



A Selection of McKinney Hinges including:

- Standard
- Decorative
- Custom & Specialty
- Continuous
- Electrified





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McKinney Condensed Catalog









McKinney Products Company designs and manufactures high quality architectural hinges for commercial use. With roots in Cincinnati OH, McKinney moved to and manufactured in the heart of the Pennsylvania steel industry for many years.

McKinney became an ASSA ABLOY Group brand in 1996. With the resources of ASSA ABLOY, McKinney greatly expanded its research and development, and manufacturing capabilities. These expanded capabilities have had the greatest impact on improving custom hinge manufacturing.

A variety of materials and hinge types can be custom manufactured in our Berlin, CT plant, including the ElectroLynx® hinges and Power over Ethernet (PoE) hinges. For more information on custom manufactured hinges, call McKinney at 1-800-346-7707.

Innovation

To support today's need for electronic security applications, McKinney has developed a variety of electric hinges used in remote door monitoring and access control systems, and received a patent on the Power over Ethernet (PoE) hinge. In addition McKinney has teamed up with other ASSA ABLOY Group brands to offer StormPro tornado resistant solutions.

Decorative Hinges

McKinney offers decorative architectural hinges with special tips and finishes. Designed to suite with hardware from ASSA ABLOY Group brands, these commercial decorative hinges open up a whole new world of design options for your door openings.

LEED Certification

McKinney can help to achieve prerequisites and accumulate points in several categories and credit areas of LEED. For further information, please call 1-800-346-7707 or refer to our website www.McKinneyhinge.com.

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Sales & Support

McKinney is represented by the ASSA ABLOY Door Security Solutions team.

Phone: 1-800-DSS-EZ4U (800-377-3948)

Address: 110 Sargent Drive, New Haven, CT 06511

Web site: www.assaabloydss.com

Email: Contact your local ASSA ABLOY Door Security Solution

Representative via e-mail by going to www.assaabloydss.com

and clicking on "Sales Support".

Customer Service Representatives are available during regular business hours at 1-800-346-7707 or email customerservice@McKinneyhinge.com. The website is available 24/7 with the current catalogs, sell sheets and the most up-to-date templates.

McKinney has improved lead times through partnerships with other ASSA ABLOY facilities. A number of popular items are stocked and ready to ship from warehouses in Ventura CA, Pomona CA, Mason City IA, Memphis TN and Berlin CT. In addition, over 400 stock items are included in a 3-day QuickShip Program from the Berlin, CT plant.

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Visit www.McKinneyhinge.com

Technical References

Recommended Size of Hinges Per Door, Either Wood or Metal

Door		Hinge	
Thickness In. (mm)	Width In. (mm)	Height In. (mm)	Gauge
1¾" (35)	up to 36" (914)	3½" (89)	.123
1¾" (35)	over 36" (914)	4" (102)	.130
1¾" (44)	up to 36" (914)	41/2" (114)	.134
1¾" (44)	36" - 48" (914 - 1219)	5" (127)	.146
1¾" (44)	over 48" (1219)	6" (152)	.160
2" 2½" (51-64)	up to 42" (1067)	5" (127)	.190
2" 2½" (51-64)	over 42" (1067)	6" (152) HW	.203

Expected Frequency of Door Operation

Door	Expected Daily Cycles	Frequency Yearly	,
Commercial			
Commercial Store Entrance	5,000	1,500,000	
Office Building Entrance	4,000	1,200,000	
Theatre Entrance	1,000	450,000	_
School Entrance	1,250	225,000	High High
School Restroom Door	1,250	225,000	<u></u>
Store or Bank Entrance	500	150,000	
Office Building Restroom Door	400	118,000	
School Corridor Door	80	15,000	
Office Building Corridor Door	75	22,000	⋛
Store Restroom Door	60	18,000	Average
Residential			
Entrance	40	15,000	
Restroom Door	25	9,000	
Corridor Door	10	3,600	WO W
Closet Door	6	2,200	

NOTE: McKinney recommends that bearing hinges be used on all above categories other than residential. One Cycle = one complete opening and closing.

Recommended Number of Hinges Per 3'0" Wide Door*, Either Wood or Metal

Door Height In. (mm)	Number of Hinges per Door
Up to 60" (1524)	2
60" to 90" (1524 to 2286)	3
90" to 120" (2286 to 3048)	4

* Consult factory for doors wider than 3'0".

Doors up to 60" in height shall be provided with two hinges and an additional hinge for each additional 30" of door height or fraction thereof. The distance between hinges shall be permitted to exceed 30". Where spring hinges are used, a minimum of two must be provided.

Standards

- Template hinges are made in sizes, gauges, and with screw holes located to conform to ANSI/ BHMA A156.7 and U.S. Government standards CS9-65 and SDI. Templates are available on McKinney's Website at www.McKinneyhinge.com, or upon request
- McKinney finishes meet or exceed ANSI/BHMA A156.1, A156.18 and BHMA 1301 standards for materials and finishes
- McKinney bearing hinges meet or exceed the testing requirements of NFPA-80 Table 6.4.3.1 2010 Builders Hardware
- McKinney spring hinges meet or exceed testing requirements of ANSI/BHMA A156.17 and are UL listed in both the USA and Canada
- McKinney continuous hinges meet or exceed testing requirements of ANSI/BHMA A156.26 and are UL listed in both the USA and Canada
- * Heavy weight hinges should be used on all heavy weight doors or those exposed to high frequency use. Five knuckle heavy weight hinges have four bearings. The following gauges of metal apply:

Heavy weight 4½" (114) high = .180 gauge Heavy weight 5" (127) high = .190 gauge Heavy weight 6" (152) high = .203 gauge

NOTE: Five knuckle 8" (203) high hinges have six bearings.

Door Weights Per Square Foot Based upon 3'0" x 7'0" Door Size

Hollow Metal Door Weights by Gauge

	Lbs. Per Square Foot
20 Gauge	4
18 Gauge	5
16 Gauge	6
14 Gauge	7

Door Weights Per Square Foot Based upon 3'0" x 7'0" Door Size

Wood Door Weights by Door Thickness

	Lbs. Per Squar	e Foot
	1¾" door	1¾" door
Particle/Mineral Core	4.75	5.25
Stave Core Wood	3.75	4.25
Hollow Core Wood	1.3	1.5

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Full Mortise Hinges

MODERNE Two Knuckle Full Mortise



Offers the most security in a standard hinge. The bearing hinges have a stainless steel pin and anti-friction bushing in the door leaf, which provides additional protection against vertical and lateral wear.

- Plain bearing hinges have an anti-friction component inserted between the two barrels
- The slim barrel Moderne two knuckle hinge is available in steel and non-ferrous base
- Standard and heavy weight
- Pins in all bearing hinges are stainless steel
- Pins in plain bearing hinges are steel; stainless steel pins are available
- Decorative tips available
- Standard hinges are packed with all machine by all wood screws
- By design, pins are non-rising, non-removable and tamper protected by a flush, non-removable cap at the end of the barrel. A door can not be removed when in the closed position, thus affording maximum security. Intermediate hinges can be ordered opposite hand and installed upside down, to inhibit removal of the door in an open position
- Available non-removable door (NRD) hinges have a set screw in the barrel of one hinge in the set of 3
- Two knuckle hinges are handed

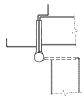
		Plain Bearing Standard Weight Bearing Heavy Weight Bearing			Weight Bearing				
Туре	Size In. (mm)	Gauge	Steel	Gauge	Stainless Steel	Steel	Gauge	Stainless Steel	Steel
2 Knuckle	4" × 4" (102 × 102) 4½" × 4" (114 × 102) 4½" × 4½" (114 × 114) 5" × 4" (127 × 102) 5" × 4½" (127 × 114) 5" × 5" (127 × 127)	.130 .134 .134 .146 .146	T2731 T2731 T2731 T2731 T2731 T2731	.130 .134 .134 .146 .146	TA3331 TA3331 TA3331 TA3331 TA3331 TA3331	TA2731 TA2731 TA2731 TA2731 TA2731 TA2731	- .180 .180 .190 .190	_ TA3350 TA3350 TA3350 TA3350 TA3350	TA3750 TA3750 TA3750 TA3750 TA3750

Three Knuckle Full Mortise



Bearing hinges have concealed vertical and lateral thrust twin anti-friction type bearings at both joints.

- Pins in all non-ferrous bearing hinges are stainless steel
- Pins in all ferrous hinges are steel
- · Pins in all hinges are non-rising type
- Standard hinges are packed with all machine by all wood screws
- Decorative tips available
- Available in 3K-ET style, furnished with button tips (same pin and plug as five knuckle hinge)



		Plain B	earing	Standa	ırd Weight Beari	ng	Heavy V	Heavy Weight Bearing		
Туре	Size In. (mm)	Gauge	Steel	Gauge	Brass/ Stainless Steel	Steel	Gauge	Brass/ Stainless Steel	Steel	
3 Knuckle	3½" × 3½" (89 × 89) 4" × 4" (102 × 102) 4½" × 4" (114 × 102) 4½" × 4½" (114 × 114) 5" × 4" (127 × 102) 5" × 4½" (127 × 114) 5" × 5" (127 × 127) 8" × 6" (203 × 152) 8" × 8" (203 × 203)	.123 .130 .134 .134 .146 .146 .146	T714 T714 T714 T714 T714 T714 T714 -	.123+ .130+ .134 .134 .146+ .146+ .146+	TA314 TA314 TA314 TA314 TA314 TA314 TA314	TA714 TA714 TA714 TA714 TA714 TA714 TA714	- -180+ .180 .190+ .190 .190+ .225*+	- TA386 TA386 TA386 TA386 TA386 TA386	- TA786 TA786 TA786 TA786 TA786 TA786 TA786	
	oor is beveled on hinge cify handing required				TA5314	TA5714		TA5386	TA5786	

⁺Not available in brass

^{*}Not available in stainless steel

Full Mortise Hinges

Five Knuckle Full Mortise

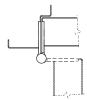


Bearing hinges are furnished with an oil impregnated (TA) bearing on hinges up to 5" high.

- Pins in all non-ferrous bearing hinges are stainless steel
- Pins in all ferrous hinges are steel
- Pins in all hinges are non-rising type
- Standard hinges are packed with all machine by all wood screws
- Concealed bearings (TCA are available in 4½" and 5" only)

Heavy Weight Bearing

• Ball bearings (TB are an available option)



		Plain Be	Plain Bearing Standard Weight Bearing			Heavy Weight Bearing			
Туре	Size In. (mm)	Gauge	Steel	Gauge	Brass/ Stainless Steel	Steel	Gauge	Brass/ Stainless Steel	Steel
5 Knuckle	3½" × 3½" (89 × 89) 4" × 4" (102 × 102) ½" × 4" (114 × 102) ½" × 4½" (114 × 114) 5" × 4½" (127 × 114) 5" × 5" (127 × 127) 6" × 6" (152 × 152) 8" × 6" (203 × 152) 8" × 8" (203 × 203)	.123 .130 .134 .134 .146 .146 .160	T2714 T2714 T2714 T2714 T2714 T2714 T2714	.123+ .130+ .134 .134 .146+ .146+ .160+	TA2314 TA2314 TA2314 TA2314 TA2314 TA2314 TA2314	TA2714 TA2714 TA2714 TA2714 TA2714 TA2714 TA2714	- .180 .180 .190 .190+ .203+ .203+^	- T4A3386 T4A3386 T4A3386 T4A3386 T4A3386	- T4A3786 T4A3786 T4A3786 T4A3786 T4A3786 T4A3786 T4A3786
	oor is beveled on hinge ify handing required		T47 1 4		TA4314	TA4714		T4A4386	T4A4786

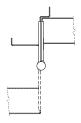
^{*} Not available in stainless steel

Standard Weight Bearing

Wide Throw Full Mortise



• For use when necessary for door to open around a large reveal



Туре	Size In. (mm)	Gauge	Door Thickness In. (mm)	Steel	Stainless Steel	Gauge	Door Thickness In. (mm)	Steel	Stainless Steel
5 Knuckle	4½" × 6" (114 × 152) 4½" × 7" (114 × 178) 4½" × 8" (114 × 203) 5" × 7" (127 × 178) 5" × 8" (127 × 203)	.134 .134 .134 .146 .146	1 ³ / ₄ " (44) 1 ³ / ₄ " (44)	TA2798 TA2798 TA2798 TA2798 TA2798	TA2398 TA2398 TA2398 TA2398 TA2398	.180 .180 .180 .190 .190	1¾" (44) 1¾" (44) 1¾" (44) 1¾" (44) 1¾" (44)	T4A3786 T4A3786 T4A3786 T4A3786 T4A3786	T4A3386 T4A3386 T4A3386 T4A3386 T4A3386
	oor is beveled on hinge ify handing required		-	TA4798	TA4398		-	T4A4786	T4A4386

⁺ Not available in brass

^{^ 8&}quot; \times 6" (203 \times 152) and 8" \times 8" (203 \times 203) hinges have six bearings and seven knuckles

Full Mortise Hinges

Swing Clear Full Mortise



Hinge allows maximum clearance for passage of beds, tables and other equipment through doorway for barrier free access.

- Packed with all wood and all machine screwsAvailable with CC or QC option for Electric Hinges
- Available with Hospital Tips



	Standard We	eight Bear	ring			Heavy Weight Bearing				
Туре	Size In. (mm)	Gauge	Door Thickness In. (mm)	Steel	Stainless Steel	Size In. (mm)	Gauge	Door Thickness In. (mm)	Steel	Stainless Steel
3 Knuckle	_	-	-	-	-	5" (127)	.190	1¾" (44)	TA795	-
	oor is beveled on anding required	hinge side,		=	-		-		TA5795	-
5 Knuckle	4½" (114)	.134	1-3/4 (44)	TA2895	TA2395	4½" (114) 5" (127)	.180 .190	1¾" (44) 1¾" (44)	T4A3795 T4A3795	T4A3395 T4A3395
	oor is beveled on anding required	hinge side,		TA4895	TA4395				T4A4795	T4A4395

Half Mortise Hinges

Half Mortise



Door leaf is mortised into the edge of the door, and jamb leaf is surface applied into jamb.

- Furnished with a NRP which allows the hinge to be reversible
- Supplied with all machine screws



				lain Bearing Standard Weight Bearing					Heavy Weight Bearing		
Туре	Size In. (mm)	Door Thickness In. (mm)	Gauge	Steel	Gauge	Stainless Steel	Steel	Gauge	Stainless Steel	Steel	
3 Knuckle	4½" (114) 5" (127) 6" (152) 6" (152)	1¾" (44) 1¾" (44) 1¾" (44) 2¼" (57)	- - -	- - - -	.134 .146 –	TA374 TA374 -	TA774 TA774 - -	.180 .190 .203 .203	TA384 TA384 TA384 TA384	TA784 TA784 TA784 TA784	
	oor is beveled on anding required	hinge side,		_	_	TA5374	TA5774	_	TA5384	TA5784	
5 Knuckle	4½" (114) 5" (127) 6" (152) 6" (152)	1 ³ / ₄ " (44) 1 ³ / ₄ " (44) 1 ³ / ₄ " (44) 2 ¹ / ₄ " (57)	.134 - -	T2774 - - -	.134 .146 _	TA3374 TA3374 -	TA2774 TA2774 - -	.180 .190 .203 .203	T4A3384 T4A3384 T4A3384 T4A3384	T4A3784 T4A3784 T4A3784 T4A3784	
	oor is beveled on anding required	hinge side,		-	_	TA4374	TA4774	_	T4A4384	T4A4784	

McKinney Condensed Catalog

Half Mortise Hinges

Swing Clear Half Mortise



Swing clear hinges allow for maximum clearance for passage of beds, tables and other equipment.

• Door leaf is mortised into the edge of the door

Heavy Weight Bearing

- Jamb leaf is surface applied into jamb
- Hospital tips available

- Furnished with a NRP which allows the hinge to be reversible
- Supplied with wood and machine screws



Heavy Weight Bearing				
Size In. (mm)	Gauge	Door Thickness In. (mm)	Steel	
5" (127)	.190	1¾" (44)	TA789	
eveled on hinge side, equired			TA5789	
5" (127)	.190	1¾" (44)	T4A3789	
eveled on hinge side, equired			T4A4789	
	Size In. (mm) 5" (127) eveled on hinge side, equired 5" (127) eveled on hinge side,	Size In. (mm) Gauge 5" (127) .190 eveled on hinge side, equired 5" (127) .190 eveled on hinge side, eveled on hinge side, eveled on hinge side,	Size In. (mm) Gauge In. (mm) 5" (127) .190 .1¾" (44) eveled on hinge side, equired 5" (127) .190 .1¾" (44) eveled on hinge side, equired	

Full Suface Hinges

Full Surface



Door leaf is applied to the surface of the door with grommet nuts and bolts.

• Narrow leaf is applied to the surface of the jamb with machine screws

Standard Weight Bearing



Туре	Size In. (mm)	Gauge	Stainless Steel	Steel	Gauge	Stainless Steel	Steel
3 Knuckle	4½" (114) 5" (127)	.134 .146	TA371 TA371	TA771 TA771	.180 .190	TA381 TA381	TA781 TA781
5 Knuckle	4½" (114) 5" (127) 6" (152)	.134 .146 -	- - -	TA2771 TA2771 TA2771	.180 .190 .203*	T4A3381 T4A3381 T4A3381	T4A3781 T4A3781 T4A3781

Heavy Weight Bearing

Swing Clear Full Surface

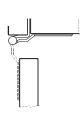


Swing clear hinges allow for maximum clearance for passage of beds, tables and other equipment.

• Door leaf is applied to surface of the door

Heavy Weight Bearing

• Jamb leaf is surface applied into jamb



Туре	Size In. (mm)	Gauge	Door Thickness In. (mm)	Steel
3 Knuckle	5" (127)	.190	1¾" (44)	TA797

Backplates available (BP-11 Series)

^{*} Not available in TCA style

Half Surface Hinges

Half Surface



Mortised into the frame, surface mounted to the door. Used for retrofit applications.

- Machine screws supplied for jambs, thru bolts and grommets on the door
- Furnished with NRP which allows the hinge to be reversible



			Plain Be	Plain Bearing Standard Weight Bearing		Heavy Weight Bearing				
Туре	Size In. (mm)	Door Thickness In. (mm)	Gauge	Steel	Gauge	Stainless Steel	Steel	Gauge	Stainless Steel	Steel
3 Knuckle	4½" (114) 5" (127)	1¾" (44) 1¾" (44)	-	_	.134 .146	TA372 TA372	TA772 TA772	.180 .190	TA382 TA382	TA782 TA782
5 Knuckle	4½" (114) 5" (127) 6" (152) 6" (152)	1¾" (44) 1¾" (44) 1¾" (44) 2¼" (57)	.134 _ _ _	T2772 - - -	.134 .146 -	TA3372 TA3372 - -	TA2772 TA2772 - -	.180 .190 .203* .203*	T4A3382 T4A3382 T4A3382 T4A3382	T4A3782 T4A3782 T4A3782 T4A3782

^{*}Not available in TCA style Backplates available (BP-10 Series)

Swing Clear Half Surface



Swing clear hinges allow for maximum clearance for passage of beds, tables and other equipment

• Door leaf is mortised into the edge of the door

Heavy Weight Bearing

• Jamb leaf is surface applied into jamb



Torre	Cinc In (com)	Course	Door Thickness	Steel
Type 3 Knuckle	Size In. (mm) 5" (127)	Gauge .190	In. (mm) 1¾" (44)	TA796
5 Knuckle	5" (127)	.190	1¾" (44)	T4A3796

Custom Hinges

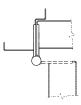
The McKinney facility in Berlin, CT can manufacture a variety of custom hinges including special hole patterns, special sizes, special swages. Consult factory for availability, call 860-828-7221.

Full Mortise Interim Hinges



Recommended for installations where door and frame are prepped for two different size hinges.

- For new or retrofit installations
- An equal amount is trimmed from the top and bottom of the leaf
- Interim hinges are supplied with a no hole bottom plug and the pin is held in place by an NRP set screw
- which allows the hinge to be reversible
- Available in both standard (TA2714; TA2314) and heavy weight (T4A3786; T4A3386)
- Consult factory for other sizes

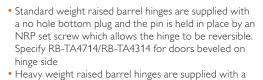


	Standard	Weight Bearing	Heavy W	eight Bearing
Size In. (mm)	Gauge	Steel	Gauge	Steel
5" × 4½" (114 × 114)	.146	TA2714	.190	T4A3786
5" × 4½" (127 × 114)	.146	TA2314	.190	T4A3386

Custom Hinges

Raised Barrel Hinges





no hole bottom plug and the pin is held in place by an

NRP set screw which allows the hinge to be reversible. Specify RB-T4A4786/RB-T4A4386 for doors beveled on hinge side

- Door leaf mortised into door
- Frame leaf may be mortised or surface applied
- Reversible Hinge

Standard weight raised barrel hinges are recommended for use on average frequency and/or medium weight wood or metal doors where the door is set in a deep revealed frame. Heavy weight raised barrel hinges are recommended for use on high frequency and/or heavy wood or metal doors where the door is set in a deep revealed frame.

• Available in QC or CC Electric Hinge Options



Square Edge Application



Beveled Edge Application

	Standard Weight Bearing			Heavy Weight Bearing		
Size In. (mm)	Gauge	Steel	Stainless Steel	Gauge	Steel	Stainless Steel
4½" × 4½" (114 × 114)	.134	RB-TA2714	RB-TA2314	.180	RB-T4A3786	RB-T4A3386

Slip-In Hinge: Type 1 and Type 2

Type I









• One leaf has standard punching and countersinking and

Both leaves are specially swaged to provide 3/16"

· Hinges are handed - Indicate hand when ordering

through a slot in the door or frame

clearance between leaves when parallel

Packed with wood and machine screws

the other leaf is drilled and tapped so it can be inserted

Type 1 Application

Type 2	
Application	

in schools, hospitals and other public buildings where medium traffic is experienced. Type 2

Recommended for use on average frequency and/or medium weight aluminum doors with aluminum frames

- Both leaves are drilled and tapped so they can be inserted through a slot in the door and frame
- Both leaves are specially swaged to provide 5/16" clearance between the leaves when parallel
- Hinges are non-handed
- Packed with all machine screws

		Standard Weight Bearing		
Туре	Size In. (mm)	Gauge	Steel	Stainless Steel
1	4½" × 4" (114 × 102) 4½" × 4½" (114 × 114)	.134 .134	TA2714 TA2714	TA2314 TA2314
2	4½" × 4" (114 × 102) 4½" × 4½" (114 × 114)	.134 .134	TA2714 TA2714	TA2314 TA2314

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MACPRO by McKinney

The MacPro line by McKinney offers contract grade hinges to get the job done right. High quality and lower prices equal an extraordinary value, ideal when you need large quantities of standard hinges. Five knuckle series and spring hinge series available.

MacPro Five Knuckle Series



- Plain bearing hinges are for standard weight doors only
- For doors with a closing device, MPB79 bearing hinge must be used
- For heavy weight doors with a closing device, select a MPB68, heavy weight bearing hinge
- MacPro by McKinney templated hinges are made to conform to ANSI/BHMA 156.1, 156.7







	Plain Be	aring	ng Standard Weight Bearing		Heavy Weight Bearing			
Size In. (mm)	Gauge	Steel	Gauge	Stainless Steel	Steel	Gauge	Stainless Steel	Steel
4½" × 4" (114 × 102) 4½" × 4½" (114 × 114)	.134	MP79	.134 .134	MPB91	MPB79 MPB79	.180	MPB99	MPB68

MacPro Spring Hinge Series



- · Coil spring provides dependable closing power
- Two concealed tee bearings for vertical and lateral loads

-	
	J .
_	

	Heavy Weight Bearing		
Size In. (mm)	Gauge	Steel	
4½" × 4½" (102 × 102)	.134	MPS60	
4½" × 4½" (102 × 102)	.134	MPB679 Set+	

⁺ Set includes two MPS60 spring hinges and one MPB79 butt hinge

McKinney StormPro® Tornado Resistant Hinges



Built to withstand the extreme wind speeds and flying debris associated with severe weather conditions, McKinney StormPro® hinges are part of the integrated unit when used with CECO StormPro® 361, Curries StormPro® 361 and Baron F-5 doors and frames, along with other StormPro® hardware by ASSA ABLOY Group brands.

- Use for the common flush door/frame/wall application
- Fire rated thru 3 hours
- Packed with stainless steel machine screws
- Available with QC Electric Hinge option



	, , , ,		
Sing In (nam)	Course	Stainless Steel	Steel
Size In. (mm)	Gauge	Steel	Steel
4½" × 4½" (127 × 102)	.180	SP3386	SP3786
5" × 4½" (127 × 102)	.180	SP3386	SP3786

Heavy Weight Bearing



 $StormPro^{\circledcirc} Tornado\ resistant\ hinges\ should\ be\ specified\ and\ ordered\ as\ a\ complete\ integrated\ unit\ including\ the\ frame\ and\ door\ along\ with\ other\ StormPro^{\circledcirc}\ hardware$

Decorative Hinges

McKinney offers decorative architectural hinges designed to suite with hardware from the ASSA ABLOY Group brands. Open up a whole new world of design options for your door openings.

Two Knuckle Hinge / Three Knuckle Hinge



- Standard weight
- 4×4 , 4.5×4 , 4.5×4.5 , 5×5 sizes available

• Steeple Tip and Ball Tip are available on 3 knuckle and 5 knuckle hinges • Flat Tip and Round Tip are available on 2 knuckle and 3 knuckle hinges

- Electrified options available
- ElectroLynx® quick connect
- Concealed circuit
- Two knuckle are handed
- · Three knuckle are non-handed

Tips











Flat Tip

Round Tip

Split Finishing



- Split finishing, where the hinge and tips are different finishes, can create a dramatic look by mixing dark with light or satin with polished
- · Available on 2, 3, and 5 knuckle hinges

the good design studio

The Good Design Studio - your resource for beautiful doors, frames and hardware from ASSA ABLOY Group brands. Visit www.thegooddesignstudio.com to learn more.



CORBIN RUSSWIN 25M and SARGENT REM lever

11/2" × 12



McKINNEY 2 knuckle hinge with square end tips



ROCKWOOD door pull, door stop and coat hook

Specialty Hinges and Accessories

Pocket Hinges

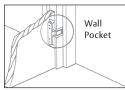




Pivot style fully mortised, semi-concealed hinges constructed of investment cast steel, with two thrust bearings for vertical loads, and roller bearings for lateral support. For standard 2" (51) frame.

UL listed (USA and Canada) for use on both hollow metal or steel covered composite fire doors rated up to three hours, and wood core type fire doors rated 20 minutes. Meets material and performance requirements of NFPA 80 and ANSI 156.1.

.187



Face of door is flush with corridor wall No protruding edge	— Door recessed into wall pocket

Number of Hinges Required per Door	Maximum De Ft. (mm)	oor Size	Maximum Door Size Lbs. (kg)
2	3'0" × 7'0" ('	914 × 2134)	150 (68)
3	3'0" × 7'0" ('	914 × 2134)	250 (113)
4	4'0" × 7'0" (1219 × 2134)	350 (159)
Size of Wood Screws	Gauge	Each per Box	Size of Machine Screws

3

3/4 × 12-24

Security Hinges

Full Mortise Institutional





- into an internally constructed shelf Knuckles with tapered hospital tips prevent tampering
- and removal of pins • To further enhance its security, this hinge is available with an optional prison safety feature (suffix PSF)
- Single studs projecting from the back of each leaf fit into the hinge reinforcement on jamb and door to prevent shearing of screws
- Consult the factory for additional information regarding our security hinge line which includes additional sizes and electrification of hinge (magnetic monitoring not available with PSF security stud)
- Additional finishes are available in steel
- Ball bearings are supplied as a standard on institutional





PSF Security Stud

Size, In. (mm)	Gauge Diameter	Outside Diameter	Stud Projection	Stud	Steel Hinges	Stainless Steel Hinges
4½" × 4½" (114 × 114)	.180	.720 (18)	7/16 (11.1)	½" (12.7)	HTB786	HTB386 (32D)
4½" × 4½" (114 × 114)	.180	.720 (18)	7/16 (11.1)	½" (12.7)	HTB786 PSF	HTB386 PSF (32D)

Full mortise institutional hinges (prefix HTB) are designed especially for maximum security installations including hospitals, high security schools, institutions, and prisons. Institutional hinges are available in either

steel or stainless steel. Available with Torx pin head security machine screws (suffix TXS).

NOTE: PSF = prison safety feature

Full Mortise Anchor



Anchor hinges are used in abusive areas in which the door, jamb, and hinges experience unusual strain. All anchor sets consist of the top anchor and two $5" \times 4\frac{1}{2}"$ (127 × 114) three knuckle full mortise heavy weight hinges. Anchor sets are handed.

- NRP furnished on set as standard. (Set consists of one anchor and two heavy weight full mortise three knuckle hinges)
- Anchor hinges are handed
- Can be swaged for either square edge or beveled (hinge side) edge

Square Edge Door Beveled Edge Door





TA792 Anchor Hinge Set

					8		0
Туре	Size, In. (mm)	Gauge	Application	Steel	Stainless Steel	Steel	Stainless Steel
3 Knuckle	5" × 4½" (127 × 114)	.190	Anchor plate for top of door only	TA791	TA391	TA5791	TA5391
			Anchor plate for top of door and frame header	TA792	TA392	TA5792	TA5392
			Anchor plate for frame header only	TA793	TA393	TA5793	TA5393
			Anchor plate for top of door and frame header *Door plate is 4" (102) and are recommended for doors where door holders, door closers, or other hardware present mounting conflicts with the standard hinge anchor plate.	TA794*	TA394*	TA5794*	TA5394*



Rescue Hardware

Jamb Mount Pivot Set: EP5-J





EP5-J

For use on average frequency double acting interior doors in schools, hospitals, institutions, and other public buildings. Header pivot solid brass material. Top door pivot has an oil impregnated porous metal bearing and rounded corners. Bottom jamb bracket solid brass material with $\frac{1}{4}$ " (6) vertical adjustment. Bottom door pivot has an anti-friction bearing unit and rounded corners. Pivot point $\frac{11}{4}$ " (32) from jamb. Full mortise only on jambs and door.

Number	Maximum Door Weight, Lbs. (kg)	Maximum Door Size Ft. (mm)
EP5-J Jamb Mounted Pivot	up to 125 (57)	3'6" × 8'0" (1067 × 2438)

Combination Strike and Stop: CSS-9



CSS-9 Offset Hung



CSS-9 Center Hung

Recommended for installations on hospital or nursing home bathroom doors along with McKinney EP5-J. This unit allows center hung or 1/8" inset doors to be opened in both directions without damaging the frame.

- .095 gauge brass material polished and plated
- Manufactured for use with cylindrical or bored locks
- Packed with $\frac{1}{2} \times 8-32$ machine screws
- Consult the factory for use with Mortise locks by ASSA ABLOY brands. Cannot be used with deadbolts

Emergency Door Stop: DS-6



For use with McKinney EP5-J pivots in schools, hospitals, institutions, and other public buildings. Used for converting double acting doors, hung on center pivots, to single acting doors.

- Furnished in brass material with rubber bumper insert
- Spring action stop with fingertip release using a pullman-type latch
- Highly polished, then naturally finished or finely plated
- Mortise only on frame

Number	Size of Surface Plates In. (mm)	Screws
DS-6	4½" × 1½" (114 × 41)	½" × 12-24

Double Lipped Strike: DLS-8



Recommended for installations on hospital or nursing home doors along with the EP5-J and DS-6. This unit allows center hung or 1/8" inset doors to be opened in both directions without damaging the frame.

- DLS-8
- Made from .095 gauge brass
- Polished and plated
- Available in center hung or offset
- For frame size 5¾" (146) and 6¾" (171)
- Supplied with six each 1/2" x 8" machine screws
- Other sizes available upon request

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Spring Hinges

Full Mortise Single Acting



Grade 1, surpassing a million cycles

The 1500 Series has infinite adjustment, and tension
 Series has infinite adjustment, and tension
 1502 Now available in reverse action, specify 1502R

- The 1500 Series has infinite adjustment, and tension can be added or reduced
- Locking screw prevents tampering after tension is set
- NFPA 80 requires a minimum of two spring hinges on labeled doors

For use on wood or metal doors in apartments, hotels, motels, offices, and other public buildings. Two concealed tee bearings for vertical and lateral loads. Coil spring design provides dependable closing power.

• Consult the factory for the TRS security option

			Steel		Stainless Steel
Size In. (mm)	Gauge	Door Thickness In. (mm)	Single Hinge	Set	Single Hinge
4" × 4" (102 × 102)	.130	1¾" (44)	1502 (Full Mortise)	_	_
4½" × 4" (114 × 102) 4½" × 4½" (114 × 114)	.134 .134	1¾" (44) 1¾" (44)	1502 (Full Mortise) 1502 (Full Mortise)	1522 (Set of 2 1502 spring hinges and 1 springless)	1552 (Full Mortise)
4½" (114)	.134	1¾" (44)	1572 (Half Mortise)	_	_





Applications

Hinge	Hinges	Per Door	Maximum D	Maximum Door Size and Weight		
		Size	Weight, Lbs.	Door Width, Ft.	Door Height, Ft.	
1502	3	4" × 4"	125	3'0"	7'0"	
1502, 1552	3	4½" × 4"	150	3'0"	7'0"	
1502, 1552, 1572*	3	4½" × 4½"	150	3'0"	7'0"	
1522	1 Set	4½" × 4"	115	3'0"	7'0"	
1522	1 Set	4½" × 4½"	115	3'0"	7'0"	

^{*} Backplates available (BP-12 Series)

Full Mortise Double Acting



Double acting hinge is designed to be applied directly to the jamb without the use of a hanging strip. Door flange requires a shallow mortise. Springs are made of high grade tempered steel.

- 3" (76), 4" (102), 5" (127) and 6" (152) hinges are for wood doors not weighted with plate glass or heavy hardware
- Hinge capacity decreases as door height increases
- For stock hollow metal doors, use $6" \times 4\frac{1}{2}"$ (152 × 114)
- 8" (203) 9001 is designed for use on wood or heavy doors of metal construction

2 Hinges Per Door 3 Hinges Per Door

• 8" (203) 19001 is designed for use on trucking doorways



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Hinge	Size, In. (mm)	Maximum Door Thickness, In. (mm)	Door Width, Ft. (mm)	Weight, Lbs. (kg)	Door Width, Ft. (mm)	Weight, Lbs. (kg)	Door Height, Ft.
1001 1001 1001 1001 1001	3" (76) 4" (102) 5" (127) 6" (152) 6" × 4½"	3/" to 1" (19 to 25) 3/" to 1/4" (22 to 32) 1/6" to 1/4" (29 to 38) 1/4" to 1/4" (32 to 44) 1/4" (44) (152 x 114)	2'0" (610) 2'4" (711) 2'8" (813) 2'8" (813) 2'8" (813)	35 (16) 60 (27) 65 (29) 75 (34) 75 (34)	2'8" (813) 3'0" (914) 3'0" (914) 3'0" (914) 3'0" (914)	40 (18) 75 (34) 90 (41) 107 (49) 107 (49)	5'0" (1524) 6'8" (2032) 6'8" (2032) 7'0" (2134) 7'0" (2134)
9001	8" (203)	1½" to 2" (38 to 51)	3'6" (1067)	100 (45)	4'0" (1219)	143 (65)	7'0" (2134)
19001	8" (203)	1¾" (44)	3'6" (1067)	100 (45)	4'0" (1219)	143 (65)	7'0" (2134)

Spring Hinges

Half Surface Double Acting



HS1001 is designed for use on thin plywood doors or gates where screws will not hold in the edge of a door. Does not require a hanging strip.

2 Hinges Per Door 3 Hinges Per Door

- Designed for one flange to be applied to the surface of • Springs made of high grade tempered steel the door and other to the surface of the jamb
- Application



			2 1 1111603 1 01	2 milges i ei Beei		5 Timiges Fer Book	
Hinge	Size, In. (mm)	Maximum Door Thickness, In. (mm)	Door Width, Ft. (mm)	Weight, Lbs. (kg)	Door Width, Ft. (mm)	Weight, Lbs. (kg)	Door Height, Ft.
HS1001 HS1001	3" (76) 4" (102)	¾" to 1" (19 to 25) %" to 1¼" (22 to 32)	2'0" (610) 2'0" (610)	35 (16) 35 (16)	2'8" (813) 2'8" (813)	40 (18) 40 (18)	5'0" (1524) 5'0" (1524)

Spring Butt



These heavy duty hinges are made from heavy cast iron with two axis which permit opening the door 90° in each direction. They are designed for use on high frequency and heavy wood or metal trucking doorways in post offices, warehouses, and other buildings where heavy traffic is experienced.

- These hinges are particularly useful in preventing door oscillations in extreme and variable draft conditions
- Available in prime or powder coat finish

Heavy	Duty	CS1
Spring	Butt	

			Door			
	Maximum Door Thickness In. (mm)	Number of Hinges for Each Door	Maximum Width, Ft. (mm)	Height, FT. (mm)	Maximum Weight, Lbs. (kg)	Remarks
CS1	1¾" (44)	2	3'0" (914)	8'0" to 9'0" (1438 to 2743)	265 (12)	If doors are wider, higher or heavier than indicated in this
CS1	1¾" (44)	3	4'0" (1219)	8'0" to 9'0" (1438 to 2743)	320 (145)	schedule, send information and recommendations will be given.

Spring



These springs are the most economical and simplified method for closing doors. The coil springs are made of high grade steel wire, and tension is adjustable.

- No special tool is required to apply tension
- Springs and screws are furnished in black (D4) finish

Number	Length Overall, In (mm)	Spring Length, Im (mm)
451	9" (229)	5" (127)
452	11" (279)	7" (177.8)
453	13" (330)	9" (228.6)

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Aluminum Continuous Geared Hinges

McKinney provides aluminum continuous geared hinges for application on wood, aluminum, and hollow metal doors and frames. Mortising is not necessary as all leaves fit on the edge or the face of the door.

The continuous geared hinge has no pin; instead it uses two geared sections with a continuous cap concealing the gears and the wear surfaces. This design minimizes lateral wear and virtually eliminates door sag. The gear design keeps each leaf in perfect alignment for the full length of the hinge, causing the door to swing evenly from top to bottom.



SER Option Shown





LISTED Door Hinges 76Y2

 McKinney continuous hinges come in either clear satin or bronze anodized finishes and are available in lengths from 79" (2007mm) to 120" (3048mm) for standard or heavy weight applications

- Full mortise, full surface, and half surface types available
- McKinney aluminum continuous geared hinges are certified as fully functional after 1.5 million cycles using a standard duty hinge on a 150 lb. door
- McKinney aluminum continuous hinges have been tested and certified by Underwriters Laboratories, Inc.[®] (U.S.A. and Canada) for up to a 3 hour (A Label)
- Fire Listing for all 4'0" x 10'0" (1219mm x 3048mm) and 8'0" x 10'0" (2438mm x 3048mm) door and frame assemblies. McKinney continuous hinges are guaranteed for the life of the opening.
 Electrical options are guaranteed for five years.

Fire listing certification applies to all approved hollow metal and wood door assemblies in dry wall or masonry wall construction

• Fire Pins, which also increase the security of the door, are required for 3 hour applications

McKinney Continuous Geared Hinges can be electrically modified in three ways:

- SER- Serviceable/Removable hinges are provided in three sections allowing the current carrying cable to be serviced or replaced without removing the door from the frame
- ACC- Accessible feature is provided in a single section with leaves modified to pivot at the location of the current carrying cable to allow access to the cables and connected wiring
- QC- Quick Connect hinges are provided in a single section with the wires already run through the hinge

Hinge Weight Capacity			
Size, In (mm)	Heavy Duty Lbs.		
79" (2007mm)	520 lbs		
83" (2108mm)	540 lbs		
85" (2159mm)	540 lbs		
95" (2413mm)	620 lbs		
120" (3048mm)	780 lbs		

Hardwiring Made Easy



Full Mortise Edge Hung Flush Door MCK-12HD Series





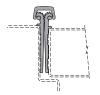
Full Surface Swing Clear MCK-22HD Series





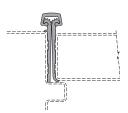
Full Mortise Edge Hung Inset Door MCK-14HD Series





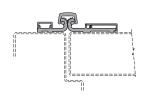
Full Mortise Edge Hung MCK-25HD Series





Full Surface Center Pivot MCK-58HD Series





Half Surface MCK 54 Series





McKinney Condensed Catalog

Steel and Stainless Steel Continuous Hinges McKinney steel and stainless continuous hinges are the clear choice for in where maximum door support is required. Consistent high quality manual contents to the continuous hinges are the clear choice for in where maximum door support is required. Consistent high quality manual contents to the contents of the contents o

McKinney steel and stainless continuous hinges are the clear choice for institutional, industrial or any other high frequency applications where maximum door support is required. Consistent high quality manufacturing and performance levels make door aligning easy for maintenance free, long lasting results.

- Non-handed hinges with slim barrel design, concealed Teflon-coated stainless steel, free-moving rod
- Split bearing assembly improves cycle life and promotes quiet and smooth operation
- McKinney type 304 stainless continuous hinges are provided in satin stainless (US32D) finish and are available in bright stainless (US32) on a custom ordered basis
- Steel hinges are gray powder coat finish
- McKinney steel and stainless steel continuous hinges are UL listed (USA and Canada) for up to and including 3 hours
- These hinges support up to a 600 lb. door (FM3500 will support a 900 lb. door)
- Guaranteed to be free from defects in materials and workmanship for a period of ten years
- Maximum labeled opening: 8'0" x 8'0" pairs of doors
- Consult the factory or the McKinney catalog for additional information
- Full complement of electrical options are available
- Many models are windstorm rated

Door Size	Hinge Length Inches	Hinge Length Millimeter
6'8"	78.75"	2000.2
7'0"	83.125"	2111.4
7'2"	85"	2159.0
8'0"	95"	2413.0
10'0"	118.75"	3016.2

MCK-FM300 Stainless Edge Mounted Application MCK-FM3700 Series Steel

Also available:

Full Wrap Edge Guard, specify MCK-HG305 Half Wrap Edge Guard, specify MCK-HG315



Stainless Steel MCK-FS302 or MCK-FS3702 Steel Surface Applied

Allows for secure attachment for doors and frames that cannot be hung on edge mount hinges



MCK-HM304 or MCK-FS3702 Steel Half Mortise Stainless Application

Door leaf mounted to edge of door and frame leaf is surface mounted to face of frame.

Also available:

Half Wrap Edge Guard, specify MCK-HG306



Edge Guards

- Full-Wrap Edge Guard protects both the inner and outer door edges from dents, gouges and other damage with minimal visibility
- Full-Wrap Edge Guards are supplied with Adjust-A-Screws
- Half-Wrap Edge Guard protects the inside door edge from carts and and equipment moving through the opening



Full Mortise Electric Hinges

ElectroLynx® Hinge (QC option)





Features concealed plug connectors that eliminate the need for separate or exposed wiring. Standard connectors make installation quick and simple. Brass eyelets add protection and durability.

- The QC option is available on standard and heavy weight full mortise bearing hinges as well as swing clear and wide
- Electric hinges allow a constant flow of energy from the power source through the hinge to electrified door hardware. No external wires can be seen, eliminating tampering and improving the aesthetics of the door opening
- Materials: brass, stainless steel, and steel
- For 4 amp continuous @ 24 volts AC or DC per circuit, 28 gauge multi-strand wires are used. A pigtail is provided for connection to the source wiring
- An 8 position connector is used for QC2, QC4, QC6 and QC8 wire hinges. An 8 position and a 4 position

- connector is used for QC12 wire hinges. A QC2A wire hinge is available for power on, power off applications
- Hand of hinge must be specified on two knuckle hinges
- Full Mortise QC hinges are available in most BHMA and McKinney powder coat finishes
- Wires are coordinated to work with other ASSA ABLOY Group brands electro-mechanical hardware
- Electric hinges should be installed in the center position on the door. Installation instructions are packed with each hinge
- Hinges are factory tested and specially packaged to minimize against damage during shipment

Standard ElectroLynx Retrofit Cable Sizes			
Actual Cable Length	12 Conductor and Molex both ends	12 Conductor and Molex one end, pinned one end	Typical Application
3"	QC-C003	QC-C003P	
6"	QC-C006	QC-C006P	Between hinge and the end of an exit device.
12"	QC-C012	QC-C012P	
26"	QC-C200	QC-C200P	
32"	QC-C206	QC-C206P	
38"	QC-C300	QC-C300P	Between hinge and through the door to the lockset or exit device trim.
44"	QC-C306	QC-C306P	- exit device u iiii.
50"	QC-C400	QC-C400P	_
15' 2"	QC-C1500	QC-C1500P	From the hinge location, up the jamb to above the ceiling, or up and around full lite or half lite metal door.

The patented McKinney ElectroLynx® Power over Ethernet (PoE) Quick Connect hinge provides for the passing of Ethernet data through the door opening. Installation is a snap with the friendly "plug and play" connectors which allow power to be linked from the incoming source through the door to the electrified

ElectroLynx® Power over Ethernet Hinges





 Brass eyelets add protection and durability to the PoE hinge which features common wire colors coordinated to work with intelligent Power over Ethernet electromechanical hardware from SARGENT and Corbin Russwin

hardware. PoE data is bidirectional.

- The PoE hinge should be installed in the second from bottom hinge position on the door. Once installed, it will give no outward indication of its function and will transfer power and data efficiently and reliably, as long as the wire capacity is not
- All PoE hinges are factory tested and specially packaged to minimize damage during shipment. Installation instructions are packed with each hinge.
- Along with the PoE hinge, mating PoE door and frame side harnesses are required to complete the opening. The required PoE harnesses must be ordered separately
- See full line catalog for PoE harness part numbers.
- Specify suffix PoE
- * Refer to individual full line catalog pages regarding the availability of these options.

Hardwiring Made Easy



ElectroLynx®

As part of their promise to provide innovative, fast and effective high security solutions to their customers, certain ASSA ABLOY Group brands offer ElectroLynx®, a universal quick-connect system that simplifies the electrification of the door opening. ${\sf ElectroLynx}^{\sf B}$ is a registered trademark of ASSA ABLOY Inc.

Full Mortise Electric Hinges

Concealed Circuit



McKinney Concealed Circuit (CC) electric hinges allow a constant flow of energy from the power source through the hinge to electrified door hardware. No external wires can be seen, eliminating disruption of power due to tampering or disconnection, and improving the aesthetics of the opening.

- Allows operation of devices requiring power such as electric locks, electric strikes, and electric latch retraction exit devices
- Wires are contained within the hinge invisible and tamperproof
- Available with most two, three, and five knuckle bearing hinges
- Available with 2, 4, 6, 8, 10 or 12 wire
- Materials: standard and heavy weight, brass, steel, and stainless steel

 Four amp continuous @ 24 volts AC or DC per circuit
16.0 Amps intermittent duty (pulse) for 300 milliseconds

- Can be used in conjunction with MM option on most full mortise hinges
- Optional Mortar guard MG-16 available
- Hinges are supplied with 8" (305) leads as standard
- Extra lengths are available at additional cost
- Two knuckle style is handed

Heavy Duty		
Suffix	Wires	Configuration
CC2-18	2	2- 18 gauge wires
CC4-18	4	2- 18 gauge, 2- 28 gauge
CC6-18	6	2- 18 gauge, 4- 28 gauge
CC8-18	8	2- 18 gauge, 6- 28 gauge
CC10-18	10	2- 18 gauge, 8- 28 gauge

Standard			
Suffix	Wires	Configuration	
CC2	2	2- 28 gauge wires	
CC4	4	4- 28 gauge wires	
CC6	6	6- 28 gauge wires	
CC8	8	8- 28 gauge wires	

Magnetic Monitoring Hinge



The McKinney Magnetic Monitoring (MM) Hinge is the only system on the market that permits field replacement of magnet and switch. It is a simple, dependable system which defies detection, yet is readily accessible for inspection and easy adjustment.



- MM Electric Hinges should be installed in the center position on doors with three hinges or the second hinge position from the bottom on doors with four hinges
- Neither switch nor operating magnet are attached to the hinge. Non-attachment feature reduces the chance of damage during installation. Installation instructions packed with each hinge. All MM Electric Hinges are individually factory pre-tested
- The MM feature is available on most two, three and five knuckle full mortise standard and heavy weight hinges, and our full mortise aluminum continuous hinges. Consult the individual catalog pages for this option feature
- For low voltage (48 volt maximum) .25 Amps AC or DC non-inductive load
 Magnetic good consoled switch importations to display the control of the c
- Magnetic reed concealed switch impervious to dirt and moisture
- Narrow Stile (NS) Switch and Wide Gap Magnet options available
- Can be used in conjunction with QC option on most full mortise hinges up to QC12
- Can be used in conjunction with CC option on most full mortise hinges up to CC12 Wire

U.L. Listing		
6V	.25 Amps	
12V	.25 Amps	
24V	.125 Amps	
48V	.062 Amps	







