



# Architectural Hinges

## Half Mortise

### Three Knuckle



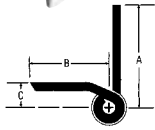
#### Concealed Anti-Friction Bearing - Standard Weight

For use on medium weight hollow metal doors with channel iron frames requiring medium frequency service

**AB701** Steel with Steel pin  
- ANSI A8212

**AB801** Brass with Stainless Steel pin  
- ANSI A2212  
Stainless Steel with Stainless Steel pin  
- ANSI A5212

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



Hinge Size		Gauge of Metal	Hole Count	Machine Screw Size	
Inches	mm			Door Leaf	Jamb Leaf
4 1/2	114	0.134	7	1/2 x 12-24 FH	1/2 x 12-24 OH
5	127	0.145	8	1/2 x 12-24 FH	1/2 x 12-24 OH

Hinge Size		Door Leaf Width "A"		Jamb Leaf Width "B"		Jamb Leaf Offset "C"	
Inches	mm	Inches	mm	Inches	mm	Inches	mm
4 1/2	114	2	51	1 1/2	38	3/8	10
5	127	2	51	1 1/2	38	3/8	10

### Five Knuckle

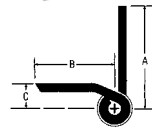


#### Plain Bearing - Standard Weight

For use on medium weight hollow metal doors with channel iron frames requiring low frequency service

**1129** Steel with Steel pin  
- ANSI A8233

- Non-rising removable pin with button tip and plug
- Beveled surface leaf
- Not for use with door closer
- Reversible



Hinge Size		Gauge of Metal	Hole Count	Machine Screw Size	
Inches	mm			Door Leaf	Jamb Leaf
4 1/2	114	0.134	7	1/2 x 12-24 FH	1/2 x 12-24 OH

Hinge Size		Door Leaf Width "A"		Jamb Leaf Width "B"		Jamb Leaf Offset "C"	
Inches	mm	Inches	mm	Inches	mm	Inches	mm
4 1/2	114	2	51	1 1/2	38	3/8	10



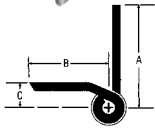
#### Concealed Anti-Friction Bearing - Heavy Weight

For use on heavy weight hollow metal doors with channel iron frames requiring high frequency service

**AB751** Steel with Steel pin  
- ANSI A8211

**AB851** Brass with Stainless Steel pin  
- ANSI A2211  
Stainless Steel with Stainless Steel pin  
- ANSI A5211

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



Hinge Size		Gauge of Metal	Hole Count	Machine Screw Size	
Inches	mm			Door Leaf	Jamb Leaf
4 1/2	114	0.180	7	1/2 x 12-24 FH	1/2 x 12-24 OH
5	127	0.190	8	1/2 x 12-24 FH	1/2 x 12-24 OH
6†	152	0.203 Brass & Steel, 0.190 SS	9	1/2 x 1/4-20 FH	1/2 x 1/4-20 OH

Hinge Size		Door Leaf Width "A"		Jamb Leaf Width "B"		Jamb Leaf Offset "C"	
Inches	mm	Inches	mm	Inches	mm	Inches	mm
4 1/2	114	2 1/16	53	1 1/2	38	7/16	11
5	127	2 1/16	53	1 1/2	38	7/16	11
6 x 1 3/4†	152	2 1/8	54	1 1/2	38	1/2	12.5

† Door thickness must be specified



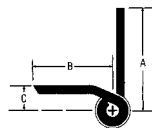
#### Ball Bearing - Standard Weight

For use on medium weight hollow metal doors with channel iron frames requiring medium frequency service

**BB1109** Brass with Stainless Steel pin  
- ANSI A2212  
Stainless Steel with Stainless Steel pin  
- ANSI A5212

**BB1129** Steel with Steel pin  
- ANSI A8212

- Two 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
4 1/2	114	0.134	7	1/2 x 12-24 FH	1/2 x 12-24 OH
5	127	0.145	8	1/2 x 12-24 FH	1/2 x 12-24 OH

Hinge Size		Door Leaf Width "A"		Jamb Leaf Width "B"		Jamb Leaf Offset "C"	
Inches	mm	Inches	mm	Inches	mm	Inches	mm
4 1/2	114	2	51	1 1/2	38	3/8	10
5	127	2	51	1 1/2	38	3/8	10



### Five Knuckle



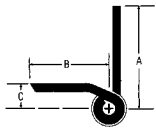
#### Ball Bearing - Heavy Weight

For use on heavy weight hollow metal doors with channel iron frames requiring high frequency service

**BB1138** Steel with Steel pin  
- ANSI A8211

**BB2098** Brass with Stainless Steel pin  
- ANSI A2211  
Stainless Steel with Stainless Steel pin  
- ANSI A5211

- 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
4 1/2	114	0.180	7	1/2 x 12-24 FH	1/2 x 12-24 OH
5	127	0.190	8	1/2 x 12-24 FH	1/2 x 12-24 OH
6†	152	0.203 Brass & Steel; 0.190 SS	9	1/2 x 1/4-20 FH	1/2 x 1/4-20 OH

Hinge Size		Door Leaf Width "A"		Jamb Leaf Width "B"		Jamb Leaf Offset "C"	
Inches	mm	Inches	mm	Inches	mm	Inches	mm
4 1/2	114	2 1/16	53	1 1/2	38	7/16	11
5	127	2 1/16	53	1 1/2	38	7/16	11
6 x 1 3/4†	152	2 1/8	54	1 1/2	38	1/2	12.5

† Door thickness must be specified.

### Three Knuckle



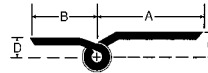
#### Concealed Anti-Friction Bearing - Standard Weight

For use on medium weight tubular steel doors with channel iron frames requiring medium frequency service

**AB702** Steel with Steel pin  
- ANSI A8312

**AB802** Brass with Stainless Steel pin  
- ANSI A2312  
Stainless Steel with Stainless Steel pin  
- ANSI A5312

- Thru-bolts and grommets for wood door applications
- Beveled surface leaves
- Non-rising removable pin with flush pin and plug
- Reversible



Hinge Size		Gauge of Metal	Hole Count	Machine Screw Size	
Inches	mm			Door Leaf	Jamb Leaf
4 1/2	114	0.134	6	2 x 1/4-20 OH	1/2 x 12-24 OH
5	127	0.145	8	2 x 1/4-20 OH	1/2 x 12-24 OH

Hinge Size		Door Leaf Width "A"		Jamb Leaf Width "B"		Door Leaf Offset "C"		Jamb Leaf Offset "D"	
Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm
4 1/2	114	2 9/16	65	1 1/2	38	1/2	12.5	3/8	10
5	127	2 7/8	73	1 1/2	38	1/2	12.5	3/8	10

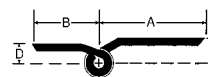
#### Concealed Anti-Friction Bearing - Heavy Weight

For use on heavy weight hollow metal doors with channel iron frames requiring high frequency service

**AB752** Steel with Steel pin  
- ANSI A8311

**AB852** Brass with Stainless Steel pin  
- ANSI A2311  
Stainless Steel with Stainless Steel pin  
- ANSI A5311

- Thru-bolts and grommets for wood door applications
- Beveled surface leaves
- Non-rising removable pin with flush pin and plug
- Reversible



Hinge Size		Gauge of Metal	Hole Count	Machine Screw Size	
Inches	mm			Door Leaf	Jamb Leaf
4 1/2	114	0.180	6	2 x 1/4-20 OH	1/2 x 12-24 OH
5	127	0.190	8	2 x 1/4-20 OH	1/2 x 12-24 OH
6†	152	0.203 Brass & Steel; 0.190 SS	9	2 x 1/4-20 OH	1/2 x 12-24 OH

Hinge Size		Door Leaf Width "A"		Jamb Leaf Width "B"		Door Leaf Offset "C"		Jamb Leaf Offset "D"	
Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm
4 1/2	114	2 9/16	65	1 1/2	38	9/16	14	7/16	11
5	127	2 7/8	73	1 1/2	38	9/16	14	7/16	11
6†	152	3 1/4	83	1 1/2	38	5/8	15	1/2	12.5

† Door thickness must be specified