

FEATURES:

- semi concealed hinge
- for full inset or side overlay inset doors
- statuary bronze finish over steel
- reversible-left or right handed
- requires hinge gain cuts
- for 3/4" thick cabinet doors
- hinges attach to top/bottom ends of door and to inside top/bottom of cabinet

APPLICATIONS:**SPECIFICATIONS:**

Introduction: When using knife hinge 29710 for hanging cabinet doors, cabinet can be permanently assembled if gain cuts (mortise) are to be cut by hand with flat chisel and mallet.

If the installer has a router and 3/8" diameter router bit, the gain cuts can be made much faster but the cabinet must first be disassembled to do so.

If router method is used, it is recommended that strap (web) clamps be used to hold cabinet together while cutting and fitting doors to cabinet opening. All four (4) sides of door should have 3/32" of clearance to cabinet opening.

INSTALLATION:**METHOD A - Full Inset (110° opening)**Steps of Procedure

1. Fit door to cabinet opening with proper clearance.
2. Layout hinge gain cuts on door. Hinge barrel should be tangent to door edge and hinge should be centered on door thickness. Using hinge as a template, draw outline of leaf on door ends.
3. Cut gains into top and bottom door ends to a depth of hinge thickness (flush).
4. Position hinge on inside faces of top and bottom cabinet members aligned with gain cuts in door. While holding hinge in their position, mark with pencil around hinge that is being used as a template. Turn cabinet upside down to mark out upper hinge location.
5. Cut cabinet gains to depth of hinge thickness.
6. Position hinge into cabinet gains with correct location for door clearance. Drill center pilot holes while holding hinge in position. Now place and properly position hinge into door gains and drill pilot hole in center screw hole.

7. If cabinet has been knocked-down for cutting gains with router, assemble cabinet members and clamp assembly with strap (web) clamps.
8. Attach hinges with a single screw to top and bottom of cabinet.
9. Slide door into cabinet opening with a sideways movement so that hinge leafs will slip into door gains. Hinges may need to be set slightly open when doing this. When hinge center hole lines up with pilot hole attach leaf with single screw to each top and bottom hinge.
10. Check door swing and clearance. Make any necessary adjustments and then drill remaining pilot holes and drive in remaining screws.

METHOD B - Inset Door That Overlays Cabinet Sides (270° opening)Steps of Procedure

1. Fit door to cabinet opening with proper clearances.
2. Layout hinge gain cuts on door as per drawing. Hinge pin center should project 1/8" from cabinet side. Hinge leaf should be centered on door thickness. Using hinge as a template, draw with pencil the outline of leaf on door ends.
3. Cut gains into top and bottom of door ends to depth of hinge thickness (flush).
4. Position hinge on inside faces of cabinet top and bottom aligned with gain cuts in door. Hold hinge in position and mark with pencil around leaf using leaf as a template.
5. Cut out cabinet gains to depth of hinge thickness.
6. Position hinges into door gains and while holding hinge in place drill pilot hole and drive screws into this center hole of each hinge. (top & bottom).
7. Slide door from end to end of cabinet into opening until hinges engage gain cuts in cabinet. Position edge of door flush to cabinet side, then open door carefully and drill pilot holes through center hole into cabinet. Attach door to cabinet with single screw to top and bottom hinge.
8. Check door operation for swing and clearance. Make any necessary operating adjustments and then drill remaining pilot holes and drive in screws.

