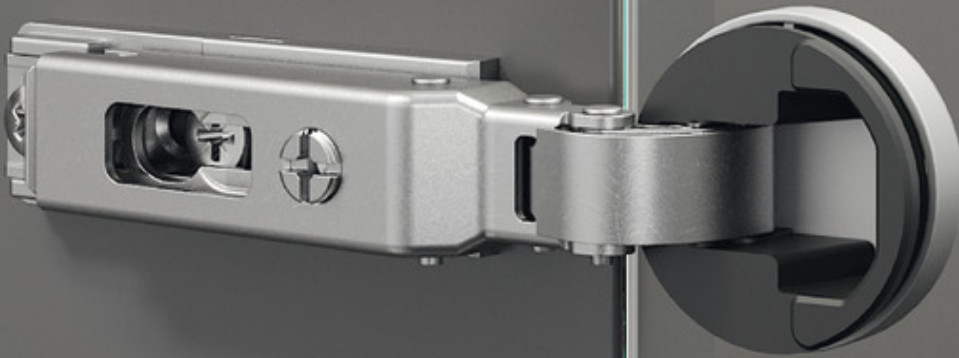




NFK GLAZING & INDUSTRIAL SUPPLIES

Professional Products for the Glass & Glazing industry



HÄFELE CABINET HARDWARE

CONCEALED HINGES DUOMATIC 94° FOR
GLASS DOORS

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CONCEALED HINGES SET FOR CABINET GLASS DOORS



The Crank Hinge Set consists of 3 components:

1. Duomatic concealed hinge 94° for glass - 1
2. Mounting plate -1
3. Trim Cover Cap - 1

DETERMINE WHICH TYPE IS SUITABLE FOR YOU:

1) Select the mounting type:

- Full overlay
- Half overlay
- Inset

2) Select the type of fixing of the mounting plate to the inside wall or face frame of the cabinet:

- Screw mount (side-on)
- Press-fit (Clip) for quick fit

3) Calculate the overlay and select the mounting plate's height (refer to page 5)

4) Determine the number of hinges required for the door size and weight

Set #1 Standard



Full overlay



Half overlay



Inset

Screw mount



Black



Chrome

1

2

3

Set #2 Quick Fit



Full overlay

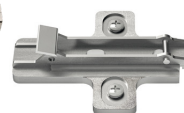


Half overlay



Inset

Press-fit



Black



Chrome

1

2

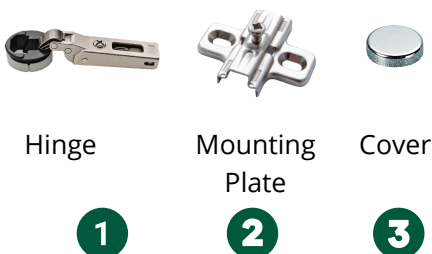
3



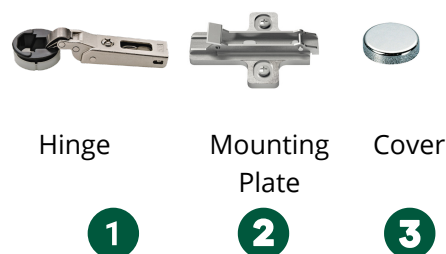
THE CRANK HINGE SETS - CONFIGURATIONS & CODES

| Set # | Hinge Mounting Type | Mounting Plate Type | Cover Colour | Mounting Plate Height Options | Code |
|-------|---------------------|---------------------|--------------|-------------------------------|----------------|
| 1 | Full overlay | Slide-on | Chrome | 0mm, 3mm, 6mm, 9mm | 19-317 02 580C |
| 2 | Full overlay | Clip (Quick Fit) | Chrome | 0mm, 3mm, 6mm | 19-317 02 590C |
| 3 | Full overlay | Slide-on | Black | 0mm, 3mm, 6mm, 9mm | 19-317 02 580B |
| 4 | Full overlay | Clip (Quick Fit) | Black | 0mm, 3mm, 6mm | 19-317 02 590B |
| 5 | Half overlay | Slide-on | Chrome | 0mm, 3mm, 6mm, 9mm | 19-317 02 581C |
| 6 | Half overlay | Clip (Quick Fit) | Chrome | 0mm, 3mm, 6mm | 19-317 02 591C |
| 7 | Half overlay | Slide-on | Black | 0mm, 3mm, 6mm, 9mm | 19-317 02 581B |
| 8 | Half overlay | Clip (Quick Fit) | Black | 0mm, 3mm, 6mm | 19-317 02 591B |
| 9 | Inset | Slide-on | Chrome | 0mm, 3mm, 6mm, 9mm | 19-317 02 582C |
| 10 | Inset | Clip (Quick Fit) | Chrome | 0mm, 3mm, 6mm | 19-317 02 592C |
| 11 | Inset | Slide-on | Black | 0mm, 3mm, 6mm, 9mm | 19-317 02 582B |
| 12 | Inset | Clip (Quick Fit) | Black | 0mm, 3mm, 6mm | 19-317 02 592B |

Set #1 Standard

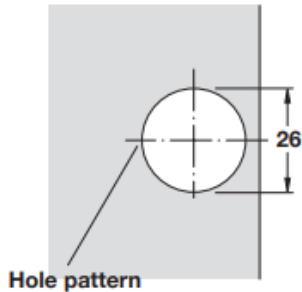


Set #2 Quick Fit

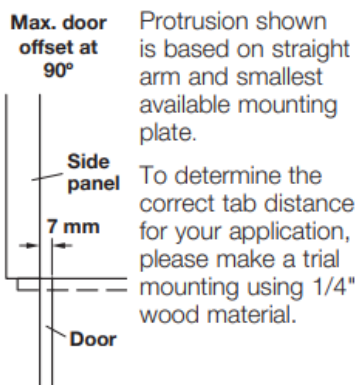




1 HINGES



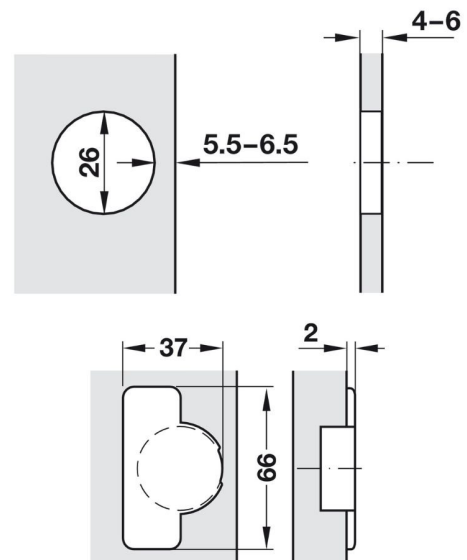
Opening angle: **94°**



- Self-closing
- Opening 94°
- Screw mounted
- Glass thickness: 4–6 mm (3/16"–1/4")
- Side panel thickness: from 16 mm (5/8")
- Tab: 5.5–6.5 mm (3/16"–1/4")
- Trim shim and screws included
- Material: Steel

| Mounting | Item Code | Hinge Arm |
|--------------|---------------|-----------|
| Full overlay | 19-317 02 500 | |
| Half overlay | 19-317 02 501 | |
| Inset | 19-317 02 502 | |

FULL OVERLAY MOUNTING



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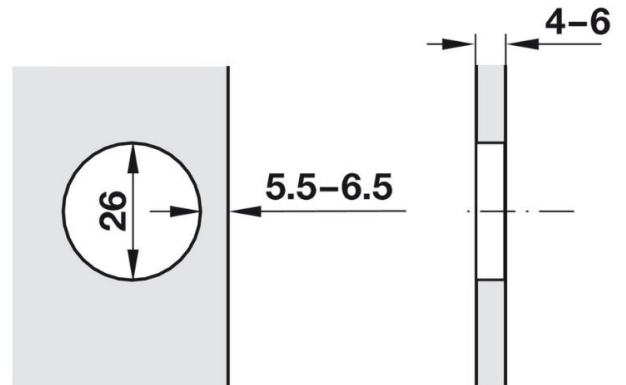
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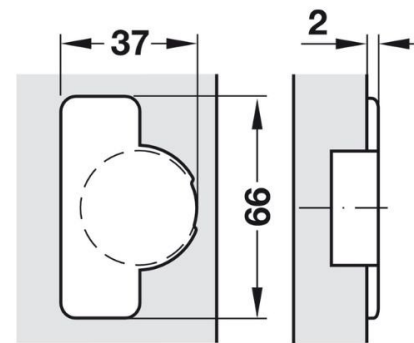
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HALF OVERLAY MOUNTING

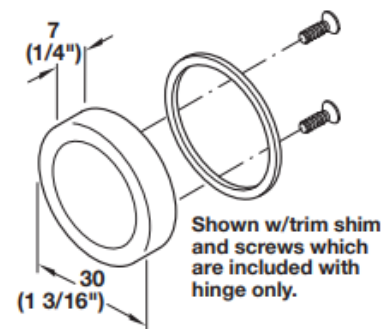


INSET MOUNTING



3 TRIM COVER CAPS

- Round
- Material: Plastic



| Colour | Item Code |
|--------|---------------|
| Chrome | 19-317 10 420 |
| Black | 19-317 10 320 |



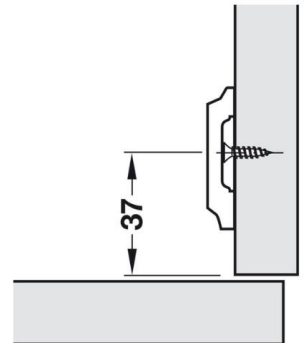
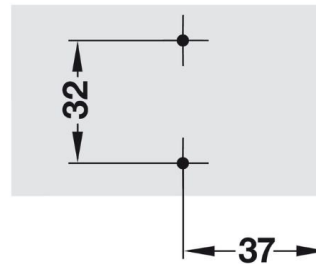
2 MOUNTING PLATES

Slide-on Mounting Plate



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

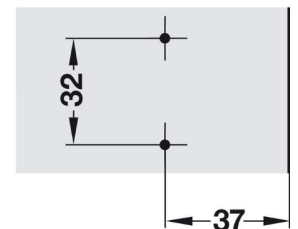
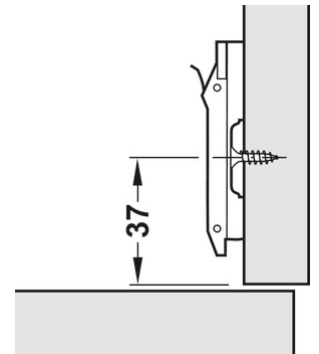
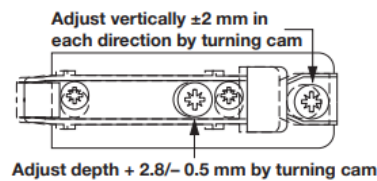
| Height, mm | Item Code |
|------------|---------------|
| 0 | 19-329.80.528 |
| 3 | 19-329.80.555 |
| 6 | 19-329 80 582 |
| 9 | 19-329 80 590 |



Clip Mounting Plate (Quick Fit)

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

| Height, mm | Item Code |
|------------|-------------|
| 0 | 19-32971500 |
| 3 | 19-32971503 |
| 6 | 19-32971506 |



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



→ HOW TO DETERMINE & CALCULATE OVERLAY

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

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

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

Overlay = (constant + tab) – mounting plate height

FULL OVERLAY

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

PARTIAL, HALF, AND 1/2" OVERLAY

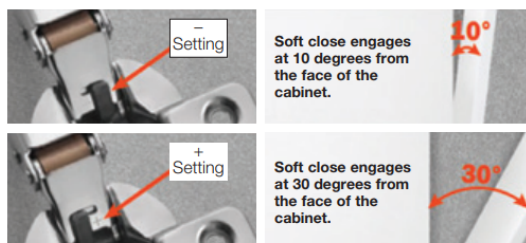
Any of these partial overlays means that the door overlaps the cabinet less than the full overlay. Partial on a frameless cabinet would be between 6–16 mm (1/4"–5/8").

INSET

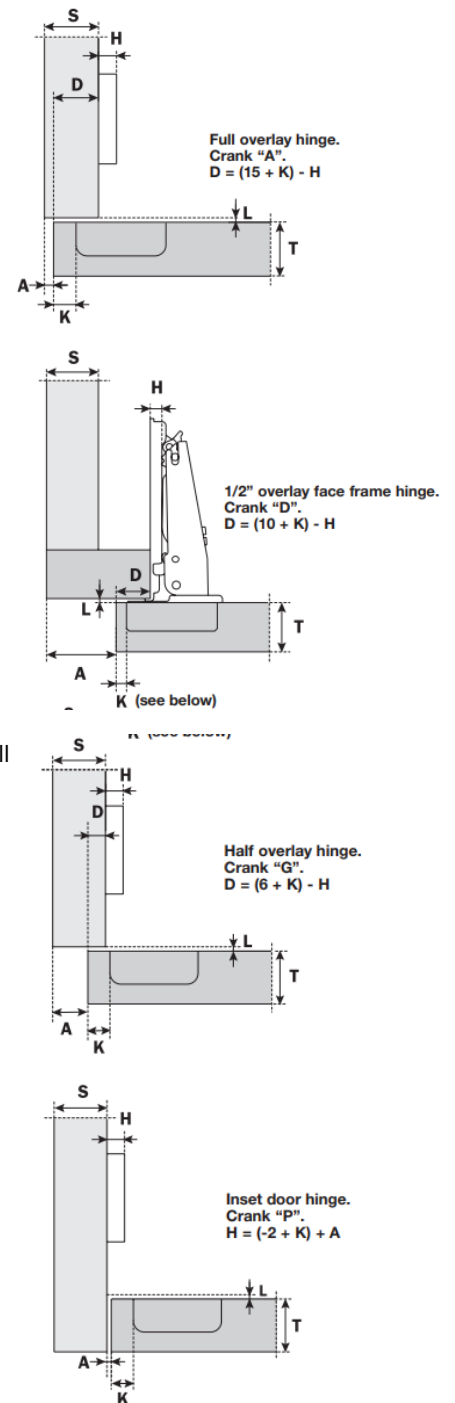
Inset doors fit completely into the face frame. They use a special hinge known as an inset hinge, or an overlay hinge can be used with a high mounting plate.

Overlay = (constant + tab) - bp height

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



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



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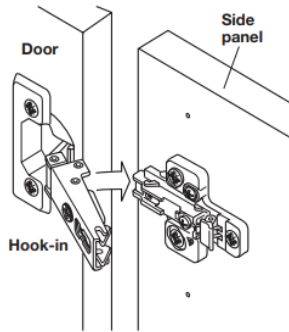
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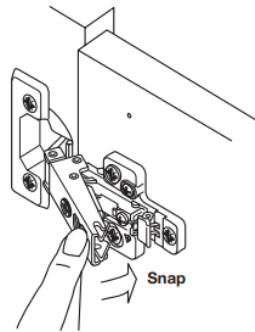
wasales@nfk.com.au



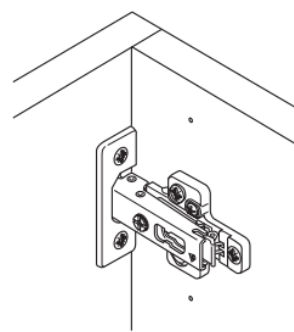
MOUNTING AND ADJUSTMENTS



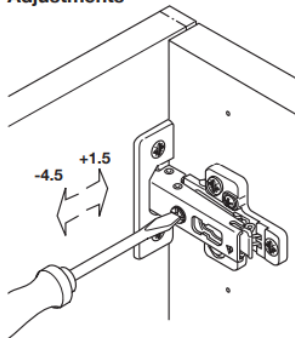
Step 1
Unique compensated adjustment. No gap increase between door and panel.



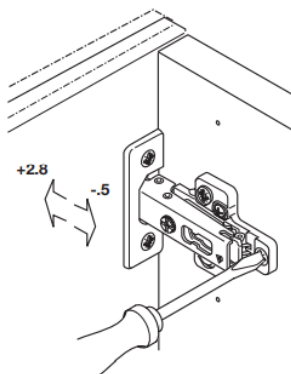
Step 2
Rotate cam adjustment screw on baseplate.



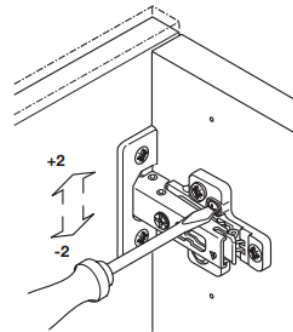
Adjustments



Parallel Side Adjustment
by screw adjustment
(6 mm (1/4") of adjustment).

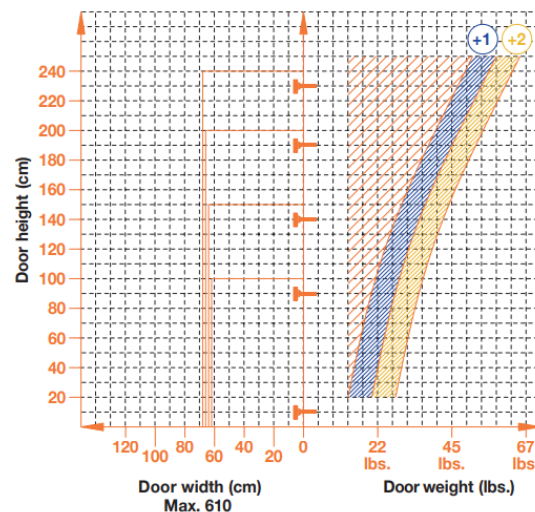
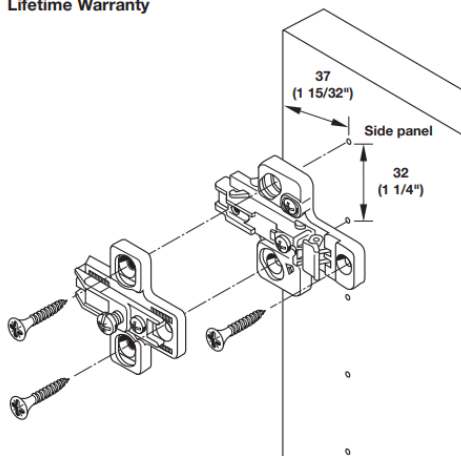


In-and-Out
by loosening the hinge-arm mounting screw or via cam



Vertical
via slots in the mounting plate or cam adjustment

Lifetime Warranty



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