

5 Knuckle Hinges

Full Mortise Standard Weight Plain Bearing

F179 – (ANSI A8133 except for 3" x 3") Steel – polished and plated or phosphated and prime coated for painting

F191 – (ANSI A2133) Brass or bronze – polished and plated or painted

F191 (32) – (ANSI A5133) Stainless steel – highly polished

F191 (32D) – (ANSI A5133) Stainless steel – satin finish



- For use on internal or external doors without door closers in hospitals, churches, schools, airports, hotels, malls, apartment houses, office buildings, etc.
- All hinges have template screw hole location for use on either wood or hollow metal doors and frames
- Use anti-friction bearing hinges on high and average frequency doors and all doors equipped with door closers
- Hinges can be furnished with hospital tips (HT)

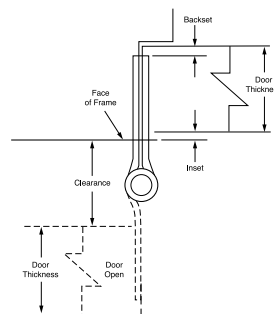


Size Open		Gauge of Metal		Flat Head Screws Per Piece		Quantity Per Box	Quantity Per Case	Case Weight			
Inches	(mm)	Inches	(mm)	Machine	Wood			Bronze		Steel	
								Lbs.	(Kg)	Lbs.	(Kg)
3 1/2 x 3	(89 x 76)	.123	(3.1)	6 - 10-24 x 1/2	6 - 10 x 1	2 ea.	100 ea.	60	(27)	64	(29)
3 1/2 x 3 1/2	(89 x 89)	.123	(3.1)	6 - 10-24 x 1/2	6 - 10 x 1	2 ea.	100 ea.	66	(30)	72	(33)
4 x 3 1/2	(102 x 89)	.130	(3.3)	8 - 12-24 x 1/2	8 - 12 x 1 1/4	3 ea.	48 ea.	38	(17)	44	(20)
4 x 4	(102 x 102)	.130	(3.3)	8 - 12-24 x 1/2	8 - 12 x 1 1/4	3 ea.	48 ea.	43	(20)	46	(21)
4 1/2 x 4	(114 x 102)	.134	(3.4)	8 - 12-24 x 1/2	8 - 12 x 1 1/4	3 ea.	48 ea.	51	(23)	54	(25)
4 1/2 x 4 1/2	(114 x 114)	.134	(3.4)	8 - 12-24 x 1/2	8 - 12 x 1 1/4	3 ea.	48 ea.	55	(25)	60	(27)
*5 x 4	(127 x 102)	.146	(3.7)	8 - 12-24 x 1/2	8 - 12 x 1 1/4	3 ea.	30 ea.	40	(18)	43	(20)
*5 x 4 1/2	(127 x 127)	.146	(3.7)	8 - 12-24 x 1/2	8 - 12 x 1 1/4	3 ea.	30 ea.	43	(20)	46	(21)
*5 x 5	(127 x 127)	.146	(3.7)	8 - 12-24 x 1/2	8 - 12 x 1 1/4	3 ea.	30 ea.	46	(21)	51	(23)

*Steel only – for other substrates consult factory

Wide Throw Hinge

- A full mortise hinge with wider than normal leaves, positions the door out further, when open, than with conventional hinges
- Normally used when doors are set in a reveal and are required to open 180°
- Specify whether hinges are for square or beveled edge doors on the hinge side when ordering



For hinge width formula refer to page 5.