



## FULL MORTISE SINGLE ACTING SPRING HINGE

### STANDARD WEIGHT

6" x 4 1/2" 6" x 6" 7" x 7"

**C5**



#### SA-81 (ANSI K81071)

**Steel** - Polished and Plated or Bonderized and Prime Coated for Painting.

- Single acting spring hinge is designed for 1-3/4" stock hollow metal or wood doors.
- Grade 2 ANSI/BHMA Requirement A 156.17
- Permits doors to open in single direction and automatically return to the closed position.
- Pivot points do not align with standard full mortise hinges
- See template for exact dimensions
- All hinges are ANSI template

**GENERAL PRODUCT INFORMATION:** PBB, Inc. template hinges are manufactured to close tolerances and meet all specifications and requirements set by the American National Standards Institute (ANSI).

**HINGE SWAGING:** A standard swaging of our standard weight full mortise hinge when closed to parallel position provides a 1/16" clearance between leaves.

#### MATERIAL GAUGE:

.100 ± .005 for 4-1/2", 6", 7"

**Barrel Diameter:** 1.180

6" x 4-1/2", 7" x 7" STANDARD SCREW SIZE
FHMS - 12-24 x 1/2"
FHWS - 12 x 1-1/4"

6" x 6" STANDARD SCREW SIZE
FHMS - 10-24 x 1/2"
FHWS - 10 x 1"

#### OTHER SPECIFICATIONS:

Flange Height:

4.50 for 4-1/2"  
6.00 for 6"  
7.00 for 7"

Width:

4.50 for 4-1/2"  
4.50 for 6"  
4.50 for 7"

SA-81 Series Maximum Door Sizes and Weights						
Series	2 Hinges		3 Hinges		Door Thickness	Door Height
	Door Weight Lbs.	Door Width	Door Weight Lbs.	Door Width		
SA-81 6" x 4.5"	125	3'-0"	155	4'-0"	1 3/4"	7'-0"
SA-81 6" x 6"	125	3'-0"	155	4'-0"	1 3/4"	7'-0"
SA-81 7" x 7"	130	3'-6"	175	4'-0"	2"	7'-0"

#### DA - 81 Series Maximum Door Sizes and Weights

It is advisable to use three hinges on a door. The center hinge should be installed as close as possible to the top hinge for maximum support. Hinge capacity decreases as door height decreases.

Request template from factory for door and frame clearance required.

Non Handed

DO NOT USE ON DOORS WITH HINGE EDGE BEVELED.

NOTE: Wind Conditions, excessive air pressure, use of gasket for smoke or sound protection may prevent door from latching.

#### PACKAGING INFORMATION:

One hinge per plastic bag, 2 hinges and 1 screw pack per unit carton.

8 unit carton or 24 hinges per master shipping carton.

1 screw pack includes all machine screws (30), and 1/2 wood screws (15). ATMS & AWS also available.