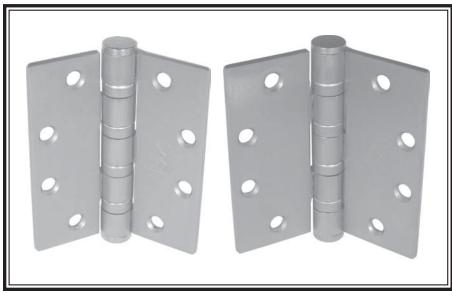


FULL MORTISE TEMPLATE BALL BEARING

HEAVY WEIGHT 4 112" x 4" 4 112" x 4 112"







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

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

4B81 (ANSI A8111)

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

4B21 (ANSI A2111)

Brass-Polished and Plated

(ANSI A5111) Stainless Steel-Polished and Satin Finish

- •For heavy weight doors receiving high frequency service.
- •Ball bearing hinges must be used on doors in conjunction with door closers and on all fire rated openings.
- •For hospital type, add HT to suffix of part number.
- All hinges are ANSI template.

OTHER SPECIFICATIONS:

Height of hinge:

+ .000 4.50 for 4-1/2" x 4" - .015

4.50 + .000 for 4 1/2" x 4-1/2" -.015

Width:

 $4.00 \pm .015$ for 4-1/2" x 4" $4.50 \pm .015$ for 4-1/2" x 4-1/2"

MATERIAL GAUGE:

 $.180 \pm .005$ for 4-1/2" x 4" $.180 \pm .005$ for 4-1/2" x 4-1/2"

Standards Institute (ANSI).

4-1/2" STANDARD SCREW SIZE

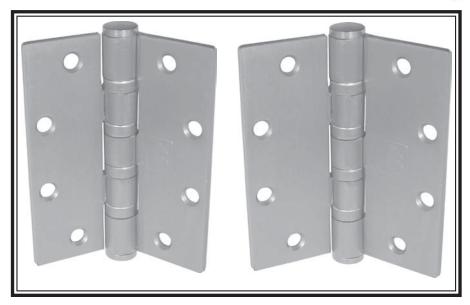
FHMS - 12-24 x 1/2" FHWS - 12 x 1-1/4"



FULL MORTISE TEMPLATE BALL BEARING

HEAVY WEIGHT 5" x 4" 5" x 4 112" 5" x 5"

B20)



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.

4B81

(ANSI A8111)

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

4B21 (ANSI A2111)

Brass-Polished and Plated

(ANSI A5111)

Stainless Steel-Polished and Satin Finish

- •Recommended for over 3'4" width doors and having a thickness of 2" or more.
- •For heavy weight doors receiving high frequency service.
- •Ball bearing hinges must be used on doors in conjunction with door closers and on all fire rated openings.
- •For hospital type, add HT to suffix of part number.
- •All hinges are ANSI template.

OTHER SPECIFICATIONS:

Height of hinge:

+ .000 for 5" x 4" 5.00 -.015

+ .000 5.00 - .015

for 5" x 4-1/2"

5.00 + .000 - .015

for 5" x 5"

Width:

 $4.00 \pm .015$ for 5" x 4" $4.50 \pm .015$ for 5" x 4-1/2"

 $5.00 \pm .015$ for 5" x 5"

MATERIAL GAUGE:

 $.190 \pm .005$ for 5" x 4"

 $.190 \pm .005$ for 5" x 4-1/2"

 $.190 \pm .005$ for 5" x 5"

5" STANDARD SCREW SIZE

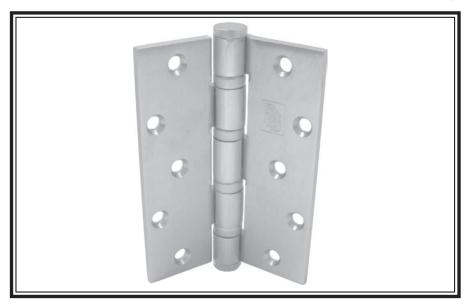
FHMS - 12-24 x 1/2" FHWS - 12 x 1-1/2"

B21



FULL MORTISE TEMPLATE BALL BEARING





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.

4B81 (ANSI A8111)

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

4B21 (ANSI A2111)

Brass-Polished and Plated

(ANSI A5111) Stainless Steel-Polished and Satin Finish

- •Recommended for over 3'4" width doors and having a thickness of 2" or more.
- •For heavy weight doors receiving high frequency service.
- •Ball bearing hinges must be used on doors in conjunction with door closers and on all fire rated openings.
- •For hospital type, add HT to suffix of part number.
- •All hinges are ANSI template.

OTHER SPECIFICATIONS:

Height of hinge: + .000 for 6" x 4-1/2" 6.00 -.015

> + .000 6.00 for 6" x 5" - .015

6.00 + .000 for 6" x 6" - .015

Width:

 $4.50 \pm .015$ for 6" x 4-1/2" $5.00 \pm .015$ for 6" x 5" $6.00 \pm .015$ for 6" x 6"

 $.200 \pm .005$ for 6" x 4-1/2"

 $.200 \pm .005$ for 6" x 5"

MATERIAL GAUGE:

 $.200 \pm .005$ for 6" x 6"

6" STANDARD SCREW SIZE

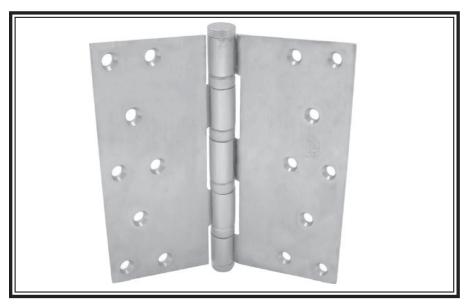
FHMS - 1/4-20 x 1/2" FHWS - 14 x 1-1/2"



FULL MORTISE TEMPLATE BALL BEARING

HEAVY WEIGHT





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.

4B81

(ANSI A8111)

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

4B21 (ANSI A2111)

Brass-Polished and Plated

4B51 (ANSI A5111)

Stainless Steel-Polished and Satin Finish

- •Recommended for over 3'4" width doors and having a thickness of 2" or more.
- •For heavy weight doors receiving high frequency service.
- Ball bearing hinges must be used on doors in conjunction with door closers and on all fire rated openings.
- •For hospital type, add HT to suffix of part number.
- •All hinges are ANSI template.

OTHER SPECIFICATIONS:

Height of hinge:

8.00 + .000 - .015 for 8" x 6"

8.00 + .000 - .015 for 8" x 8"

Width:

 $6.00 \pm .015$ for 8" x 6"

 $8.00 \pm .015$ for 8" x 8"

MATERIAL GAUGE:

.200 ± .005 for 8" x 6" .200 ± .005 for 8" x 8"

8" STANDARD SCREW SIZE

FHMS - 1/4-20 x 1/2" FHWS - 14 x 1-1/2"

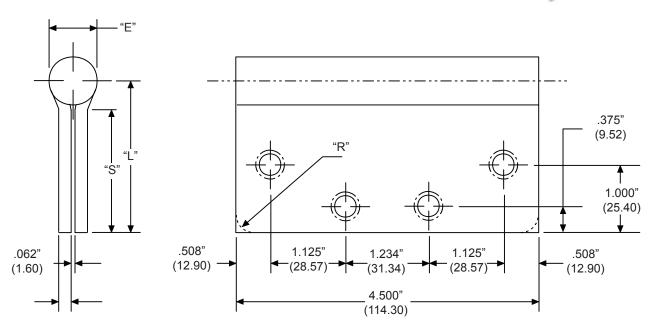


L10



FULL MORTISE HEAVY WEIGHT TEMPLATE

2B - 2P - 4B - 4C - 4F 4-112" x 4", 4-112" x 4-112"



Part Number			Gauge	"E"	"L"	"S"	"R"
Steel	Brass	Stainless	of Metal	Outside Dia.	Leaf Width	Swage Line	Corner Radius
2B81/2P81	-	2B51/2P51	.134"	.600"	2.00"	1.63"	Square
2B81/2P81	-	2B51/2P51	.134"	.600"	2.25"	1.88"	Square
4B81*/4C81	4B21/4C21	4B51/4C51	.180"	.720"	2.00"	1.57"	Square, 1/4", 5/8"
4B81*/4C81	4B21/4C21	4B51/4C51	.180"	.720"	2.25"	1.82"	Square, 1/4", 5/8"

^{*}Also available as welding butts with identical dimensions and the exclusion of screw holes.

NOTE:

•1 screw pack includes all machine screws (24), and 1/2 wood screws (12). ATMS & AWS also available.

•Screw size: FHMS - 12-24 x 1/2"

FHWS - 12 x 1-1/4"

All hinges are ANSI template.

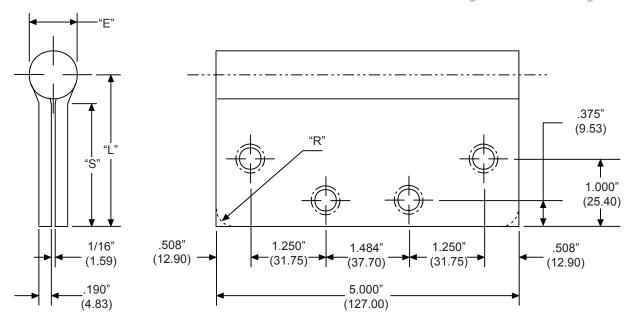
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PBB reserves the right to make changes without notice.



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FULL MORTISE HEAVY WEIGHT TEMPLATE

4B - 4C - 4F 5" x 4", 5" x 4-1|2", 5" x 5"



Part Number			Gauge	"E"	"L"	"S"	"R"
Steel	Brass	Stainless	of Metal	Outside Dia.	Leaf Width	Swage Line	Corner Radius
4B81*/4C81	4B21/4C21	4B51/4C51	.190"	.740"	2.00"	1.56"	Square, 1/4", 5/8"
4B81*/4C81	4B21/4C21	4B51/4C51	.190"	.740"	2.25"	1.81"	Square, 1/4", 5/8"
4B81*/4C81	4B21/4C21	4B51/4C51	.190"	.740"	2.50"	2.06"	Square, 1/4", 5/8"

^{*}Also available as welding butts with identical dimensions and the exclusion of screw holes.

NOTE:

1 screw pack includes all machine screws (24), and 1/2 wood screws (12). ATMS & AWS also available.
 Screw size: FHMS - 12-24 x 1/2"

FHWS - 12 x 1-1/2"

•All hinges are ANSI template.

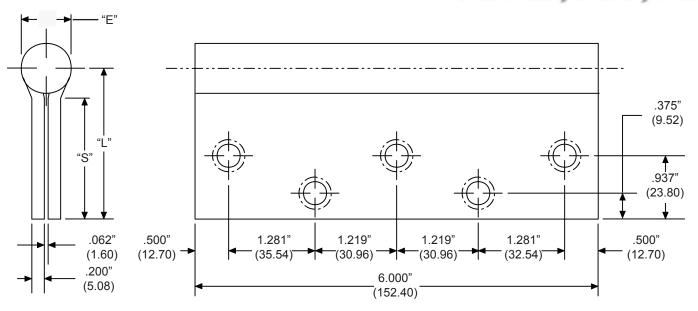
Template: 4B60

L12



FULL MORTISE HEAVY WEIGHT TEMPLATE

4B - 4C - 4F 6" x 4-112", 6" x 5", 6" x 6"



Part Number			Gauge	"E"	"L"	"S"	"R"
Steel	Brass	Stainless	of Metal	Outside Dia.	Leaf Width	Swage Line	Corner Radius
4B81/4C81	4B21/4C21	4B51/4C51	.200" *	.740"	2.25"	1.80"	Square, 1/4", 5/8"
4B81/4C81	4B21/4C21	4B51/4C51	.200" *	.740"	2.50"	2.05"	Square, 1/4", 5/8"
4B81/4C81	4B21/4C21	4B51/4C51	.200" *	.740"	3.00"	2.55"	Square, 1/4", 5/8"

NOTE:

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

•Screw size: FHMS - 1/4-20 x 1/2"

FHWS - 14 x 1-1/2"

•*Stainless steel hinges have .190" (4.83) material thickness.

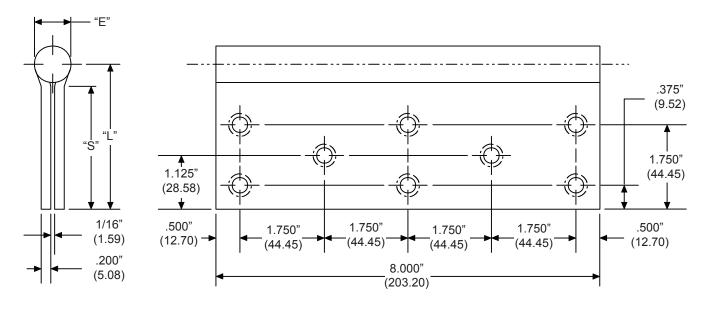
•All hinges are ANSI template.



L13

FULL MORTISE HEAVY WEIGHT TEMPLATE

4B-4F 8" x 6", 3" x 3"



Part Number			Gauge	"E"	"L"	"S"	"R"
Steel	Brass	Stainless	of Metal	Outside Dia.	Leaf Width	Swage Line	Corner Radius
4B81/4F81	4B21/4F21	4B51/4F51	.200" *	.766"	3.00"	2.46"	Square, 1/4", 5/8"
4B81/4F81	4B21/4F21	4B51/4F51	.200" *	.766"	4.00"	3.46"	Square, 1/4", 5/8"

NOTE:

•1 screw pack includes all machine screws (48), and 1/2 wood screws (24). ATMS & AWS also available. •Screw size: FHMS - 1/4-20 x 1/2"

FHWS - 14 x 1-1/2"

•*Stainless steel hinges have .190" (4.83) material thickness.

•All hinges are ANSI template.