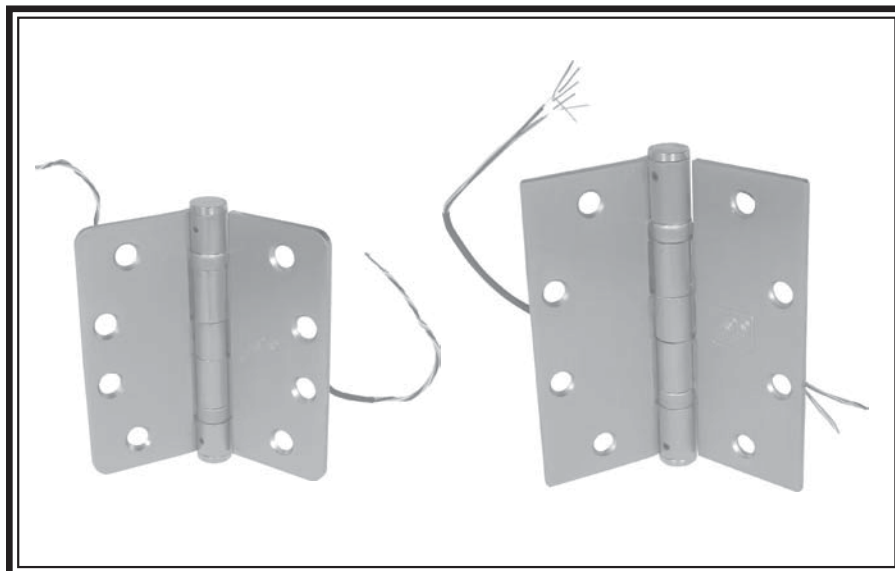




FULL MORTISE ELECTRIC BALL BEARING

STANDARD WEIGHT

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



D1

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

Gauges available: .130, .134, .146

•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 (20 gauge), four (28 gauge), six (30 gauge), eight (30 gauge), and ten (30 gauge) continuous electric conductors. Full mortise ball bearing, standard weight. NRP-NOT NECESSARY.

To order use symbol "EL" as suffix.

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****

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.

OTHER SPECIFICATIONS:

Height of hinge:

4.00 + .000 for 4"
- .015

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

5.00 + .000 for 5"
- .015

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"



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

Additional wire length may be purchased at additionally 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.



FULL MORTISE ELECTRIC BALL BEARING

Electrical Specifications - (Maximum Continuous Rating)

EL2W - 24 VAC/DC, @ 3 amps, continuous, 8 amp surge

EL4W - 24 VAC/DC, 1 pr @ 1 amp, 1 pr @ .25 amps

EL6W - 24 VAC/DC, 1 pr @ 1 amp, 2 pr @ .10 amps

We do not recommend splicing hinges containing 26 AWG wire (EL4W, 6W) to any wire heavier than 18 AWG

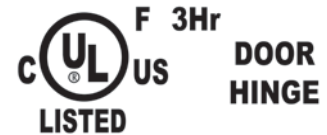
EL8W - 24 VAC/DC, 1 pr @ 1 amp, 3 pr @ .10 amps

EL10W - 24 VAC/DC, 1 pr @ 1 amp, 4 pr @ .10 amps

We do not recommend splicing hinges containing 28 AWG wire (EL8W, 10W) to any wire heavier than 20 AWG

Ratings are: 20 AWG pair @ 24 Volts AC/DC @ 3 amps continuous
20 AWG pair can be cycled at 8 amps surge for 100-200 m-sec for 15 seconds with a rest period of 15 seconds.

MODELS AVAILABLE	
EL2W	Concealed electric through-wire. 2 PTFE coated 20 gauge high Amp.
EL2+4W	Concealed electric through-wire. 2 PTFE coated 20 gauge. 4 PTFE coated 28 gauge.
EL4W	Concealed electric through-wire. 4 PTFE coated 28 gauge
EL6W	Concealed electric through-wire. 6 PTFE coated 30 gauge
EL8W	Concealed electric through-wire. 8 PTFE coated 30 gauge
EL10W	Concealed electric through-wire. 10 PTFE coated 30 gauge



INSTALLATION:

Do not disassemble hinge. Disassembly voids warranty.

Do not force hinge into perp. Binding hinges will shorten life and damage hinge.

Do not hang hinge from wires. Damage can occur.

After connections are made, slide wires through holes, making sure that wires are not pinched or rubbing on sharp edges.