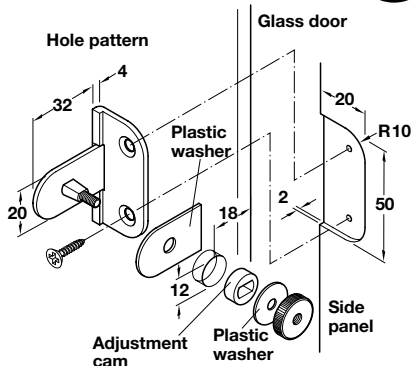


Note

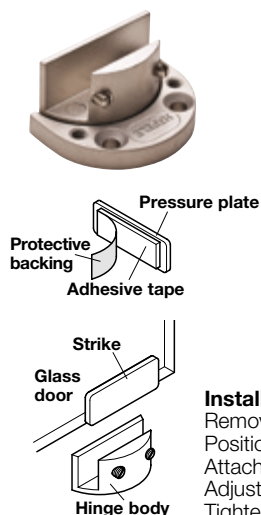
To determine the exact tab distance for your application, please make a trial mounting with 1/4" wood material.



Opening angle: 180°



Opening angle: 95°



Installation

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



Claronda Glass Door Hinge

- Screw-mounted
- Stylish solid brass hinges for inset doors
- Installation requires drilling a hole in glass
- Door and side panel components installed separately
- Door component detaches by removing mounting screw
- Reversible: can be used left or right
- For glass thicknesses 4 mm (3/16") to 6 mm (1/4")
- Max door size: Width: 450 mm (17 11/16")
Height: 700 mm (27 9/16")

Material: Solid Brass

| Finish | Item No. |
|------------------------|------------|
| chrome-plated polished | 361.47.207 |



Glass Door Hinge

- Screw-mounted
- Exposed-knuckle hinges with 3 mm (1/8") horizontal adjustment for inset doors
- Installation requires drilling a hole in glass
- Thumbscrew secures glass
- Reversible: can be used left or right
- For glass thicknesses 6 mm (1/4")
- For inset doors
- Max. door weight: 4 kg (8.8 lbs.)
- Max. door size: Width: 350 mm (13 3/4")
Height: 800 mm (31 1/2")

Material: Brass

| Finish | Item No. |
|--------------------|------------|
| brass matt | 361.85.501 |
| nickel-plated matt | 361.85.609 |



Glass Door Hinge

- Screw-mounted, for inset doors
- Reversible: can be used left or right
- For glass thicknesses 6 mm (1/4")
- Max. door weight: 4 kg (8.8 lbs.)
- Max. door size : Width: 350 mm (13 3/4")
Height: 800 mm (31 1/2")

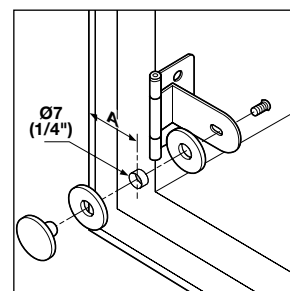
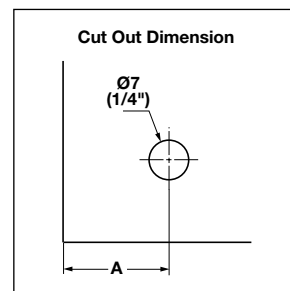
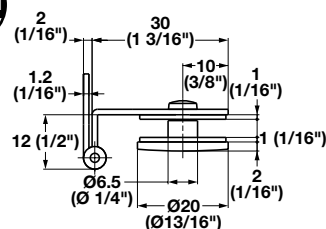
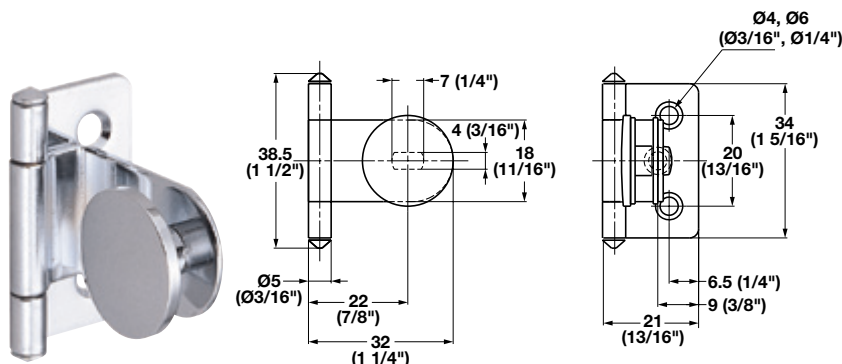
Material: Zinc, die-cast

| Finish | Item No. |
|------------------------|------------|
| nickel-plated matt | 361.49.603 |
| nickel-plated polished | 361.49.701 |

For Lightweight Glass Doors

- For inset doors
- Max door size (W x H): 450 mm (17 11/16") x 700 mm (27 9/16")
- Max door weight: 4 kg (8.8 lbs.)/pair
- Requires 7 mm drill hole in glass
- Opening angle 180°
- Screw-mounted

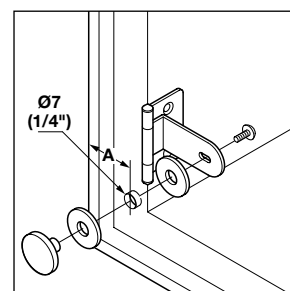
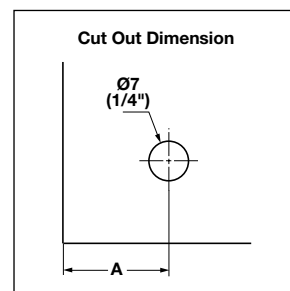
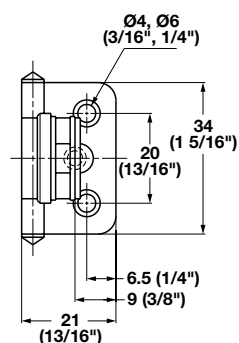
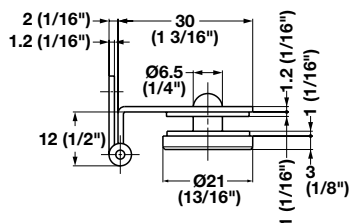
| Glass Thickness | A |
|-----------------|----|
| 4 (5/32") | 19 |
| 5 (13/16") | 18 |
| 6 (15/64") | 17 |



Material: Steel

| Finish | Item No. |
|---------------|------------|
| chrome-plated | 361.46.200 |

9

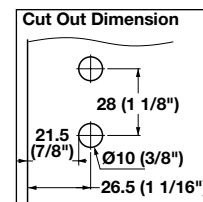
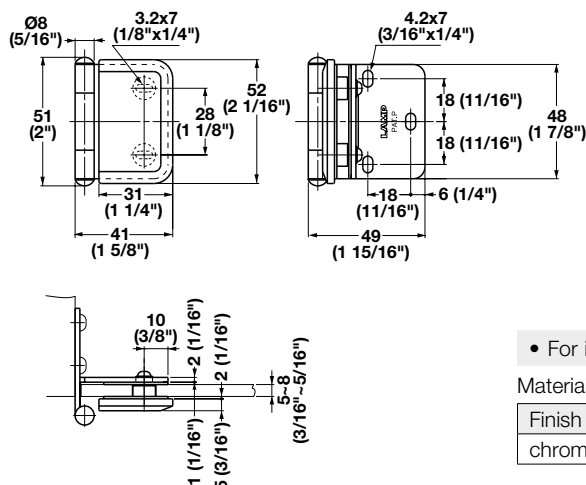


Material: 304 Stainless Steel

| Item No. |
|------------|
| 361.46.010 |

For Mid-size Glass Doors

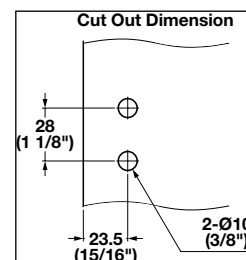
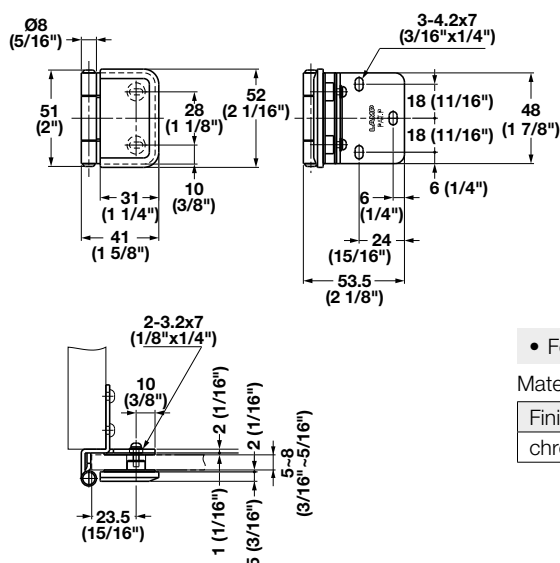
- For glass thickness: 5 – 8 mm
- For use in applications where resistance to corrosion is needed
- Max. door size: (W x H): 650 mm (25 9/16") x 900 mm (35 7/16")
- Max. door weight: 12 kg (26.4 lbs.)/ pair
- Requires 2 – 10 mm drill holes in the glass
- Screw-mounted



- For inset doors

Material: 304 Stainless Steel; Cover: Zinc

| Finish | Item No. |
|---------------|------------|
| chrome-plated | 361.46.040 |



- For half overlay doors

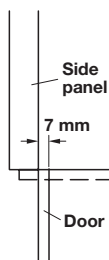
Material: 304 Stainless Steel; Cover: Zinc

| Finish | Item No. |
|---------------|------------|
| chrome-plated | 361.46.041 |

Salice – Glass Doors

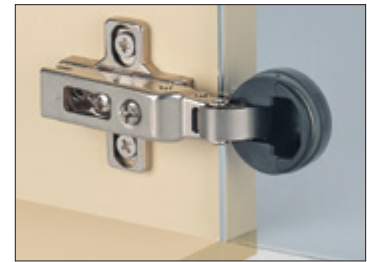
- Glass thickness 4 to 6 mm (3/16" to 1/4")
- Side panel thickness from 16 mm (5/8")
- Tab: 5.5 – 6.5 mm
- Trim shim and screws included

Max. door
offset at
90°

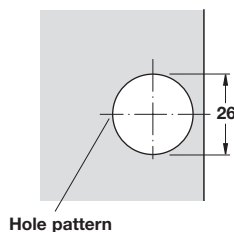


Protrusion shown is based on straight arm and smallest available mounting plate.

To determine the correct tab distance for your application, please make a trial mounting using 1/4" wood material.



Opening angle: **94°**



Hole pattern

Hinge

- Screw-mount
- Self-closing

Material: Steel

| Mounting | Hinge arm | Model | Hinge type | Item No. |
|----------------|-----------|---------|------------|------------|
| Full overlay | | C2C7A39 | 14.5 | 329.21.500 |
| Half overlay | | C2C7G39 | 5.5 | 329.21.511 |
| Inset mounting | | C2C7P39 | -2.5 | 329.21.532 |

Trim Caps

- D-shaped

Material: Plastic

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

Trim Caps

- Round

Material: Plastic

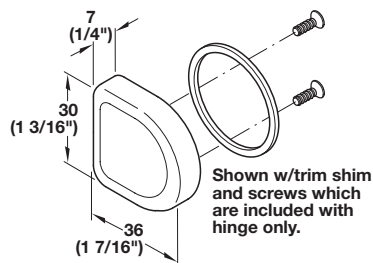
| Finish/Color | Model | Item No. |
|------------------------|---------|------------|
| chrome-plated polished | P2CTA06 | 329.22.210 |
| silver | P2CTA09 | 329.22.910 |
| black | P2CTAX3 | 329.22.310 |

Trim Caps

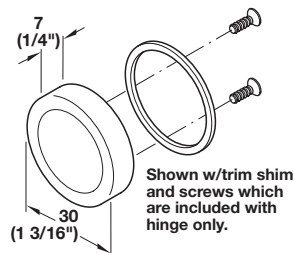
- For hinge arm

Material: Plastic

| Color | Model | Item No. |
|-------|----------|------------|
| white | S2XX83A1 | 329.18.700 |
| black | S2XX83A3 | 329.18.308 |



Shown w/trim shim and screws which are included with hinge only.



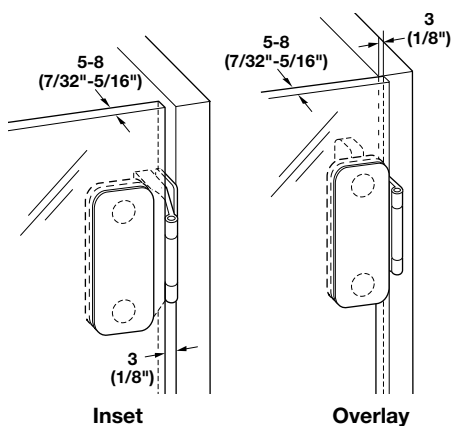
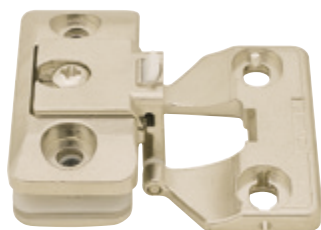
Shown w/trim shim and screws which are included with hinge only.



Aximat® – Glass Doors

- Available for overlay and inset doors
- Elegant front plate and only 5 mm (3/16") of knuckle is visible
- Integrated catch keeps doors closed, no additional magnetic catches required
- Height adjustment ± 1 mm with oblong holes
- Door overlay (side to side) adjustment +1 mm with oblong holes
- For technical information, refer to next page

Opening angle: **230°**



Glass Door Hinge, Glass to Wood

- Side panel thickness min. 19 mm (3/4")
- Screw-mounted

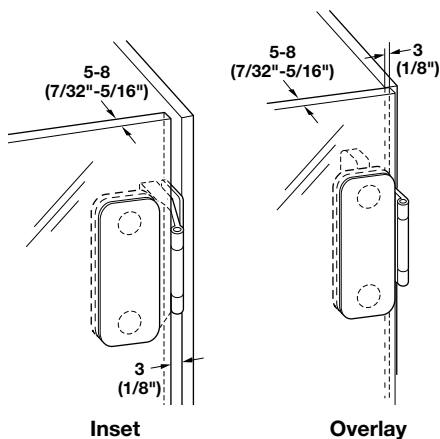
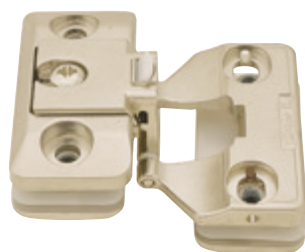
Material: Zinc; Finish: matt nickel

| Overlay | Item No. |
|---|------------|
| Door overlay 3 mm + knuckle 3 mm = 6 mm (1/4") | 344.89.740 |
| Inset = 3 mm (1/8") gap between door and side panel | 344.89.730 |

Supplied With

Mounting screws
Plastic protective spacers for glass

Opening angle: **270°**



Glass Door Hinge, Glass to Glass

- Screw-mounted

Material: Zinc; Finish: matt nickel

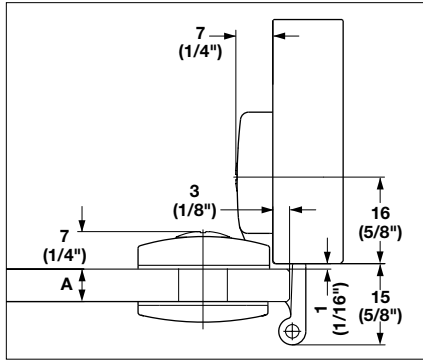
| Overlay | Item No. |
|---|------------|
| Door overlay 3 mm + knuckle 3 mm = 6 mm (1/4") | 344.88.710 |
| Inset = 3 mm (1/8") gap between door and side panel | 344.88.700 |

Supplied With

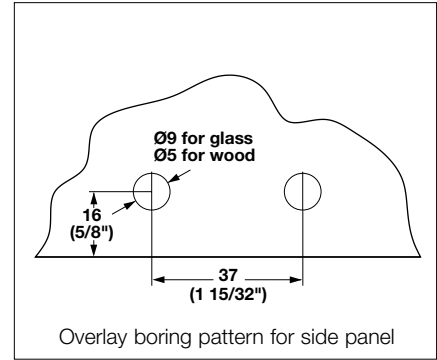
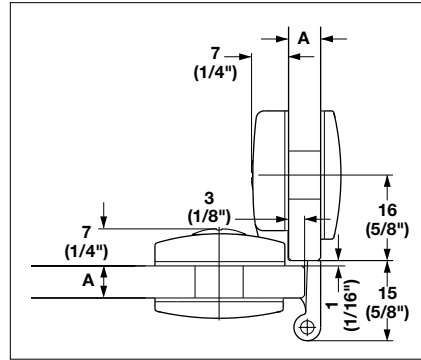
Mounting screws
Plastic protective spacers for glass

Aximat® – Technical Information

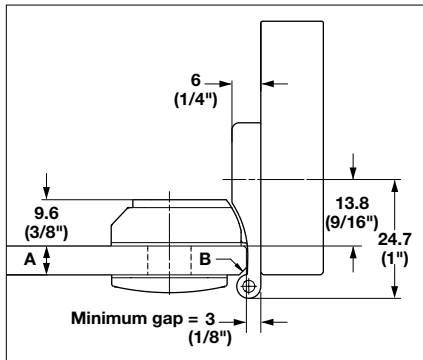
Overlay application – Glass to Wood



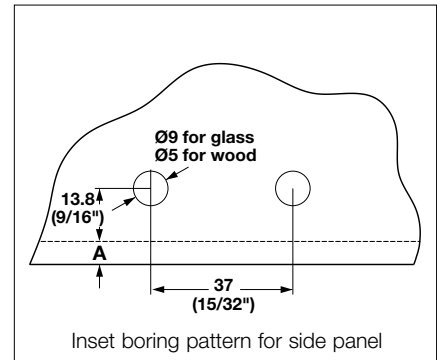
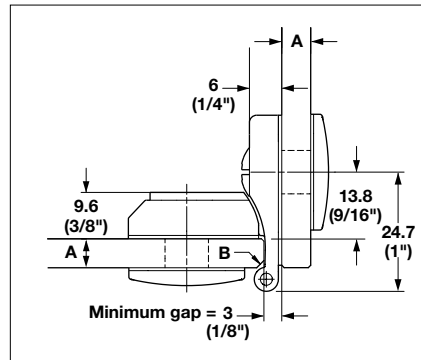
Overlay application – Glass to Glass



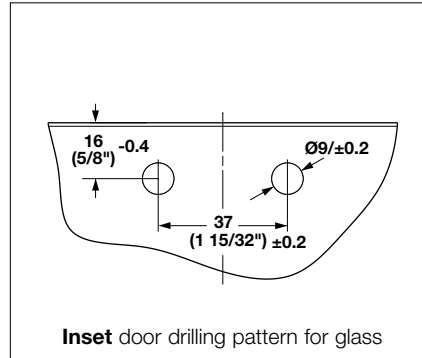
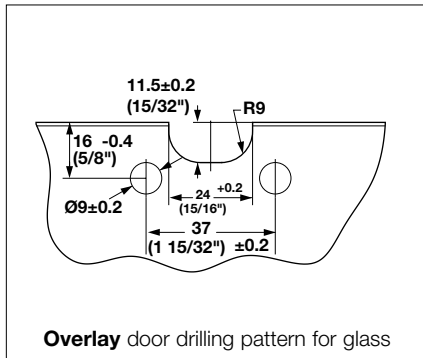
Inset application – Glass to Wood



Inset application – Glass to Glass

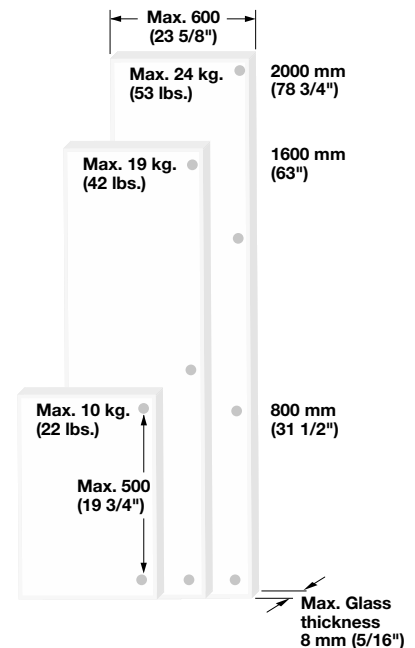


Drilling pattern glass door



Recommended number of hinges

Door width should not exceed height

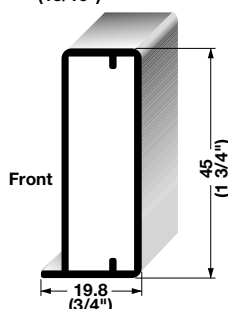
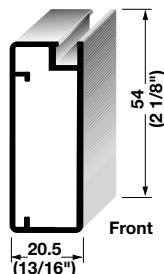
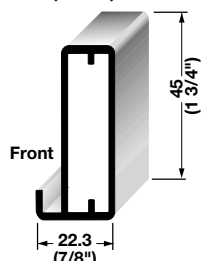
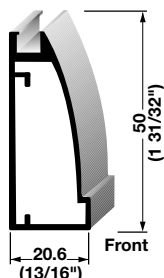
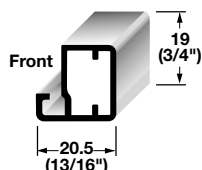
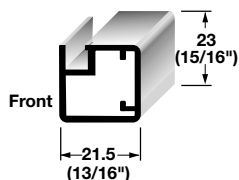


For inset doors, chamfer required, see below

| Glass thickness A | Required chamfer B |
|----------------------|-----------------------|
| 5 mm | 1 mm x 45° |
| 6 mm | 2 mm x 45° |
| 7 mm | 3 mm x 45° |
| 8 mm | 4 mm x 45° |

Custom Order Doors

- Select frame profile and glass
- Hinge type and overlay
- Provide details and dimensions on hinge sizes and drilling locations
- Hinged doors: Hinge attachment through machined cutouts



Profile

21.5 × 23 mm (13/16" × 15/16")

Material: Aluminum

| Finish | Item No. |
|-------------------------|------------|
| anodized, matt | 563.55.931 |
| brushed stainless steel | 563.55.031 |

Profile

20.5 × 19 mm (13/16" × 3/4")

Material: Aluminum

| Finish | Item No. |
|----------------|------------|
| anodized, matt | 563.55.911 |

Profile

20.6 × 50 mm (13/16" × 1 31/32")

Material: Aluminum

| Finish | Item No. |
|----------------|------------|
| anodized, matt | 563.56.921 |

Profile

22.3 × 45 mm (7/8" × 1 3/4")

Material: Aluminum

| Finish | Item No. |
|-------------------------|------------|
| anodized, matt | 563.56.931 |
| brushed stainless steel | 563.56.031 |

Profile

20.5 × 54 mm (13/16" × 2 1/8")

Material: Aluminum

| Finish | Item No. |
|-------------------------|------------|
| anodized, matt | 563.55.322 |
| brushed stainless steel | 563.55.022 |

Profile

19.8 × 45 mm (3/4" × 1 3/4")

Material: Aluminum

| Finish | Item No. |
|-------------------------|------------|
| anodized, matt | 563.56.961 |
| brushed stainless steel | 563.56.061 |

Dimensions in mm
Inches are approximate

Custom Order Glass

- Specify glass for use with aluminum glass profiles 563.55, 563.56 series
- Please inquire for additional glass options
- All etch finishes use low iron glass and acid etch front
- Low Iron glass, available upon request



Soft Etch



Black Etch



Caffe Etch



Ice White Clear



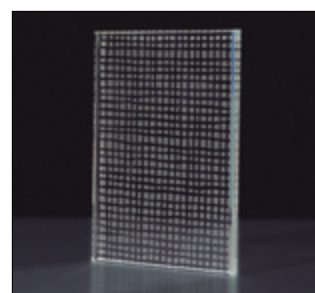
Ice White Etch



Mandarino Etch



Pearl Etch



Quadrio



Red



Silk Etch



Teal



Black Clear Glass



Black



Designer White



Kiwi

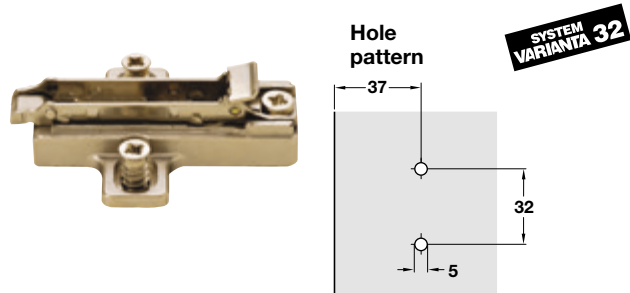
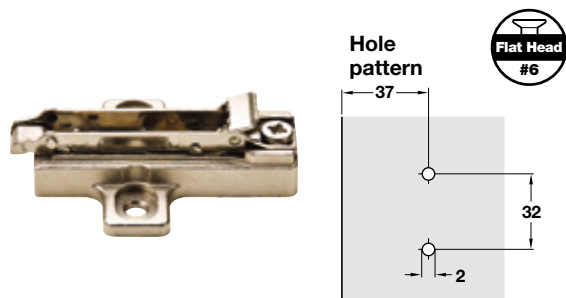
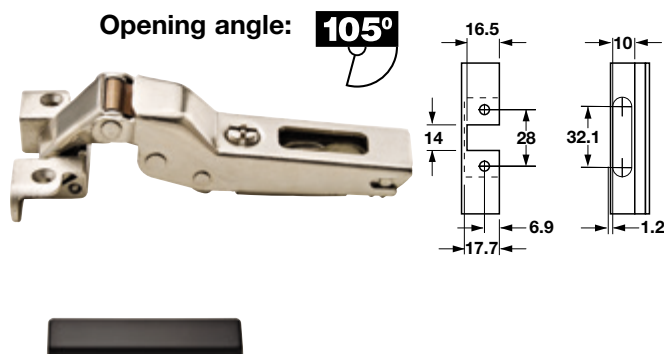


Beige

Dimensions in mm
Inches are approximate

Salice

- Developed for use with metal profiles
- A Ø3.5 x 9.5 mm (#6 x 3/8") countersunk sheet metal screw to attach hinge to frame is recommended
- To be used with aluminum doors on page 9.140



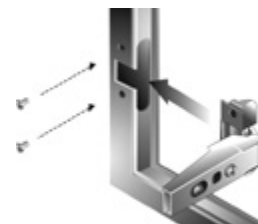
Mounting Screws

- 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 |

Packing: 50 pcs.



Hinge

- For use with profiles: 563.55.931, 563.55.031, 563.55.911
- Screw-mount
- 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 |

Trim Caps

- For hinge arm

Material: Plastic; Finish: nickel-plated

| Color | Model | Item No. |
|-------|----------|------------|
| white | S2XX83A1 | 329.18.700 |
| black | S2XX83A3 | 329.18.308 |

Wing Mounting Plates

- For screw-mount
- Spring lever
- With independent vertical and depth adjustment

Material: Steel; Finish: nickel-plated

| Reinforcement | Model | Item No. |
|---------------|---------|------------|
| 0 | BAR3R09 | 329.71.500 |
| 2 | BAR3R29 | 329.71.502 |
| 3 | BAR3R39 | 329.71.503 |
| 6 | BAR3R69 | 329.71.506 |
| 9 | BAR3R99 | 329.71.508 |
| 12 | BAR3RC9 | 329.71.509 |

Wing Mounting Plates

- For screw-mount in system holes
- Spring lever
- With independent vertical and depth adjustment
- with pre-installed 11 mm Euro screws

Material: Steel; Finish: nickel-plated

| Reinforcement | Model | Item No. |
|---------------|------------|------------|
| 0 | BARGR09/16 | 329.71.510 |
| 2 | 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 |

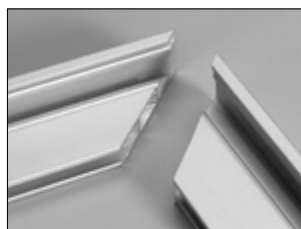
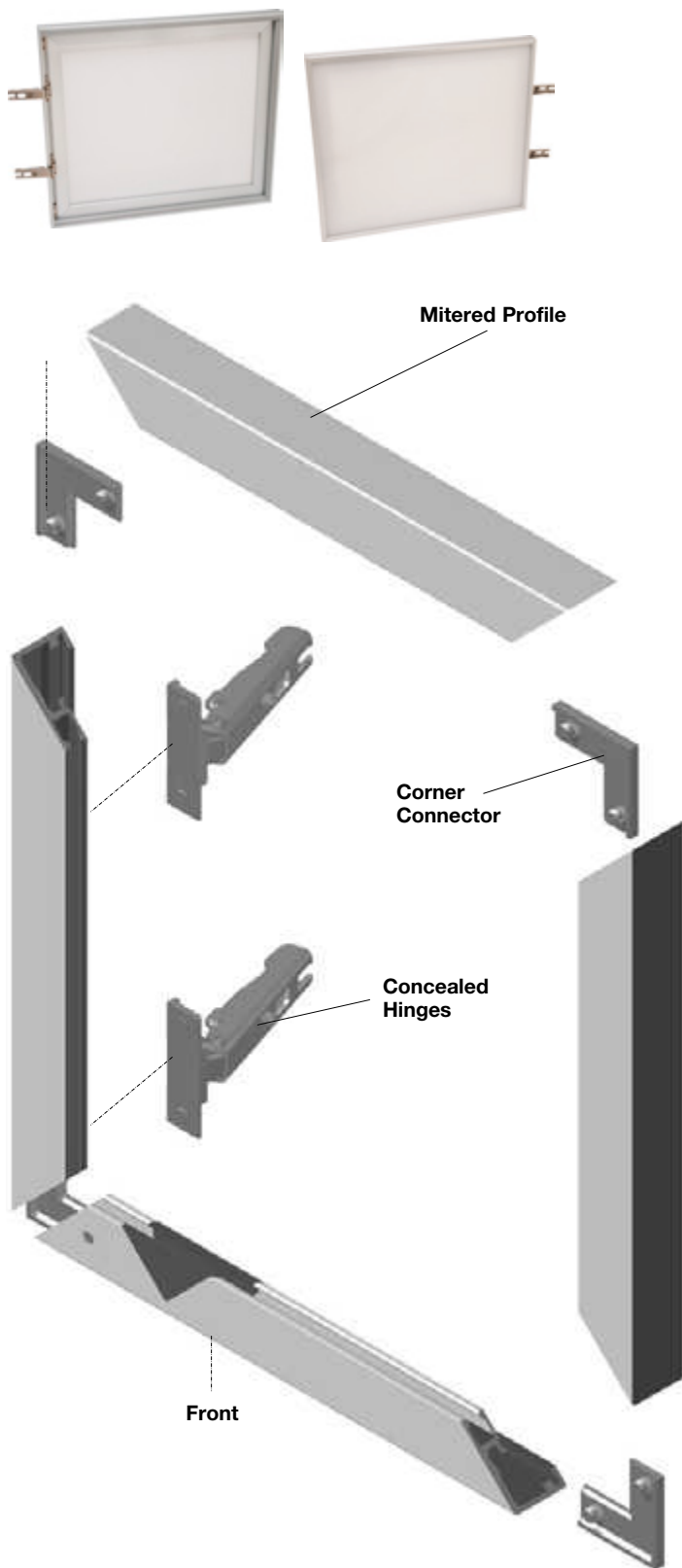
- For center/common panels
- With pre-installed 7.5 mm Euro screws

Material: Steel; Finish: nickel-plated

| Reinforcement | Model | Item No. |
|---------------|------------|------------|
| 0 | BARGR09/20 | 329.71.530 |
| 3 | BARGR39/20 | 329.71.533 |

Cut-To-Size

- Easy to assemble aluminum door that requires no special drilling for the hinges
- To be used with glass or panels with a thickness of 4 mm (1/8" to 5/32")



1. Miter the ends 45°.

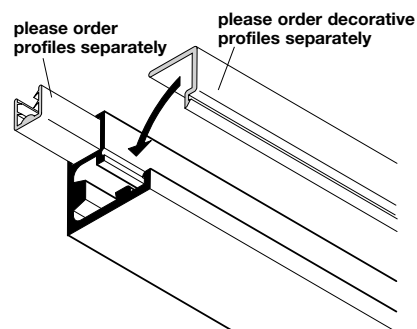


2. Slide the brackets into the ends.



3. Slide the hinges into the sides.

Inside aluminum door profile



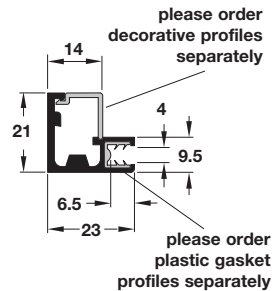
Dimensional data not binding. We reserve the right to alter specifications without notice.

Cut-To-Size

- Easy fabrication, only a 45° miter cut is needed
- Ability to make individually sized frames
- Aluminum saw blade recommended for miter cut
- No drilling required - hinges slide into aluminum profile

Special Note

These frames can not be used with lift systems on pages 9.125 – 9.128



Profile

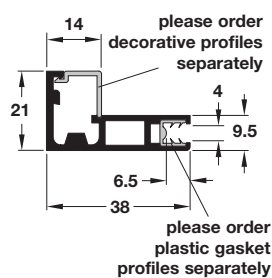
- For glass thickness: 4 mm (1/8" – 5/32")
- Length: 2.5 m (8' 2 7/16")

Material: Aluminum

| Color/Finish | Item No. |
|-------------------------|------------|
| silver colored anodized | 563.25.901 |
| stainless steel look | 563.25.002 |

Note

Glass size – 34 mm less height and width of aluminum frame



Profile

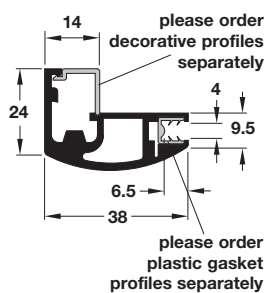
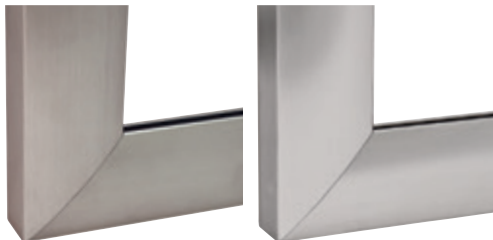
- For glass thickness: 4 mm (1/8" – 5/32")
- Length: 2.5 m (8' 2 7/16")

Material: Aluminum

| Color/Finish | Item No. |
|-------------------------|------------|
| silver colored anodized | 563.26.901 |
| stainless steel look | 563.26.002 |

Note

Glass size - 65 mm less height and width of aluminum frame



Profile

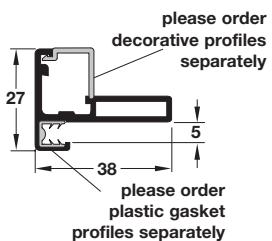
- For glass thickness: 4 mm (1/8" – 5/32")
- Length: 2.5 m (8' 2 7/16")

Material: Aluminum

| Color/Finish | Item No. |
|-------------------------|------------|
| silver colored anodized | 563.27.901 |
| stainless steel look | 563.26.001 |

Note

Glass size - 65 mm less height and width of aluminum frame



Profile

- For glass thickness: 4 mm (1/8" – 5/32")
- Length: 2.5 m (8' 2 7/16")

Material: Aluminum

| Color/Finish | Item No. |
|-------------------------|------------|
| silver colored anodized | 563.26.911 |
| stainless steel look | 563.26.112 |

Note

Glass size – 6 mm less height and width of aluminum frame
Decorative profiles and plastic gasket on next page

Profile can not be used for inset application

Cut-To-Size – Accessories

- No drilling required
- Pre-attached slotted screws secure hinge to aluminum frame



H-Series Hinges, 110° Hinge, Self-closing

Material: Steel; Finish: nickel-plated

| Mounting | Hinge arm | Item No. |
|----------------|-----------|------------|
| Full overlay | | 563.25.940 |
| Half overlay | | 563.25.941 |
| Inset mounting | | 563.25.942 |

Plastic Gasket Profile

- For glass or panel inserts
 - For glass panel thickness of 4 mm 5/32"
 - Insert into frame before mounting the glass panels
- Length: 2.5 m (8' 2 7/16")

Material: Plastic, transparent

| | Item No. |
|--|------------|
| | 563.25.921 |

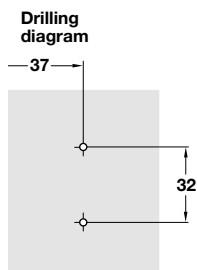
Decorative Profile

- For mounting on inside door frame of aluminum profile
- Length: 2.5 m (8' 2 7/16")

Material: Plastic

| Color | Item No. |
|-------------------------|------------|
| silver colored anodized | 563.25.931 |

9



Flanged Mounting Plate

- One piece, screw-mounted
- With ready-installed hinge-arm retaining screws
- Edge spacing 37 mm
- With vertical adjustment (via slots)

Material: Steel; Finish: nickel-plated matt

| Reinforcement | Item No. |
|---------------|------------|
| 4 mm | 316.51.504 |

Cut-To-Size – Accessories

- No drilling required
- Pre-attached slotted screws secure hinge to aluminum frame



Corner Connector

- With 2 clamping screws for 23 mm wide aluminum frame profiles to connect miters

Material: Zinc alloy

| Finish | Item No. |
|---------------|------------|
| nickel-plated | 563.25.910 |

Note

4 pcs. required per frame



Corner Connector

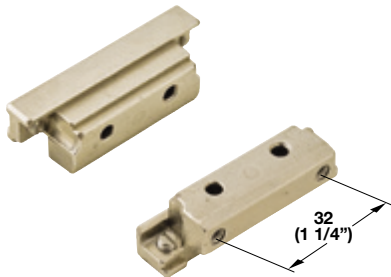
- With 4 clamping screws for 38 mm wide aluminum frame profiles to connect miters

Material: Zinc alloy

| Finish | Item No. |
|---------------|------------|
| nickel-plated | 563.25.912 |

Note

4 pcs. required per frame



Note

Can be used with Duo lid stay and 373.66.693 as the door bracket, refer to page 9.117.

Lid Stay Adapter Bracket

- For glass or panel inserts
- For glass panel thickness of 4 mm 5/32"
- Insert into frame before mounting the glass panels

Material: Zinc

| Finish | Item No. |
|---------------|------------|
| nickel-plated | 563.25.960 |

Supplied With

2 mounting screws

Dimensional data not binding. We reserve the right to alter specifications without notice.

| Item No. | Page No. | Item No. | Page No. | Item No. | Page No. | Item No. | Page No. |
|------------|--------------|------------|----------|------------|-------------------------------|------------|------------|
| 001.04.110 | 9.83 | 315.01.711 | 9.59 | 329.11.400 | 9.33 | 329.25.407 | 9.34 |
| 001.41.293 | 9.78 | 315.01.740 | 9.60 | 329.11.410 | 9.33 | 329.25.417 | 9.34 |
| 001.89.140 | 9.46 | 315.02.500 | 9.59 | 329.11.430 | 9.25 | 329.25.457 | 9.24 |
| 002.13.810 | 9.65 | 315.02.700 | 9.59 | 329.11.450 | 9.25 | 329.26.500 | 9.31 |
| 002.13.811 | 9.65 | 315.02.701 | 9.59 | 329.11.506 | 9.33 | 329.27.400 | 9.27 |
| 002.13.812 | 9.65 | 315.02.702 | 9.59 | 329.11.580 | 9.33 | 329.27.401 | 9.27 |
| 002.13.813 | 9.65 | 315.03.500 | 9.58 | 329.16.500 | 9.19 | 329.27.402 | 9.27 |
| 002.13.814 | 9.65 | 315.03.501 | 9.58 | 329.16.519 | 9.19 | 329.27.410 | 9.27 |
| 002.13.815 | 9.65 | 315.03.502 | 9.58 | 329.16.520 | 9.19 | 329.27.411 | 9.27 |
| 002.13.816 | 9.65 | 315.03.510 | 9.58 | 329.16.555 | 9.19 | 329.27.412 | 9.27 |
| 002.13.817 | 9.65 | 315.03.511 | 9.58 | 329.16.564 | 9.19 | 329.27.414 | 9.24 |
| 002.99.032 | 9.133 | 315.03.512 | 9.58 | 329.16.580 | 9.20 | 329.27.500 | 9.17 |
| 003.50.220 | 9.83 | 315.04.501 | 9.59 | 329.16.581 | 9.20 | 329.27.510 | 9.17 |
| 003.50.221 | 9.83 | 315.04.502 | 9.59 | 329.16.582 | 9.20 | 329.28.320 | 9.18 |
| 008.28.044 | 9.114 | 315.04.510 | 9.59 | 329.17.350 | 9.20 | 329.28.321 | 9.18 |
| 008.28.100 | 9.119, 9.128 | 315.04.511 | 9.59 | 329.17.351 | 9.20 | 329.28.323 | 9.18 |
| 010.77.104 | 9.86 | 315.05.511 | 9.59 | 329.17.352 | 9.20 | 329.28.324 | 9.18 |
| 010.77.106 | 9.87, 9.88 | 315.05.540 | 9.60 | 329.17.353 | 9.20 | 329.28.400 | 9.18 |
| 010.77.206 | 9.87, 9.88 | 315.98.500 | 9.61 | 329.17.400 | 9.19 | 329.28.401 | 9.18 |
| 010.77.304 | 9.86 | 315.98.502 | 9.61 | 329.17.401 | 9.19 | 329.28.402 | 9.18 |
| 010.77.504 | 9.86 | 315.98.504 | 9.61 | 329.17.402 | 9.19 | 329.28.403 | 9.18 |
| 010.77.506 | 9.87, 9.88 | 315.98.510 | 9.61 | 329.17.403 | 9.19 | 329.28.410 | 9.18 |
| 010.77.604 | 9.86 | 315.98.512 | 9.61 | 329.17.410 | 9.19 | 329.28.411 | 9.18 |
| 010.77.606 | 9.87, 9.88 | 315.98.514 | 9.61 | 329.17.411 | 9.19 | 329.28.412 | 9.18 |
| 010.77.904 | 9.86 | 315.98.520 | 9.61 | 329.17.412 | 9.19 | 329.28.413 | 9.18 |
| 010.77.906 | 9.87, 9.88 | 315.98.522 | 9.61 | 329.17.413 | 9.19 | 329.28.414 | 9.23 |
| 010.94.902 | 9.149 | 315.98.524 | 9.61 | 329.17.420 | 9.20 | 329.28.416 | 9.23 |
| 013.19.731 | 9.26 | 315.98.530 | 9.61 | 329.17.421 | 9.20 | 329.28.417 | 9.23 |
| 013.20.716 | 9.6 | 315.98.532 | 9.61 | 329.17.422 | 9.20 | 329.28.430 | 9.18 |
| 013.20.743 | 9.6 | 315.98.534 | 9.61 | 329.17.430 | 9.20 | 329.28.431 | 9.18 |
| 013.27.702 | 9.10 | 315.98.580 | 9.61 | 329.17.431 | 9.20 | 329.28.432 | 9.18 |
| 015.33.544 | 9.93 | 315.99.500 | 9.61 | 329.17.432 | 9.20 | 329.28.433 | 9.18 |
| 022.35.109 | 9.44 | 315.99.503 | 9.61 | 329.17.433 | 9.20 | 329.28.451 | 9.23 |
| 154.18.701 | 9.140 | 316.51.504 | 9.152 | 329.17.453 | 9.23 | 329.28.500 | 9.17 |
| 154.25.210 | 9.140 | 325.00.708 | 9.98 | 329.17.507 | 9.19 | 329.28.502 | 9.17 |
| 154.25.810 | 9.140 | 325.00.726 | 9.98 | 329.17.510 | 9.19 | 329.31.000 | 9.16 |
| 154.28.900 | 9.137 | 325.02.702 | 9.98 | 329.17.516 | 9.19 | 329.31.002 | 9.16 |
| 233.54.900 | 9.138 | 327.20.000 | 9.64 | 329.17.520 | 9.19 | 329.31.003 | 9.16 |
| 233.54.901 | 9.138 | 327.20.002 | 9.64 | 329.17.552 | 9.19 | 329.31.010 | 9.16 |
| 233.54.910 | 9.138 | 327.30.000 | 9.64 | 329.17.559 | 9.23 | 329.31.012 | 9.16 |
| 233.54.911 | 9.138 | 327.30.030 | 9.64 | 329.17.561 | 9.19 | 329.31.013 | 9.16 |
| 233.54.990 | 9.138 | 329.00.084 | 9.46 | 329.17.562 | 9.19 | 329.31.210 | 9.28 |
| 233.54.991 | 9.138 | 329.00.093 | 9.46 | 329.17.568 | 9.23 | 329.31.212 | 9.28 |
| 233.54.992 | 9.138 | 329.02.580 | 9.21 | 329.17.569 | 9.23 | 329.31.213 | 9.28 |
| 251.79.600 | 9.85 | 329.03.503 | 9.21 | 329.17.570 | 9.19 | 329.31.500 | 9.16, 9.28 |
| 251.79.602 | 9.85 | 329.03.512 | 9.21 | 329.17.579 | 9.23 | 329.31.502 | 9.16, 9.28 |
| 251.79.604 | 9.85 | 329.03.558 | 9.21 | 329.17.580 | 9.20 | 329.31.503 | 9.16, 9.28 |
| 307.01.627 | 9.93 | 329.03.567 | 9.21 | 329.17.581 | 9.20 | 329.31.510 | 9.16, 9.28 |
| 307.01.636 | 9.93 | 329.03.568 | 9.21 | 329.17.582 | 9.20 | 329.31.512 | 9.16, 9.28 |
| 307.04.708 | 9.93 | 329.03.580 | 9.21 | 329.17.583 | 9.20 | 329.31.513 | 9.16, 9.28 |
| 307.05.705 | 9.93 | 329.03.582 | 9.21 | 329.17.800 | 9.37 | 329.31.515 | 9.33 |
| 311.65.700 | 9.63 | 329.03.590 | 9.21 | 329.17.800 | 9.125 | 329.31.520 | 9.16 |
| 311.66.511 | 9.60 | 329.03.591 | 9.21 | 329.17.802 | 9.37 | 329.31.522 | 9.16 |
| 311.72.560 | 9.60 | 329.03.592 | 9.21 | 329.17.803 | 9.37 | 329.31.523 | 9.16 |
| 311.90.520 | 9.63 | 329.04.608 | 9.29 | 329.17.810 | 9.37 | 329.31.530 | 9.16 |
| 311.90.521 | 9.63 | 329.04.617 | 9.29 | 329.17.810 | 9.125 | 329.31.532 | 9.16 |
| 311.90.522 | 9.63 | 329.04.635 | 9.29 | 329.17.812 | 9.37 | 329.31.533 | 9.16 |
| 311.90.560 | 9.63 | 329.05.605 | 9.29 | 329.17.813 | 9.37 | 329.32.500 | 9.46 |
| 311.90.562 | 9.63 | 329.05.614 | 9.29 | 329.18.308 | 9.16, 9.17, 9.19, | 329.32.509 | 9.26 |
| 311.94.500 | 9.74 | 329.05.632 | 9.29 | | 9.20, 9.21, 9.31, 9.33, 9.34, | 329.32.530 | 9.46 |
| 311.94.560 | 9.74 | 329.07.609 | 9.27 | | 9.35, 9.144, 9.149 | 329.32.539 | 9.26 |
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| 311.95.561 | 9.74 | 329.07.620 | 9.27 | | 9.20, 9.21, 9.31, 9.33, 9.34, | 329.35.510 | 9.33 |
| 311.98.500 | 9.63 | 329.07.654 | 9.27 | | 9.35, 9.144, 9.149 | 329.44.301 | 9.38 |
| 311.98.502 | 9.63 | 329.07.663 | 9.27 | 329.19.600 | 9.31 | 329.44.330 | 9.39 |
| 311.98.504 | 9.63 | 329.07.670 | 9.27 | 329.19.610 | 9.31 | 329.44.331 | 9.39 |
| 311.98.505 | 9.63 | 329.07.680 | 9.27 | 329.19.620 | 9.31 | 329.44.332 | 9.39 |
| 311.98.510 | 9.63 | 329.07.681 | 9.27 | 329.19.640 | 9.25 | 329.44.371 | 9.38 |
| 311.98.512 | 9.63 | 329.07.690 | 9.27 | 329.21.500 | 9.144 | 329.44.391 | 9.38 |
| 311.98.514 | 9.63 | 329.07.692 | 9.27 | 329.21.511 | 9.144 | 329.44.401 | 9.38 |
| 311.98.515 | 9.63 | 329.07.693 | 9.27 | 329.21.532 | 9.144 | 329.44.431 | 9.39 |
| 311.98.580 | 9.74 | 329.07.800 | 9.37 | 329.22.210 | 9.144 | 329.44.432 | 9.39 |
| 312.07.700 | 9.84 | 329.07.802 | 9.37 | 329.22.220 | 9.144 | 329.44.471 | 9.38 |
| 315.00.703 | 9.58 | 329.07.803 | 9.37 | 329.22.310 | 9.144 | 329.44.491 | 9.38 |
| 315.00.704 | 9.58 | 329.07.810 | 9.37 | 329.22.910 | 9.144 | 329.44.990 | 9.39 |
| 315.00.705 | 9.58 | 329.07.812 | 9.37 | 329.22.920 | 9.144 | 329.45.501 | 9.77 |
| 315.00.713 | 9.58 | 329.07.813 | 9.37 | 329.23.610 | 9.149 | 329.45.510 | 9.76 |
| 315.00.714 | 9.58 | 329.09.514 | 9.35 | 329.23.630 | 9.149 | 329.45.511 | 9.76 |
| 315.00.715 | 9.58 | 329.09.590 | 9.35 | 329.24.500 | 9.46 | 329.45.910 | 9.77 |

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| 329.45.911 | 9.77 | 329.80.626 | 9.45 | 343.62.513 | 9.69 | 348.36.732 | 9.50 |
| 329.45.912 | 9.77 | 329.80.653 | 9.45 | 343.62.514 | 9.69 | 348.36.800 | 9.50 |
| 329.45.914 | 9.77 | 329.80.680 | 9.45 | 343.62.516 | 9.69 | 348.36.801 | 9.50 |
| 329.45.916 | 9.77 | 329.81.721 | 9.45 | 343.62.518 | 9.69 | 348.36.802 | 9.50 |
| 329.46.210 | 9.28 | 329.81.758 | 9.45 | 343.62.520 | 9.69 | 348.36.810 | 9.50 |
| 329.46.212 | 9.28 | 329.81.785 | 9.45 | 343.62.522 | 9.69 | 348.36.811 | 9.50 |
| 329.46.500 | 9.28 | 329.84.006 | 9.45 | 343.62.530 | 9.69 | 348.36.812 | 9.50 |
| 329.46.502 | 9.28 | 329.84.100 | 9.45 | 343.62.532 | 9.69 | 348.37.600 | 9.52 |
| 329.46.510 | 9.28 | 329.84.110 | 9.45 | 343.88.600 | 9.68 | 348.37.610 | 9.52 |
| 329.46.512 | 9.28 | 329.84.120 | 9.45 | 343.88.610 | 9.68 | 348.37.620 | 9.52 |
| 329.58.600 | 9.9 | 329.85.012 | 9.43 | 343.90.710 | 9.67 | 348.37.630 | 9.52 |
| 329.58.610 | 9.9 | 329.85.018 | 9.43 | 343.91.600 | 9.8 | 348.37.800 | 9.52 |
| 329.62.520 | 9.43 | 329.85.032 | 9.43 | 344.05.800 | 9.6 | 348.37.810 | 9.52 |
| 329.62.691 | 9.43 | 329.85.038 | 9.43 | 344.05.810 | 9.6 | 348.37.820 | 9.52 |
| 329.63.527 | 9.43 | 329.85.043 | 9.43 | 344.05.910 | 9.6 | 348.37.830 | 9.52 |
| 329.63.750 | 9.43 | 329.96.507 | 9.34 | 344.05.914 | 9.6 | 348.38.511 | 9.55 |
| 329.63.787 | 9.43 | 329.96.517 | 9.34 | 344.06.800 | 9.5 | 348.38.512 | 9.55 |
| 329.63.796 | 9.43 | 340.41.104 | 9.82 | 344.06.810 | 9.5 | 348.38.513 | 9.55 |
| 329.64.531 | 9.40 | 340.41.702 | 9.82 | 344.06.850 | 9.5 | 348.38.514 | 9.55 |
| 329.64.540 | 9.40 | 341.07.518 | 9.65 | 344.06.860 | 9.5 | 348.38.521 | 9.55 |
| 329.64.551 | 9.40 | 341.07.527 | 9.65 | 344.06.900 | 9.5 | 348.38.522 | 9.55 |
| 329.64.554 | 9.40 | 341.07.536 | 9.65 | 344.06.901 | 9.5 | 348.38.523 | 9.55 |
| 329.64.571 | 9.26 | 341.07.545 | 9.65 | 344.06.902 | 9.5 | 348.38.524 | 9.55 |
| 329.64.574 | 9.26 | 341.07.554 | 9.65 | 344.06.910 | 9.5 | 348.38.551 | 9.55 |
| 329.64.631 | 9.40 | 341.07.563 | 9.65 | 344.06.950 | 9.5 | 348.38.552 | 9.55 |
| 329.64.640 | 9.40 | 341.07.572 | 9.65 | 344.06.960 | 9.5 | 348.38.553 | 9.55 |
| 329.67.002 | 9.44 | 341.07.581 | 9.65 | 344.75.051 | 9.7 | 348.38.554 | 9.55 |
| 329.67.003 | 9.44 | 341.07.718 | 9.65 | 344.75.760 | 9.7 | 348.38.571 | 9.55 |
| 329.67.030 | 9.40 | 341.07.727 | 9.65 | 344.75.770 | 9.7 | 348.38.573 | 9.55 |
| 329.67.040 | 9.44 | 341.07.736 | 9.65 | 344.88.700 | 9.145 | 348.38.574 | 9.55 |
| 329.67.043 | 9.44 | 341.07.745 | 9.65 | 344.88.710 | 9.145 | 348.38.575 | 9.55 |
| 329.67.048 | 9.44 | 341.07.754 | 9.65 | 344.89.730 | 9.145 | 348.38.583 | 9.55 |
| 329.67.061 | 9.44 | 341.07.763 | 9.65 | 344.89.740 | 9.145 | 348.38.584 | 9.55 |
| 329.67.071 | 9.44 | 341.07.772 | 9.65 | 348.29.600 | 9.54 | 348.38.612 | 9.55 |
| 329.68.000 | 9.42 | 341.07.781 | 9.65 | 348.29.650 | 9.54 | 348.38.613 | 9.55 |
| 329.68.003 | 9.42 | 341.20.815 | 9.93 | 348.31.600 | 9.49 | 348.38.630 | 9.55 |
| 329.68.006 | 9.42 | 341.21.520 | 9.66 | 348.31.601 | 9.49 | 348.38.632 | 9.55 |
| 329.69.010 | 9.42 | 341.21.530 | 9.66 | 348.31.602 | 9.49 | 348.38.633 | 9.55 |
| 329.69.013 | 9.42 | 341.21.540 | 9.66 | 348.31.603 | 9.49 | 348.38.641 | 9.55 |
| 329.69.016 | 9.42 | 341.30.508 | 9.94 | 348.31.610 | 9.49 | 348.38.643 | 9.55 |
| 329.71.500 | 9.41 | 341.30.526 | 9.94 | 348.31.611 | 9.49 | 348.38.644 | 9.55 |
| 329.71.500 | 9.149 | 341.32.100 | 9.94 | 348.31.612 | 9.49 | 348.38.645 | 9.55 |
| 329.71.502 | 9.41 | 341.32.502 | 9.94 | 348.31.613 | 9.49 | 348.38.660 | 9.55 |
| 329.71.502 | 9.149 | 341.32.708 | 9.94 | 348.31.800 | 9.49 | 348.39.505 | 9.55 |
| 329.71.503 | 9.41 | 341.32.806 | 9.94 | 348.31.801 | 9.49 | 348.39.508 | 9.55 |
| 329.71.503 | 9.149 | 342.66.101 | 9.97 | 348.31.802 | 9.49 | 348.40.000 | 9.55 |
| 329.71.506 | 9.41 | 342.66.150 | 9.97 | 348.31.803 | 9.49 | 348.40.001 | 9.55 |
| 329.71.506 | 9.149 | 342.66.503 | 9.97 | 348.31.810 | 9.49 | 348.40.011 | 9.51 |
| 329.71.508 | 9.41 | 342.66.550 | 9.97 | 348.31.811 | 9.49 | 348.90.000 | 9.72 |
| 329.71.508 | 9.149 | 342.66.709 | 9.97 | 348.31.812 | 9.49 | 348.90.010 | 9.72 |
| 329.71.509 | 9.41 | 342.66.750 | 9.97 | 348.31.813 | 9.49 | 348.90.011 | 9.72 |
| 329.71.509 | 9.149 | 342.75.226 | 9.97 | 348.32.600 | 9.51 | 348.90.012 | 9.72 |
| 329.71.510 | 9.41 | 343.33.920 | 9.67 | 348.32.601 | 9.51 | 348.90.013 | 9.72 |
| 329.71.510 | 9.149 | 343.40.510 | 9.75 | 348.32.602 | 9.51 | 348.90.014 | 9.72 |
| 329.71.512 | 9.41 | 343.40.511 | 9.75 | 348.32.610 | 9.51 | 348.90.015 | 9.73 |
| 329.71.512 | 9.149 | 343.40.550 | 9.75 | 348.32.611 | 9.51 | 348.90.017 | 9.73 |
| 329.71.513 | 9.41 | 343.40.560 | 9.75 | 348.32.612 | 9.51 | 348.90.018 | 9.73 |
| 329.71.513 | 9.149 | 343.60.500 | 9.68 | 348.32.800 | 9.51 | 348.90.020 | 9.72 |
| 329.71.516 | 9.41 | 343.60.502 | 9.68 | 348.32.801 | 9.51 | 348.90.021 | 9.72 |
| 329.71.516 | 9.149 | 343.60.510 | 9.68 | 348.32.802 | 9.51 | 348.90.022 | 9.72 |
| 329.71.518 | 9.41 | 343.60.512 | 9.68 | 348.32.810 | 9.51 | 348.90.023 | 9.72 |
| 329.71.518 | 9.149 | 343.61.500 | 9.68 | 348.32.811 | 9.51 | 348.90.024 | 9.72 |
| 329.71.519 | 9.41 | 343.61.503 | 9.68 | 348.32.812 | 9.51 | 348.90.025 | 9.73 |
| 329.71.519 | 9.149 | 343.61.510 | 9.68 | 348.35.605 | 9.53 | 348.90.027 | 9.73 |
| 329.71.520 | 9.41 | 343.61.513 | 9.68 | 348.35.615 | 9.53 | 348.90.028 | 9.73 |
| 329.71.522 | 9.41 | 343.61.520 | 9.70 | 348.35.801 | 9.53 | 351.09.513 | 9.92 |
| 329.71.523 | 9.41 | 343.61.521 | 9.70 | 348.35.805 | 9.53 | 351.09.523 | 9.92 |
| 329.71.526 | 9.41 | 343.61.522 | 9.70 | 348.35.815 | 9.53 | 351.09.533 | 9.92 |
| 329.71.530 | 9.41 | 343.61.523 | 9.70 | 348.36.530 | 9.50 | 351.09.543 | 9.92 |
| 329.71.530 | 9.149 | 343.62.500 | 9.69 | 348.36.531 | 9.50 | 351.09.613 | 9.92 |
| 329.71.533 | 9.41 | 343.62.501 | 9.69 | 348.36.532 | 9.50 | 351.09.623 | 9.92 |
| 329.71.533 | 9.149 | 343.62.502 | 9.69 | 348.36.600 | 9.50 | 351.09.633 | 9.92 |
| 329.71.562 | 9.26 | 343.62.503 | 9.69 | 348.36.601 | 9.50 | 351.09.643 | 9.92 |
| 329.71.582 | 9.26 | 343.62.504 | 9.69 | 348.36.602 | 9.50 | 351.10.023 | 9.92 |
| 329.73.503 | 9.43 | 343.62.506 | 9.69 | 348.36.610 | 9.50 | 351.10.033 | 9.92 |
| 329.73.506 | 9.43 | 343.62.508 | 9.69 | 348.36.611 | 9.50 | 351.10.043 | 9.92 |
| 329.73.510 | 9.43 | 343.62.510 | 9.69 | 348.36.612 | 9.50 | 351.86.100 | 9.89 |
| 329.73.516 | 9.43 | 343.62.511 | 9.69 | 348.36.730 | 9.50 | 351.86.110 | 9.89 |
| 329.73.520 | 9.43 | 343.62.512 | 9.69 | 348.36.731 | 9.50 | 351.86.120 | 9.90 |

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| 351.86.130 | 9.90 | 354.17.620 | 9.87 | 356.25.480 | 9.80 | 372.32.441 | 9.133 |
| 351.86.140 | 9.89 | 354.17.700 | 9.87 | 356.25.485 | 9.80 | 372.32.442 | 9.133 |
| 351.86.150 | 9.89 | 354.17.710 | 9.87 | 356.31.100 | 9.83 | 372.32.443 | 9.133 |
| 351.86.160 | 9.90 | 354.17.720 | 9.87 | 356.31.110 | 9.83 | 372.32.451 | 9.133 |
| 351.86.170 | 9.90 | 354.17.800 | 9.87 | 356.31.120 | 9.83 | 372.32.452 | 9.133 |
| 351.86.180 | 9.89 | 354.17.810 | 9.87 | 356.31.130 | 9.83 | 372.32.453 | 9.133 |
| 351.86.185 | 9.89 | 354.17.820 | 9.87 | 356.33.550 | 9.76 | 372.32.454 | 9.133 |
| 351.86.190 | 9.90 | 354.17.900 | 9.87 | 356.33.551 | 9.76 | 372.32.461 | 9.133 |
| 351.86.195 | 9.90 | 354.17.910 | 9.87 | 361.22.310 | 9.95 | 372.32.462 | 9.133 |
| 351.86.200 | 9.89 | 354.17.920 | 9.87 | 361.42.202 | 9.139 | 372.32.471 | 9.133 |
| 351.86.210 | 9.90 | 354.22.131 | 9.91 | 361.42.211 | 9.139 | 372.32.472 | 9.133 |
| 351.86.220 | 9.89 | 354.22.141 | 9.91 | 361.42.293 | 9.95 | 372.35.813 | 9.106 |
| 351.86.230 | 9.90 | 354.22.231 | 9.91 | 361.42.300 | 9.139 | 372.49.700 | 9.118 |
| 351.86.300 | 9.89 | 354.22.331 | 9.91 | 361.42.319 | 9.139 | 372.49.701 | 9.118 |
| 351.86.310 | 9.90 | 354.22.431 | 9.91 | 361.42.391 | 9.95 | 372.49.790 | 9.118 |
| 351.86.320 | 9.89 | 354.22.631 | 9.91 | 361.42.800 | 9.139 | 372.64.796 | 9.135 |
| 351.86.330 | 9.90 | 354.22.831 | 9.91 | 361.46.010 | 9.142 | 372.64.897 | 9.133 |
| 351.86.400 | 9.89 | 354.22.931 | 9.91 | 361.46.040 | 9.143 | 372.64.901 | 9.135 |
| 351.86.410 | 9.90 | 354.36.100 | 9.88 | 361.46.041 | 9.143 | 372.64.902 | 9.135 |
| 351.86.420 | 9.89 | 354.36.110 | 9.88 | 361.46.200 | 9.142 | 372.64.903 | 9.135 |
| 351.86.430 | 9.90 | 354.36.200 | 9.88 | 361.47.207 | 9.141 | 372.64.904 | 9.135 |
| 351.86.600 | 9.89 | 354.36.300 | 9.88 | 361.49.603 | 9.141 | 372.64.911 | 9.135 |
| 351.86.610 | 9.90 | 354.36.400 | 9.88 | 361.49.701 | 9.141 | 372.64.912 | 9.135 |
| 351.86.620 | 9.89 | 354.36.600 | 9.88 | 361.50.820 | 9.96 | 372.64.913 | 9.135 |
| 351.86.630 | 9.90 | 354.36.700 | 9.88 | 361.69.310 | 9.139 | 372.64.914 | 9.135 |
| 351.86.800 | 9.89 | 354.36.800 | 9.88 | 361.81.900 | 9.137 | 372.64.921 | 9.135 |
| 351.86.810 | 9.90 | 354.36.900 | 9.88 | 361.81.910 | 9.137 | 372.64.922 | 9.135 |
| 351.86.820 | 9.89 | 354.65.000 | 9.10 | 361.81.911 | 9.137 | 372.64.923 | 9.135 |
| 351.86.830 | 9.90 | 354.65.021 | 9.11 | 361.85.501 | 9.141 | 372.64.924 | 9.135 |
| 351.86.900 | 9.89 | 354.65.200 | 9.10 | 361.85.609 | 9.141 | 372.64.931 | 9.135 |
| 351.86.910 | 9.90 | 354.65.220 | 9.11 | 361.93.240 | 9.140 | 372.64.932 | 9.135 |
| 351.86.920 | 9.89 | 354.65.221 | 9.11 | 361.93.340 | 9.140 | 372.64.933 | 9.135 |
| 351.86.930 | 9.90 | 354.65.300 | 9.10 | 362.01.500 | 9.96 | 372.64.934 | 9.135 |
| 351.93.125 | 9.94 | 354.65.320 | 9.11 | 362.10.803 | 9.96 | 372.64.942 | 9.135 |
| 351.95.170 | 9.91 | 354.65.321 | 9.11 | 365.30.300 | 9.103 | 372.64.943 | 9.135 |
| 351.95.175 | 9.91 | 354.65.400 | 9.10 | 365.30.330 | 9.103 | 372.64.944 | 9.135 |
| 351.95.180 | 9.86 | 354.65.410 | 9.10 | 365.30.680 | 9.103 | 372.64.953 | 9.135 |
| 351.95.182 | 9.86 | 354.65.420 | 9.11 | 365.30.681 | 9.103 | 372.64.954 | 9.135 |
| 351.95.190 | 9.86 | 354.65.421 | 9.11 | 365.31.300 | 9.113 | 372.64.990 | 9.135 |
| 351.95.192 | 9.86 | 354.65.700 | 9.10 | 365.31.680 | 9.113 | 372.64.991 | 9.135 |
| 351.95.270 | 9.91 | 356.06.401 | 9.38 | 365.31.681 | 9.113 | 372.64.995 | 9.135 |
| 351.95.280 | 9.86 | 356.06.401 | 9.125 | 365.31.700 | 9.113 | 372.67.801 | 9.134 |
| 351.95.282 | 9.86 | 356.06.420 | 9.38 | 365.73.716 | 9.102 | 372.67.802 | 9.134 |
| 351.95.370 | 9.91 | 356.06.441 | 9.125 | 365.73.725 | 9.102 | 372.67.803 | 9.134 |
| 351.95.380 | 9.86 | 356.11.100 | 9.78 | 365.73.734 | 9.102 | 372.67.804 | 9.134 |
| 351.95.382 | 9.86 | 356.11.110 | 9.78 | 365.74.713 | 9.102 | 372.67.983 | 9.132, 9.134 |
| 351.95.470 | 9.91 | 356.11.120 | 9.78 | 365.74.722 | 9.102 | 372.67.985 | 9.132, 9.134 |
| 351.95.480 | 9.86 | 356.11.180 | 9.79 | 365.74.731 | 9.102 | 372.67.987 | 9.132, 9.134 |
| 351.95.482 | 9.86 | 356.11.400 | 9.78 | 365.75.112 | 9.100 | 372.67.989 | 9.132, 9.134 |
| 351.95.570 | 9.91 | 356.11.410 | 9.78 | 365.75.121 | 9.100 | 372.67.990 | 9.132, 9.134 |
| 351.95.670 | 9.91 | 356.11.420 | 9.78 | 365.75.710 | 9.100 | 372.68.801 | 9.132 |
| 351.95.680 | 9.86 | 356.11.460 | 9.79 | 365.75.729 | 9.100 | 372.68.802 | 9.132 |
| 351.95.682 | 9.86 | 356.11.462 | 9.79 | 365.86.704 | 9.99 | 372.68.803 | 9.132 |
| 351.95.780 | 9.86 | 356.11.470 | 9.79 | 365.86.713 | 9.99 | 372.68.804 | 9.132 |
| 351.95.782 | 9.86 | 356.11.480 | 9.79 | 365.86.722 | 9.99 | 372.68.813 | 9.132 |
| 351.95.880 | 9.86 | 356.11.481 | 9.79 | 365.86.731 | 9.99 | 372.68.814 | 9.132 |
| 351.95.882 | 9.86 | 356.11.490 | 9.79 | 365.86.740 | 9.99 | 372.68.823 | 9.132 |
| 351.95.970 | 9.91 | 356.11.592 | 9.79 | 365.86.759 | 9.99 | 372.68.824 | 9.132 |
| 351.95.980 | 9.86 | 356.15.630 | 9.84 | 365.86.768 | 9.99 | 372.68.831 | 9.132 |
| 351.95.982 | 9.86 | 356.16.025 | 9.81 | 365.86.777 | 9.99 | 372.68.832 | 9.132 |
| 354.12.905 | 9.93 | 356.16.315 | 9.81 | 365.86.786 | 9.99 | 372.68.833 | 9.132 |
| 354.12.906 | 9.93 | 356.17.010 | 9.81 | 365.86.795 | 9.99 | 372.91.320 | 9.130 |
| 354.17.100 | 9.87 | 356.18.010 | 9.81 | 366.74.900 | 9.106 | 372.91.321 | 9.130 |
| 354.17.110 | 9.87 | 356.19.940 | 9.81 | 371.32.700 | 9.107 | 372.91.322 | 9.130 |
| 354.17.120 | 9.87 | 356.20.421 | 9.81 | 371.32.755 | 9.107 | 372.91.330 | 9.131 |
| 354.17.130 | 9.87 | 356.21.425 | 9.80 | 372.03.740 | 9.110 | 372.91.331 | 9.131 |
| 354.17.140 | 9.87 | 356.21.428 | 9.80 | 372.03.795 | 9.110 | 372.91.332 | 9.131 |
| 354.17.150 | 9.87 | 356.24.030 | 9.82 | 372.04.738 | 9.110 | 372.91.333 | 9.131 |
| 354.17.200 | 9.87 | 356.24.110 | 9.82 | 372.04.747 | 9.110 | 372.91.499 | 9.130 |
| 354.17.210 | 9.87 | 356.24.710 | 9.82 | 372.04.783 | 9.110 | 372.91.511 | 9.129 |
| 354.17.220 | 9.87 | 356.25.121 | 9.80 | 372.04.792 | 9.110 | 372.91.512 | 9.129 |
| 354.17.300 | 9.87 | 356.25.400 | 9.80 | 372.17.253 | 9.109 | 372.91.513 | 9.129 |
| 354.17.310 | 9.87 | 356.25.405 | 9.80 | 372.17.262 | 9.109 | 372.91.514 | 9.129 |
| 354.17.320 | 9.87 | 356.25.410 | 9.80 | 372.17.271 | 9.109 | 372.91.515 | 9.129 |
| 354.17.400 | 9.87 | 356.25.415 | 9.80 | 372.17.753 | 9.101 | 372.91.516 | 9.129 |
| 354.17.410 | 9.87 | 356.25.444 | 9.80 | 372.17.762 | 9.101 | 372.91.599 | 9.131, 9.132, 9.134 |
| 354.17.420 | 9.87 | 356.25.445 | 9.80 | 372.17.771 | 9.101 | 373.53.334 | 9.108 |
| 354.17.600 | 9.87 | 356.25.450 | 9.80 | 372.19.100 | 9.105 | 373.58.919 | 9.107 |
| 354.17.610 | 9.87 | 356.25.455 | 9.80 | 372.19.110 | 9.105 | 373.66.036 | 9.117, 9.126 |

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| 373.66.214 | 9.115 | 373.69.902 | 9.127 |
| 373.66.222 | 9.115 | 373.69.903 | 9.127 |
| 373.66.250 | 9.117 | 373.69.905 | 9.126 |
| 373.66.262 | 9.115 | 373.69.906 | 9.126, 9.128 |
| 373.66.264 | 9.115 | 373.69.907 | 9.126, 9.128 |
| 373.66.272 | 9.115 | 373.69.908 | 9.126 |
| 373.66.300 | 9.117 | 373.69.909 | 9.126 |
| 373.66.312 | 9.116 | 373.69.912 | 9.126 |
| 373.66.314 | 9.116 | 373.70.900 | 9.111 |
| 373.66.322 | 9.116 | 373.71.901 | 9.111 |
| 373.66.350 | 9.117 | 373.71.902 | 9.111 |
| 373.66.372 | 9.116 | 373.73.701 | 9.107 |
| 373.66.374 | 9.116 | 373.73.710 | 9.107 |
| 373.66.376 | 9.116 | 373.73.729 | 9.107 |
| 373.66.381 | 9.117 | 373.73.738 | 9.107 |
| 373.66.382 | 9.117 | 373.74.324 | 9.109 |
| 373.66.383 | 9.117 | 373.74.333 | 9.109 |
| 373.66.384 | 9.117 | 373.85.700 | 9.128 |
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