

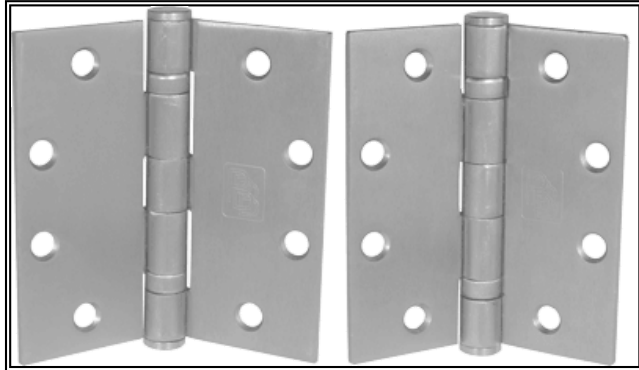


## FULL MORTISE TEMPLATE BALL BEARING

**STANDARD WEIGHT**  
**4 1/2" x 4", 4 1/2" x 4 1/2"**

### Templates:

**BB45**



BB81 (ANSI A8112)  
 Steel-Polished and Plated or Bonderized and Prime Coated for Painting.

BB21 (ANSI A2112)  
 Brass-Polished and Plated

BB51 (ANSI A5112)  
 Stainless Steel-Polished and Satin Finish

- For use on medium weight doors or doors requiring average frequency service.
- Ball bearing hinges must be used on doors in conjunction with door closers and on all fire rated openings.
- For hospital type, add HT to suffix of part number.
- All hinges are ANSI template.

**GENERAL PRODUCT INFORMATION:** PBB, Inc. template hinges are manufactured to close tolerances and meet all specifications and requirements set by the American National Standards Institute (ANSI).

#### OTHER SPECIFICATIONS:

Height of hinge:  
 4.50 (+.000/-0.015) for 4-1/2" x 4"  
 4.50 (+.000/-0.015) for 4 1/2" x 4-1/2"

**HINGE SWAGING:** A standard swaging of our standard weight full mortise hinge when closed to parallel position provides a 1/16" clearance between leaves.

Width:  
 4.00 ± .015 for 4-1/2" x 4"  
 4.50 ± .015 for 4-1/2" x 4-1/2"

#### MATERIAL GAUGE:

.134 ± .005 for 4-1/2" x 4"  
 .134 ± .005 for 4-1/2" x 4-1/2"

#### 4-1/2" STANDARD SCREW SIZE

FHMS - 12-24 x 1/2"  
 FHWS - 12 x 1-1/4"

#### PACKAGING INFORMATION:

One hinge per plastic bag, 3 hinges and 1 screw pack per unit carton.  
 16 unit carton or 48 hinges per master shipping carton.  
 1 screw pack includes all machine screws (24), and 1/2 wood screws (12). ATMS & AWS also available.