

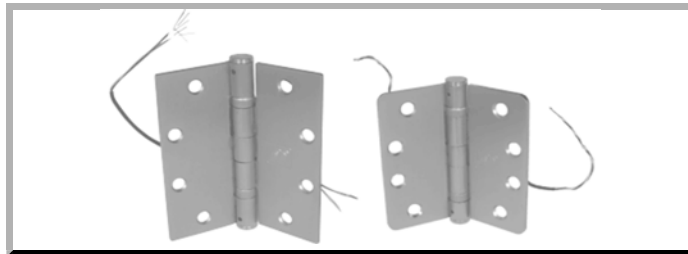


## FULL MORTISE ELECTRIC BALL BEARING

### STANDARD WEIGHT

4" x 4", 4 1/2" x 4", 4 1/2" x 4 1/2", 5" x 4 1/2", 5" x 5"

TEMPLATES: [BB40EL/CB40EL](#) [BB45EL/CB45EL](#) [BB50EL/CB50EL](#)



BB81EL/CB81EL (ANSI A8112)

Steel-Polished and Plated or Bonderized and Prime Coated for Painting.

BB21EL/CB21EL (ANSI A2112)

Brass-Polished and Plated.

BB51EL/CB51EL (ANSI A5112)

Stainless Steel-Polished and Satin Finish.

- Electric hinges allow electrical currents and signals to pass from jamb through the hinge into the door in an invisible manner.
- Available in ball bearing type only.
- 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).

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

**CONCEALED ELECTRIC THROUGH-WIRE:** Two, four, six, eight, and ten continuous electric conductors See specifications below. Full mortise ball bearing, standard weight.

NRP-NOT NECESSARY.

To order use symbol "EL" as suffix.

### OTHER SPECIFICATIONS:

Height of hinge:

4.00 (+.000/-.015) for 4"

4.50 (+.000/-.015) for 4 1/2"

5.00 (+.000/-.015) for 5"



Width:

4.00 ± .015 for 4" x 4", 4-1/2" x 4", 5" x 4"

4.50 ± .015 for 4 1/2" x 4 1/2", 5" x 4-1/2"

5.00 ± .015 for 5" x 5"

ELECTRICAL SPECIFICATIONS - (Maximum Continuous)	
EL2 - 24 VAC/DC,	@ 3 amps, continuous, 8 amp surge
EL2+4 - 24 VAC/DC,	@ 3 amps, continuous, 8 amp surge 1 pr @ 1 amp, 1 pr @ .25 amps
EL4 - 24 VAC/DC,	1 pr @ 1 amp, 1 pr @ .25 amps
EL6 - 24 VAC/DC,	1 pr @ 1 amp, 2 pr @ .10 amps
<b>We do not recommend splicing hinges containing 26 AWG wire (EL4, EL6) to any wire heavier than 18 AWG</b>	
EL8 - 24 VAC/DC,	1 pr @ 1 amp, 3 pr @ .10 amps
EL10 - 24 VAC/DC,	1 pr @ 1 amp, 4 pr @ .10 amps
<b>We do not recommend splicing hinges containing 28 AWG wire (EL8, EL10) to any wire heavier than 20 AWG</b>	

EL MODEL AVAILABLE	
EL2 Wire	Concealed electric through-wire. 2 PTFE coated 20 gauge high Amp
EL2+4 Wire	Concealed electric through-wire. 2 PTFE coated 20 gauge. 4 PTFE coated 28 gauge.
EL4 Wire	Concealed electric through-wire. 4 PTFE coated 28 gauge
EL6 Wire	Concealed electric through-wire. 6 PTFE coated 28 gauge
EL8 Wire	Concealed electric through-wire. 8 PTFE coated 28 gauge
EL10 Wire	Concealed electric through-wire. 10 PTFE coated 28 gauge

### MATERIAL GAUGE:

.130 ± .005 for 4"

.134 ± .005 for 4-1/2"

.146 ± .005 for 5"

\*\*NOTE: PURCHASE ORDERS PLACED FOR ELECTRIC MODIFICATION ARE NON CANCELLABLE\*\*

### ELECTRIC:

Gauges available: .130, .134, .146

Additional wire length may be purchased at additional cost. See pricebook for additional cost.

All electric hinge modifications are to be placed in the center hinge position. Any other locations will void warranty. For grout filled frames install PBB mortar box-Failure to install mortar box voids warranty.

4" STANDARD SCREW SIZE	4-1/2" STANDARD SCREW SIZE	5" STANDARD SCREW SIZE
FHMS - 12-24 x 1/2" FHWS - 12 x 1-1/4"	FHMS - 12-24 x 1/2" FHWS - 12 x 1-1/4"	FHMS - 12-24 x 1/2" FHWS - 12 x 1-1/4"

**PACKAGING INFORMATION:**

One hinge and 1 screw pack per unit carton.

1 screw pack includes all machine screws (8), and 1/2 wood screws (4). ATMS & AWS also available.