

# 5 Knuckle Half Surface Hinges

## Heavy Weight Ball Bearing

FBB163 (ANSI A8411) – Steel – polished and plated or phosphated and prime coated for painting

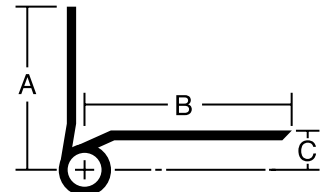
FBB113 (ANSI A2411) – Brass or bronze – polished and plated or painted

FBB113 (32) (ANSI A5411) – Stainless steel – highly polished

FBB113 (32D) (ANSI A5411) – Stainless steel – satin finish



- For heavy or high frequency wood, or mineral core doors with edge rails that won't hold screws hung on hollow metal frames
- Equipped with four Stanley permanently lubricated non-detachable ball bearings
- Heavy weight gauges increase available bearing surface area for maximum friction reduction
- Pins in non-ferrous hinges are stainless steel
- Reversible flush tips and pins
- Hinges can be furnished with hospital tips (HT)
- Consider using a back plate with these hinges
- Packed with machine screws and grommet nuts for 1 3/4" doors



Measurements below

Size Length of Joint		Width				Offset		Gauge of Metal		Flat Head Screws Per Piece		Quantity Per Box	Quantity Per Case	Case Weight			
		Frame Leaf (A)		Door Leaf (B)		(C)								Bronze	Steel		
Inches	(mm)	Inches	(mm)	Inches	(mm)	Inches	(mm)	Inches	(mm)	Frame Leaf	Door Leaf			Lbs.	(Kg)	Lbs.	(Kg)
4 1/2	(114)	2 1/8	(54)	2 9/16	(65)	5/8	(15.9)	.180	(4.6)	4-12-24 x 1/2	3-1/4-20 x 2	3 ea.	30 ea.	59	(27)	47	(21)
5	(127)	2 1/8	(54)	2 7/8	(73)	5/8	(15.9)	.190	(4.8)	4-12-24 x 1/2	4-1/4-20 x 2	3 ea.	24 ea.	58	(26)	48	(22)
6	(152)	2 1/8	(54)	3 1/4	(82.6)	5/8	(15.9)	.203	(5.2)	5-1/4-20 x 1/2	5-1/4-20 x 2	3 ea.	24 ea.	90	(41)	82	(37)