

ROMTEC

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Door Hinges

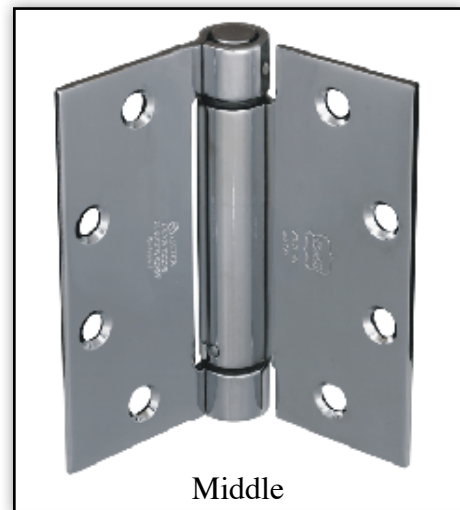
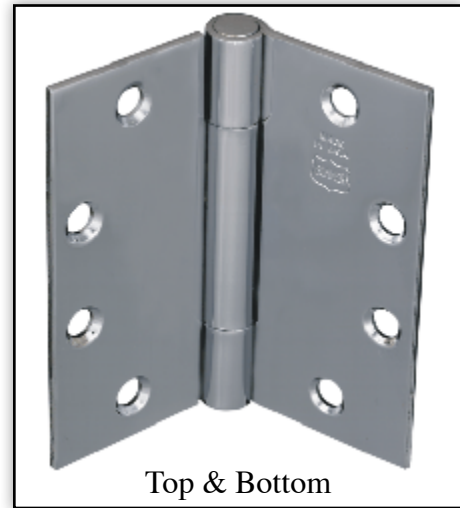
by Chuck Guyer

DESIGN
ENGINEERING
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Most people take door hinges for granted; we figure that when we purchase a door, the hinges on it will do the job. In most cases that statement is true, however there is a lot more to hinges than what you may think, especially commercial hinges. The variations are many, for example: the type of metal used (steel, brass, stainless steel) the size of the hinge (3", 3.5", 4", etc.), removability of the hinge pin and other factors.

Romtec specifies hinges for functionality, durability and value. Unless a custom hinge is specified by our customer, the standard hinge used in Romtec buildings is the 4.5" x 4.5" stainless steel commercial hinge manufactured by Bommer, Inc. The barrel of the hinge (this is the part that the pin is inserted into) has nylon bushings between the spots where the steel would touch each other. The bushings help eliminate wear and help seal lubricant inside the hinge.

Because the doors swing out, the hinge barrels are on the outside of the building, making the hinge pins accessible. Romtec has chosen to have two of the three hinges made with non-removable pins (NRP). This means that even if someone removes the center pin from one of the three hinges, the door will still function properly, and the person will not be able to gain access to the room.



SIZE OPEN HEIGHT & WIDTH	GAUGE	SCREW SIZE		NUMBER OF HOLES	QUANTITY	
		MACHINE			BOX	CASE
4.5 X 4.5 (450)	.134	12-24 x 1/2		8	3 ea.	48 ea.

Item no.	Hinge Size	Corners	Gauge of Metal	Hole Pattern	Number of Holes	Screw Size & Quantity Per Hinge		Hinge Quantity		Average Case Weight
						Wood	Machine	Box	Case	
LB4310C-450	4 1/2" x 4 1/2"	Square	.134	Template	8	(4) #12 x 1 1/4"	(8) #12-24x 1/2"	2	40ea.	47bs.