

McKinney Warranty

McKinney products are guaranteed to be free of defects in both workmanship and materials for a period of one year. Any bending, defacing or modification of our product after leaving the factory will void the warranty. Liability shall be limited to the replacement of product or component determined to be defective and shall not include costs arising from removal or reinstallation of product. Cost of replacement shall not exceed original purchase price.

Written notice of damages must occur within the warranty period. A factory generated Return Goods Authorization will be provided as no goods will be accepted without prior approval. These defective goods must be returned to our factory in Berlin, CT, unless specified otherwise. Freight charges must be pre-paid unless noted otherwise.

This guarantee is only valid if the products are specified, applied and adjusted in accordance with the instructions contained in the General Information Section of the McKinney catalog and on frames and doors that are plumb and square.

Hinge Types

McKinney offers the broadest range of full mortise hinges in a variety of metals, finishes, sizes, and weights to meet all your load bearing and security applications. They include two, three, and five knuckle styles, swing clear hinges, wide throw hinges, anchor hinges, electric hinges, institutional hinges, and pivots.

McKinney hinges conform to Government standards CS9-65 and SDI as well as the following standards approved by the Builders hardware Manufacturers / American National Standards Institute:

ANSI/BHMA Standard 156.1 -

The American National Standard for Butts and Hinges

ANSI/BHMA Standard 156.7 -

The American National Standard for Template Hinge Dimensions

ANSI/BHMA Standard 156.17 -

The American National Standard for Self-Closing Hinges & Pivots

ANSI/BHMA Standard 156.18 -

The American National Standard for Material and Finishes

Full Mortise Hinges

McKinney offers the broadest range of full mortise hinges in a variety of metals, finishes, sizes, and weights to meet all your load bearing and security applications. They include two, three, and five knuckle styles, swing clear hinges, wide throw hinges, anchor hinges, electric hinges, institutional hinges, and pivots.

Full Surface Hinges

Choose from regular and swing clear models for heavy weight bearing or standard weight bearing applications in a choice of metals, gauges, and sizes. Two knuckle, three knuckle, and five knuckle styles are available.

Half Mortise Hinges

Available in a choice of metals, gauges, and sizes for a wide range of door thicknesses. You may specify plain bearing, standard weight bearing, or heavy weight bearing models. Regular and swing clear applications. Three knuckle, as well as five knuckle styles are available.

Half Surface Hinges

Heavy weight bearing, standard weight bearing, and plain bearing hinges in a range of metals, gauges, and sizes. Regular and swing clear applications. Three knuckle, and five knuckle styles.

Security Hinges

McKinney produces an assortment of electrical security hinges for a wide variety of control functions. Included are full mortise bearing hinges with either concealed circuitry or concealed switch. In addition, a unique, field-replaceable magnet monitoring hinge, featuring a magnetic reed concealed switch, is available. McKinney also produces full mortise institutional hinges for maximum security installations, and our full mortise single acting spring hinge is available with a Tamper Resistant Screw (TRS Option) which is screwed into the tension ratchet after proper tension has been set.

Spring & Specialty Hinges

A full range of spring hinges are available for all types of door sizes, weights, and applications. Included are full mortise single acting hinges, single acting reverse spring hinges, full mortise double acting hinges, and half surface double acting hinges, plus our heavy duty spring butt hinge that permits doors to open 90° in either direction. In addition, McKinney produces a variety of hinges for special applications including anchor hinges, wide throw hinges, swing clear hinges, and pocket hinges.

Electric Hinges

To meet today's need for greater security applications, McKinney developed a variety of electric hinges used in remote door monitoring and access control systems. These ElectroLynx® Hinges use convenient Molex connectors to make installation quick and simple.

Traditional wired connection electric hinges are available with 28 gauge and 18 gauge wires.

Continuous Hinges

McKinney self-aligning continuous hinges extend the full height of the door. These hinges bond the door and frame into an integrated unit and present a streamlined, no-gap surface, affording privacy, safety, and outstanding performance. The high load capacity of these hinges makes them ideal for use in high-frequency areas where hinges are subject to abuse. The hinge design affords resistance to vandalism. McKinney aluminum continuous geared hinges are warranted for the life of the building. UL listed in both the USA and Canada up to 3 hour (A label) application. Pin and Barrel continuous hinges are available in stainless and steel.

Miscellaneous

McKinney provides a standard duty center hung jamb mount pivot set.

Additionally, we provide emergency door stops, strikes, and stainless steel edge guards.

The most up to date templates are available on the website at www.mckinneyhinge.com

Hinge Bearings

McKinney offers a number of bearing choices. Door weight, height, width, thickness and frequency of operation are all factors in determining the proper hinge.

Oil Impregnated Bearing (TA)

One piece, non-ferrous, and self-lubricating bearings ensure even longer-lasting wear and resistance to clogging, corrosion, and hinge failure. This feature is standard and supplied on all five knuckle bearing hinges.



Ball Bearing (TB)

Ball bearings are available on all five knuckle bearing hinges.



Concealed Bearing (TCA)

Concealed, anti-friction type bearings are available on all five knuckle bearing hinges, which provide long-lasting wear and consistency of hinge barrel design.

Note: All three and two knuckle bearing hinges are provided with concealed, anti-friction type bearings (designated TA).



Plain Bearing

This is the designation for non-bearing hinges. Knuckles are machined with bearing-like surfaces to move against one another. These are not recommended for high frequency doors or doors with closing devices. These hinges are not approved for use in labeled openings.



Number of Bearings

Standard gauge McKinney three knuckle and five knuckle bearing hinges (.123 - .160) are supplied with two bearings. These hinges are intended for use on doors subjected to average traffic in residential and light commercial construction. Four bearings can be specified (T4A2714/ T4A2314) on some five knuckle hinges.

Heavy gauge McKinney hinges (.180 - .203) are regularly furnished with four bearings. 8" five knuckle hinges supplied with six bearings. These hinges are intended for use on heavy doors and high frequency doors for all types of construction.

Note: One bearing carries the vertical load on two bearing hinges. On four bearing hinges, two bearings carry the load.

Door weight, height, width, thickness and frequency of operation are all factors in determining the proper hinge. Four bearing hinges should be specified whenever there is any question.

McKinney steel or stainless steel based Bearing Hinges are approved for use on Labeled Applications based upon Table 1 Reference NFPA-80 Table 6.4.3.1 Builders Hardware. See catalog page 24 for additional information.

Five Knuckle Heavy Weight Full Mortise Series

Recommended for use on high frequency and/or heavy wood or metal doors in schools, hospitals or other public buildings where heavy traffic is experienced.

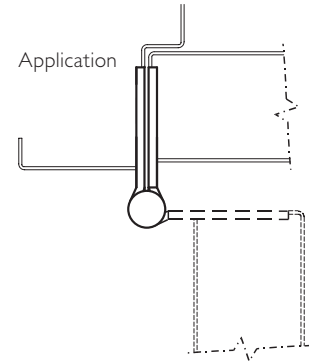
- Heavy weight hinges should be used on all extra heavy doors or those exposed to high frequency use
- T4A3386- Stainless steel base or available in brass base material polished
- T4A3786- Steel base material
- For Beveled Edge, where doors are beveled on hinge side, specify T4A4386 or T4A4786
- For available finishes see page 29

T4A3386
T4A3786



Note: 8" x 6" and 8" x 8" have six bearings. Specify T6B3386 or T6B3786

No.	ANSI Cross Reference	Base Material	Weight
T4A3386	A5111	Stainless	HVY
T4A3386	A2111	Brass	HVY
T4A3786	A8111	Steel	HVY



Specifications

Inches	mm	Gauge	No. of Holes	Fasteners	
				Machine	Wood
4½" x 4"	114.3 x 101.6	.180	8	½ x 12-24	1¼ x 12
4½" x 4½"	114.3 x 114.3	.180	8	½ x 12-24	1¼ x 12
5" x 4½"	127 x 114.3	.190	8	½ x 12-24	1¼ x 12
5" x 5"*	127 x 127	.190	8	½ x 12-24	1¼ x 12
6" x 5"*	152.4 x 127	.203	8	½ x ¼-24	1¼ x 14
6" x 6"*	152.4 x 152.4	.203	10	½ x ¼-20	1½ x 14
8" x 6"*	203.2 x 125.4	.203	16	½ x ¼-20	1½ x 14
8" x 8"*	203.2 x 203.2	.203	16	½ x ¼-20	1½ x 14

* Not available in brass base material

Options:

Code	Description
NRP	Non-Removable Pin
T4B	Ball Bearing
TCA	Concealed Bearing
RC	Round Corner - ¼" radius furnished unless specified otherwise
HT	Hospital Tip
BT	Ball Tip
ST	Steeple Tip
SSF	Safety Stud Feature
RB	Raised Barrel*
QC	ElectroLynx® Hinge - 2, 4, 6, 8, 10 or 12 wire available
CC	Concealed Circuit - 2, 4, 6, 8, 10 or 12 wire available
CC-18	Concealed Circuit - 2, 4, 6, 8 or 10 wire available (2-18AWG wires and the remainder 28AWG wires)
MM	Magnetic Monitoring

* Refer to page SP-3 for Raised Barrel