STEEL WITH STEEL PIN

STANDARD WEIGHT FULL MORTISE STEEL HINGE

GBB79

- 2 Ball Bearing, 5 Knuckle design.
- Template hinge.
- For use on medium weight doors or doors requiring average frequency service.
- Button tip and plug.
- Optional non-rising removable pin.
- All sizes packed 3 per box with screws (48/case), regularly furnished with Phillips flat head screws.

GBB79	4" x 4" (101 x 101mm)	4 1/2" x 4" (114 x 101mm) 4 1/2" x 4 1/2" (114 x 114mm)	5" x 4" (127 x 101mm) 5" x 4 1/2" (127 x 114mm) 5" x 5" (127 x 127mm)
Gauge of metal	0.129" (3.3mm)	0.134" (3.4mm)	0.145" (3.7mm)
Number of holes	8		
Machine screw size	1/2 x 12-24		
Wood screw size	1 1/4 x 12		
Average weight/pair			
Steel	1.8lbs. (0.8kg)	2.3lbs. (1kg)	3.1lbs. (1.4kg)
Brass	1.9lbs. (0.9kg)	2.5lbs. (1.1kg)	3.2lbs. (1.5kg)

STAINLESS STEEL WITH STAINLESS STEEL PIN

STANDARD WEIGHT FULL MORTISE STAINLESS STEEL HINGE

GBB91

- 2 Ball Bearing, 5 Knuckle design.
- Template hinge.
- For use on medium weight doors or doors requiring average frequency service.
- Button tip and plug.
- Optional non-rising removable pin.
- All sizes packed 3 per box with screws (48/case), regularly furnished with Phillips flat head screws.

GBB91	4" x 4" (101 x 101mm)	4 1/2" x 4" (114 x 101mm) 4 1/2" x 4 1/2" (114 x 114mm)	5" x 4" (127 x 101mm) 5" x 4 1/2" (127 x 114mm) 5" x 5" (127 x 127mm)
Gauge of metal	0.129" (3.3mm)	0.134" (3.4mm)	0.145" (3.7mm)
Number of holes	8		
Machine screw size	1/2 x 12-24		
Wood screw size	1 1/4 x 12		
Average weight/pair			
Stainless Steel	1.8lbs. (0.8kg)	2.3lbs. (1kg)	3.1lbs. (1.4kg)
Brass	1.9lbs. (0.9kg)	2.5lbs. (1.1kg)	3.2lbs. (1.5kg)

STEEL WITH STEEL PIN

HEAVY WEIGHT FULL MORTISE STEEL HINGE

GBB68

- 4 Ball Bearing, 5 Knuckle design.
- Template hinge.
- For use on heavy doors or doors requiring high frequency service.
- Button tip and plug.
- Optional non-rising removable pin.
- All sizes packed 3 per box with screws (48/case), regularly furnished with Phillips flat head screws.

GBB68	4 1/2" x 4" (114 x 101mm)	5" x 4" (127 x 101mm)
		5" x 4 1/2" (127 x 114mm)
	4 1/2" x 4 1/2" (114 x 114mm)	5" x 5" (127 x 127mm)
Gauge of metal	0.180" (4.6mm)	0.190" (4.8mm)
Number of holes	8	
Machine screw size	1/2 x 12-24	
Wood screw size	1 1/4 x 12	
Average weight/pair		
Steel	2.7lbs. (1.2kg)	3.6lbs. (1.6kg)
Brass	2.8lbs. (1.3kg)	3.8lbs. (1.7kg)

STAINLESS STEEL WITH STAINLESS STEEL PIN

HEAVY WEIGHT FULL MORTISE STAINLESS STEEL HINGE

GBB99

- 4 Ball Bearing, 5 Knuckle design.
- Template hinge.
- For use on heavy doors or doors requiring high frequency service.
- Button tip and plug.
- Optional non-rising removable pin.
- All sizes packed 3 per box with screws (48/case), regularly furnished with Phillips flat head screws.

GBB99		5" x 4" (127 x 101mm)
	4 1/2" x 4" (114 x 101mm)	5" x 4 1/2" (127 x 114mm)
	4 1/2" x 4 1/2" (114 x 114mm)	5" x 5" (127 x 127mm)
Gauge of metal	0.180" (4.6mm)	0.190" (4.8mm)
Number of holes	8	
Machine screw size	1/2 x 12-24	
Wood screw size	1 1/4 x 12	
Average weight/pair		
Stainless Steel	2.7lbs. (1.2kg)	3.6lbs. (1.6kg)
Brass	2.8lbs. (1.3kg)	3.8lbs. (1.7kg)

FULL MORTISE SPRING HINGE SERIES G50

- 3 Knuckle design.
- Template hinge.
- For Automatic closing of doors. Meets codes for hotels, motels, institutions and commercial buildings.
- Adjustable Tension, adjusting tool included.
- Standard screw packaging on sizes 4 1/2" x 4" (114 x 101mm) and 4 1/2" x 4 1/2" (114 x 114mm) is all machine and 1/2 wood. Machine screws for 4" x 4" (101 x 101mm) hinges packed upon request - specify size and application.

NOTES:

1. For maximum versatility, use all spring hinges or a combination of spring hinges and ball bearing hinges. Do not use plain bearing hinges.
2. Full spring tension may not be required on all hinges.

MAXIMUM DOOR SIZE:

For labeled doors 3' x 7' (914 x 2134mm), the maximum door size is based on the limits set forth by NFPA Standard #80. Labeled doors require Ball Bearing hinges. For non-labeled doors 4'0" (1220mm) wide, 4" x 4" (101 x 101mm) Spring hinges are not recommended. For non-labeled doors over 7'6" (2250mm) in height, use an additional hinge for each additional 30" (750mm) of height or fraction thereof.

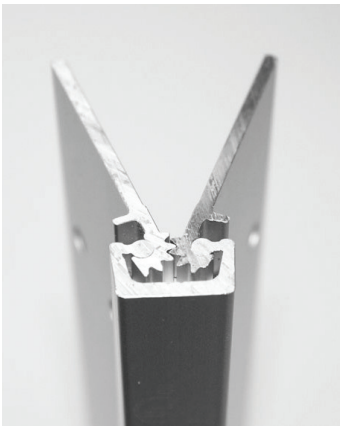
SERIES	SIZE	RECOMMENDED MAX DOOR WEIGHT (lbs.)	SPRING HINGE	BUTT HINGE
For Use on 1 3/4" Door				
G50	4" x 4" (101 x 101mm)	60	1	2
		85	2	1
		110	3	0
G50	4 1/2" x 4" (114 x 101mm) 4 1/2" x 4 1/2" (114 x 114mm)	70	1	2
		115	2	1
		150	3	0

G50	4" x 4" (101 x 101mm)	4 1/2" x 4" (114 x 101mm)	4 1/2" x 4 1/2" (114 x 114mm)
Gauge of metal	0.109" (2.8mm)	0.134" (3.4mm)	0.134" (3.4mm)
Number of holes	8		
Machine screw size		1/2 x 12-24	
Wood screw size	3/4 x 10	1 1/4 x 12	
Pair in a case.	1.02lbs. (0.4kg)	1.04lbs. (0.5kg)	1.10lbs. (0.5kg)
Average weight/pair			

GCB80

FULL MORTISE CONCEALED BEARING HINGE

- Template hinge.
- Concealed bearing for aesthetic design applications.
- 4 1/2" x 4 1/2"
- With or without NRP.



SJ100

GEARED CONTINUOUS HINGE

- Heavy duty concealed geared continuous hinge.
- Provides superior performance you can rely on in high-traffic areas.
- Sizes: 83" and 95".
- Finishes: Clear aluminum and bronze.
- UL fire rated.