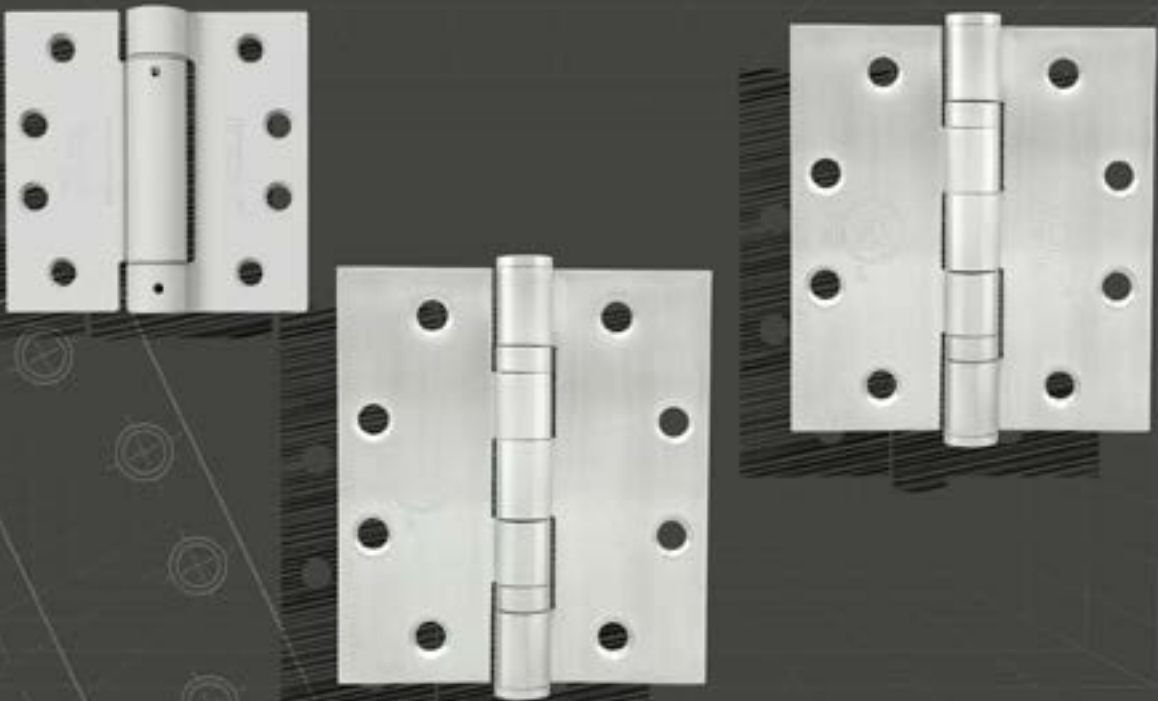


ANSI/BHMA GRADE 1 Hinges



CONTENTS



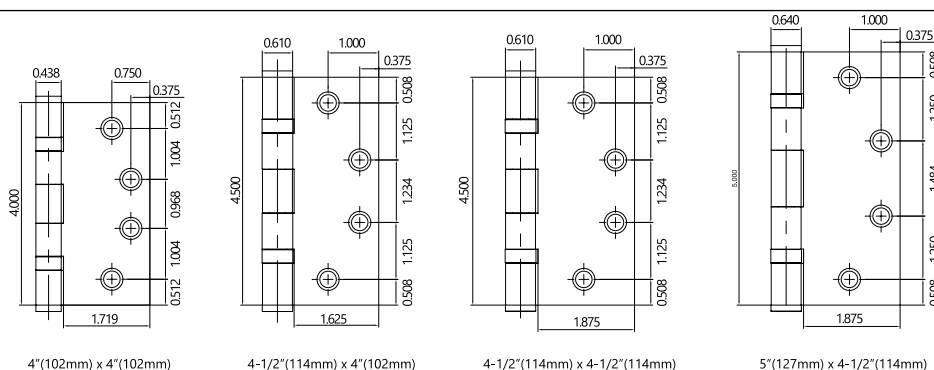
- Page 01** Standard Weight, Two Anti-friction Ball Bearing HG5112
- Page 02** Standard Weight, Two Anti-friction Ball Bearing HG8112
- Page 03** Standard Weight 3 Knuckle Concealed Bearing Hinges HG8112CB
- Page 04** Power Transfer Hinges HG8112-ETH
- Page 05** Heavy Weight, Four Anti-friction Ball Bearing HG8111/HG5111
- Page 06** Heavy Weight 3 Knuckle Concealed Bearing Hinge HG8111CB/HG5111CB
- Page 07** 1/4" Radius Corner Standard Weight Ball Bearing Hinge HG8112R14
- Page 08** Spring Hinge HG8107SP/HG5107SP
- Page 09** 1/4" Radius Corner Spring Hinges HG8107SPR14/HG5107SPR14
- Page 10** Plain Bearing Hinges HG8133/HG5133
- Page 11** Square and 1/4", 5/8" Radius Corner Residential Hinges HG5184
- Page 12** Cross References

Disclaimer: All information in this catalog has been deemed accurate as of the date of printing. We are continuously improving and expanding our line in an effort to offer our clients the finest quality products and services; therefore, Unison Hardware, Inc., reserves the right to alter this information or correct printing errors at any time.

©2022 Unison Hardware, Inc. All Rights Reserved. June 2022

FULL MORTISE HINGES HG5112

Standard Weight, Two Anti-Friction Bearing



SPECIFICATIONS

INOX HG5112 are 5 knuckle, two ball bearing hinges with non-rising pin (NRP) and 1/4" radius corner (R) options. Hinges will allow for maximum degree of swing.

Doors less than 60 inches high require at least 2 hinges
 Doors 60 to 90 inches high - at least 3 hinges
 Doors over 90 inches high - at least 4 hinges

CODE COMPLIANCE



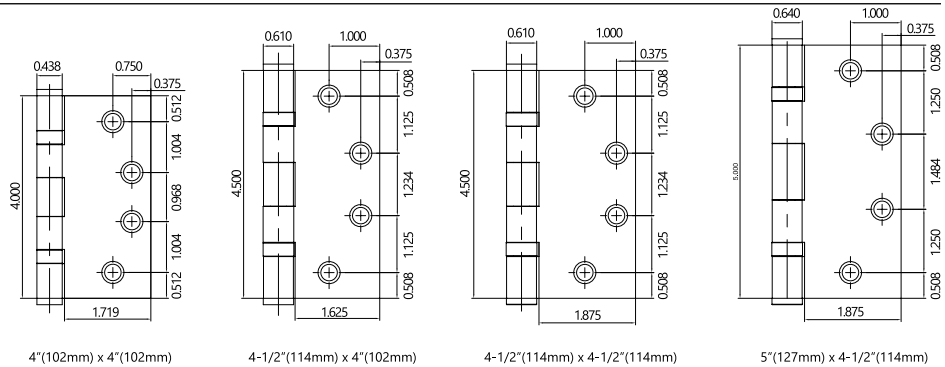
ANSI/BHMA A156.1 Type A8112, A5112 and A2112
 ANSI/UL10B and UL10C Fire Rated up to 3 Hours
 Meets USA Federal Spec. #FF-H-116C
 C-UBC California Uniform Builders Code - 2001
 NFPA-80 National Fire Protection - 1999
 NFPA-101 National Fire Protection - Life Safety - 2000

Material	Hinge Size Inches	Part Number	Thickness Inches (mm)	Standard Finish
Stainless Steel	4" x 4"	HG5112-43	0.130" (3.3mm)	32 Bright Stainless Steel 32D Satin Stainless Steel
	4" x 4"	HG5112NRP-43	0.130" (3.3mm)	32D Satin Stainless Steel
	4" x 4"	HG5112R14NRP-43	0.130" (3.3mm)	32 Bright Stainless Steel 32D Satin Stainless Steel
	4" x 4"	HG5112R58NRP-43	0.130" (3.3mm)	32 Bright Stainless Steel 32D Satin Stainless Steel
	4-1/2" x 4"	HG5112-44	0.134 (3.4mm)	32D Satin Stainless Steel
	4-1/2" x 4-1/2"	HG5112-45	0.134 (3.4mm)	32D Satin Stainless Steel
	4-1/2" x 4-1/2"	HG5112NRP-45	0.134 (3.4mm)	32D Satin Stainless Steel

For additional finish options not listed, contact Sales Department for MOQ and lead times

FULL MORTISE HINGES HG8112

Standard Weight, Two Anti-Friction Bearing



SPECIFICATIONS

INOX HG8112 are 5 knuckle, two ball bearing hinges with non-rising pin (NRP) and 1/4" radius corner (R) options. Hinges will allow for maximum degree of swing.

- Doors less than 60 inches high require at least 2 hinges
- Doors 60 to 90 inches high - at least 3 hinges
- Doors over 90 inches high - at least 4 hinges

CODE COMPLIANCE



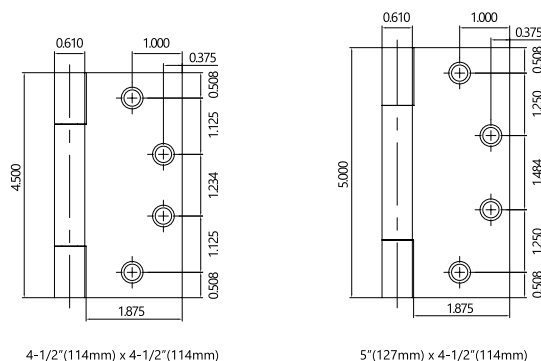
- ANSI/BHMA A156.1 Type A8112, A5112 and A2112
- ANSI/UL10B and UL10C Fire Rated up to 3 Hours
- Meets USA Federal Spec. #FF-H-116C
- C-UBC California Uniform Builders Code - 2001
- NFPA-80 National Fire Protection - 1999
- NFPA-101 National Fire Protection - Life Safety - 2000

Material	Hinge Size Inches	Part Number	Thickness Inches (mm)	Standard Finish
Steel	4" x 4"	HG8112-43	0.134 (3.4mm)	26D Satin Chrome 19G Graphite Black
	4" x 4"	HG8112R14-43	0.134 (3.4mm)	26D Satin Chrome
	4-1/2" x 4"	HG8112-44	0.134 (3.4mm)	26D Satin Chrome
	4-1/2" x 4"	HG8112NPR-44	0.134 (3.4mm)	26D Satin Chrome
	4-1/2" x 4-1/2"	HG8112-45	0.134 (3.4mm)	26D Satin Chrome 26 Polished Chrome 19G Graphite Black 10B Oil Rubbed Bronze 4 Satin Brass 15 Satin Nickel
	4-1/2" x 4-1/2"	HG8112NPR-45	0.134 (3.4mm)	26D Satin Chrome 19G Graphite Black 10B Oil Rubbed Bronze
	5" x 4-1/2"	HG8112-54	0.146 (3.7mm)	26D Satin Chrome
	5" x 4-1/2"	HG8112NRP-54	0.146 (3.7mm)	26D Satin Chrome

For additional finish options not listed, contact Sales Department for MOQ and lead times

FULL MORTISE HINGES HG8112CB

Standard Weight, 3 Knuckle, Concealed Bearing



4-1/2" (114mm) x 4-1/2" (114mm)

5" (127mm) x 4-1/2" (114mm)

SPECIFICATIONS

INOX HG8112CB hinges are 3 knuckle, plain bearing or two ball bearing hinges with a non-rising pin (NRP) option and will allow for maximum degree of swing.

Hinges are constructed in ANSI A8112 steel-based material and are full mortise with concealed bearing, square corners and a standard weight template.

Doors less than 60 inches high require at least 2 hinges

Doors 60 to 90 inches high - 3 hinges

Doors over 90 inches high - 4 hinges

CODE COMPLIANCE



ANSI/BHMA A156.1 Type A8112

ANSI/UL10B and UL10C Fire Rated up to 3 Hours

Meets USA Federal Spec. #FF-H-116C

C-UBC California Uniform Builders Code - 2001

NFPA80 - National Fire Protection Association - 1999

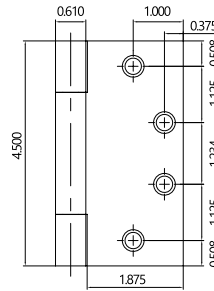
NFPA101 - National Fire Protection-Life Safety - 2000

Material	Hinge Size Inches	Part Number	Thickness Inches (mm)	Standard Finish
Steel	4-1/2" x 4-1/2"	HG8112CB-45	0.134 (3.4mm)	26D Satin Chrome 10B Oil Rubbed Bronze 4 Satin Brass 14 Polished Nickel 15 Satin Nickel
	4-1/2" x 4-1/2"	HG8112CB-NRP-45	0.134 (3.4mm)	26D Satin Chrome 10B Oil Rubbed Bronze
	5" x 4-1/2"	HG8112CB-54	0.146 (3.7mm)	26D Satin Chrome
	5" x 4-1/2"	HG8112CB-NRP-54	0.146 (3.7mm)	26D Satin Chrome 10B Oil Rubbed Bronze

For additional finish options not listed, contact Sales Department for MOQ and lead times

POWER TRANSFER MORTISE HINGES HG8112-ETH

Standard Weight, 3 Knuckle, Concealed Bearing



4-1/2" (114mm) x 4-1/2" (114mm)

SPECIFICATIONS

INOX HG8112-ETH power transfer hinge is an ideal way to transfer low voltage from the hinge jamb to the lockset without exposed wires. The hinge is most commonly used for electrical mortise and cylindrical locks, electric strikes, electric exit devices, and door mounted card readers.

CODE COMPLIANCE



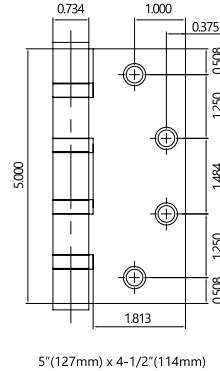
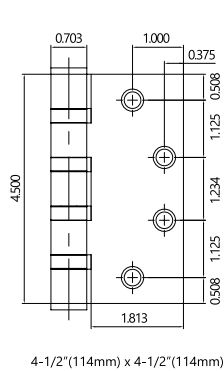
ANSI/BHMA A156.1 Type A8112
 ANSI/UL10B and UL10C Fire Rated up to 3 Hours
 Meets USA Federal Spec. #FF-H-116C
 C-UBC California Uniform Builders Code-2001
 NFPA80 - National Fire Protection Association -1999
 NFPA101 - National Fire Protection-Life Safety - 2000

Material	Hinge Size Inches	Part Number	Thickness Inches (mm)	Standard Finish
Steel	4-1/2" x 4-1/2"	HG8112-45-ETH4W	0.134 (3.4mm)	26D Satin Chrome 19G Graphite Black

For additional finish options not listed, contact Sales Department for MOQ and lead times

FULL MORTISE HINGES HG8111/HG5111

Heavy Weight, Four Anti-Friction Bearing



SPECIFICATIONS

INOX HG5111 and HG8111 are 4 knuckle, two ball bearing hinges with a non-rising pin (NRP) option and will allow for maximum degree of swing.

Doors less than 60 inches high require at least 2 hinges

Doors 60 to 90 inches high - 3 hinges

Doors over 90 inches high - 4 hinges

CODE COMPLIANCE



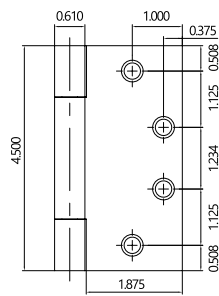
ANSI/BHMA A156.1 Type A8111, A5111
ANSI/UL10B and UL10C Fire Rated up to 3 Hours
Meets USA Federal Spec. #FF-H-116C
C-UBC California Uniform Builders Code - 2001
NFPA-80 National Fire Protection - 1999
NFPA-101 National Fire Protection-Life Safety - 2000

Material	Hinge Size Inches	Part Number	Thickness Inches (mm)	Standard Finish
Stainless Steel	4-1/2" x 4-1/2"	HG5111-47	0.180 (4.6mm)	32D Satin Stainless Steel
	4-1/2" x 4-1/2"	HG5111NRP-47	0.180 (4.6mm)	32D Satin Stainless Steel
	5" x 4-1/2"	HG5111-56	0.190 (4.8mm)	32D Satin Stainless Steel
	5" x 5"	HG5111-57	0.190 (4.8mm)	32D Satin Stainless Steel
Steel	4-1/2" x 4-1/2"	HG8111-47	0.180 (4.6mm)	26D Satin Chrome
	4-1/2" x 4-1/2"	HG8111NRP-47	0.180 (4.6mm)	26D Satin Chrome
	5" x 4-1/2"	HG8111-56	0.190 (4.8mm)	26D Satin Chrome
	5" x 4-1/2"	HG8111NRP-56	0.190 (4.8mm)	26D Satin Chrome
	5" x 5"	HG8111-57	0.190 (4.8mm)	26D Satin Chrome
	5" x 5"	HG8111NRP-57	0.190 (4.8mm)	26D Satin Chrome

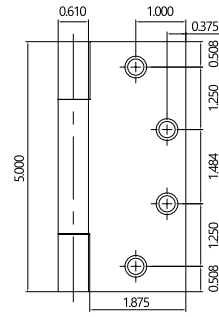
For additional finish options not listed, contact Sales Department for MOQ and lead times

FULL MORTISE HINGES HG8111CB /HG5111CB

Heavy Weight, 3 Knuckle, Concealed Bearing



4-1/2"(114mm) x 4-1/2"(114mm)



5"(127mm) x 4-1/2"(114mm)

SPECIFICATIONS

INOX HG8111CB are 3 knuckle, plain bearing or two concealed ball bearing hinges with a non-rising pin option. Hinges allow for the maximum degree of swing.

Constructed of ANSI A8111 steel-based material., hinges are full mortise, concealed bearing hinges with square corners and a heavy weight template

Doors less than 60 inches high - Provide 2 hinges
 Doors 60 to 90 inches high - Provide 3 hinges
 Doors over 90 inches high - Provide 4 hinges

CODE COMPLIANCE



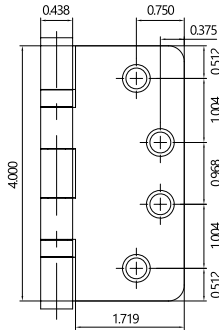
ANSI/BHMA A156.1 Type A8111
 ANSI/UL10B and UL10C Fire Rated up to 3 Hours
 Meets USA Federal Spec. #FF-H-116C
 C-UBC California Uniform Builders Code-2001
 NFPA80 - National Fire Protection Association -1999
 NFPA101 - National Fire Protection-Life Safety - 2000

Material	Hinge Size Inches	Part Number	Thickness Inches (mm)	Standard Finish
Stainless Steel	4-1/2" x 4-1/2"	HG5111CB-47	0.180 (4.6mm)	32D Satin Stainless Steel
	4-1/2" x 4-1/2"	HG5111CB-NRP-47	0.180 (4.6mm)	32D Satin Stainless Steel
	5" x 4-1/2"	HG5111CB-NRP-56	0.190 (4.8mm)	32D Satin Stainless Steel
Steel	4-1/2" x 4-1/2"	HG8111CB-47	0.180 (4.6mm)	26D Satin Chrome 10B Oil Rubbed Bronze
	4-1/2" x 4-1/2"	HG8111CB-NRP-47	0.180 (4.6mm)	26D Satin Chrome 10B Oil Rubbed Bronze
	5" x 4-1/2"	HG8111CB-56	0.190 (4.8mm)	26D Satin Chrome 10B Oil Rubbed Bronze
	5" x 4-1/2"	HG8111CB-NRP-56	0.190 (4.8mm)	26D Satin Chrome 10B Oil Rubbed Bronze

For additional finish options not listed, contact Sales Department for MOQ and lead times

FULL MORTISE HINGES HG8112R14

1/4" Radius Corner, Standard Weight, Ball Bearing



4" (102mm) x 4" (102mm)

SPECIFICATIONS

INOX HG8112R are 5 knuckle hinges with 1/4" radius corners and two ball bearings. They allow for a maximum degree of swing.

Constructed in ANSI A8112 steel-based material; full mortise with a standard weight template.

- Doors less than 60 inches high - Provide 2 hinges
- Doors 60 to 90 inches high - Provide 3 hinges
- Doors over 90 inches high - Provide 4 hinges

FINISH

Material	Hinge Size Inches	Part Number	Thickness Inches (mm)	Standard Finish
Steel	4" x 4"	HG8112R14-43	0.130" (3.3mm)	26D Satin Chrome

For additional finish options not listed, contact Sales Department for MOQ and lead times

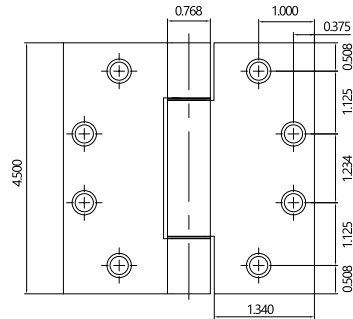
CODE COMPLIANCE



- ANSI/BHMA A156.1 Type A8112-1/4" and A5112-1/4"
- ANSI/UL10B and UL10C Fire Rated up to 3 Hours
- Meets USA Federal Spec. #FF-H-116C
- C-UBC California Uniform Builders Code-2001
- NFPA80 - National Fire Protection Association - 1999
- NFPA101 - National Fire Protection-Life Safety - 2000

SPRING HINGES HG8107SP / HG5107SP

Commercial Weight



4-1/2"(114mm) x 4-1/2"(114mm)

SPECIFICATIONS

INOX HG5107 and HG8107 hinges with adjustable spring tension are provided in either ANSI A81071F steel-based or ANSI K51071F stainless-steel based material and are 3 hour fire rated, full mortise, single acting spring hinges with square corners. They will allow maximum degree of swing.

For Doors under 70 lbs. and not exceeding 3' x 7' x 1-3/4' use 1 each HG8107SP (or HG5107SP) and 2 each HG8112 (or HG5112).

For Doors up to 160 lbs. use 3 each HG8107SP (or HS5107SP).

FINISH

Material	Hinge Size Inches	Part Number	Thickness Inches (mm)	Standard Finish
Stainless Steel	4" x 4"	HG5107SP-43	0.130" (3.3mm)	32D Satin Stainless Steel
	4-1/2" x 4-1/2"	HG5107SP-45	0.130" (3.3mm)	32D Satin Stainless Steel
Steel	4-1/2" x 4-1/2"	HG8107SP-45	0.130" (3.3mm)	26D Satin Chrome
				10B Oil Rubbed Bronze
				19G Graphite Black

For additional finish options not listed, contact Sales Department for MOQ and lead times

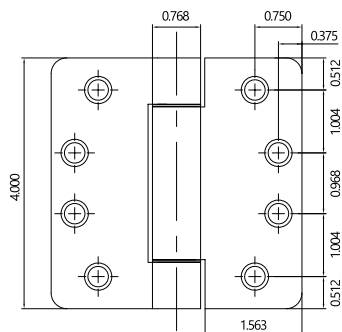
CODE COMPLIANCE



ANSI Type A8107-1F, K81071F, K51071F
 ANSI/UL10B and UL10C Fire Rated up to 3 Hours
 Meets USA Federal Spec. #FF-H-116C
 C-UBC California Uniform Builders Code-2001
 NFPA80 - National Fire Protection Association - 1999
 NFPA101 - National Fire Protection-Life Safety - 2000

SPRING HINGES HG8107SPR14 / HG5107SPR14

Commercial Weight, 1/4" Radius Corner



4" (102mm) x 4" (102mm)

SPECIFICATIONS

INOX HG5107SPR14 and HG8107SPR14 hinges with adjustable spring tension allow for maximum degree of swing.

Provided in ANSI A81072F steel-based and ANSI K51072F stainless steel based material, these 3 hour fire rated hinges are full mortise, single acting spring hinges with 1/4" radius corners.

For Doors under 70 lbs. and not exceeding 3' x 7' x 1-3/4" use 1 each HG8107SPR14 (or HG5107SP) and 2 each HG8112R14 (or HG5112R14).

For Doors up to 160 lbs. use 3 each HG8107SPR14 (or HS5107SPR14)

CODE COMPLIANCE



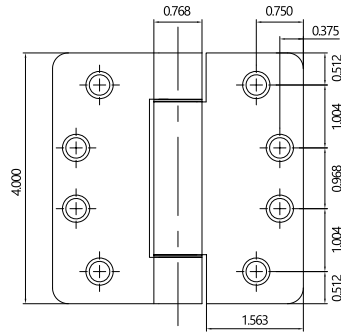
ANSI Type K81072F, K51072F
 ANSI/UL10B and UL10C Fire Rated up to 3 Hours
 Meets USA Federal Spec. #FF-H-116C
 C-UBC California Uniform Builders Code-2001
 NFPA80 - National Fire Protection Association - 1999
 NFPA101 - National Fire Protection-Life Safety - 2000

Material	Hinge Size Inches	Part Number	Thickness Inches (mm)	Standard Finish
Stainless Steel	4" x 4"	HG5107SPR14-43	0.130" (3.3mm)	32D Satin Stainless Steel
Steel	4" x 4"	HG8107SPR14-43	0.130" (3.3mm)	26D Satin Chrome

For additional finish options not listed, contact Sales Department for MOQ and lead times

FULL MORTISE HINGES HG8133 / HG5133

Standard Weight, Plain Bearing



4" (102mm) x 4" (102mm)

SPECIFICATIONS

INOX HG8133 and HG5133 full mortise, standard weight hinges measure 4" x 4" with a 0.013" (3.3mm) gauge and allow for the maximum degree of swing.

- Doors less than 60 inches high require at least 2 hinges
- Doors 60 to 90 inches high - 3 hinges
- Doors over 90 inches high - 4 hinges

CODE COMPLIANCE



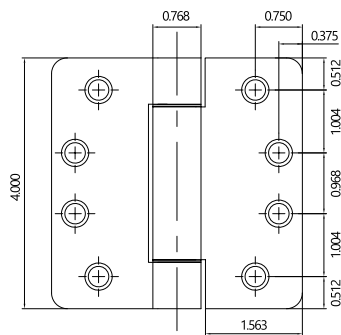
ANSI Type K81072F, K51072F
 ANSI/UL10B and UL10C Fire Rated up to 3 Hours
 Meets USA Federal Spec. #FF-H-116C
 C-UBC California Uniform Builders Code-2001
 NFPA80 - National Fire Protection Association - 1999
 NFPA101 - National Fire Protection-Life Safety - 2000

Material	Hinge Size Inches	Part Number	Thickness Inches (mm)	Standard Finish
Stainless Steel	4" x 4"	HG5133-45	0.130" (3.3mm)	32D Satin Stainless Steel
Steel	4" x 4"	HG8133-45	0.130" (3.3mm)	26D Satin Chrome

For additional finish options not listed, contact Sales Department for MOQ and lead times

RESIDENTIAL HINGES HG5184

Square Corner or 1/4", 5/8" Radius Corner



4" (102mm) x 4" (102mm)

SPECIFICATIONS

INOX HG5184 are full mortise, standard weight stainless steel hinges with a 0.097" (2.5mm) gauge. They allow for maximum degree of swing and can be ordered with optional 1/4" (R14) or 5/8" (R58) radius corners.

- Doors less than 60 inches high require at least 2 hinges
- Doors 60 to 90 inches high - 3 hinges
- Doors over 90 inches high - 4 hinges

Some hinges are limited quality - please inquire.

CODE COMPLIANCE



- ANSI Type K81072F, K51072F
- ANSI/UL10B and UL10C Fire Rated up to 3 Hours
- Meets USA Federal Spec. #FF-H-116C
- C-UBC California Uniform Builders Code-2001
- NFPA80 - National Fire Protection Association - 1999
- NFPA101 - National Fire Protection-Life Safety - 2000

Material	Hinge Size Inches	Part Number	Thickness Inches (mm)	Standard Finish
Stainless Steel	3-1/2" x 3-1/2"	HG5184-32	0.097" (2.5mm)	32 Bright Stainless Steel 32D Satin Stainless Steel
		HG5184R14-32	0.097" (2.5mm)	32 Bright Stainless Steel 32D Satin Stainless Steel
		HG5184R58-32	0.097" (2.5mm)	32 Bright Stainless Steel 32D Satin Stainless Steel
Material	Hinge Size Inches	Part Number	Thickness Inches (mm)	Standard Finish
Stainless Steel	4" x 4"	HG5184-42	0.097" (2.5mm)	32 Bright Stainless Steel 32D Satin Stainless Steel
		HG5184R14-42	0.097" (2.5mm)	32 Bright Stainless Steel 32D Satin Stainless Steel
		HG5184R58-42	0.097" (2.5mm)	32 Bright Stainless Steel 32D Satin Stainless Steel

For additional finish options not listed, contact Sales Department for MOQ and lead times

INOX Commercial Hinges CROSS REFERENCES

ANSI Type	Base Material	INOX®	Hager	Stanley	McKinney	PBB	Cal-Royal	Lawrence
A8133- Plain Bearing Steel	Steel	HG8133	1279	F179	T2714	PB81	TBH-30	B4101
A8112- Ball Bearing	Steel	HG8112	BB1279	FBB179	TB2714	BB81	BB31	BB4181
A2112- Ball Bearing	Brass/Bronze	HG2112	BB1191	FBB191	TB2314	BB21	BB31	BB4101-A
A5112- Ball Bearing	Stainless Steel	HG5112	BB1191	FBB191	TB2314	BB51	BB31	BB4101-32D
A8111- Heavy Wt BB	Steel	HG8111	BB1168	FBB168	T4A3786	4B81	BB5200	BB5151
A5111- Heavy Wt BB	Stainless Steel	HG5111	BB1199	FBB199	T4A3386	4B51	BB5200	BB5151-32D
A8112- 3 Knuckle Concealed	Steel	HG8112CB	AB700	CB1900	TA714	CB81	BB-2200	BB9101
A5112- 3 Knuckle Concealed	Stainless Steel	HG5112CB	AB800	CB1960	-	CB51	BB-2200	-
A8111- 3 Knuckle Heavy Wt BB	Steel	HG8111CB	AB750	CB1901	TA786	4C81	BB-3300	-
A5111- 3 Knuckle Heavy Wt BB	Stainless Steel	HG5111CB	AB850	CB1961	-	4C51	BB-3300	-
A8112- 1/4" Radius BB	Steel	HG8112R14	RCBB1279	-	-	RB81	BB RC-45	-
K81071F- Spring Hinge	Steel	HG8107SP	1250	2060	1502	SP81	SH-140	4168
K81072F- 1/4" Radius Spring Hinge	Steel	HG8107SPR14	1251	2060	1502	SP81	SH-140	4168



Please visit our website
<https://www.inoxproducts.com>
for more technical and new product information.

Unison Hardware, Inc.

6 Wayne Court, Sacramento, CA 95829, USA Tel: +1.916.388.1888
Email: info@unisonhardware.com