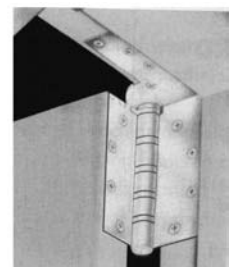


# 5 KNUCKLE PIVOT REINFORCED HINGES

**Heavy Weight Ball Bearing  
Shock Proof!**

- FBB211 – (ANSI A8541)
  - FBB212 – (ANSI A8541)
  - FBB213 – (ANSI A8541)
- Steel – polished and plated or phosphated and prime coated for painting
- FBB221 – (ANSI A2541)
  - FBB222 – (ANSI A2541)
  - FBB223 – (ANSI A2541)
- Bronze – polished and finished
- FBB222 (32D) – (ANSI A5541)
  - FBB223 (32D) – (ANSI A5541)
- Stainless steel – satin finish

- Ideal for any door that is subject to jarring or abusive handling
- The purpose of this two-in-one combination is to anchor and reinforce doors and frames exposed to damage from abuse. In such installations, stresses are transferred to the top hinge
- A pivot and butt hinge are combined in one compact interlocked unit and share the same pin to assure perfect alignment. Interlocked corners prevent sidewise motion of pivot or butt leaves
- Heavy weight gauges increase available bearing surface area for maximum friction reduction
- Beveled edge doors require a different door plate than square edge doors
- Short door plate [4" (102mm) min.] available for use with most concealed holders and closers – specify on order
- Handed left or right



Right Hand Shown

Class Number	Door Edge	Metal	Top Hinge*	Contents of Set	
				Intermediate and Bottom Hinge*	
				Number	Size Inches (mm)
FBB211	Square or beveled 1/8" in 2" (3.2 in 51mm)	Steel	1–Type of FBB168 NRP X Frame plate ONLY	2-FBB168-NRP	5 X 4 1/2 (127 X 114)
FBB212	Square	Steel	1–Type of FBB168 NRP X Frame and door plate	2-FBB168-NRP	5 X 4 1/2 (127 X 114)
FBB213	Beveled 1/8" IN 2" (3.2 in 51 mm)	Steel	1–Type of FBB168 NRP X Frame and door plate	2-FBB168-NRP	5 X 4 1/2 (127 X 114)
FBB221	square or beveled 1/8" in 2" (3.2 in 51mm)	Bronze	1–Type of FBB199 NRP X Frame plate ONLY	2-FBB199-NRP	5 X 4 1/2 (127 X 114)
FBB222	Square	Bronze	1–Type of FBB199 NRP X Frame and door plate	2-FBB199-NRP	5 X 4 1/2 (127 X 114)
FBB222 (32D)	Square	Stainless Steel	1–Type of FBB199 NRP X Frame and door plate	2-FBB199-NRP	5 X 4 1/2 (127 X 114)
FBB223	Beveled 1/8" in 2" (3.2 in 51mm)	Bronze	1–Type of FBB199 NRP X Frame and door plate	2-FBB199-NRP	5 X 4 1/2 (127 X 114)
FBB223 (32D)	Beveled 1/8" IN 2" (3.2 in 51 mm)	Stainless Steel	1–Type of FBB199 NRP X Frame and door Plate	2-FBB199-NRP	5 X 4 1/2 (127 X 114)

Class Number	Gauge of Metal Inches (mm)	Frame Plate			Door Plate			Flat Head Screws/Set		Sets Per Case	Case Weight Lbs. (Kg)
		Length Inches (mm)	Width Inches (mm)	Length Inches (mm)	Width Inches (mm)	Wood	Machine				
								Length Inches (mm)	Width Inches (mm)		
FBB211	.190 (4.8)	5 (127)	1.25 (31.8)	...	...	...	...	28-12- X 1 1/2	28-12-24 X 1 1/2	1	6 (3)
FBB212	.190 (4.8)	5 (127)	1.25 (31.8)	7.78 (198)	1.25 (31.8)	7.78 (198)	1.25 (31.8)	32-12- X 1 1/2	32-12-24 X 1 1/2	1	7 (3)
FBB213	.190 (4.8)	5 (127)	1.25 (31.8)	7.64 (194)	1.25 (31.8)	7.64 (194)	1.25 (31.8)	32-12- X 1 1/2	32-12-24 X 1 1/2	1	7 (3)
FBB221	.190 (4.8)	5 (127)	1.25 (31.8)	...	...	...	...	12-12- X 1 1/2	28-12-24 X 1 1/2	1	6 (3)
FBB222	.190 (4.8)	5 (127)	1.25 (31.8)	7.78 (198)	1.25 (31.8)	7.78 (198)	1.25 (31.8)	16-12- X 1 1/2	32-12-24 X 1 1/2	1	7 (3)
FBB222 (32D)	.190 (4.8)	5 (127)	1.25 (31.8)	7.78 (198)	1.25 (31.8)	7.78 (198)	1.25 (31.8)	16-12- X 1 1/2	32-12-24 X 1 1/2	1	7 (3)
FBB223	.190 (4.8)	5 (127)	1.25 (31.8)	7.64 (194)	1.25 (31.8)	7.64 (194)	1.25 (31.8)	16-12- X 1 1/2	32-12-24 X 1 1/2	1	7 (3)
FBB223 (32D)	.190 (4.8)	5 (127)	1.25 (31.8)	7.64 (194)	1.25 (31.8)	7.64 (194)	1.25 (31.8)	16-12- X 1 1/2	32-12-24 X 1 1/2	1	7 (3)

Hinges supplied with set screw in barrel, non-removable pin  
For doors over 7' 6" in height, specify additional hinges to order: specify catalog number, finish and hand