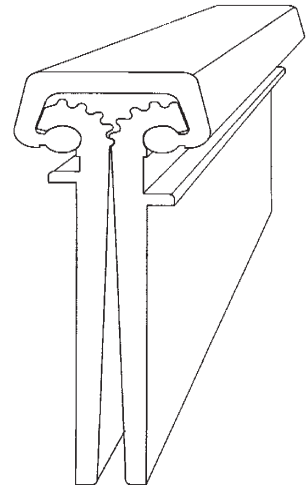
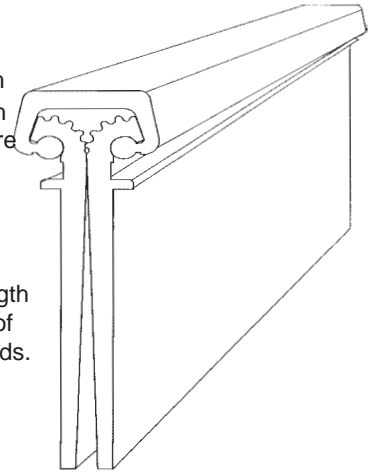
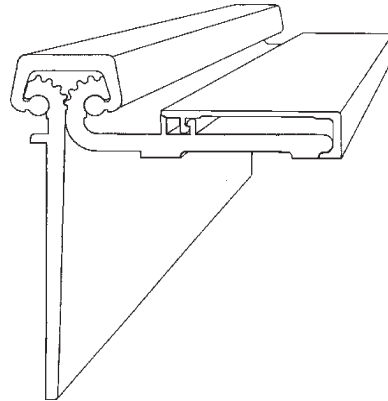
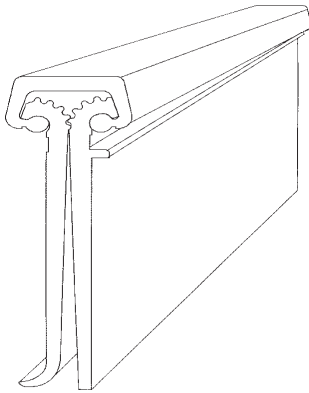




# Continuous Geared Aluminum Hinge

## What Is a Continuous Geared Aluminum Hinge

- Unlike a conventional hinge, a Continuous Geared Aluminum Hinge has no pin. Also it is not like a piano hinge either, which has 50% of each knuckle cut away, and depends on a thin wire to hold each leaf together.
- A Continuous Geared Aluminum Hinge consists of two full-height, paired and geared leaves. Each geared leaf rotates evenly from top to bottom, riding on Delrin® -Teflon® bearings. The geared leaves and bearings are held together by a full-length channel cap. This assembly retains the smooth, clean lines of the door and frame, while easily supporting heavy vertical loads.

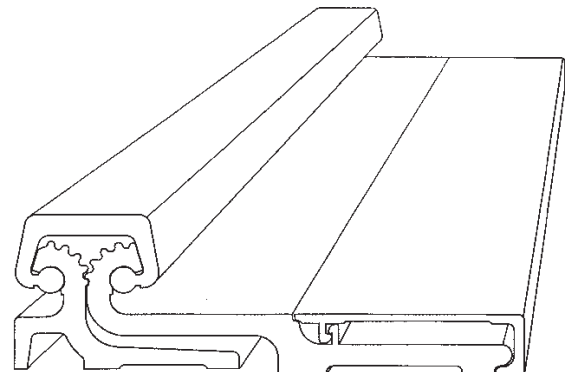


## Security, Safety, Privacy, Low Wear & Tear

- Unlike conventional hinges, Continuous Geared Aluminum Hinges distribute load stress uniformly along the full length of the door and frame, diffusing wear and tear from closer kickback shock and eliminating door sag and binding.
- The gear design ensures identical operation of each leaf, therefore very little effort is required to open heavy commercial doors.
- The attaching screws for all hinges are located along the full length of each hinge. This prevents warpage of the door along the jamb.
- Continuous Geared Aluminum Hinges creates a high degree of security for any opening or restricted area. The geared construction and the full length channel cap seal the common gap between the door and frame provides security against prying.
- Also, closing the common gap between the door and frame provides safety against pinched fingers for doors in public areas, particularly those areas where children are present.
- The sightproof design of the Continuous Geared Aluminum Hinge provides privacy in lavatories, executives offices, exam rooms, and file rooms.
- Bommer Continuous Geared Aluminum Hinge products are **GUARANTEED FOR THE LIFE OF THE OPENING** against defects in material or workmanship.

## Cycle Tested

- Bommer's full line of Continuous Geared Aluminum Hinges has completed testing using a standard duty hinge and a 150 lb. door, and are now certified fully functional after 1.5 million cycles. Some other manufacturers have tested using a "heavy duty" hinge and a 75 lb. door for certification of only 350,000 cycles.



## UL-Fire Labeled 3 Hour A-Label

- Bommer's full line of Continuous Geared Aluminum Hinges are certified by Underwriters Laboratories Inc.® (U.S.A. and Canada) for up to a 3 Hour Fire Listing for all 4'-0" x 10'-0" and 8'-0" x 10'-0" door and frame assemblies.
- Special FirePins™ may be required for some rated assemblies. Please refer to page 60,61 for illustrations and information regarding the application of FirePins™.

**"Over 125 Years of Quality"**

**GH-1**