

# LOCKWOOD™

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## Hinges Section



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# DESCRIPTION OF FINISHES

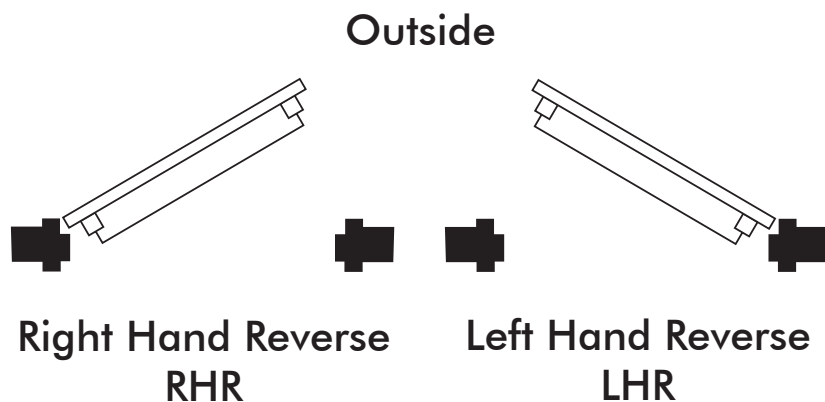


- 3 Bright Brass
- 4 Dull Brass
- 5 Satin Brass  
(Blackened, satin relieved, clear coated)
- 10 Dull Bronze
- 10B Statuary Bronze  
(Oil Rubbed)
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(Duronautic)
- DBPC Dark Brown Powder Coated

**When ordering Exit Devices  
"LHR" or "RHR" must be specified.**

**Available for devices:**

N500, N650, N700(F), N750(F), N1500,  
N1650, N1700(F) & N1750(F)



# GBB79

## STANDARD WEIGHT FULL MORTISE STEEL HINGE

- 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



*Steel with steel pin*

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

# GBB91

## STANDARD WEIGHT FULL MORTISE STAINLESS STEEL HINGE

- 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



*Stainless steel with stainless steel pin*

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

# GBB68

## HEAVY WEIGHT FULL MORTISE STEEL HINGE

- 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



*Steel with steel pin*

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

# GBB99

## HEAVY WEIGHT FULL MORTISE STAINLESS STEEL HINGE

- 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



*Stainless steel with stainless steel pin*

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

# G50

## FULL MORTISE SPRING HINGE SERIES

- 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.

**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.

**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.



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

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

# 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



# **LOCKWOOD™**

Since 1878

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