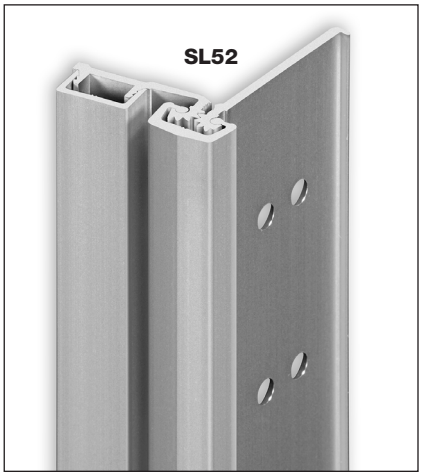
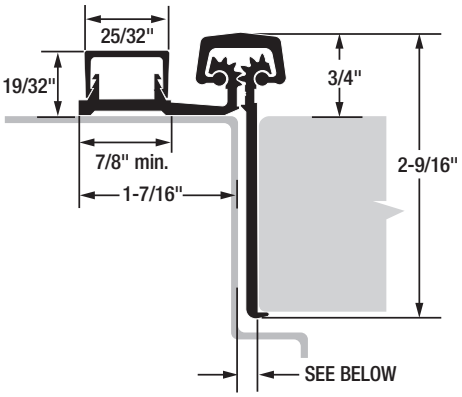
SELECT HINGES™

INSTALLATION INSTRUCTIONS

Half Mortise Geared Continuous Hinge





Important Warranty Information:

The following actions will void any warranty, expressed or implied:

- Failure to install the hinge according to manufacturer's specifications and requirements. (For more information, visit selecthingerequirements.com.)
- Use of fasteners other than those supplied with the hinge.
- Unauthorized field modifications, including alteration or removal of the factory-applied lubricant, altering the original finish or painting the hinge.

Door Clearances

For Square and Beveled-Edge Doors

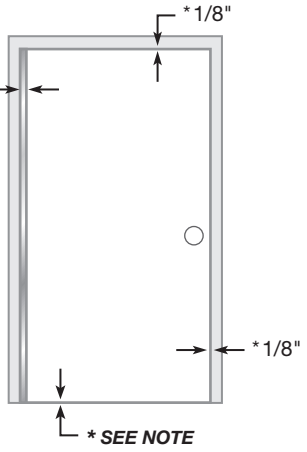
***IMPORTANT**: All uncut SL52 hinges are non-handed and templated. They become handed after cutting. If door inset is required, install a continuous piece of shim under the door leaf.*

**** NOTE: Refer to NFPA 80 manual for clearance requirements on fire-rated entrances.***

Single Door

Hinge side clearance

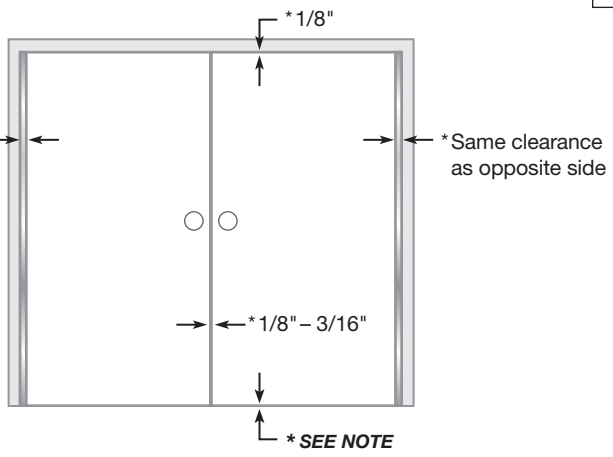
Square Edge	*3/16"
Beveled Edge	*7/32"



Double Doors (Pair)

Hinge side clearance

Square Edge	*3/16"
Beveled Edge	*7/32"



Reinforcing & Rivnuts®

No hinge reinforcement is necessary except on extremely high-frequency, extremely tall, extremely heavy or extra-wide doors. Rivnuts are recommended for use in the door when the door exceeds 450 lb.

***NOTE:** Only SELECT steel Rivnuts are to be used with fire-rated SELECT hinges.*

Grouted/Slushed-in Frames

For ease of installation, it is recommended some sort of mudguard be installed behind the frame. Do not use self-drilling, thread-forming (SDTF) screws to drill into grouted frames. If mudguards have not been used, carefully drill pilot holes through frame and remove grout for screw clearance. Do not oversize holes in frame.

Fire-Rated Hinges

All SELECT hinges (except SL71, SL77 and Toilet Partition hinges) are 90-minute UL-rated, without fire pins or studs. Please contact SELECT for complete information about its fire-rated hinges.

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Ph: 800-423-1174 | Fax: 800-423-7107 | www.select-hinges.com

Tools Needed

- Metal-cutting saw
- Tape measure
- #13 or 3/16" drill bit
- 5/32" drill bit (wood frames only)
- #3 Phillips drive
- 5/64" Allen wrench
- Hammer
- Shims

Parts Supplied

- #12-24 self-drilling, thread-forming (SDTF) 410 SS Phillips undercut flathead screws
- #12-24 self-drilling, thread-forming (SDTF) 410 SS Phillips undercut panhead screws
- 7/32" center punch

Optional Parts

- #12 410 SS Phillips undercut flathead wood screws
- #12-24 thread-forming (TF) 410 SS Phillips undercut flathead screws
- Protective gloves are recommended

NOTE: *All holes in the hinge must be drilled correctly and fasteners properly installed. Failure to use the fasteners supplied by Select Products Limited will void the UL fire rated listing.*

NOTE: *The Screw Pack contains TF sheet metal or SDTF self-drilling screws for the door and frame. Wood x metal or all-wood screw packs are available upon request.*

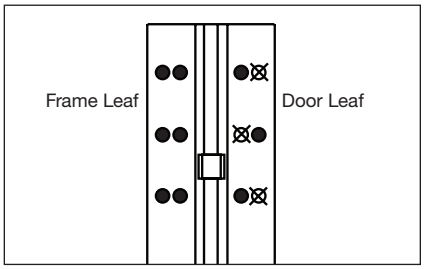
A. Attach Hinge to Door

NOTE: *DO NOT install snap-on leaf cover until installation is 100% complete, and all aspects of the assembly are correctly fastened and properly fitted.*

1. Place door leaf on door edge and align hinge with top of door and door edge protector, noting door handing if required.

IMPORTANT: *Top end of the hinge must be flush with the top of the door.*

IMPORTANT: *If installing hinge on a 90-minute fire-rated wood door, mark or centerpunch only one hole in each pair of holes at the top and bottom of the door leaf. DO NOT install remaining screws in the six-hole pattern on the door leaf. See illustration below.*



2. Mark (or centerpunch) hole locations.

NOTE: *TF screws and wood screws require pilot holes at marked locations. SDTF screws do not require pilot holes.*

3. If using SDTF screws, go to Step 4. If using TF or wood screws, drill holes at marked locations.
   - Metal door: Use #13 (.185") bit or 3/16" (.188") bit
   - Wood door: Use 5/32" (.156") bit.
4. Fasten door leaf to door using #3 Phillips drive and fasteners provided.

B. Prepare Frame

5. Shim door into opening to provide required hinge clearances. A 1/8" gap between the top of the door and header, and 1/8" gap at the lock side of the door should be maintained.
6. When to door is in position, fold the frame leaf over the face of the frame and mark the top and bottom holes. Fasten the hinge accordingly depending on which screws are being used (Fig. 2).
7. Remove shims and check door swing and alignment. Make any adjustments necessary to maintain proper clearances.

NOTE: *Door may sag slightly when shims are removed. Note the amount of adjustment needed to bring door back into alignment.*
DO NOT PROCEED UNTIL DOOR OPERATES PROPERLY.

8. Install remaining fasteners once hinge is in proper position.

C. Install Frame Leaf Cover

9. Align leaf cover with top edge of hinge.
10. Starting from the top and working downward, apply pressure to leaf cover to snap it into place (Fig. 3).

NOTE: *If you use a hammer to tap cover into place, be sure to protect the surface of the cover from damage.*

17. Tighten set screws with 5/64" Allen wrench.

Fig. 1

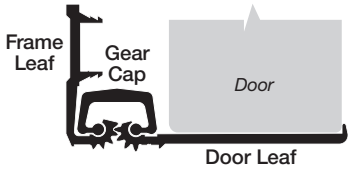


Fig. 2 Door Closed Position

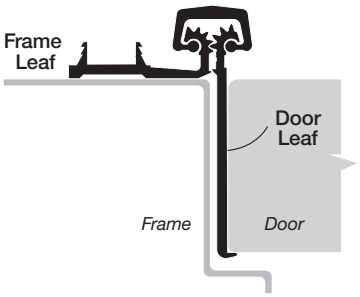
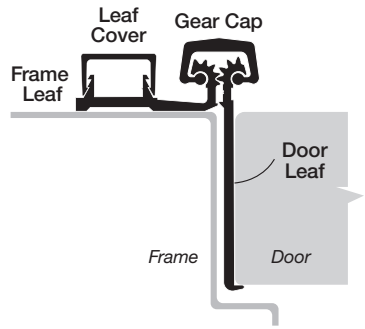


Fig. 3 Door Closed Position



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