

AKRON HARDWARE™

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McKINNEY

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Knuckle Hinges



Oil Impregnated Bearing (TA)



Ball Bearing (TB)



Plain Bearing

McKinney Products Company provides the non-residential construction industry with a full range of commercial door hinges for every need. McKinney hinges and other door hanging hardware provide solutions for the most highly specialized functions as well as decorative requirements. The broad line and exceptional quality ensure getting exactly the right product for your new or retrofit construction projects.

Features Include:

- **Oil Impregnated Bearing (TA):** One piece, non-ferrous, and selflubricating 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. These are furnished only upon written request to the factory stating that all bearings are to be ball bearings. Standard on institutional hinges, and all hinges over 6". (Factory order only).
- **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. An anti-friction component is provided on all McKinney three knuckle and Moderne (two knuckle) plain bearing hinges.

Recommended Size of Hinges Per Door, Either Wood or Metal

| Door | | Hinge | |
|-----------------------|----------------------|--------------------|-------|
| Thickness Inches (mm) | Width Inches (mm) | Height Inches (mm) | Gauge |
| 1-3/8 (35) | up to 36 (914) | 3-1/2 (89) | .120 |
| 1-3/8 (35) | over 36 (914) | 4 (102) | .130 |
| 1-3/4 (44) | up to 36 (914) | 4-1/2 (114) | *.134 |
| 1-3/4 (44) | 36 – 48 (914 – 1219) | 5 (127) | *.146 |
| 1-3/4 (44) | over 48 (1219) | 6 (152) | *.160 |
| 2 – 2-1/2 (51 – 64) | up to 42 (1067) | 5 (127) | .190 |
| 2 – 2-1/2 (51 – 64) | over 42 (1067) | 6 (152) HW | *.203 |

* Heavy weight hinges should be used on all heavy weight doors or those exposed to high frequency use.

Three Knuckle Hinges

Full Mortise

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

- Plain bearing hinges have an antifriction T bushing at both joints.
- Pin stems 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 half wood screws.
- Hinges are reversible for right or left hand except anchor hinges and certain electric hinges.



Five Knuckle Hinges

Full Mortise

Bearing hinges are furnished with either an oil-impregnated bearing (TA) or ball bearing (TB). (TA is standard unless TB is specified.) Concealed bearings (TCA) are available.

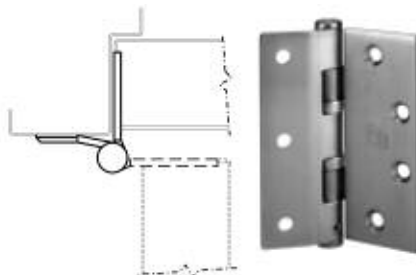
- Pin stems in all non-ferrous bearing hinges are stainless steel.
- Pins in all ferrous hinges are steel.
- Pins in all hinges are non-rising type.
- Pin caps are made of the same material as the hinge.



Half Surface



Half Mortise



Full Mortise Single Action

This nonhanded hinge series has infinite adjustment and tension can be added or reduced by means of a hex key which is provided. Locking screw provides unparalleled tamper-resistance after the proper tension has been set. Two nylon tee bearings for vertical and lateral loads. Coil spring provides closing power.



Pivots, Emergency Stops & Gate Hinges

Double Acting Pivots



EP5-J Center Hinge Pivot Set

Recommended for use on average frequency double acting doors in schools, hospitals, institutions and other public buildings. Not for use on labeled doors and frames.

- Ferrous base pivot set polished and plated.
- Thrust steel ball bearing in bottom pivot, oil impregnated bronze bearing in top pivot.
- Center hung; Mortised into side jamb; Full mortise top pivot
- Non-handed.
- Ferrous material; 15/8" radius heel edge of door.



4007RB Double Acting Gate Pivot Hinge Set

The 4007RB has an exterior tension adjustment which can be adjusted after hinge is applied. Anti-friction bearing to carry the weight of the gate and an antifriction bearing in the top socket which reduces friction and wear. The spring is large enough for heavy duty conditions but the adjustable tension makes it equally suited for light gates.

- For use on wood and metal gates.
- All wood screws.
- Exterior tension adjustment.
- Anti-friction bearings.
- Pintle adjustment with locking device.

DS-6 Emergency Door Stop



Recommended for installation with our EP-5J pivot in schools, hospitals, institutions and other public buildings. This unit allows center hung or 1/8" inset doors to be opened in both directions without damaging the frame.

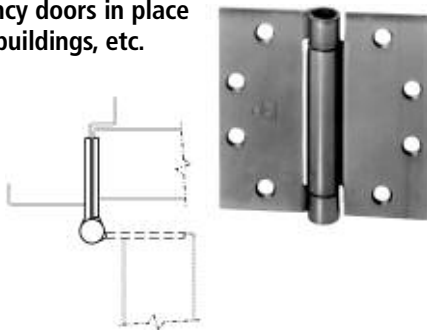
- Bronze material polished and plated, rubber bumper insert encased in high impact ABS plastic case.
- Used to convert double acting doors hung on center pivots to single acting doors.
- Emergency release allows door to swing open in the opposite direction.
- Mortise only on frame.
- Latch releases with a touch of the finger.
- Second touch of lever returns latch to original position.

Spring Hinges, Pivot Hinges, Strike and Stop

1502 Spring Hinge

Recommended for standard weight, medium frequency doors in place of door closers in apartments, hotels, motels, office buildings, etc.

All 1502 and 1552 series standard weight single acting spring hinges are packed with all machine and 1/2 wood screws. For special screws consult price book on availability. This nonhanded hinge series has infinite adjustment and tension can be added or reduced by means of a hex key which is provided. Locking screw provides unparallelled tamper-resistance after the proper tension has been set. Two nylon tee bearings for vertical and lateral loads. Coil spring provides closing power.



3001 / J3001 Double Acting Horizontal Spring Pivot Hinge

Furnished painted or in finely plated finish.

This hinge is equipped with a 90° hold open feature, hardened steel roller bearings and slotted screws that hold in the floor plate to permit easy alignment. It also has adjustable tension and nylon top pivot and socket. Application of attaching plate and hinge to the bottom of door is very simple and requires only a rectangular mortise cut.

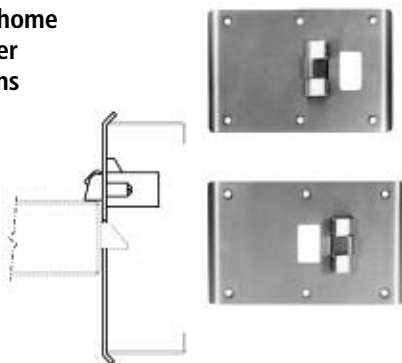
- For use on hollow metal or wood doors in residences, restaurants and other public places.
- All wood screws.
- Optional jamb attaching plate for concrete or tile floor (to order, prefix "J" to number).



CSS-9 Combination Strike and Stop

Recommended for installations on hospital or nursing home toilet doors along with our 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.
- Available in offset or center hung latch bolt location for frame sizes 53/4" and 63/4".
- All Combination Strike and Stops are packed with 1/2 x 8-32 machine screws.



Specialty Hinges

Concealed Circuit Electric Hinge (CC Option)



The McKinney Concealed Circuit Hinge is an intermediate connector which passes a constant flow of current between the source of power (jamb) and the actuated devices in the door (i.e. electric locks, hold open devices, etc.) regardless of door position.

- Available with 2, 3 or 4 circuits
- 1 Amp, 24 Volts maximum each circuit continuous duty, 16.0 Amps intermittent duty (pulse)
- Can be used in conjunction with with CS or MM option on most full mortise hinges
- Electric feature undetectable when hinge is installed

Wire Capacity

- 4 wires - 2 circuits

MCK-12HD Series



The MCK-12HD series is designed for use with doors which are greater than the standard 1-3/4" and up to 2-1/4" thick.

- Designed for use with bi-fold applications to keep the faces of the doors flush.
- Designed for use on retrofit applications and allows for adjustment in order to properly align the lock edge of the door to the frame.
- Special hinge reinforcements are not required. Hollow metal door and frame manufacturers' standard is acceptable. Removal of hinge reinforcements in the door and frame is not advised.

Hinge Size

- 83", 85" - 540 lbs -95" - 620 lbs

MCK-58HD



The MCK-58HD Series is designed for use where pivot point must be centered between the door and frame and are applied to the exposed surface of the door and frame.

Hinge Size

- 83" - 540 lbs



Hinge Reference Tables

| STANLEY | HAGER | MCKINNEY | HINGE DESCRIPTION | COMMON OPTIONS |
|---------|--------|----------|---|----------------------------------|
| F179 | 1279 | T2714 | Full Mortise Steel 5 Knuckle | RC (Round Corner Radius) |
| FBB179 | BB1279 | TA2714 | Full Mortise Steel 5 Knuckle Bearing | NRP (Non-Removable Pin) |
| FBB191 | BB1191 | TA2314 | Full Mortise Non-Ferrous 5 Knuckle Bearing | SSF (Safety Stud Feature) |
| FBB199 | BB1199 | T4A3386 | Full Mortise Non-Ferrous Heavy Weight 5 Knuckle Bearing | CC (Concealed Circuit) |
| 2060 | 1250 | 1502 | Full Mortise Single Acting Spring | TRS (Tamper Resistant Option) |

McKinney offers a wide variety of Electified Hinges with 4, 6, and 8 wires, and now available with the ElectroLynx quick connect advantage.

McKinney offers a wide variety of Continuous Hinges available in Aluminum, Steel and Stainless Steel.



| | Standard Wt. | Heavy Wt. | Bearing | 2-Knuckle | 3-Knuckle | 5-Knuckle | Full Mlse | 1/2-Mlse | 1/2-Surface | Steel | Non-Ferrous |
|----------------|--------------|-----------|---------|-----------|-----------|-----------|-----------|----------|-------------|-------|-------------|
| T714 | * | | | | | * | * | | | * | |
| T2714 | * | | | | | * | * | | | * | |
| T2731 (Handed) | * | | | * | | | * | | | * | |
| T2772 | * | | | | | * | | * | | * | |
| TA314 | * | | * | | * | | * | | | | * |
| TA714 | * | | * | | * | | * | | | * | |
| TA2314 | * | | * | | | * | * | | | | * |
| TA2714 | * | | * | | | * | * | | | * | |
| TA2772 | * | | * | | | * | | * | | * | |
| TA2774 | * | | * | | | * | | * | | * | |
| TA386 | | * | * | | * | | * | | | | * |
| TA786 | | * | * | | * | | * | | | * | |
| T4A3386 | | * | * | | | * | * | | | | * |
| T4A3786 | | * | * | | | * | * | | | * | |

Call our Sales department - toll free - for current pricing on all McKinney products