

5BB1HW 5 Knuckle, ball bearing, heavy weight full mortise hinge

- Recommended for heavier weight doors (>150 lbs)
- Recommended for high frequency usage (400 cycles per day)
- Made with four ball bearing assemblies
- Recommended for use with a door closer
- Packed with fasteners for hollow metal and wood doors
12-24 x 1/2 UFPHMS, 12 x 1 1/4 FPHWS

Certifications

- Certified to ANSI/BHMA A156.1 for performance standards
- Meets ANSI/BHMA 156.7 for template hinge dimensions
- UL Classified for windstorm rated assemblies - R37965
- UL Listed, 3 hour fire doors

Material substrate

- Made from brass, 1040 steel, or 304 series stainless steel

Options

- NRPNon-removable pin
- HT.....Hospital tip
- SH.....Security stud - comes standard with NRP
- RC-1/4, RC-5/8...Rounded corners
- SECSecurity fasteners - pin-in-socket
- TW4Four wire
- TW4MFour wire with monitor
- TW8Eight wire
- TW8MEight wire with monitor
- MONMonitor

Dimensions

| Height x Width | Size (mm) | Gauge |
|----------------|-----------|-------|
| 4.5 x 4 | 114 x 102 | 0.180 |
| 4.5 x 4.5 | 114 x 114 | 0.180 |
| 5 x 4.5 | 127 x 114 | 0.190 |
| 5 x 5 | 127 x 127 | 0.190 |

Refer to General Hinge Information page to determine proper hinge for application

5BB1HW Finishes

| BHMA | Description | Substrate | Finish |
|----------|-------------------|-----------------|------------|
| 600 | Primer paint | Steel | USP |
| 605 | Bright brass | Brass | US3 |
| 606 | Satin brass | Brass | US4 |
| 610 | Satin bronze | Brass | US10 |
| 613 | Oil rubbed bronze | Brass | US10B |
| 614 | Oxidized bronze | Brass | US10A |
| 616 | Blackened bronze | Brass | US11 |
| 619 | Satin nickel | Brass | US15 |
| 622 | Matte black | Brass | B-BLK |
| 625 | Bright chrome | Brass | US26 |
| 626 | Satin chrome | Brass | US26D |
| 643e/716 | Aged bronze | Brass | B-643e/716 |
| 629 | Bright stainless | Stainless steel | US32 |
| 630 | Satin stainless | Stainless steel | US32D |
| 631 | Matte black | Steel | F-BLK |
| 632 | Bright brass | Steel | US3 |
| 633 | Satin brass | Steel | US4 |
| 639 | Satin bronze | Steel | US10 |
| 640 | Oil rubbed bronze | Steel | US10B |
| 641 | Oxidized bronze | Steel | US10A |
| 643 | Blackened bronze | Steel | US11 |
| 646 | Satin nickel | Steel | US15 |
| 651 | Bright chrome | Steel | US26 |
| 652 | Satin chrome | Steel | US26D |
| 643e/716 | Aged bronze | Steel | F-643e/716 |

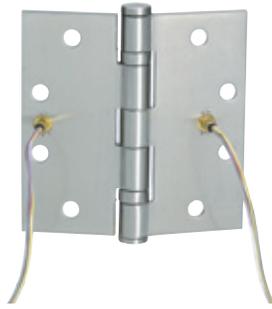
For other colors, consult factory.

General information - electrification options

Electrical through-wire (TW4 and TW8)

Provides electric power transfer from the frame to the door in order to supply power to an electrified mortise or cylindrical locks, exit devices with electric latch retraction, and/or electric strikes (pairs of doors). Through-wire is rated 50 volts AC/DC at 3.5 amp continuous and 16 amp pulse. Maximum pulse 400 milliseconds. Ives through-wire hinges are fully compatible with 4 wire (TW4) and 8 wire (TW8) installations. Available CON option comes with the Allegion Connect 8-pin Connector which makes it easy to connect to other electrical consumption devices.

- UL634 Listed
- Not available 3PB1, 3SP1, and 5PB1 models
- Not available on 3.5 x 3.5 size hinges
- Not available with security stud (SH) option
- Packaged one hinge per box with standard wood and machine screws
- Hinge is NRP as a standard
- High quality brass ferrules and plastic tubing protect the wires
- Through-wire hinges cycle tested to ensure durability
- Special wire gauge, number, and color configurations available, contact factory



Electrical Monitor (MON, TW4M, TW8M)

Provides door position monitoring. Monitor is rated 30 volts AC/DC at 0.5 amp. Fully compatible with through-wire hinges with 4 wire (TW4M) and 8 wire (TW8M) installations. Available CON option comes with the Allegion Connect 8-pin Connector which makes it easy to connect to other electrical consumption devices.

- UL634 Listed
- Not available 3PB1, 3SP1, and 5PB1 models
- Not available on 3.5 x 3.5 and 4X4 size hinges
- Not available with security stud (SH) option
- Packaged one hinge per box with standard wood and machine screws
- Hinge is NRP as a standard
- High quality brass ferrules and plastic tubing protect the wires
- Through-wire hinges cycle tested to ensure durability
- Special wire gauge, number, and color configurations available, contact factory

Hinges & pivots
A3

Pulls & plates
B

Flush bolts & coordinators
C

Latches, catches & bolts
D

Stops
E

Exterior hardware
F

Miscellaneous hardware
G