

# TABLE OF CONTENTS

FEATURES AND SPECIFICATIONS	2
ANSI/BHMA FULL MORTISE BUTT HINGES	.3-4
SPRING HINGES	4
ELECTRIFIED HINGES.	5
HOW TO ORDER GUIDE	5
QUICK REFERENCE GUIDE	6
RECOMMENDED NUMBER OF HINGES, HINGE LOCATIONS, HINGES WIDTHS	7
HINGE WIDTH FORMULA, TYPICAL DOOR WEIGHTS	8
HINGE SELECTION FOR LABELED FIRE DOORS	)-10
HANDING AND FINISHES	10
CROSS REFERENCE	11







PLAIN BEARING STANDARD WEIGHT

**2 BALL BEARING** STANDARD WEIGHT





**SPRING HINGE STANDARD WEIGHT** 



**POWER TRANSFER** STANDARD OR **HEAVY WEIGHT** 

# **FEATURES**

**NON-REMOVEABLE PIN (NRP):** 

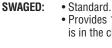
- Included with all 2 and 4 ball bearing, std and heavy weight hinges.
- Groove in pin accepts set screw in center barrel. • Set screw secured using a 3/32" hex (allen) wrench.
- and is not accessible when door is closed. • Full Mortise. Hinge leaves are mortised into the door and frame.

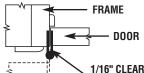
TYPE:

• Provides 1/16" of clearance between both leaves when the hinge is in the closed position.









#### 1/16" CLEARANCE WHEN DOOR IS IN THE CLOSED POSITION.

# SPECIFICATIONS

MATERIALS:

- STEEL Applications: Interior doors, non-corrosive environments.
- STAINLESS STEEL Applications: Exterior, doors, corrosive environments
- PACKAGING: • Qty of Hinges Per Individual Carton: 3ea for Plain, 2 Ball Bearing and 4 Ball Bearing Hinges 2ea for Spring Hinges 1ea for Electrified Hinges
  - Qty of Hinges Per Master Carton: 48ea for Plain, 2 Ball Bearing and 4 Ball Bearing Hinges
  - All hinges packed with Machine Screws (12-24 x 1/2" FHMS) and Wood Screws (12 x 1-1/4" FHWS)
- CERTIFICATIONS, • Conforms with the requirements of NFPA 80-2013, Section 6.4.3.1. LISTINGS, COMPLIANCES:
  - Certified to ANSI/BHMA A156.1-2006:
    - Grade 1, 4 Ball Bearing (HB) 2,500,000 cycles
    - Grade 2, 2 Ball Bearing (BB) 1,500,000 cycles<sup>1</sup>
    - Grade 3, Plain Bearing (PL) 350,000 cycles
    - UL 10C Listed:
    - SH Series Spring Hinges
    - EL Series Electrified Hinges • Five (5) year limited warranty

WARRANTY:

FASTENERS:

<sup>1</sup>Pending



FULL MORTISE HINGES	DESCRIPTION	FINISH ANSI (US)	PDQ HINGE MODEL
	PLAIN E	BEARING	
	5 Knuckle	600 (P)	35 ST PL 4040 600
a Dol	Base Material: Steel with Steel Pin	626 (26D)	35 ST PL 4040 626
0 - 0	Size: 4" x 4"		
0 7 0	Hinge Weight: Standard Frequency of Use: Low		
010	Thickness: .130" ± .005"		
	ANSI 8133		
	5 Knuckle	600 (P)	35 ST PL 4545 600
040	Base Material: Steel with Steel Pin Size: 4-1/2" x 4-1/2"	613 (10B)	35 ST PL 4545 613
0 1 9	Size. 4-1/2 x 4-1/2 Hinge Weight: Standard	626 (26D)	35 ST PL 4545 626
0 1 2	Frequency of Use: Low		
00	Thickness: .130" ± .005" ANSI 8133		
		BEARING	
		626 (26D)	35 ST BB 4540 626 NRP
	5 Knuckle Base Material: Steel with Steel Pin	020 (200)	33 31 BB 4340 020 NN
e H o	Size: 4-1/2" x 4"		
0 0	Hinge Weight: Standard		
offe	Frequency of Use: Medium Thickness: .134" ± .005"		
	ANSI A81121		
	5 Knuckle Base Material: Steel with Steel Pin Size: 4-1/2" x 4-1/2 " Hinge Weight: Standard Frequency of Use: Medium Thickness: .134"" ± .005"	600 (P)	35 ST BB 4545 600 NRP
0 0		605 (3)	35 ST BB 4545 605 NRP
0		613 (10B)	35 ST BB 4545 613 NRP
		626 (26D)	35 ST BB 4545 626 NRP
911-			
	ANSI A81121		
<b></b>	5 Knuckle	630 (32D)	35 SS BB 4540 630 NRP
0 - 0	Base Material: Stainless Steel with Stainless Steel Pin Size: 4-1/2" x 4"		
	Hinge Weight: Standard		
° H O	Frequency of Use: Medium		
	Thickness: .134" ± .005" ANSI A81121		
	5 Knuckle	630 (32D)	35 SS BB 4545 630 NRP
	Base Material: Stainless Steel with Stainless Steel Pin	(022)	
	Size: 4-1/2" x 4-1/2"		
0 0	Hinge Weight: Standard		
· H ·	Frequency of Use: Medium Thickness: .134" ± .005"		
	ANSI A81121		
	4 BALL I	BEARING	
	5 Knuckle	600 (P)	35 ST HB 4545 600 NRP
	Base Material: Steel with Steel Pin	605 (3)	35 ST HB 4545 605 NRP
0 - 0	Size: 4-1/2" x 4-1/2" Hinge Weight: Heavy	613 (10B)	35 ST HB 4545 613 NRP
	Frequency of Use: High	626 (26D)	35 ST HB 4545 626 NRP
	Thickness: .180" ± .005"		
	ANSI 8111		

<sup>1</sup>Pending

FULL MORTISE HINGES	DESCRIPTION	FINISH Ansi (US)	PDQ HINGE MODEL							
	4 BALL BEARING									
	5 Knuckle Base Material: Steel with Steel Pin Size: 5" x 4-1/2" Hinge Weight: Heavy Frequency of Use: High Thickness: .180" ± .005" ANSI 8111	626 (26D)	35 ST HB 5045 626 NRP							
	5 Knuckle Base Material: Stainless Steel with Stainless Steel Pin Size: 4-1/2" x 4-1/2" Hinge Weight: Heavy Frequency of Use: High Thickness: .180" ± .005" ANSI 5111	630 (32D)	35 SS HB 4545 630 NRP							
	5 Knuckle Base Material: Stainless Steel with Stainless Steel Pin Size: 5" x 4-1/2" Hinge Weight: Heavy Frequency of Use: High Thickness: .180" ± .005" ANSI 5111	630 (32D)	35 SS HB 5045 630 NRP							

SPRING HINGES	DESCRIPTION		FINISH ANSI (US)	PDQ HINGE MODEL
		2 BALL	BEARING	
	3 Knuckle		613 (10B)	35 ST SH 4545 613
•	Base Material: Steel		626 (26D)	35 ST SH 4545 626
	Size: 4-1/2" x 4-1/2" Hinge Weight: Standard Frequency of Use: Medium Thickness: .134" ± .005" ANSI K8107-1F			
	3 Knuckle		630 (32D)	35 SS SH 4545 630
	Base Material: Stainless Steel Size: 4-1/2" x 4-1/2" Hinge Weight: Standard Frequency of Use: Medium Thickness: .134" ± .005" ANSI K5107-1F	C UL LISTED		

# **ELECTRIFIED HINGES**

	FEATURES	OPTION Designator	DESCRIPTION
		EL 2	Concealed electric through-wire (2 wires, 22GA)
	UL Fire	EL 4	Concealed electric through-wire (4 wires, 28GA)
F.	Listed for use with electrifed mortise or cylindrical locks, exit devices with electric latch retraction, electric strikes, locks or exit devices with monitoring or request to exit switches <b>Electrical Specifications</b> Concealed electric through-wire: 50 volts AC/DC @ 3.5 amps continous, 16 amps pulse (maximum pulse width: 400msec., 10 sec minimum off time between pulses) Concealed electric monitor: 30 VDC @ .5 amps	EL 10	Concealed electric through-wire (10 wires, 28GA)
		EL 24	Concealed electric through-wire (2 wires @ 22GA, 4 wires @ 28GA)
		ELM 3	Concealed electric monitor (3 wires, 28GA)
		ELM 4	Concealed electric through-wire and monitor (4 through wires and 3 monitor wires, all 28GA)
		ELM 6	Concealed electric through-wire and monitor (6 through wires and 3 monitor wires, all 28GA)
		ELM 8	Concealed electric through-wire and monitor (8 through wires and 3 monitor wires, all 28GA)

# **HOW TO ORDER**

ELECTRIFIED OPTIONS <sup>1</sup>	SERIES		ST	STYLE		ISH
EL 2 – Concealed electric through-wire (2 wire, 22 ga) EL 4 – Concealed electric through-wire (4 wire, 28 ga) EL 10 – Concealed electric through-wire (10 wire, 28 ga) EL 24 – Concealed electric through-wire (2 wires @ 22 ga, 4 wires @ 28ga)	35 – FULL MOR	TISE	PL – Plain Brearing BB – 2 Ball Bearing HB – 4 Ball Bearing SH – Spring Hinge		600 (P) — Prime Coated 605 (3) — Bright Brass 613 (10B) — Oil Rub Bronze 626 (26D) — Satin Chrome 630 (32D) — Satin Stainless Steel	
ELM 3 – Concealed electric monitor (3 wire, 28 ga) ELM 4 – Concealed electric through-wire	35	SS	BB	4545	630	NRP
<ul> <li>ELM 4 Concealed cloaded through wires and 3 monitor wires, all 28GA)</li> <li>ELM 6 – Concealed electric through-wire and monitor (6 through wires and 3 monitor wires, all 28GA)<sup>3</sup></li> <li>ELM 8 – Concealed electric through-wire</li> </ul>	ST – Steel SS – Stainless Stee	I	4040 - 4" X 4" 4540 - 4-1/2" X 4" 4545 - 4-1/2" X 4- 5045 - 5" x 4-1/2"	1/2"	NRP – Non Removab	le Pin
and monitor (8 through wires and 3 monitor wires, all 28GA) <sup>3</sup>	MATERIAL		SIZE		SECURITY FEATURE <sup>2</sup>	

Ordering examples: Plain bearing hinge: 35 SS BB 4545 630 NRP 4 Wire Std Weight Hinge: EL 4 35 SS BB 4545 630 NRP

Notes: 1- EL Series only available in 2 and 4 ball bearing. Includes NRP. 2 - NRP only available in 2 and 4 ball bearing. 3 - Not available in 4 ball bearing heavy weight hinges.

# ACCESSORIES

PART	DESCRIPTION
§ 85004	MORTAR GUARD FOR ELECTRIFIED HINGES

# QUICK REFERENCE GUIDE

PDQ HINGE MODEL*	FINISH Ansi (US)	ANSI NUMBER*	STYLE	BASE MATERIAL	SIZE	FREQUENCY	WEIGHT	THICKNESS	SWAGING														
			FULL	MORTISE HINGES																			
35 ST PL 4040 600	600 (P)				4" x 4"																		
35 ST PL 4040 626	626 (26D)				4 X 4																		
35 ST PL 4545 600	600 (P)	A8133	PLAIN			LOW		.130"±.005"															
35 ST PL 4545 613	613 (10B)																						
35 ST PL 4545 626	626 (26D)			OTEL																			
35 ST BB 4545 600 NRP	600 (P)			STEEL	4-1/2" x 4-1/2"																		
35 ST BB 4545 605 NRP	605 (3)						STANDARD																
35 ST BB 4545 613 NRP	613 (10B)	A8112 w/NRP																					
35 ST BB 4545 626 NRP			2 BALL BEARING			MEDIUM		.134°±.005"															
35 ST BB 4540 626 NRP	626 (26D)								2 LEAVES														
35 SS BB 4540 630 NRP				STAINLESS STEEL	4-1/2 x 4"																		
35 SS BB 4545 630 NRP	630 (32D)	A5112 w/NRP																					
35 ST HB 4545 600 NRP	600 (P)	A8111 w/NRP																					
35 ST HB 4545 605 NRP	605 (3)		4 BALL BEARING	4 BALL BEARING	4 BALL BEARING	4 BALL BEARING	4 BALL BEARING									4-1/2" x 4-1/2"							
35 ST HB 4545 613 NRP	613 (10B)								STEEL														
35 ST HB 4545 626 NRP	000 (000)	A8111 w/NRP							4 BALL BEARING	4 BALL BEARING			HIGH	HEAVY	.180" ±.005"								
36 ST HB 5045 626 NRP	626 (26D)									5" x 4-1/2"													
35 SS HB 4545 630 NRP	C20 (20D)	A5111/NDD		STAINLESS STEEL	4-1/2" x 4-1/2"																		
35 SS HB 5045 630 NRP	630 (32D)	A5111 w/NRP		STAINLESS STEEL	5" x 4-1/2"																		
				SPRING HINGES																			
35 ST SH 4545 613	613 (10B)	K8107-1F		STEEL																			
35 ST SH 4545 626	626 (26D)		2 BALL BEARING	STELL	4-1/2" x 4-1/2"	MEDIUM	STANDARD	.134+005	2 LEAVES														
35 SS SH 4545 630	630(32D)	K5107-1F		STAINLESS STEEL																			
			EL	ECTRIFIED HINGES																			
See Full Mortise Hinge Table	above, 2 and 4	Ball Bearing Serie	95.																				

# **RECOMMENDED NUMBER OF HINGES**

On doors up to 5' (1.52m) use two hinges and an additional hinge for each additional 2.5' (.76m) or fraction thereof.

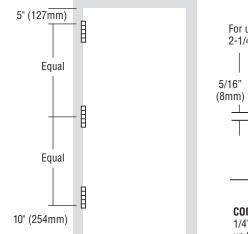
See table below:

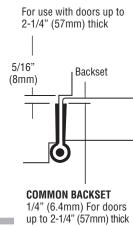
DOOR HEIG	iht (UP TO)	RECOMMENDED # OF HINGES
FT	М	
5	1.52	2
7-1/2	2.29	3
10	3.05	4
12-1/2	3.81	5
15	4.57	6

#### **HINGE LOCATIONS ON DOOR**

- Top hinge 5" (127mm) from frame rabbet to top of hinge barrel.
- Bottom hinge 10" (254mm) from bottom edge of hinge barrel to finished floor.
- Center third hinge between top and bottom hinges.

NOTE: This information is for reference only. Actual placement may vary according to code requirements and guidelines provided by the door manufacturer..



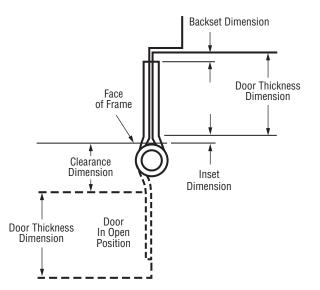


DOOR TH	ICKNESS	CLEARANCE		WIDTH OF HINGE I	N OPEN POSITION
INCHES	ММ	INCHES	ММ	INCHES	ММ
1-3/8"	34.9	1-1/4" 1-3/4"	31.8 44.5	3-1/2" 4"	88.9 101.6
1-3/4"	44.5	1" 1-1/2" 2" 3"	25.4 38.1 50.8 76.2	4" 4-1/2" 5" 6"	101.6 104.3 127 152.4
2"	50.8	1" 1-1/2" 2-1/2"	25.4 38.1 63.5	4-1/2" 5" 6"	114.3 127 152.4
2-1/4"	57.15	1" 2"	25.4 50.8	5" 6"	127 152.4
2-1/2"	63.5	3/4" 1-3/4"	19 44	5" 6"	127 152.4
3"	76.2	3/4" 2-3/4" 4-3/4"	19 69.9 120.7	6" 8" 10"	152.4 203.2 254

### **HINGE WIDTH FORMULA**

#### Calculation to determine hinge width requirements for extra clearance

Take thickness of door - (subtract) backset x (multiply) 2 + (plus) inset (if applicable) = (equals) hinge width. If the resulting value does not match a standard hinge width, use the next larger hinge (width).



# **TYPICAL DOOR WEIGHTS**

	DOOR THICKNESS							
DOOR	INCHES	MM	INCHES	MM	INCHES	MM		
MATERIAL	1-3/8"	34.9	1-3/4"	44.5	2"	50.8		
	lbs/ft <sup>2</sup>	kg/m²	lbs/ft <sup>2</sup>	kg/m²	lbs/ft <sup>2</sup>	kg/m²		
Ash	4	19.5	5	24.4	6	29.3		
Birch	4.25	20.8	5.5	26.9	6.25	30.5		
Fir	3	14.6	3.5	17.1	4	19.5		
Mahogany	3.5	17.1	4.5	22	5.25	25.6		
Oak	5	24.4	7	34.2	8	39.1		
White Pine	3	14.6	3.5	17.1	4	19.5		
Hollow Core	2	9.8	2.5	12.2	—	—		
Particle Core	4	19.5	5	24.4	—	—		
Solid Core	3.5	17.1	4.5	22	5.25	25.6		
Kalamein	—	—	5	24.4	—	—		
Mineral Core	3.5	17.1	4	19.5	—	—		
Lead Lined Wood w/ 1/16" thick lead	—	—	8.7	42.5	—	—		
Lead Lined Wood w/ 1/8" thick lead	—	—	12.4	60.5	—	—		
Lead Lined Wood w/ 3/16" thick lead	—	_	16.1	78.6	_			
Lead Lined Wood w/ 1/4" thick lead		—	19.8	96.7	_			
Lead Lined Wood w/ 3/8" thick lead			27.2	132.8	_			
Lead Lined Wood w/ 1/2" thick lead		_	34.6	168.9	_			
Hollow Metal 18 gauge	4.3	21	4.6	22.5	_			
Hollow Metal 16 gauge	5.4	26.4	5.8	28.3	_			
Hollow Metal 15 gauge	6.2	30.3	6.5	31.7	_			
Hollow Metal 14 gauge	7	34.2	7.3	35.6	_	_		
Hollow Metal 13 gauge	8.3	40.5	8.7	42.5	_			
Hollow Metal 12 gauge	9.9	48.3	10.2	49.8				
Hollow Metal 11 gauge	11.2	54.7	11.6	56.6	_			
Hollow Metal 10 gauge	12.8	62.5	13	63.5	_	_		

The above chart indicates approximate weights for common door types. These estimations do not include the additional weight of any door hardware.

## HINGE SELECTION FOR LABELED FIRE DOORS

Reproduced with Permission from NFPA 80-2010, Fire Doors and Other Opening Protectives, Copyright © 2009, National Fire Protection Association. This reprinted material is not the complete and official position of NFPA on the referenced subject, which is represented only by the standard in its entirety.

6.4.3\* Builders Hardware.

- 6.4.3.1 Hinges. Hinges shall be as specified in individual door manufacturer's published listings or Table 6.4.3.1.
- 6.4.3.1.1 Doors up to 60 in. (1.52 m) in height shall be provided with two hinges and an additional hinge for each additional 30 in. (076 m) of door height or fraction thereof.

#### Table 6.4.3.1 Builders Hardware Mortise, Surface, and Full Length Hinges, Pivots, or Spring Hinges for Swinging Doors

DOOR RATING (HR)			MINIMUM WIDTH	HINGE SIZE THICKNESS	HINGE TYPE
		FOR 1-3/4 IN. (	44.5-MM) OR THICKE	R DOORS	
3 or Less	4 ft. (1.22m)	10 ft. (3.05m)	4.5 in. (114.3mm)	0.180 in. (4.57mm)	Steel, mortise or surface
3 or Less	4 ft. (1.22m)	8 ft. (2.44m)	4.5 in. (114.3mm)	0.134 in. (3.40mm)	Steel, mortise or surface
1-1/2 or Less	3-1⁄6 ft. (0.96m)	8 ft. (2.44m)	6 in. (152.4mm)	0.225 in. (5.72mm)	Steel, olive knuckle or paumelle
3 or Less	4 ft. (1.22m)	10 ft. (3.05m)	4 in. (101.6mm)	0.225 in. (5.72mm)	Steel pivots (including top, bottom, and intermediate)
1-1/2 or Less	3 ft. (0.91m)	5 ft. (1.52m)	4 in. (101.6mm)	0.130 in. (3.30mm)	Steel, mortise or surface
1-1/2 or Less	2 ft. (0.61m)	3 ft. (0.91m)	3 in. (76.2mm)	0.092 in. (2.34mm)	Steel, mortise or surface
3 or Less	3 ft. (0.91m)	7 ft. (2.13m)	4.5 in. (114.3mm)	0.134 in. (3.40mm)	Steel mortise or surface (labeled, self closing, spring type)
3 or Less	3 ft. (0.91m)	7 ft. (2.13m)	4 in. (101.6mm)	0.106 in. (2.67mm)	Steel mortise or surface (labeled, self closing, spring type)
3 or Less	3 ft. (0.91m)	7 ft. (2.13m)	3.5 in. (88.9mm)	0.123 in. (3.12mm)	Steel, mortise or surface
3 or Less	2-2⁄3 ft. (0.81m)	7 ft. (2.13m)	3.5 in. (88.9mm)	0.105 in. (2.67mm)	Steel mortise or surface (labeled, self closing, spring type)

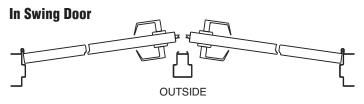
- 6.4.3.1.1.1 The distance between hinges shall be permitted to exceed 30 in (0.76 m).
- 6.4.3.1.1.2 Where spring hinges are used, at least two shall be provided.
- 6.4.3.1.2 All hinges or pivots, except spring hinges, shall be of the ball bearing type.
- 6.4.3.1.2.1 Hinges or pivots employing other anti-friction bearing surfaces shall be permitted if they meet the requirements of ANSI/BHMA A156.1, Standard for Butts and Hinges.
- 6.4.3.1.2.2 Spring hinges shall be labeled and shall meet the requirements of ANSI/BHMA A156.17, Standard for Self Closing Hinges & Pivots, Grade 1.
- 6.4.3.1.3 Hinges 4 1/2 in. (114 mm) high and 0.180 in. (4.57 mm) thick shall be permitted for use on wide and heavy doors or doors that are subjected to heavy use or unusual stress.

## HINGE SELECTION FOR LABELED FIRE DOORS (CONT.)

6.4.3.1.4 Fire doors with hinges of lighter weight that are not of the ball bearing type shall be permitted under the following conditions:

- 1. They are part of a listed assembly.
- 2. They meet the test requirements of ANSI/BHMA A156.1, Standard for Butts and Hinges.
- 3. They have been tested to a minimum of 350,000 cycles.
- 6.4.3.1.5 Pivot sets made up of components that are smaller or of a lighter gauge than shown in Table 6.4.3.1 shall be permitted to be used, provided they meet the requirements of ANSI/BHMA A156.4, Standard for Door Controls (Closers), and are in accordance with the manufacturer's label service procedures.
- 6.4.3.2 Attaching Hinges to Doors.
- 6.4.3.2.1 Hinges shall be secured in accordance with the listing and the manufacturer's installation instructions.
- 6.4.3.2.2 Mortise hinges shall be secured to reinforcements in the doors with steel machine screws.
- 6.4.3.2.3 Mortise hinges shall be secured to wood and plastic-covered composite doors or wood core doors with No. 12 x 1 1/4 in. (31.75 mm) flat, threaded-to-the-head, steel wood screws. Pilot holes shall be drilled that are 5/32 in. (4 mm) in diameter.
- 6.4.3.2.4 Surface hinges shall be attached with steel through-bolts.
- 6.4.3.3 Attaching Hinges to Frames. Hinges shall be secured to frames with steel screws.
- 6.4.3.3.1 Types of screws shall be permitted to vary depending on material use for the manufacture of labeled door frames.
- 6.4.3.3.2 The manufacturer's instructions and published listings for labeled door frames shall be referenced for specific screw requirements.
- 6.4.3.3.4 Shimming. When required to meet the clearances stated in 6.3.1.7, the shimming of hinges using steel shims shall be permitted.

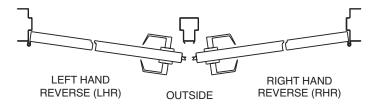
#### HANDING



LEFT HAND (LH)

**RIGHT HAND (RH)** 

#### **Out Swing Door**



#### **FINISHES**

# **ARCHITECTURAL**





605 (US3) Bright Brass, Clear Coated

613 (US10B) Oil Rubbed Bronze, Oxidized Satin Bronze. Oil Rubbed. No Coating



No Coating



#### PAINTED

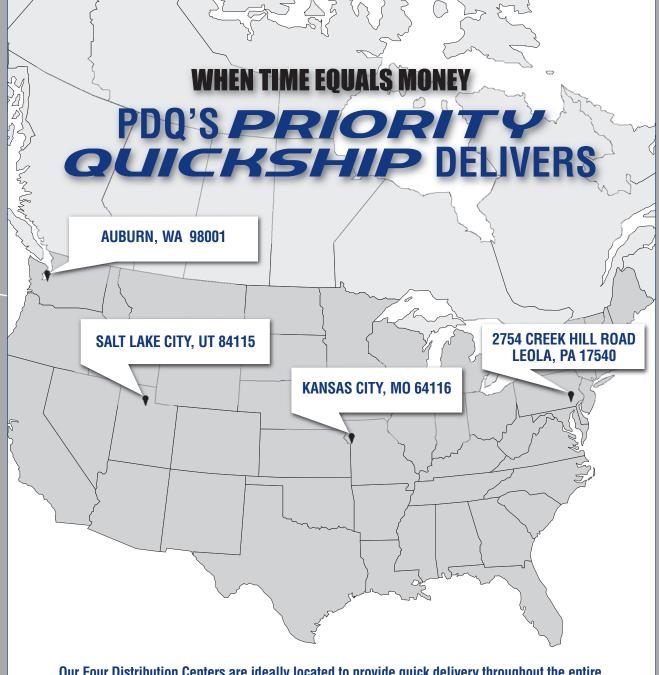


# **CROSS REFERENCE**

HINGE DESCRIPTION	PDQ	ANSI	BOMMER	HAGER	MCKINNEY	PBB	STANLEY
Plain Bearing, Standard Weight – Steel	35STPL	A8133	5000	1279	T2714	PB81	F179
				EC1100	MP79		
2 Ball Bearing, Standard Weight – Steel	35STBB	A8112	BB5000	BB1279	TA2714	BB81	FBB179
				ECBB1100	MPB79		
2 Ball Bearing, Standard Weight – Stainless Steel	35SSBB	S5112	BB5002	BB1191	TA2314	BB51	FBB191
				(630/32D)	(630/32D)		
4 Ball Bearing, Heavy Weight – Steel	35STHB	A8111	BB5004	BB1168	T4A3786	4B81	FBB168
				ECBB1102	MPB68		
4 Ball Bearing, Heavy Weight – Stainless Steel	35SSHB	A5111	BB5006	BB1199	T4A3386	4B51	FBB199
				ECBB1103	MPB68		
Spring Hinge, Self Closing – Steel	35STSH	K8107-1F	LB4310C	1250	1502	SP81	2060R
				EC1105	MPS60		

# NOTES:





Our Four Distribution Centers are ideally located to provide quick delivery throughout the entire United States. Priority Quickship items will ship same day or next day after the order is received. Contact your sales representative or PDQ Customer Service for more information.



Headquarters: 2754 Creek Hill Road • Leola, PA 17540 • 800.441.9692 • 717.656.6892 Fax Regional Distribution Centers: Kansas City, MO, Salt Lake City, UT, Seattle, WA www.pdqlocks.com

PDQ's Hinge Brochure is printed on Forest Stewardship Council<sup>™</sup> certified paper. FSC<sup>®</sup> Certification ensures that the paper used in this catalog contains fiber from well-managed and responsibly harvested forests that meet strict environmental and socioeconomic standards. We're proud to be one of the first hardware manufacturers in the country to make this significant move to help our environment. The FSC logo on our brochure signals not only FSC Certification, but also PDQ's commitment to improving the environment.



#### ©2015 PDQ Industries LT9001 7-2015

#### **Printed in the United States of America**