



### Five Knuckle



One Leaf Tapped

#### Plain Bearing - Standard Weight

For use on aluminum doors with aluminum frames. Application is by inserting the hinge leaves through a slot in the door or frame

#### 1277 Both Leaves Tapped

Steel with Steel pin  
- ANSI A8143, 5/16" Swage

#### 1278 One Leaf Tapped

Steel with Steel pin  
- ANSI A8153, 3/16" Swage

#### 1577 Both Leaves Tapped

Brass with Stainless Steel pin  
- ANSI A2143, 5/16" Swage  
Stainless Steel with Stainless Steel pin  
- ANSI A5143, 5/16" Swage

#### 1578 One Leaf Tapped

Brass with Stainless Steel pin  
- ANSI A2153, 3/16" Swage  
Stainless Steel with Stainless Steel pin  
- ANSI A5143, 3/16" Swage

- Non-rising removable pin with button tip and plug
- Handed
- Use ball bearings with door closer

Hinge Size		Gauge of Metal	Hole Count	Screw Size	
Inches	mm			Machine	Wood
4 1/2 x 4	114 x 102	0.134	8	1/2 x 12-24	1 1/4 x 12
4 1/2 x 4 1/2	114 x 114	0.134	8	1/2 x 12-24	1 1/4 x 12



Both Leaves Tapped

#### Ball Bearing - Standard Weight

For use on aluminum doors with aluminum frames. Application is by inserting the hinge leaves through a slot in the door or frame

#### BB1277 Both Leaves Tapped

Steel with Steel pin  
- ANSI A8142, 5/16" Swage

#### BB1278 One Leaf Tapped

Steel with Steel pin  
- ANSI A8152, 3/16" Swage

#### BB1577 Both Leaves Tapped

Brass with Stainless Steel pin  
- ANSI A2142, 5/16" Swage  
Stainless Steel with Stainless Steel pin  
- ANSI A5142, 3/16" Swage

#### BB1578 One Leaf Tapped

Brass with Stainless Steel pin  
- ANSI A2152, 3/16" Swage  
Stainless Steel with Stainless Steel pin  
- ANSI A5142, 3/16" Swage

- Two ball bearings
- Non-rising removable pin with button tip and plug

Hinge Size		Gauge of Metal	Hole Count	Screw Size	
Inches	mm			Machine	Wood
4 1/2 x 4	114 x 102	0.134	8	1/2 x 12-24	1 1/4 x 12
4 1/2 x 4 1/2	114 x 114	0.134	8	1/2 x 12-24	1 1/4 x 12

### Three Knuckle



#### Full Mortise - Concealed Anti-Friction Bearing - Standard Weight

For use in hospitals or other institutional type buildings

#### AB7001 For Square Edge Doors

Steel with Steel pin  
- ANSI A8122

#### AB7002 For Beveled Edge Doors

Steel with Steel pin  
- ANSI A8122

- Non-rising removable pin with flush pin and plug
- Reversible

Hinge Size		Gauge of Metal	Hole Count	Screw Size	
Inches	mm			Machine	Wood
4 1/2	114	0.139	8	1/2 x 12-24 FH	1 1/4 x 12 FH
5	127	0.139	8	1/2 x 12-24 FH	1 1/4 x 12 FH

Note: When opened 90° door projects 3/32" (2 mm) past stop of jamb



#### Full Mortise - Concealed Anti-Friction Bearing - Heavy Weight

For use in hospitals or other institutional type buildings

#### AB7501 For Square Edge Doors

Steel with Steel pin  
- ANSI A8121

#### AB7502 For Beveled Edge Doors

Steel with Steel pin  
- ANSI A8121

- Non-rising removable pin with flush pin and plug
- Reversible

Hinge Size		Gauge of Metal	Hole Count	Screw Size	
Inches	mm			Machine	Wood
4 1/2	114	0.187	8	1/2 x 12-24 FH	1 1/4 x 12 FH
5	127	0.187	8	1/2 x 12-24 FH	1 1/4 x 12 FH

Note: When opened 90° door projects 11/64" (4 mm) past stop of jamb



#### Half Mortise - Concealed Anti-Friction Bearing - Heavy Weight

For use in hospitals or other institutional type buildings

#### AB7511 For Square Edge Doors

Steel with Steel pin  
- ANSI A8221

#### AB7512 For Beveled Edge Doors

Steel with Steel pin  
- ANSI A8221

- Non-rising removable pin with flush pin and plug
- Reversible

Hinge Size		Gauge of Metal	Hole Count	Machine/Wood Screw Size	
Inches	mm			Door Leaf	Jamb Leaf
5	127	0.187	8	1/2 x 12-24 FH 1 1/4 x 12 FH	1/2 x 1/4-20 FH 1 1/2 x 14 FH

Note: When opened 90° door projects 11/64" (4 mm) past stop of jamb



# Architectural Hinges

## Swing Clear

### Three Knuckle



#### Full Surface - Concealed Anti-Friction Bearing - Heavy Weight

For use in hospitals or other institutional type buildings

**AB7523** Steel with Steel pin  
- ANSI A8321

- Non-rising removable pin with flush pin and plug
- Beveled surface leaves
- Reversible



Hinge Size		Gauge of Metal	Hole Count	Machine Screw Size	
Inches	mm			Door Leaf	Jamb Leaf
5	127	0.187	9	2 x 1/4-20 FH	1/2 x 12-24 FH

Note: When opened 90° door projects 11/64" (4 mm) past stop of jamb



#### Half Surface - Concealed Anti-Friction Bearing - Heavy Weight

For use in hospitals or other institutional type buildings

**AB7534** Steel with Steel pin  
- ANSI A8421

- Non-rising removable pin with flush pin and plug
- Beveled surface leaf
- Reversible



Hinge Size		Gauge of Metal	Hole Count	Machine Screw Size	
Inches	mm			Door Leaf	Jamb Leaf
5	127	0.187	9	2 x 1/4-20 FH	1/2 x 12-24 FH

Note: When opened 90° door projects 11/64" (4 mm) past stop of jamb

### Five Knuckle



#### Full Mortise - Plain Bearing - Standard Weight

For residential and commercial use

**1260** For Square Edge Doors  
Steel with Steel pin  
- ANSI A8123

- Non-rising removable pin with button tip and plug
- Reversible



Hinge Size		Gauge of Metal	Hole Count	Screw Size	
Inches	mm			Machine	Wood
3 1/2	89	0.119	6	1/2 x 10-24 FH	1 x 9 FH
4	102	0.129	8	1/2 x 12-24 FH	1 1/4 x 12 FH

Note: When opened 90° door projects 9/64" (4 mm) past stop of jamb for 3 1/2" hinge and 3/16" (5 mm) past stop of jamb for 4" hinge



#### Full Mortise - Ball Bearing - Standard Weight

For use in hospitals or other institutional type buildings

**BB1260** For Square Edge Doors  
Steel with Steel pin  
- ANSI A8122

**BB1261** For Beveled Edge Doors  
Steel with Steel pin  
- ANSI A8122

- Two ball bearings
- Non-rising removable pin with button tip and plug
- Reversible



Hinge Size		Gauge of Metal	Hole Count	Screw Size	
Inches	mm			Machine	Wood
4 1/2	114	0.140	8	1/2 x 12-24 FH	1 1/4 x 12 FH
5	127	0.140	8	1/2 x 12-24 FH	1 1/4 x 12 FH

Note: When opened 90° door projects 3/32" (2 mm) past stop of jamb



#### Full Mortise - Ball Bearing - Heavy Weight

For use in hospitals or other institutional type buildings

**BB1262** For Square Edge Doors  
Steel with Steel pin  
- ANSI A8121

**BB1263** For Beveled Edge Doors  
Steel with Steel pin  
- ANSI A8121

- Four ball bearings
- Non-rising removable pin with button tip and plug
- Reversible



Hinge Size		Gauge of Metal	Hole Count	Screw Size	
Inches	mm			Machine	Wood
4 1/2	114	0.180	8	1/2 x 12-24 FH	1 1/4 x 12 FH
5	127	0.190	8	1/2 x 12-24 FH	1 1/4 x 12 FH

Note: When opened 90° door projects 11/64" (4 mm) past stop of jamb



### Five Knuckle



#### Full Mortise - Ball Bearing - Standard Weight

For use in hospitals or other institutional type buildings

##### BB1360 For Square Edge Doors

Stainless Steel with Stainless Steel pin  
- ANSI A5122

##### BB1361 For Beveled Edge Doors

Stainless Steel with Stainless Steel pin  
- ANSI A5122

- Two ball bearings
- Non-rising removable pin with button tip and plug
- Reversible

Hinge Size		Gauge of Metal	Hole Count	Screw Size	
Inches	mm			Machine	Wood
4 1/2	114	0.180	8	1/2 x 12-24 FH	1 1/4 x 12 FH
5	127	0.190	8	1/2 x 12-24 FH	1 1/4 x 12 FH

Note: When opened 90° door projects 3/32" (2 mm) past stop of jamb

### Five Knuckle



#### Half Mortise - Ball Bearing - Heavy Weight

For use in hospitals or other institutional type buildings

##### BB1264 For Square Edge Doors

Steel with Steel pin  
- ANSI A8221

##### BB1265 For Beveled Edge Doors

Steel with Steel pin  
- ANSI A8221

- Four ball bearings
- Non-rising removable pin with button tip and plug
- Reversible

Hinge Size		Gauge of Metal	Hole Count	Door Leaf Screw Size		Jamb Leaf Screw Size	
Inches	mm			Machine	Wood	Machine	Wood
5	127	0.187	8	1/2 x 12-24 FH	1 1/4 x 12 FH	1/2 x 1/4-20 FH	1 1/4 x 12 FH

Note: When opened 90° door projects 11/64" (4 mm) past stop of jamb



#### Full Mortise - Ball Bearing - Heavy Weight

For use in hospitals or other institutional type buildings

##### BB1362 For Square Edge Doors

Stainless Steel with Stainless Steel pin  
- ANSI A5121

##### BB1363 For Beveled Edge Doors

Stainless Steel with Stainless Steel pin  
- ANSI A5121

- Four ball bearings
- Non-rising removable pin with button tip and plug
- Reversible

Hinge Size		Gauge of Metal	Hole Count	Screw Size	
Inches	mm			Machine	Wood
4 1/2	114	0.180	8	1/2 x 12-24 FH	1 1/4 x 12 FH
5	127	0.190	8	1/2 x 12-24 FH	1 1/4 x 12 FH

Note: When opened 90° door projects 11/64" (4 mm) past stop of jamb



#### Full Surface - Ball Bearing - Heavy Weight

For use in hospitals or other institutional type buildings

##### BB1266 Steel with Stainless Steel pin - ANSI A8321

- Four ball bearings
- Non-rising removable pin with button tip and plug
- Beveled surface leaves
- Reversible

Hinge Size		Gauge of Metal	Hole Count	Machine Screw Size	
Inches	mm			Door Leaf	Jamb Leaf
5	127	0.187	9	2 x 1/4-20 FH	1/2 x 1/4-20 FH

Note: When opened 90° door projects 11/64" (4 mm) past stop of jamb



#### Half Surface - Ball Bearing - Heavy Weight

For use in hospitals or other institutional type buildings

##### BB1270 Steel with Stainless Steel pin - ANSI A8421

- Four ball bearings
- Non-rising removable pin with button tip and plug
- Beveled surface leaf
- Reversible

Hinge Size		Gauge of Metal	Hole Count	Machine Screw Size	
Inches	mm			Door Leaf	Jamb Leaf
5	127	0.187	9	2 x 1/4-20 FH	1/2 x 12-24 FH

Note: When opened 90° door projects 11/64" (4 mm) past stop of jamb