

TECH SHEET

MILLWORK HINGES

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HINGE OPTIONS

107° FULL OVERLAY HINGE

This hinge is used for standard applications.

Richelieu Part #	75T159180
Angle	107°
Use Type	Standard Door
Cabinet Type	Frameless
Door Position	Overlay Door
Hinge Type	Clip Top
Closing Mechanism	Free Swing & Self Closing
Fixing Type	Screw-On / Toolless / Knock In /Dowel
Door Thickness	¾" (19mm)
Cabinet Thickness	¾" (19mm)
Milling Depth	7/16" (12mm)
Milling Diameter	1 3/8" (35mm)

Features	3 dimensional adjustment with corresponding plate
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Figure 1. 107° Full Overlay Hinge.

107° HALF OVERLAY HINGE

This hinge is used for 3 door units that have shared gable (2 doors on one internal divider).

Richelieu Part #	75T168180
Mounting Plate Part #	Expando Cam Mounting Plate 174H710180
Angle	+107°
Use Type	Standard Door
Cabinet Type	Frameless
Door Position	Dual Application / Half Overlay
Hinge Type	Clip Top
Closing Mechanism	Self-closing
Fixing Type	Knock In / Dowel
Door Thickness	¾" (19mm)
Cabinet Thickness	¾" (19mm)
Milling Depth	7/16" (11mm)
Milling Diameter	1 3/8" (35mm)



Figure 2. 107° Half Overlay Hinge.

107° INSET HINGE

This hinge is used for Interior Doors (doors within units or surrounds).

Richelieu Part #	75T178180
Hinge Opening Angle	+107°
Use Type	Standard Door
Cabinet Type	Frameless
Door Position	Inset
Hinge Type	Clip Top
Closing Mechanism	Self-closing
Fixing Type	Knock In / Dowel
Door Thickness	¾" (19mm)
Cabinet Thickness	¾" (19mm)
Milling Depth	7/16" (12mm)
Milling Diameter	1 3/8" (35mm)



Figure 3. 107° Inset Hinge.

ZERO PROTRUSION HINGE

This hinge is used for storage units with interior drawers.

Richelieu Part #	71T753N180
Angle	+155°
Use Type	Zero Protrusion
Cabinet Type	Frameless
Door Position	Full Overlay, Corner
Hinge Type	Clip Top
Closing Mechanism	Self-closing
Fixing Type	Knock In / Dowel
Door Thickness	¾" (19mm)
Cabinet Thickness	¾" (19mm)
Milling Depth	7/16" (12mm)
Milling Diameter	1 3/8" (35mm)



Figure 4. Zero Protrusion Hinge.

+45° OVERLAY HINGE

This hinge is used for corner cabinets with 45° doors.

Richelieu Part #	79T558180
Mounting Plate Part #	Expando Cam Mounting Plate 174H710180
Hinge Opening Angle	+110°
Cabinet Angle	+45°
Use Type	Angle Cabinet
Cabinet Type	Frameless
Door Position	Angled Overlay
Hinge Type	Clip Top
Closing Mechanism	Self-closing
Fixing Type	Knock In / Dowel
Door Thickness	¾" (19mm)
Cabinet Thickness	¾" (19mm)
Milling Depth	½" (13mm)
Milling Diameter	1 ⅜" (35mm)

Features	3 dimensional adjustment with corresponding plate
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Figure 5. +45° Overlay Hinge.

170° OVERLAY

This hinge is used for cabinets with Integrated Toe Kick or no bottom panel and no Toe Kick.

Richelieu Part #	71T658180
Mounting Plate Part #	Expando Cam Mounting Plate 174H710180
Hinge Opening Angle	+170°
Use Type	Bi-fold Door / Standard 1 or 2 Door/ Storage Units
Cabinet Type	Frameless
Door Position	Full Overlay
Hinge Type	Clip Top
Closing Mechanism	Self-closing
Fixing Type	Knock In / Dowel
Door Thickness	¾" (19mm)
Cabinet Thickness	¾" (19mm)
Milling Depth	7/16" (101mm)
Milling Diameter	1 ⅜" (35mm)

Features	Tool Free Assembly 3 Dimensional Adjustment
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Figure 6. 170° Overlay Hinge.

SELF-CLOSING BI-FOLD HINGE

This hinge is used for 90° corner door units, to accompany the 170° hinge.

Richelieu Part #	RCS35350058
Angle	90°
Use Type	Bi-fold Door
Cabinet Type	90° Corner Units
Door Position	Corner / Bi-fold
Hinge Type	Version of Clip-Top
Closing Mechanism	Spring Closure
Fixing Type	Knock In / Dowel
Door Thickness	¾" (19mm)
Cabinet Thickness	¾" (19mm)
Milling Depth	7/16" (11mm)
Milling Diameter	1 ⅜" (35mm)



Figure 7. Self-Closing Bi-Fold Hinge.

ACUTE NEGATIVE HINGE

This hinge is used for negative angled cabinets doors.

Richelieu Part # for -45°	79A5450180
Richelieu Part # for -30°	79A5451180
Angle	-45° or -30°
Use Type	Negative Angled Cabinet Doors
Cabinet Type	Frameless
Door Position	Overly Acute Angle
Hinge Type	Version of Clip Top
Closing Mechanism	Spring Closure
Fixing Type	Knock In / Dowel
Door Thickness	¾" (19mm)
Cabinet Thickness	¾" (19mm)
Milling Depth	7/16" (11mm)
Milling Diameter	1 ⅜" (35mm)



Figure 8. Acute Negative Hinge

BLIND CORNER HINGE

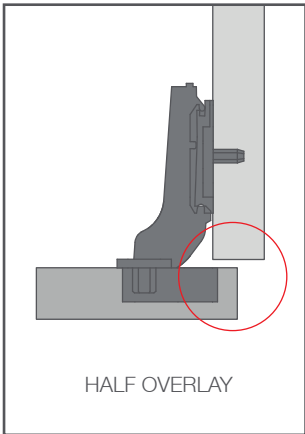
This hinge is used for inset co-planar door to panel.

Richelieu Part #	79T958180
Angle	95°
Use Type	Inset Co-planar Door
Cabinet Type	Frameless
Door Position	Inset to Fixed Panel
Hinge Type	Version of Clip Top
Closing Mechanism	Spring Closure
Fixing Type	Knock In / Dowel
Door Thickness	¾" (19mm)
Cabinet Thickness	¾" (19mm)
Milling Depth	7/16" (11mm)
Milling Diameter	1 ⅜" (35mm)

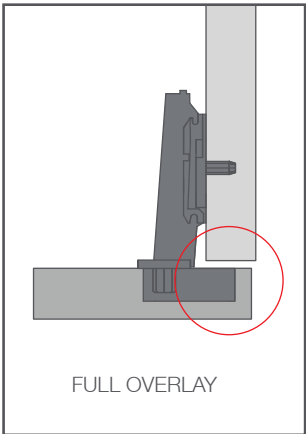


Figure 9. Blind Corner Hinge

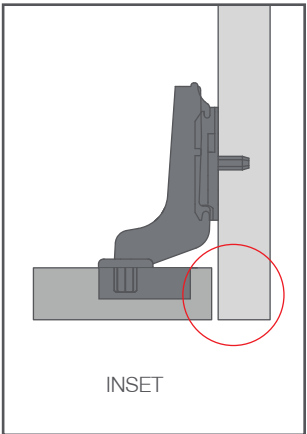
DOOR POSITIONS



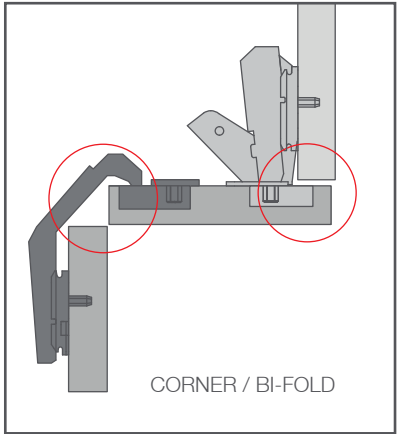
HALF OVERLAY



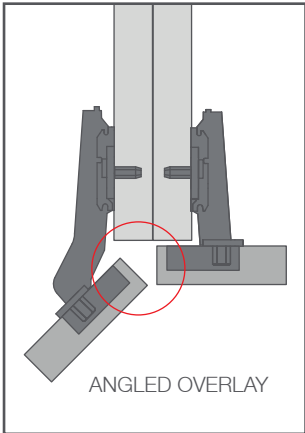
FULL OVERLAY



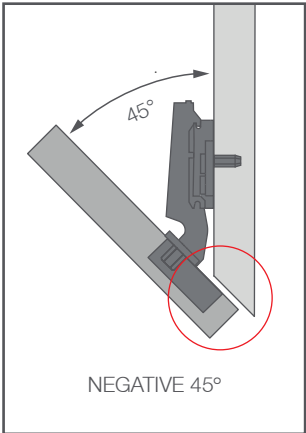
INSET



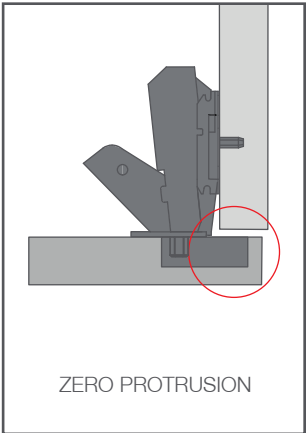
CORNER / BI-FOLD



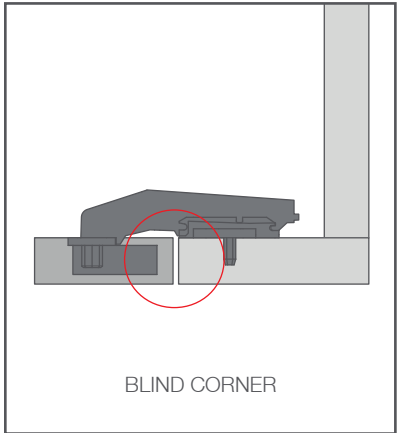
ANGLED OVERLAY



NEGATIVE 45°



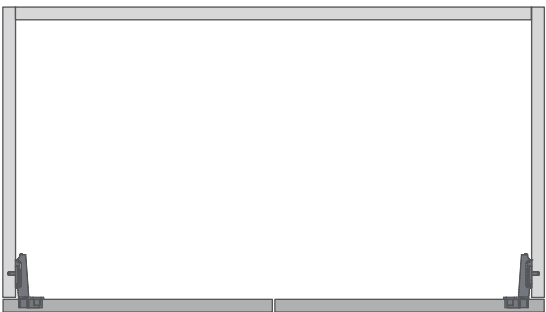
ZERO PROTRUSION



BLIND CORNER

STANDARD DOOR

TOP VIEW - CLOSED



TOP VIEW - OPEN

