

Options

Round Corner Option

Furnished as $\frac{1}{4}$ " radius unless specified otherwise.
 $\frac{5}{32}$ " or $\frac{5}{8}$ " may be specified on full mortise hinges.
Specify option "RC".

RCT2714



Applications

This section will seek to address different variations of door, frame and wall conditions which you might encounter in hanging the door and the product solutions offered by McKinney.

Included are some of the more common conditions and some of the not-so-common conditions. The focus here will

be on the type of hinge to use within a given door/frame/wall condition. The following examples are not intended to cover every possible situation in which a particular type hinge might be used, but only a representative sampling. Consult the factory for any unusual installation requirements not shown here.

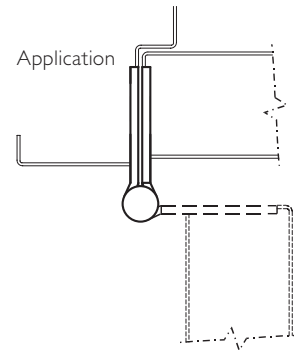
Common Applications

Full Mortise Hinge

The most common application is a flush door/frame/wall condition using a hollow metal frame with a standard hollow metal or wood door which is flush or $\frac{1}{16}$ " inset from the face of the frame, with a wall which is either flush (or inset from the face of the frame). Recommended to hang door for 180° swing: Full Mortise Hinge. The same hinge could be used with a wood or aluminum frame provided the door/frame/wall conditions are flush.

Note: A fire labeled wood door requires sufficient hinge reinforcement to use this type hinge.

TA2714

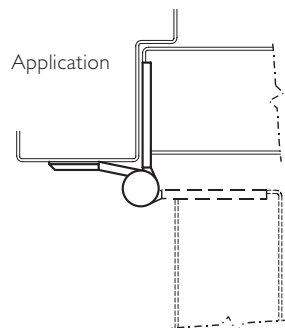


Less Common flush door/frame/wall application

Half Mortise Hinge

A hollow metal or wood door with channel iron frame. Recommended to hang door for 180° swing: Half Mortise Hinge.

TA2774



Quick Reference Chart

Door, Frame Wall Conditions	Frame Type	Door Type	Hinge Type	Variation of Basic Hinge Type Shown Below (See Note 2)	McKinney Example (See Note 3)
Flush*	Wood or Metal	Wood or Metal	Full Mortise	(not applicable)	TA2714
Flush*	Channel Iron	Wood or Metal	Half Mortise	(not applicable)	TA2774
Flush*	Channel Iron	Kalamein or Fire Labeled Wood Door (See Note 1)	Full Surface	(not applicable)	TA2771
Flush*	Metal	Kalamein or Fire Labeled Wood Door (See Note 1)	Half Surface	(not applicable)	TA2772
Flush*	Metal	Heavy and/or High Frequency Wood or Metal	Anchor	Full Mortise	TA792
Flush*	Wood or Metal	Wood or Metal Requiring Alternative Closing Device	Spring	Full Mortise Half Surface	1502, 1572
Flush*	Wood or Metal	Wood or Metal Required to Clear Opening at 90° of Swing	Swing Clear	Full Mortise	TA2895
Deep Frame Reveal	Wood or Metal	Wood or Metal with Maximum Swing of 90° to 110°	Raised Barrel	Full Mortise	RBTA2714
Deep Frame Reveal with or without Trim on the Face of the Frame or a Projecting Wall	Wood or Metal	Wood or Metal with swing to 180°	Wide Throw	Full Mortise	TA2798
Wall Pocket at 90° of swing	Metal	Wood or Metal	Pocket Hinge	(not applicable)	PH-4

* Includes door and frame conditions of up to 1/8" inset

Notes:

1. Fire labeled wood door without sufficient hinge reinforcement. Door leaf is hung using back plate with grommet nuts and bolts.
2. The four basic hinge types are full mortise, half mortise, full surface and half surface. Variations (i.e. anchor, swing clear, raised barrel, wide throw) are available in the basic types shown above but may not be available in all basic hinge types. Consult individual catalog pages for availability.
3. Consult individual catalog pages for available sizes, weights, materials, versions, bearings and finishes. Hinges for doors beveled (1/8" in 2") on hinge side use 5000 series for 3K hinges (e.g. TA5792); use 4000 series for 5K hinges (e.g., TA4895).

Five Knuckle Standard Weight Series

Recommended for standard weight, medium frequency doors, or doors with closing devices.

- Use for common flush door/frame/wall applications
- For Beveled Edge, where doors are beveled on hinge side, specify TA4314 or TA4714
- For available finishes see page 29

TA2314
TA2714

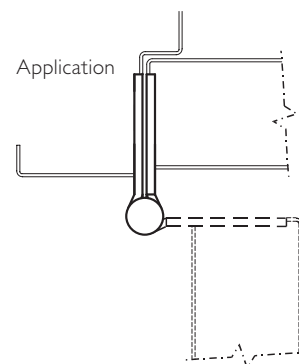


No.	ANSI Cross Reference	Base Material	Weight
TA2314	A5112	Stainless	STD
TA2314	A2112	Brass	STD
TA2714	A8112	Steel	STD

Specifications

Inches	mm	Gauge	No. of Holes	Fasteners	
				Machine	Wood
3½" x 3½"*	88.9 x 88.9	.123	6	½ x 10-24	1 x 10
4" x 4"*	101.6 x 101.6	.130	8	½ x 12-24	1¼ x 12
4½" x 4"	114.3 x 101.6	.134	8	½ x 12-24	1¼ x 12
4½" x 4½"	114.3 x 114.3	.134	8	½ x 12-24	1¼ x 12
5" x 4½"*	127 x 114.3	.146	8	½ x 12-24	1¼ x 12
5" x 5"*	127 x 127	.146	8	½ x 12-24	1¼ x 12
6" x 6"*	152.4 x 152.4	.160	10	½ x ¼-20	1½ x 14

* Not available in Brass base material



Options:

Code	Description
NRP	Non-Removable Pin
TB	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
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

Standard Weight 5K Hinges continued

SKU	Catalog Number	Size	Options	Finishes
55854	TA2714	4½ × 4½		15
55856	TA2714	4½ × 4½		26
55858	TA2714	4½ × 4½		26D
55859	HTA2714	4½ × 4½		26D
55860	TA2714	4½ × 4½	NRP	26D
55862	TA2714	4½ × 4½		10B
55870	TA2714	4½ × 4½	NRP	26
55875	TA2714	4½ × 4½	NRP	10B
55885	TA2714	4½ × 4½	CC4	26D
55904	TA2714	4½ × 4½	CC8	26D
55940	TB2714	4½ × 4½		26D
55942	TB2714	4½ × 4½	NRP	26D
55962	TA2714	5 × 4		26D
55972	T2714	5 × 4½		26D
56014	TA2714	5 × 4½		10
56020	TA2714	5 × 4½		26D
56021	TA2714	5 × 4½		15
56026	TA2714	5 × 4½		10B
56030	TA2714	5 × 4½	NRP	26D
56035	HTA2714	5 × 4½		26D
56106	TA2714	4½ × 4½	BT	10B
56110	TA2714	4½ × 4½	STP	10B
56149	TA2714	5 × 5		26D
56155	TA2714	5 × 5		26D
67206	TCA2714	4½ × 4		26D
67226	TCA2714	4½ × 4½		26D
69829	RCT2714	4 × 4		10B
71120	TA2714	4½ × 4½	CC6	26D
71469	TA2714	4½ × 4½	CC8	26D
73192	TA2714	4½ × 4½	QC4	26D
73254	TA2714	4½ × 4½	QC6	26D
73312	TA2714	4½ × 4½	QC8	26D
73370	TA2714	4½ × 4½	QC12	26D

Heavy Weight 3K Hinges

SKU	Catalog Number	Size	Options	Finishes
69396	TA386	4½ × 4	NRP	32D
69413	TA386	4½ × 4½		32D
69415	TA386	4½ × 4½	NRP	32D
74956	TA386	5 × 4½	NRP	32D
56400	TA786	4½ × 4		26D
69267	TA786	4½ × 4½		26D
69271	TA786	4½ × 4½		10
69272	TA786	4½ × 4½		10B
69276	TA786	4½ × 4½		15
69278	TA786	5 × 4		15
69279	TA786	5 × 4		26D
69282	TA786	5 × 4½		26D
69297	TA786	5 × 5		26D
70118	TA786	4½ × 4½	ETNRP	26D
75230	HTA786	4½ × 4		26D
75235	TA786	4½ × 4½	NRP	15
75240	TA786	4½ × 4½	NRP	26D