BB5

Standard Weight Ball Bearing Hinges



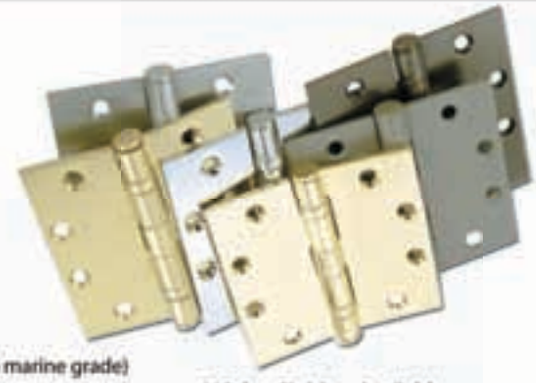
BB5-NRP
Non Removable Pin

Specifications

ANSI :	**Meets ANSI A156.1 - Dimensions and tolerances conform to ANSI - A156.7**
Gauge of metal :	**.134" +/- .005" on 4.5" x 4.5" size & .145" +/- .005" on 5" x 4 1/2" size**
Base Material :	**Steel (ANSI A8112) or Stainless Steel (Grade 304)(ANSI A5111)**
	Marine Grade 316 US32D Stainless Steel also available
Design & Templating :	**5 Knuckle Design & Templated hole locations for wood or metal doors & frames**
Fire Door Use :	**Approved for most types of fire doors up to 4' x 10', 8' x 10' pairs - Refer to NFPA80**
Swaging :	**1/16" Swage standard which provides 1/16" of clearance between leaves**
Security NRP :	**NRP - Non removable pin available upon request**
Pin :	**Equipped with easily seated non-rising pin with button head**
Pin Removal :	**Hole in bottom knuckle tip enables quick pin removal for ease of installation**
Bearings :	**Each hinge has 2 sets of maintenance free non detachable ball bearings**
Electrification :	**Concealed thru wire and monitoring options available, See electrified section**
Fasteners :	**Each box of 3 hinges contains full set of machine and wood screws**
Warranty :	**Limited Lifetime Warranty**

Available Finishes

US #	*BHMA #*	*Finish Description*
US3	632	Bright/Polished Brass
US4	633	Brushed/Satin Brass
US10	639	Brushed/Satin Bronze
US10B	640	Oil Rubbed Bronze
US15	646	Brushed/Satin Nickel
US26	651	Bright/Polished Chrome
US26D	652	Brushed/Satin Chrome
US32D	630	Brushed/Satin Stainless Steel (type 304 or 316 marine grade)
USP	600	Prime Painted



**Other Finishes Available upon request

Design Hardware™

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PH 877-258-1262 FX 877-888-0150
www.designhardware.net

BB5-HW

Heavy Weight Ball Bearing Hinges



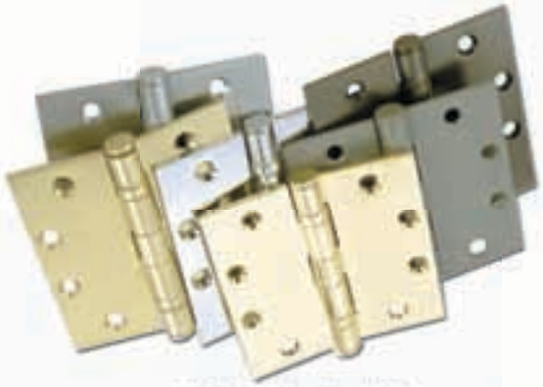
BB5-HW NRP
Non Removable Pin

Specifications

ANSI :	Meets ANSI A156.1 - Dimensions and tolerances conform to ANSI - A156.7
Gauge of metal :	.180" +/- .005" on 4.5" x 4.5" size & .190 +/- .005" on 5" x 4.5" size
Base Material :	Steel (ANSI A8112) or Stainless Steel (Grade 304)(ANSI A5112)
Design & Templating :	5 Knuckle Design & Templated hole locations for wood or metal doors & frames
Fire Door Use :	Approved for most types of fire doors up to 4' x 10', 8' x 10' pairs - Refer to NFPA80
Swaging :	1/16" Swage standard which provides 1/16" of clearance between leaves
Security NRP :	NRP - Non removable pin standard on all BB5-HW hinges
Pin :	Equipped with easily seated non-rising pin with button head
Pin Removal :	Hole in bottom knuckle tip enables quick pin removal for ease of installation
Bearings :	Each hinge has 4 sets of maintenance free non detachable ball bearings
Electrification :	Concealed thru wire and monitoring options available, See electrified section
Fasteners :	Each box of 3 hinges contains full set of machine and wood screws
Warranty :	Limited Lifetime Warranty

Available Finishes

US #	*BHMA #*	*Finish Description*
US10B	640	Oil Rubbed Bronze
US26D	652	Brushed/Satin Chrome
US32D	630	Brushed/Satin Stainless Steel



**Other Finishes Available upon request

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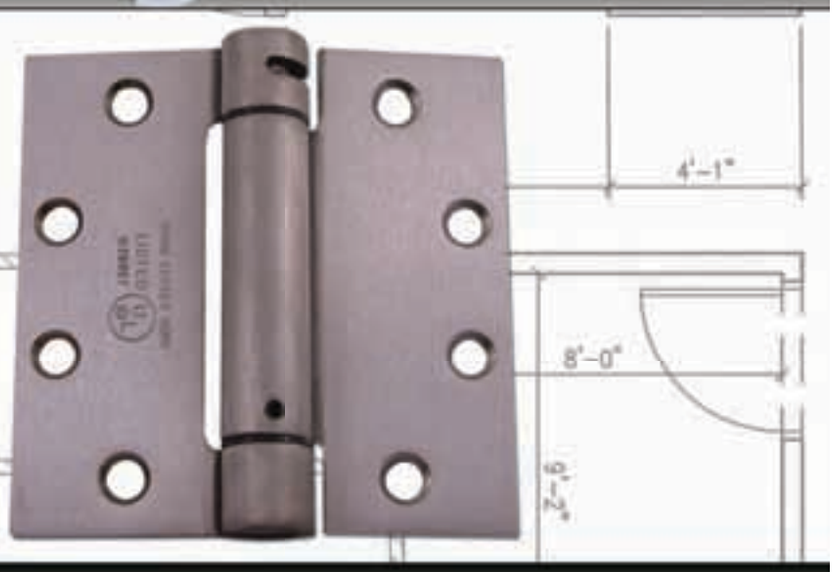
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Spring Hinge

UL Listed



Dual Spring Tension Adjustment
Slot / Hole or Hex Wrench



Specifications

ANSI :	**Meets ANSI A156.17 Grade 1 Self closing hinges**
	Dimensions and tolerances conform to ANSI A156.7
Gauge of metal :	**.134" +/- .005" on 4.5" x 4.5" size hinges**
Base Material :	**Steel (ANSI K81071F) or Stainless Steel (Grade 304)(ANSI K81071F)**
Templating :	**All hinges have templated hole locations for wood or metal doors**
Swaging :	**1/16" Swage standard which provides 1/16" of clearance between leaves**
Fasteners :	**Each box of 3 hinges contains full set of machine and wood screws**
Adjustability :	**Spring tension can be adjusted with hex wrech or tension rod (both are provided)**
	Spring tension is held by tension pin inserted into tension pin hole
Labeled Door Sizes :	**Maximum labeled door size (As set forth by NFPA80)**
	4'-0" wide x 8'-0" tall x 1 3/4" thick
NFPA 80 Reference :	**Meets NFPA80 standard for 3 Hour Fire Doors**
	NFPA 80 requires minimum of 2 spring hinges to be used on labeld doors
Warranty :	**Limited Lifetime Warranty**

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Note: Weather stripping, carpet drag, wind, drafts & twisted/misaligned doors or frames may require additional spring hinges to be used

Available Finishes

US #	*BHMA #*	*Finish Description*
US3	632	Bright/Polished Brass
US4	633	Brushed/Satin Brass
US10B	640	Oil Rubbed Bronze
US15	646	Brushed/Satin Nickel
US26	651	Bright/Polished Chrome
US26D	652	Brushed/Satin Chrome
US32D	630	Brushed/Satin Stainless Steel
USP	600	Prime Painted



**Other Finishes Available upon request

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