A Selection of McKinney Hinges including:

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

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.

---

**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.

**Director of Operations:**
Tom Naples, 860-828-7215
tnapes@McKinneyhinge.com

**Profit Center Manager:**
Marc Johnson, 860-828-7253
mjohnson@McKinneyhinge.com

**Technical Product Support:**
Ed Soloski, 860-828-7221
esoloski@McKinneyhinge.com

Visit www.McKinneyhinge.com
Technical References

Recommended Size of Hinges Per Door, Either Wood or Metal

<table>
<thead>
<tr>
<th>Door Thickness</th>
<th>Door Width</th>
<th>Door Height</th>
<th>Door Gauge</th>
</tr>
</thead>
<tbody>
<tr>
<td>In. (mm)</td>
<td>In. (mm)</td>
<td>In. (mm)</td>
<td></td>
</tr>
<tr>
<td>1 1/4 (35)</td>
<td>up to 36” (914)</td>
<td>3 1/2” (89)</td>
<td>.123</td>
</tr>
<tr>
<td>1 1/4 (35)</td>
<td>over 36” (914)</td>
<td>4” (102)</td>
<td>.130</td>
</tr>
<tr>
<td>1 1/4 (44)</td>
<td>up to 36” (914)</td>
<td>4 1/2” (114)</td>
<td>.134</td>
</tr>
<tr>
<td>1 1/2 (44)</td>
<td>36” - 48” (914 - 1219)</td>
<td>5” (127)</td>
<td>.146</td>
</tr>
<tr>
<td>1 1/2 (44)</td>
<td>over 48” (1219)</td>
<td>6” (152)</td>
<td>.160</td>
</tr>
<tr>
<td>2 2/3 (51-64)</td>
<td>up to 42” (1067)</td>
<td>5” (127)</td>
<td>.190</td>
</tr>
<tr>
<td>2 2/3 (51-64)</td>
<td>over 42” (1067)</td>
<td>6” (152) HW</td>
<td>.203</td>
</tr>
</tbody>
</table>

Expected Frequency of Door Operation

<table>
<thead>
<tr>
<th>Door</th>
<th>Expected Daily Cycles</th>
<th>Frequency Yearly</th>
</tr>
</thead>
<tbody>
<tr>
<td>Commercial Store Entrance</td>
<td>5,000</td>
<td>1,500,000</td>
</tr>
<tr>
<td>Office Building Entrance</td>
<td>4,000</td>
<td>1,200,000</td>
</tr>
<tr>
<td>Theatre Entrance</td>
<td>1,000</td>
<td>450,000</td>
</tr>
<tr>
<td>School Entrance</td>
<td>1,250</td>
<td>225,000</td>
</tr>
<tr>
<td>School Restroom Door</td>
<td>1,250</td>
<td>225,000</td>
</tr>
<tr>
<td>Store or Bank Entrance</td>
<td>500</td>
<td>150,000</td>
</tr>
<tr>
<td>Office Building Restroom Door</td>
<td>400</td>
<td>118,000</td>
</tr>
<tr>
<td>School Corridor Door</td>
<td>80</td>
<td>15,000</td>
</tr>
<tr>
<td>Office Building Corridor Door</td>
<td>75</td>
<td>22,000</td>
</tr>
<tr>
<td>Store Restroom Door</td>
<td>60</td>
<td>18,000</td>
</tr>
</tbody>
</table>

Residential

<table>
<thead>
<tr>
<th>Door</th>
<th>Expected Daily Cycles</th>
<th>Frequency Yearly</th>
</tr>
</thead>
<tbody>
<tr>
<td>Entrance</td>
<td>40</td>
<td>15,000</td>
</tr>
<tr>
<td>Restroom Door</td>
<td>25</td>
<td>9,000</td>
</tr>
<tr>
<td>Corridor Door</td>
<td>10</td>
<td>3,600</td>
</tr>
<tr>
<td>Closet Door</td>
<td>6</td>
<td>2,200</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Door Height In. (mm)</th>
<th>Number of Hinges per Door</th>
</tr>
</thead>
<tbody>
<tr>
<td>Up to 60” (1524)</td>
<td>2</td>
</tr>
<tr>
<td>60” to 90” (1524 to 2286)</td>
<td>3</td>
</tr>
<tr>
<td>90” to 120” (2286 to 3048)</td>
<td>4</td>
</tr>
</tbody>
</table>

* 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 continuous hinges 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 4 1/4” (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

<table>
<thead>
<tr>
<th>Hollow Metal Door Weights by Gauge</th>
<th>Lbs. Per Square Foot</th>
</tr>
</thead>
<tbody>
<tr>
<td>20 Gauge</td>
<td>4</td>
</tr>
<tr>
<td>18 Gauge</td>
<td>5</td>
</tr>
<tr>
<td>16 Gauge</td>
<td>6</td>
</tr>
<tr>
<td>14 Gauge</td>
<td>7</td>
</tr>
</tbody>
</table>

NOTE: Weights do not include hardware. Metal and wood door weights are approximate and will vary slightly among door manufacturers.

Door Weights Per Square Foot
Based upon 3’0” x 7’0” Door Size

<table>
<thead>
<tr>
<th>Wood Door Weights by Door Thickness</th>
<th>Lbs. Per Square Foot</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 1/2” door</td>
<td>1 1/8” door</td>
</tr>
<tr>
<td>1 1/2” door</td>
<td>1.3</td>
</tr>
<tr>
<td>Particle/Mineral Core</td>
<td>4.75</td>
</tr>
<tr>
<td>Stave Core Wood</td>
<td>3.75</td>
</tr>
<tr>
<td>Hollow Core Wood</td>
<td>1.3</td>
</tr>
</tbody>
</table>

Lbs. Per Square Foot
McKinney Condensed Catalog

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 plain bearing hinges are stainless steel; stainless steel pins are available
- Decorative tips available
- Standard hinges are packed with all machine by all wood screws

<table>
<thead>
<tr>
<th>Type</th>
<th>Size In. (mm)</th>
<th>Plain Bearing</th>
<th>Standard Weight Bearing</th>
<th>Heavy Weight Bearing</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Gauge Steel</td>
<td>Steel</td>
<td>Steel</td>
</tr>
<tr>
<td></td>
<td></td>
<td>.130 TA2731</td>
<td>.130 TA3331</td>
<td>TA2731</td>
</tr>
<tr>
<td>2</td>
<td>4” x 4” (102 x 102)</td>
<td>.134 TA2731</td>
<td>.134 TA3331</td>
<td>TA2731</td>
</tr>
<tr>
<td></td>
<td>4 1/2” x 4” (114 x 114)</td>
<td>.134 TA2731</td>
<td>.134 TA3331</td>
<td>TA2731</td>
</tr>
<tr>
<td></td>
<td>5” x 4” (127 x 102)</td>
<td>.146 TA2731</td>
<td>.146 TA3331</td>
<td>TA2731</td>
</tr>
<tr>
<td></td>
<td>5” x 4 1/2” (127 x 114)</td>
<td>.146 TA2731</td>
<td>.146 TA3331</td>
<td>TA2731</td>
</tr>
<tr>
<td></td>
<td>5” x 5” (127 x 127)</td>
<td>.146 TA2731</td>
<td>.146 TA3331</td>
<td>TA2731</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Type</th>
<th>Size In. (mm)</th>
<th>Plain Bearing</th>
<th>Standard Weight Bearing</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Gauge Steel</td>
<td>Brass/ Stainless Steel</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>.123 TA714</td>
<td>TA314</td>
</tr>
<tr>
<td></td>
<td></td>
<td>.130 TA714</td>
<td>TA314</td>
</tr>
<tr>
<td></td>
<td></td>
<td>.134 TA714</td>
<td>TA314</td>
</tr>
<tr>
<td></td>
<td></td>
<td>.146 TA714</td>
<td>TA314</td>
</tr>
<tr>
<td></td>
<td></td>
<td>.146 TA714</td>
<td>TA314</td>
</tr>
<tr>
<td></td>
<td></td>
<td>.146 TA714</td>
<td>TA314</td>
</tr>
<tr>
<td></td>
<td></td>
<td>.146 TA714</td>
<td>TA314</td>
</tr>
<tr>
<td></td>
<td></td>
<td>.146 TA714</td>
<td>TA314</td>
</tr>
</tbody>
</table>

When door is beveled on hinge side specify handing required

<table>
<thead>
<tr>
<th>Type</th>
<th>Size In. (mm)</th>
<th>Plain Bearing</th>
<th>Standard Weight Bearing</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>TA5314</td>
<td>TA5714</td>
</tr>
</tbody>
</table>

*Not available in brass
*Not available in stainless steel

© McKinney Products Company 2012
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)
- Ball bearings (TB are an available option)

### Bearing Information

<table>
<thead>
<tr>
<th>Type</th>
<th>Size In. (mm)</th>
<th>Gauge</th>
<th>Steel</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 Knuckle</td>
<td>3½&quot; x 3½&quot; (89 x 89)</td>
<td>.123</td>
<td>T2714</td>
</tr>
<tr>
<td></td>
<td>4&quot; x 4&quot; (102 x 102)</td>
<td>.130</td>
<td>T2714</td>
</tr>
<tr>
<td></td>
<td>4½&quot; x 4&quot; (114 x 114)</td>
<td>.134</td>
<td>T2714</td>
</tr>
<tr>
<td></td>
<td>5½&quot; x 5½&quot; (127 x 127)</td>
<td>.146</td>
<td>T2714</td>
</tr>
<tr>
<td></td>
<td>6&quot; x 6&quot; (152 x 152)</td>
<td>.160</td>
<td>T2714</td>
</tr>
<tr>
<td></td>
<td>8&quot; x 6&quot; (203 x 152)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>8&quot; x 8&quot; (203 x 203)</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

When door is beveled on hinge side specify handing required

- TA2798
- TA2798
- TA2798
- TA2798

<table>
<thead>
<tr>
<th>Type</th>
<th>Size In. (mm)</th>
<th>Gauge</th>
<th>Steel</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 Knuckle</td>
<td>3½&quot; x 3½&quot; (89 x 89)</td>
<td>.123+</td>
<td>TA2314</td>
</tr>
<tr>
<td></td>
<td>4&quot; x 4&quot; (102 x 102)</td>
<td>.130+</td>
<td>TA2314</td>
</tr>
<tr>
<td></td>
<td>4½&quot; x 4&quot; (114 x 114)</td>
<td>.134</td>
<td>TA2314</td>
</tr>
<tr>
<td></td>
<td>5½&quot; x 5½&quot; (127 x 127)</td>
<td>.146+</td>
<td>TA2314</td>
</tr>
<tr>
<td></td>
<td>6&quot; x 6&quot; (152 x 152)</td>
<td>.160+</td>
<td>TA2314</td>
</tr>
<tr>
<td></td>
<td>8&quot; x 6&quot; (203 x 152)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>8&quot; x 8&quot; (203 x 203)</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

When door is beveled on hinge side specify handing required

- TA4314
- TA4714
- TA44786

* Not available in stainless steel
+ Not available in brass
^ 8" x 6" (203 x 152) and 8" x 8" (203 x 203) hinges have six bearings and seven knuckles

### Wide Throw Full Mortise

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

<table>
<thead>
<tr>
<th>Type</th>
<th>Size In. (mm)</th>
<th>Gauge</th>
<th>Steel</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 Knuckle</td>
<td>4½&quot; x 6&quot; (114 x 152)</td>
<td>.134</td>
<td>TA2798</td>
</tr>
<tr>
<td></td>
<td>4½&quot; x 7&quot; (114 x 178)</td>
<td>.134</td>
<td>TA2798</td>
</tr>
<tr>
<td></td>
<td>4½&quot; x 8&quot; (114 x 203)</td>
<td>.134</td>
<td>TA2798</td>
</tr>
<tr>
<td></td>
<td>5&quot; x 7&quot; (127 x 178)</td>
<td>.146</td>
<td>TA2798</td>
</tr>
<tr>
<td></td>
<td>5&quot; x 8&quot; (127 x 203)</td>
<td>.146</td>
<td>TA2798</td>
</tr>
</tbody>
</table>

When door is beveled on hinge side specify handing required

- TA4798
- TA4398
- TA44786

### Bearing Information

<table>
<thead>
<tr>
<th>Type</th>
<th>Size In. (mm)</th>
<th>Gauge</th>
<th>Steel</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 Knuckle</td>
<td>4½&quot; x 6&quot; (114 x 152)</td>
<td>.134</td>
<td>TA2398</td>
</tr>
<tr>
<td></td>
<td>4½&quot; x 7&quot; (114 x 178)</td>
<td>.134</td>
<td>TA2398</td>
</tr>
<tr>
<td></td>
<td>4½&quot; x 8&quot; (114 x 203)</td>
<td>.134</td>
<td>TA2398</td>
</tr>
<tr>
<td></td>
<td>5&quot; x 7&quot; (127 x 178)</td>
<td>.146</td>
<td>TA2398</td>
</tr>
<tr>
<td></td>
<td>5&quot; x 8&quot; (127 x 203)</td>
<td>.146</td>
<td>TA2398</td>
</tr>
</tbody>
</table>

When door is beveled on hinge side specify handing required

- TA4798
- TA4398
- TA44786

### Bearing Information

<table>
<thead>
<tr>
<th>Type</th>
<th>Size In. (mm)</th>
<th>Gauge</th>
<th>Steel</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 Knuckle</td>
<td>4½&quot; x 6&quot; (114 x 152)</td>
<td>.180</td>
<td>TA3786</td>
</tr>
<tr>
<td></td>
<td>4½&quot; x 7&quot; (114 x 178)</td>
<td>.180</td>
<td>TA3786</td>
</tr>
<tr>
<td></td>
<td>4½&quot; x 8&quot; (114 x 203)</td>
<td>.180</td>
<td>TA3786</td>
</tr>
<tr>
<td></td>
<td>5&quot; x 7&quot; (127 x 178)</td>
<td>.190</td>
<td>TA3786</td>
</tr>
<tr>
<td></td>
<td>5&quot; x 8&quot; (127 x 203)</td>
<td>.190</td>
<td>TA3786</td>
</tr>
</tbody>
</table>

When door is beveled on hinge side specify handing required

- TA4798
- TA4398
- TA44786

* Not available in stainless steel
+ Not available in brass
^ 8" x 6" (203 x 152) and 8" x 8" (203 x 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 screws
- Available with Hospital Tips

<table>
<thead>
<tr>
<th>Type</th>
<th>Size In. (mm)</th>
<th>Door Thickness In. (mm)</th>
<th>Steel</th>
<th>Stainless Steel</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 Knuckle</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>5 Knuckle</td>
<td>4½” (114)</td>
<td>1-3/4 (44)</td>
<td>TA2895</td>
<td>TA2395</td>
</tr>
</tbody>
</table>

When door is beveled on hinge side, specify handing required

<table>
<thead>
<tr>
<th>Type</th>
<th>Size In. (mm)</th>
<th>Door Thickness In. (mm)</th>
<th>Steel</th>
<th>Stainless Steel</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 Knuckle</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>5 Knuckle</td>
<td>4½” (114)</td>
<td>1-3/4 (44)</td>
<td>TA2895</td>
<td>TA2395</td>
</tr>
</tbody>
</table>

When door is beveled on hinge side, specify handing required

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

<table>
<thead>
<tr>
<th>Type</th>
<th>Size In. (mm)</th>
<th>Door Thickness In. (mm)</th>
<th>Plain Bearing</th>
<th>Standard Weight Bearing</th>
<th>Heavy Weight Bearing</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 Knuckle</td>
<td>4½” (114)</td>
<td>1-3/4 (44)</td>
<td>–</td>
<td>.134 TA374 TA774</td>
<td>.180 TA384 TA784</td>
</tr>
<tr>
<td>5 Knuckle</td>
<td>4½” (114)</td>
<td>1-3/4 (44)</td>
<td>.134 T2774</td>
<td>TA374 TA774</td>
<td>.180 TA3384 TA3784</td>
</tr>
</tbody>
</table>

When door is beveled on hinge side, specify handing required
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
- 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

<table>
<thead>
<tr>
<th>Type</th>
<th>Size In. (mm)</th>
<th>Gauge</th>
<th>Door Thickness In. (mm)</th>
<th>Steel</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 Knuckle</td>
<td>5” (127)</td>
<td>.190</td>
<td>1½” (44)</td>
<td>TA789</td>
</tr>
</tbody>
</table>

When door is beveled on hinge side, specify handing required

<table>
<thead>
<tr>
<th>Type</th>
<th>Size In. (mm)</th>
<th>Gauge</th>
<th>Door Thickness In. (mm)</th>
<th>Steel</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 Knuckle</td>
<td>5” (127)</td>
<td>.190</td>
<td>1½” (44)</td>
<td>T4A3789</td>
</tr>
</tbody>
</table>

When door is beveled on hinge side, specify handing required

Full Surface 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

<table>
<thead>
<tr>
<th>Type</th>
<th>Size In. (mm)</th>
<th>Stainless Steel</th>
<th>Stainless Steel</th>
<th>Heavy Weight Bearing</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 Knuckle</td>
<td>4½” (114)</td>
<td>TA371</td>
<td>TA771</td>
<td>.134</td>
</tr>
<tr>
<td>5 Knuckle</td>
<td>5” (127)</td>
<td>TA371</td>
<td>TA771</td>
<td>.146</td>
</tr>
<tr>
<td>6” (152)</td>
<td>-</td>
<td>TA2771</td>
<td>TA771</td>
<td>-</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type</th>
<th>Size In. (mm)</th>
<th>Stainless Steel</th>
<th>Stainless Steel</th>
<th>Heavy Weight Bearing</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 Knuckle</td>
<td>4½” (114)</td>
<td>TA2771</td>
<td>TA771</td>
<td>.134</td>
</tr>
<tr>
<td>5 Knuckle</td>
<td>5” (127)</td>
<td>TA2771</td>
<td>TA771</td>
<td>.146</td>
</tr>
<tr>
<td>6” (152)</td>
<td>-</td>
<td>TA2771</td>
<td>TA771</td>
<td>-</td>
</tr>
</tbody>
</table>

*Not available in TCA style

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
- Jamb leaf is surface applied into jamb

<table>
<thead>
<tr>
<th>Type</th>
<th>Size In. (mm)</th>
<th>Gauge</th>
<th>Door Thickness In. (mm)</th>
<th>Steel</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 Knuckle</td>
<td>5” (127)</td>
<td>.190</td>
<td>1½” (44)</td>
<td>TA797</td>
</tr>
</tbody>
</table>

Backplates available (BP-11 Series)
# 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

<table>
<thead>
<tr>
<th>Type</th>
<th>Size In. (mm)</th>
<th>Door Thickness In. (mm)</th>
<th>Plain Bearing</th>
<th>Standard Weight Bearing</th>
<th>Heavy Weight Bearing</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Gauge Steel</td>
<td>Stainless Steel Steel</td>
<td>Gauge Steel Steel</td>
</tr>
<tr>
<td>3 Knuckle</td>
<td>4½&quot; (114)</td>
<td>1¼&quot; (44)</td>
<td>–</td>
<td>–</td>
<td>TA372 TA772</td>
</tr>
<tr>
<td></td>
<td>5&quot; (127)</td>
<td>1¼&quot; (44)</td>
<td>–</td>
<td>–</td>
<td>TA372 TA772</td>
</tr>
<tr>
<td>5 Knuckle</td>
<td>4½&quot; (114)</td>
<td>1¼&quot; (44)</td>
<td>.134 .146</td>
<td>TA3372 TA372</td>
<td>TA796</td>
</tr>
<tr>
<td></td>
<td>5&quot; (127)</td>
<td>1¼&quot; (44)</td>
<td>–</td>
<td>–</td>
<td>TA3372 TA772</td>
</tr>
<tr>
<td></td>
<td>6&quot; (152)</td>
<td>1¼&quot; (44)</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td></td>
<td>6&quot; (152)</td>
<td>2½&quot; (57)</td>
<td>–</td>
<td>–</td>
<td>TA3382 TA3782</td>
</tr>
</tbody>
</table>

* 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
- Jamb leaf is surface applied into jamb

<table>
<thead>
<tr>
<th>Type</th>
<th>Size In. (mm)</th>
<th>Door Thickness In. (mm)</th>
<th>Heavy Weight Bearing</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Gauge Steel</td>
</tr>
<tr>
<td>3 Knuckle</td>
<td>5&quot; (127)</td>
<td>1½&quot; (44)</td>
<td>TA796</td>
</tr>
<tr>
<td>5 Knuckle</td>
<td>5&quot; (127)</td>
<td>1½&quot; (44)</td>
<td>T4A3796</td>
</tr>
</tbody>
</table>

---

# 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

<table>
<thead>
<tr>
<th>Size In. (mm)</th>
<th>Standard Weight Bearing</th>
<th>Heavy Weight Bearing</th>
</tr>
</thead>
<tbody>
<tr>
<td>5&quot; x 4½&quot; (114 x 114)</td>
<td>.146 TA2714</td>
<td>.190 T4A3786</td>
</tr>
<tr>
<td>5&quot; x 4½&quot; (127 x 114)</td>
<td>.146 TA2314</td>
<td>.190 T4A3386</td>
</tr>
</tbody>
</table>
Custom Hinges

Raised Barrel Hinges

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.

- Standard weight raised barrel 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. Specify RB-T4A4714/RB-T4A4314 for doors beveled on hinge side
- Heavy weight raised barrel 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. Specify RB-T4A4786/RB-T4A4386 for doors beveled on hinge side
- Door leaf may be mortised or surface applied
- Reversible Hinge
- Available in QC or CC Electric Hinge Options

<table>
<thead>
<tr>
<th>Size In. (mm)</th>
<th>Standard Weight Bearing</th>
<th>Heavy Weight Bearing</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Gauge</td>
<td>Steel</td>
</tr>
<tr>
<td>45/8&quot; x 45/8&quot; (114 x 114)</td>
<td>.134</td>
<td>RB-TA2714</td>
</tr>
</tbody>
</table>

Slip-In Hinge: Type 1 and Type 2

Recommended for use on average frequency and/or medium weight aluminum doors with aluminum frames in schools, hospitals and other public buildings where medium traffic is experienced.

Type 1
- One leaf has standard punching and countersinking and the other leaf is drilled and tapped so it can be inserted through a slot in the door or frame
- Both leaves are specially swaged to provide 3/16" clearance between leaves when parallel
- Hinges are handed - Indicate hand when ordering
- Packed with wood and machine screws

Type 2
- 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

<table>
<thead>
<tr>
<th>Type</th>
<th>Size In. (mm)</th>
<th>Standard Weight Bearing</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>45/8&quot; x 4&quot; (114 x 102)</td>
<td>.134</td>
</tr>
<tr>
<td></td>
<td>45/8&quot; x 45/8&quot; (114 x 114)</td>
<td>.134</td>
</tr>
<tr>
<td>2</td>
<td>45/8&quot; x 4&quot; (114 x 102)</td>
<td>.134</td>
</tr>
<tr>
<td></td>
<td>45/8&quot; x 45/8&quot; (114 x 114)</td>
<td>.134</td>
</tr>
</tbody>
</table>
**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

<table>
<thead>
<tr>
<th>Size In. (mm)</th>
<th>Plain Bearing</th>
<th>Standard Weight Bearing</th>
<th>Heavy Weight Bearing</th>
</tr>
</thead>
<tbody>
<tr>
<td>4⅝&quot; x 4&quot; (114 x 102)</td>
<td>.134 MP79</td>
<td>.134 MPB99</td>
<td>.180 MPB99</td>
</tr>
<tr>
<td>4⅝&quot; x 4⅞&quot; (114 x 114)</td>
<td>.134 MP79</td>
<td>.134 MPB99</td>
<td>.180 MPB68</td>
</tr>
</tbody>
</table>

### MacPro Spring Hinge Series

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

<table>
<thead>
<tr>
<th>Size In. (mm)</th>
<th>Heavy Weight Bearing</th>
</tr>
</thead>
<tbody>
<tr>
<td>4⅝&quot; x 4⅛&quot; (102 x 102)</td>
<td>.134 MPS60</td>
</tr>
<tr>
<td>4⅝&quot; x 4⅞&quot; (102 x 102)</td>
<td>.134 MPB679 Set+</td>
</tr>
</tbody>
</table>

+ 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

<table>
<thead>
<tr>
<th>Size In. (mm)</th>
<th>Heavy Weight Bearing</th>
</tr>
</thead>
<tbody>
<tr>
<td>4⅝&quot; x 4⅞&quot; (127 x 102)</td>
<td>.180 SP3886</td>
</tr>
<tr>
<td>5&quot; x 4⅝&quot; (127 x 102)</td>
<td>.180 SP3886</td>
</tr>
</tbody>
</table>

StormPro® Tornado resistant hinges should be specified and ordered as a complete integrated unit including the frame and door along with other StormPro® 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 x 4, 4.5 x 4, 4.5 x 4.5, 5 x 5 sizes available
- Electrified options available
  - ElectroLynx® quick connect
  - Concealed circuit
- Two knuckle are handed
- Three knuckle are non-handed

Tips
- 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

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

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.

<table>
<thead>
<tr>
<th>Number of Hinges Required per Door</th>
<th>Maximum Door Size Ft. (mm)</th>
<th>Maximum Door Size Lbs. (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>3’0” x 7’0” (914 x 2134)</td>
<td>150 (68)</td>
</tr>
<tr>
<td>3</td>
<td>3’0” x 7’0” (914 x 2134)</td>
<td>250 (113)</td>
</tr>
<tr>
<td>4</td>
<td>4’0” x 7’0” (1219 x 2134)</td>
<td>350 (159)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Size of Wood Screws</th>
<th>Gauge</th>
<th>Each per Box</th>
<th>Size of Machine Screws</th>
</tr>
</thead>
<tbody>
<tr>
<td>1½” x 12</td>
<td>.187</td>
<td>3</td>
<td>⅛ x 12-24</td>
</tr>
</tbody>
</table>
Security Hinges
Full Mortise Institutional

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” x 4 1/2” (127 x 114) three knuckle full mortise heavy weight hinges. Anchor sets are handed.

- One piece non-removable pin is held intact by the insertion of two sets of dowels held in double shear 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)
- Ball bearings are supplied as a standard on institutional hinges

<table>
<thead>
<tr>
<th>Size, In. (mm)</th>
<th>Gauge Diameter</th>
<th>Outside Diameter</th>
<th>Stud Projection</th>
<th>Stud</th>
<th>Steel Hinges</th>
<th>Stainless Steel Hinges</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 1/2” x 4 1/2” (114 x 114)</td>
<td>.180</td>
<td>.720 (18)</td>
<td>7/16 (11.1)</td>
<td>1/8” (12.7)</td>
<td>HTB786</td>
<td>HTB8386 (32D)</td>
</tr>
<tr>
<td>4 1/2” x 4 1/2” (114 x 114)</td>
<td>.180</td>
<td>.720 (18)</td>
<td>7/16 (11.1)</td>
<td>1/8” (12.7)</td>
<td>HTB786 PSF</td>
<td>HTB8386 PSF (32D)</td>
</tr>
</tbody>
</table>

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” x 4 1/2” (127 x 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

<table>
<thead>
<tr>
<th>Type</th>
<th>Size, In. (mm)</th>
<th>Gauge</th>
<th>Application</th>
<th>Square Edge Door</th>
<th>Beveled Edge Door</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 Knuckle</td>
<td>5” x 4” (127 x 114)</td>
<td>.190</td>
<td>Anchor plate for top of door only</td>
<td>TA791 TA391</td>
<td>TA5791 TA5391</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Anchor plate for top of door and frame header</td>
<td>TA792 TA392</td>
<td>TA5792 TA5392</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Anchor plate for frame header only</td>
<td>TA793 TA393</td>
<td>TA5793 TA5393</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Anchor plate for top of door and frame header</td>
<td>TA794* TA394*</td>
<td>TA5794* TA5394*</td>
</tr>
</tbody>
</table>

*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.
Rescue Hardware

Jamb Mount Pivot Set: 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 1/4" (6) vertical adjustment. Bottom door pivot has an anti-friction bearing unit and rounded corners. Pivot point 1 1/4" (32) from jamb. Full mortise only on jambs and door.

- Made from .095 gauge brass
- Polished and plated
- Available in center hung or offset
- For frame size 5 3/4" (146) and 6 3/4" (171)
- Supplied with six each 1/4" x 8" machine screws
- Other sizes available upon request

<table>
<thead>
<tr>
<th>Number</th>
<th>Maximum Door Weight, Lbs. (kg)</th>
<th>Maximum Door Size Ft. (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EP5-J Jamb Mounted Pivot</td>
<td>up to 125 (57)</td>
<td>3'6&quot; x 8'0&quot; (1067 x 2438)</td>
</tr>
</tbody>
</table>

Combination Strike and Stop: CSS-9

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 1/2 x 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

<table>
<thead>
<tr>
<th>Number</th>
<th>Size of Surface Plates In. (mm)</th>
<th>Screws</th>
</tr>
</thead>
<tbody>
<tr>
<td>DS-6</td>
<td>4 1/4&quot; x 3 1/2&quot; (114 x 41)</td>
<td>1/8&quot; x 12-24</td>
</tr>
</tbody>
</table>

Double Lipped Strike: DLS-8

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

- Made from .095 gauge brass
- Polished and plated
- Available in center hung or offset
- For frame size 5 3/4" (146) and 6 3/4" (171)
- Supplied with six each 1/4" x 8" machine screws
- Other sizes available upon request
Spring Hinges
Full Mortise Single Acting

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.

- 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
- 1502 Now available in reverse action, specify 1502R
- Consult the factory for the TRS security option

<table>
<thead>
<tr>
<th>Size In. (mm)</th>
<th>Gauge</th>
<th>Door Thickness In. (mm)</th>
<th>Single Hinge Set</th>
<th>Single Hinge</th>
</tr>
</thead>
<tbody>
<tr>
<td>4&quot; x 4&quot; (102 x 102)</td>
<td>.130</td>
<td>1\³⁄₄ (44)</td>
<td>1502 (Full Mortise)</td>
<td>...</td>
</tr>
<tr>
<td>4\³⁄₄&quot; x 4&quot; (114 x 102)</td>
<td>.134</td>
<td>1\³⁄₄ (44)</td>
<td>1502 (Full Mortise)</td>
<td>1522 (Set of 2)</td>
</tr>
<tr>
<td>4\³⁄₄&quot; x 4\³⁄₄&quot; (114 x 114)</td>
<td>.134</td>
<td>1\³⁄₄ (44)</td>
<td>1502 (Full Mortise)</td>
<td>1552 (Full Mortise)</td>
</tr>
<tr>
<td>4\³⁄₄&quot; (114)</td>
<td>.134</td>
<td>1\³⁄₄ (44)</td>
<td>1572 (Half Mortise)</td>
<td>...</td>
</tr>
</tbody>
</table>

Applications

- 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" x 4\³⁄₄" (152 x 114)
- 8" (203) 9001 is designed for use on wood or heavy doors of metal construction
- 8" (203) 19001 is designed for use on trucking doorways

<table>
<thead>
<tr>
<th>Hinge</th>
<th>Size, In. (mm)</th>
<th>Maximum Door Size and Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 Hinges Per Door</td>
<td>Door Width, Ft.</td>
<td>Weight, Lbs. (kg)</td>
</tr>
<tr>
<td>1001 3&quot; (76)</td>
<td>2\³⁄₄ to 2\³⁄₄ (19 to 25)</td>
<td>2\³⁄₄ (610)</td>
</tr>
<tr>
<td>1001 4&quot; (102)</td>
<td>2\³⁄₄ to 1\³⁄₄ (22 to 32)</td>
<td>2\³⁄₄ (711)</td>
</tr>
<tr>
<td>1001 5&quot; (127)</td>
<td>1\³⁄₄ to 1\³⁄₄ (29 to 38)</td>
<td>2\³⁄₄ (813)</td>
</tr>
<tr>
<td>1001 6&quot; (152)</td>
<td>1\³⁄₄ to 1\³⁄₄ (32 to 44)</td>
<td>2\³⁄₄ (813)</td>
</tr>
<tr>
<td>1001 6&quot; x 4\³⁄₄&quot;</td>
<td>1\³⁄₄ (44) (152 x 114)</td>
<td>2\³⁄₄ (813)</td>
</tr>
</tbody>
</table>

- 3Hinges Per Door | Door Width, Ft. | Weight, Lbs. (kg) |
| 9001 8" (203) | 1\³⁄₄ to 2 (38 to 51) | 3\³⁄₄ (1067) | 100 (45) |
| 9001 8" (203) | 1\³⁄₄ (44) | 3\³⁄₄ (1067) | 100 (45) |
| 19001 8" (203) | 1\³⁄₄ (44) | 3\³⁄₄ (1067) | 100 (45) |
Full Mortise Electric Hinges

**ElectroLynx® Hinge (QC option)**

Features concealed plug connectors that eliminate the need for separate or exposed wiring.

- The QC option is available on standard and heavy weight full mortise bearing hinges as well as swing clear and wide throw hinges.
- 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

<table>
<thead>
<tr>
<th>Actual Cable Length</th>
<th>12 Conductor and Molex both ends</th>
<th>12 Conductor and Molex one end, pinned one end</th>
<th>Typical Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>3’</td>
<td>QC-C003</td>
<td>QC-C003P</td>
<td>Between hinge and the end of an exit device.</td>
</tr>
<tr>
<td>6’</td>
<td>QC-C006</td>
<td>QC-C006P</td>
<td>Between hinge and through the door to the lockset or exit device trim.</td>
</tr>
<tr>
<td>12’</td>
<td>QC-C012</td>
<td>QC-C012P</td>
<td>From the hinge location, up the jamb to above the ceiling, or up and around full lite or half lite metal door.</td>
</tr>
<tr>
<td>26’</td>
<td>QC-C200</td>
<td>QC-C200P</td>
<td></td>
</tr>
<tr>
<td>32’</td>
<td>QC-C206</td>
<td>QC-C206P</td>
<td></td>
</tr>
<tr>
<td>38’</td>
<td>QC-C300</td>
<td>QC-C300P</td>
<td></td>
</tr>
<tr>
<td>44’</td>
<td>QC-C306</td>
<td>QC-C306P</td>
<td></td>
</tr>
<tr>
<td>50’</td>
<td>QC-C400</td>
<td>QC-C400P</td>
<td></td>
</tr>
<tr>
<td>15’ 2’</td>
<td>QC-C1500</td>
<td>QC-C1500P</td>
<td></td>
</tr>
</tbody>
</table>

### ElectroLynx® Power over Ethernet Hinges

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 hardware. PoE data is bidirectional.

- 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.
- 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 exceeded.
- All PoE hinges are factory tested and specially packaged to minimize damage during shipment.
- 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.

**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. ElectroLynx® is a registered trademark of ASSA ABLOY Inc.
36. Hinges
Stainless steel butt hinges

High quality stainless steel butt hinges.

Specifications:
- Butt hinge with ball bearings
- Stainless steel AISI 304
- Square corners
- Can be used on doors up to 120 kg

Features:
- CE marked
- Tested to EN 1935:2002 class 13
- Fire tested to EN1634-1:2014
- Available in satin and polished stainless steel and PVD finishes

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2BB403030-SSS</td>
<td>Set of butt hinges 4” x 3” x 3 mm (101 x 76 x 3 mm) - Satin stainless steel</td>
</tr>
<tr>
<td>2BB403530-SSS</td>
<td>Set of butt hinges 4” x 3.5” x 3 mm (101 x 89 x 3 mm) - Satin stainless steel</td>
</tr>
<tr>
<td>2BB404030-SSS</td>
<td>Set of butt hinges 4” x 4” x 3 mm (101 X 101 X 3mm) - Satin stainless steel</td>
</tr>
<tr>
<td>2BB454030-SSS</td>
<td>Set of butt hinges 4.5” x 3.5” x 3mm (114 X 101 X 3 mm) - Satin stainless steel</td>
</tr>
<tr>
<td>2BB454530-SSS</td>
<td>Set of butt hinges 4.5” x 4.5” x 3mm (114 X 114 X 3 mm) - Satin stainless steel</td>
</tr>
<tr>
<td>2BB454035-SSS</td>
<td>Set of butt hinges 4.5” x 4” x 3.5 mm (114 X 101 X 3.5 mm) - Satin stainless steel</td>
</tr>
<tr>
<td>2BB454535-SSS</td>
<td>Set of butt hinges 4.5” x 4.5” x 3.5mm (114 X 114 X 3.5 mm) - Satin stainless steel</td>
</tr>
<tr>
<td>2BB403030-PSS</td>
<td>Set of butt hinges 4” x 3” x 3 mm (101 x 76 x 3 mm) - Polished stainless steel</td>
</tr>
<tr>
<td>2BB403530-PSS</td>
<td>Set of butt hinges 4” x 3.5” x 3 mm (101 x 89 x 3 mm) - Polished stainless steel</td>
</tr>
<tr>
<td>2BB404030-PSS</td>
<td>Set of butt hinges 4” x 4” x 3 mm (101 X 101 X 3mm) - Polished stainless steel</td>
</tr>
<tr>
<td>2BB454030-PSS</td>
<td>Set of butt hinges 4.5” x 3.5” x 3mm (114 X 101 X 3 mm) - Polished stainless steel</td>
</tr>
<tr>
<td>2BB454530-PSS</td>
<td>Set of butt hinges 4.5” x 4.5” x 3mm (114 X 114 X 3 mm) - Polished stainless steel</td>
</tr>
<tr>
<td>2BB454035-PSS</td>
<td>Set of butt hinges 4.5” x 4” x 3.5 mm (114 X 101 X 3.5 mm) - Polished stainless steel</td>
</tr>
<tr>
<td>2BB454535-PSS</td>
<td>Set of butt hinges 4.5” x 4.5” x 3.5mm (114 X 114 X 3.5 mm) - Polished stainless steel</td>
</tr>
<tr>
<td>2BB403030-PVD</td>
<td>Set of butt hinges 4” x 3” x 3 mm (101 x 76 x 3 mm) - PVD</td>
</tr>
<tr>
<td>2BB403530-PVD</td>
<td>Set of butt hinges 4” x 3.5” x 3 mm (101 x 89 x 3 mm) - PVD</td>
</tr>
<tr>
<td>2BB404030-PVD</td>
<td>Set of butt hinges 4” x 4” x 3 mm (101 X 101 X 3mm) - PVD</td>
</tr>
<tr>
<td>2BB454030-PVD</td>
<td>Set of butt hinges 4.5” x 3.5” x 3mm (114 X 101 X 3 mm) - PVD</td>
</tr>
<tr>
<td>2BB454530-PVD</td>
<td>Set of butt hinges 4.5” x 4.5” x 3mm (114 X 114 X 3 mm) - PVD</td>
</tr>
<tr>
<td>2BB454035-PVD</td>
<td>Set of butt hinges 4.5” x 4” x 3.5 mm (114 X 101 X 3.5 mm) - PVD</td>
</tr>
<tr>
<td>2BB454535-PVD</td>
<td>Set of butt hinges 4.5” x 4.5” x 3.5mm (114 X 114 X 3.5 mm) - PVD</td>
</tr>
</tbody>
</table>
Pivot and Pivot Sets

Architectural Solutions for Durable and Efficient Hanging of Doors
Pivot sets provide the best possible means of hanging a door. They are designed to work with the laws of physics to provide long-lasting performance and reliability.

- The weight of the door is supported at the bottom by the floor
  - Uses principles of gravity to its advantage
  - Door swings with less resistance
  - Heavier doors can be accommodated
- Reduced stress on frame
  - Fasteners are in shear, not tension
  - Eliminates door sag
  - Vertically adjustable
- Heavy-duty hardened steel spindles
  - Thrust bearing supports vertical load
  - Needle bearings and bushings for lateral force
  - Extra heavy-duty models also have an additional surface applied thrust bearing to handle heavier or high-traffic doors
- Offset pivots provide better weight distribution and can accommodate taller doors
- Intermediate pivots are used for alignment and to ensure proper installation of bottom pivot or floor closer
- Center hung pivots are used for aesthetics or if the pivot point is going to be moved nearer the lock edge of the door
  - PIVOTS DO NOT RETURN DOORS TO CENTER. Pivots in this section are for door hanging means only. For door control see door closer catalog sections.
1. OFFSET VS. CENTER HUNG APPLICATION

**3/4" Offset**
Pivot point located 3/4" from the heel edge of the door and 3/4" from face of door.

**1-1/2" Offset**
Pivot point located 3/4" from the heel edge of the door and 1-1/2" from face of door. Extended offsets should be used when there is cladding on the face of door or trim on the frame.

**Center Hung**
Pivot point centered in thickness of door.

2. SIZE OF DOOR (WIDTH, HEIGHT, THICKNESS)

<table>
<thead>
<tr>
<th>DOOR MATERIAL</th>
<th>1-3/4&quot;</th>
<th>2-1/4&quot;</th>
<th>3&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hollow Metal</td>
<td>0.5</td>
<td>7</td>
<td></td>
</tr>
<tr>
<td>Solid Core Wood</td>
<td>7</td>
<td>9</td>
<td>11.5</td>
</tr>
<tr>
<td>Aluminum/Glass Storefront</td>
<td>3.5</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Bullet Resistant</td>
<td>20</td>
<td>21</td>
<td></td>
</tr>
<tr>
<td>MDF</td>
<td>7</td>
<td>9</td>
<td>11.5</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>TEMPERED GLASS</th>
<th>3/8&quot;</th>
<th>1/2&quot;</th>
<th>3/4&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glass Thickness</td>
<td>5</td>
<td>7</td>
<td>9.75</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>LEAD LINING</th>
<th>1/16&quot;</th>
<th>1/8&quot;</th>
<th>1/4&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lead Thickness</td>
<td>5</td>
<td>8</td>
<td>9.75</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>3/4&quot; CLADDING</th>
<th>Wood</th>
<th>Stone</th>
<th>Bronze</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLADDING MATERIAL</td>
<td>3</td>
<td>10.5</td>
<td>28</td>
</tr>
</tbody>
</table>

Example: 3/6 X 8/0 X 1 1/2" Tempered Glass Door
Door: 28sq ft x 7lb. /sq ft = 196lbs
For doors of other sizes, consult factory

2. SIZE OF DOOR (WIDTH, HEIGHT, THICKNESS)

<table>
<thead>
<tr>
<th>Application</th>
<th>Daily Cycles</th>
<th>Yearly Cycles</th>
</tr>
</thead>
<tbody>
<tr>
<td>Large department store entrance</td>
<td>5,000</td>
<td>1,500,000</td>
</tr>
<tr>
<td>Large office building entrance</td>
<td>4,000</td>
<td>1,200,000</td>
</tr>
<tr>
<td>Theater entrance</td>
<td>1,000</td>
<td>365,000</td>
</tr>
<tr>
<td>School entrance</td>
<td>1,250</td>
<td>225,000</td>
</tr>
<tr>
<td>School restroom door</td>
<td>1,250</td>
<td>225,000</td>
</tr>
<tr>
<td>Store or bank entrance</td>
<td>500</td>
<td>150,000</td>
</tr>
<tr>
<td>Office building restroom door</td>
<td>400</td>
<td>118,000</td>
</tr>
<tr>
<td>School corridor door</td>
<td>80</td>
<td>15,000</td>
</tr>
<tr>
<td>Office building corridor door</td>
<td>75</td>
<td>22,000</td>
</tr>
<tr>
<td>Store restroom door</td>
<td>60</td>
<td>18,000</td>
</tr>
<tr>
<td>Residential entrance door</td>
<td>40</td>
<td>13,000</td>
</tr>
<tr>
<td>Residential restroom door</td>
<td>25</td>
<td></td>
</tr>
<tr>
<td>Residential hallway door</td>
<td>10</td>
<td>3,600</td>
</tr>
<tr>
<td>Residential closet door</td>
<td>6</td>
<td>2,200</td>
</tr>
</tbody>
</table>

Example: 3/0 X 7/0 X 1-3/4" WD X 1/4" Lead lining
Door: 21sq ft x 7lb. /sq ft = 147lbs
Lead Lining: 9.75 = 204.75lbs
Total Door weight: 351.75lbs

For doors of other sizes, consult factory.
PIVOTS AND PIVOT SETS
OPTIONS

Fire Rated – Prefix F
Pivots for fire rated doors (up to 3 hours) include a steel top pivot and must have additional steel intermediate pivots. For F519 pocket pivot, door assemblies must have been tested with pocket pivots.

Twenty-minute label – Suffix - 20
This UL rating is for 20-minute assemblies. Product with this rating has an authorized label.

Handing
All offset pivots and pivot sets are handed. Suffix RH or LH.

Extended Spindle – Suffix extra length needed
Any special coverings or severe door undercuts will affect the spindle height. In these applications, an extended spindle may be required. Most standard spindle heights accommodate door undercuts up to 1/2”. Extended spindles available in 1/2” increments up to 2” longer than standard. See template.

1-1/2” Offset – Suffix 1-1/2
Offset is the distance from the face of the door to the pivot point. Extended offsets should not be used unless there is cladding on the face of the door or there is trim to clear on the frame. 1-1/2” offset arms and pivots are for doors with cladding or trim that project 3/4” from the face of the door. The greater the offset the less weight can be carried by the pivot.

Less Top Pivot – Suffix LTP
For conditions requiring special top pivots or for arch top doors, the pivot set should be ordered less top pivot – LTP. For offset installations, an additional load bearing intermediate (side jamb) M190 pivot is required. All intermediate pivots for that opening should be M190’s, not M19’s.

Special Layouts – Suffix SPLO#
Unique installations or specially engineered products are called special layouts. These numbers must be assigned by the technical support department and they must be called out specifically by their number when ordering.

Door Thickness – Suffix 1-3/4”, 2”, 2-1/4”, 2-1/2” or 3”
When ordering L series pivot for lead-lined doors, the thickness of the door must be given. The purpose of the L product is to have screws spaced so they straddle the lead in the center of the door. Also used when lead lining is under the skins of the door. Recommended for use on extra heavy or high traffic doors.

ElectroLynx® Connectors – Suffix QC – Number of Wires
The plug-in connectors, with easy color coded wire system, eliminate matching wires. Must be used with ASSA ABLOY doors, frames and hardware. Available 4, 6, 8 or 12 wires for most products.

CERTIFICATIONS

All Rixson® pivots and pivot sets are in compliance with ANSI/BHMA A156.4 Standards. See individual products for sub sections.

LIMITED WARRANTY

Rixson pivot sets are warranted for 2 years for defect. See Rixson Price Book for specific details of the limited warranty.

SPECIFICATIONS

All pivots and pivot sets shall be of one manufacturer. All heavy-duty pivots shall have a minimum of 2 bearings internal to the bottom pivot. One shall be a thrust bearing and the other a needle bearing. Separate bearing surfaces shall be in the top pivot. Lead-lined door units and high traffic pivots shall have additional thrust bearing. Fire rated pivot sets shall have steel top pivots. Fire rated doors require steel intermediate pivots.
PIVOTS AND PIVOT SETS
OFFSET HUNG

MODEL 117-1/4

Application
- Interior Doors
- Weight to 250 lbs.*
- Door Width up to 3’6” (1067mm)
- Handed

Product Description & Features
- Standard top pivot 180 included
- 119 intermediate pivot recommended (order separately); see page 18
- Bottom pivot mortised into side jamb
- Not available for fire-rated doors
- Non-ferrous base material
- Doors 60’ (1524mm) to 90’ (2286mm) in height should use one intermediate pivot. Each additional 30’ (762mm) of door height warrants another intermediate pivot
- 3/4” (19mm) offset (measured from centerline of pivot to face of door)
- Door edges must be beveled 1/8” in 2”
- Weight of door borne by floor
- Furnished with wood and machine screws
- Extended spindles available in 1/2” (13mm) increments up to 2” (51mm) longer than standard

Technical Information
Frame stop required

ANSI /C07172

* Door size & weight guidelines are determined using the appropriate number of intermediate pivots

MODEL 117

Application
- Interior Doors
- Weight to 300 lbs.*
- Door Width up to 3’6” (1067mm)
- Handed

Product Description & Features
- Standard top pivot 180 included
- 119 intermediate pivot recommended (order separately); see page 18
- Bottom pivot mortised into floor
- Available for fire door assemblies up to three hours – specify F117. Intermediate pivot required by UL. Specify FM19, (order separately), see page 18
- For 20-minute label suffix “–20” to the part number
- Non-ferrous base material
- Doors up to 90” (2286mm) in height should use one intermediate pivot. Each additional 30” (762mm) of door height warrants another intermediate pivot
- 3/4” (19mm) offset (measured from centerline of pivot to face of door)
- Available for 1-1/2” (38mm) offset (door weight 150 lbs) for doors with cladding or frame molding.
- Door edges must be beveled 1/8” in 2”
- Furnished with wood and machine screws
- Extended spindles available in 1/2” (13mm) increments up to 2” (51mm) longer than standard
- Doors will swing 180°, trim permitting

Technical Information
Frame stop required

ANSI/C07162/C07202

* Door size & weight guidelines are determined using the appropriate number of intermediate pivots
PIVOTS AND PIVOT SETS
OFFSET HUNG

MODEL L147

Application
- Exterior or Interior Doors
- Lead-Lined/Heavy/High Traffic Doors
- Weight to 800 lbs.
- Door Width up to 4’0” (1219mm)

Handed

Product Description & Features
- Standard top pivot L180 included
- ML19 intermediate pivot required (order separately), see page 19
- Bottom pivot mounts directly to floor
- Doors with lead lining under the skin should also use this product.
- Screw holes in top pivot and bottom arm spaced to straddle lead lining in the middle of the door
- Available for fire door assemblies up to three hours for 1-3/4” (44mm) doors only (ferrous material) – specify FL147. Intermediate pivot required by UL. Specify FML19 (order separately), see page 19
- For 20-minute label suffix “-20” to the part number
- Non-ferrous base material
- Doors 60” (1524mm) to 90” (2286mm) in height should use one intermediate pivot. Each additional 30” (762mm) of door height warrants another intermediate pivot
- Available to accommodate lead in door thicknesses 1-3/4” (44mm), 2” (51mm), 2-1/4” (57mm), 2-1/2” (64mm), or 3” (76mm) – specify when ordering
- 3/4” (19mm) offset (measured from centerline of pivot to face of door)
- Door edges must be beveled 1/8” in 2”
- Furnished with wood and machine screws
- Extended spindles available in 1/2” (13mm) increments up to 2” (51mm) longer than standard
- Doors will swing 180°, trim permitting

Technical Information
Frame stop required
PIVOTS AND PIVOT SETS
OFFSET HUNG

MODEL L117

Application
- Exterior or Interior Doors
- Lead-Lined/Heavy/High Traffic Doors
- Weight to 1,750 lbs.*
- Door Width up to 4'0" (1219mm)
- Handed

Product Description & Features
- Standard top pivot L180 included
- ML19 intermediate pivot required (order separately), see page 19
- Bottom pivot mortised into floor
- Available for fire door assemblies up to three hours (ferrous material). Specify FL117. Intermediate pivot required by UL. Specify FML19 (order separately), see page 19. Note: UL listing for 1-3/4" thick doors only
- Available to accommodate lead in door thicknesses 1-3/4" (44mm), 2" (51mm), 2-1/4" (57mm), 2-1/2" (64mm), or 3" (76mm) – specify when ordering
- Additional thrust bearing for greater load capacity
- Doors 60" (1524mm) to 90" (2286mm) in height should use one intermediate pivot. Each additional 30" (762mm) of door height warrants another intermediate pivot
- For 20-minute label suffix “–20” to the part number
- Non-ferrous base material for top pivot
- 3/4" (19mm) offset (measured from centerline of pivot to face of door)
- Door edges must be beveled in 1/8" in 2"
- Furnished with wood and machine screws
- Extended spindles available in 1/2" (13mm) increments up to 2" (51mm) longer than standard
- Doors will swing 180°, trim permitting

Technical Information
Frame stop required

* Door size & weight guidelines are determined using the appropriate number of intermediate pivots

ANSI/C07111

Pivot for 1-3/4" door shown
PIVOTS AND PIVOT SETS
OFFSET HUNG TOP PIVOTS

MODEL 180

Application
• Full Mortise
• Non-handed

Product Description & Features
• Standard top pivot for most offset pivot sets and floor closers
• Oil-impregnated sintered bronze bushing
• Non-ferrous base material
• Available for fire door assemblies (ferrous material) – specify F180 or FH180
• For 20-minute label suffix “-20” to the part number
• 3/4" (19mm) offset (measured from centerline of pivot to face of door)
• Available for 1-1/2" (38mm) offset
• Furnished with wood and machine screws
• Available with longer than standard pivot pins. Increments are 1/4" (6mm), 1/2" (13mm), 3/4" (19mm) only
• For extra wide or high traffic, prefix “H” – H pivots have heavy-duty needle bearings; available in 1-1/2" (38mm) offset

Technical Information
Frame stop required

MODEL 180 X 102

Application
• Full Mortise
• Non-handed

Product Description & Features
• Special top pivot for doors in deep reveals or unusual door details where one leaf is too long for the normal door or frame portion
• Oil-impregnated sintered bronze bushings
• Non-ferrous base metal
• Available for 1-1/2" (38mm) offset
• May be inverted
• Furnished with wood and machine screws
• Available with longer than standard pivot pins. Increments are 1/4" (6mm), 1/2" (13mm), 3/4" (19mm) only

Technical Information
Frame stop required
MODEL 119

Application
- Full Mortise
- Handed

Product Description & Features
- Not load-bearing
- Maintains door alignment
- Available 3/4" (19mm) offset only
- Non-ferrous base material
- Doors 60" (1524mm) to 90" (2286mm) in height should use one intermediate pivot. Each additional 30" (762mm) of door height warrants another intermediate pivot
- Door edges must be beveled in 1/8" in 2"
- Used with 117, 117-1/4, 195 pivot sets and 127 and 427 floor closers
- Furnished with wood and machine screws

Technical Information

ANSI/C07382

MODEL M19

Application
- Full Mortise
- Handed

Product Description & Features
- Not load-bearing
- Maintains door alignment
- Aids in installing floor closers and bottom pivots
- For 20-minute label suffix “–20” to the part number
- Non-ferrous base metal
- 3/4" (19mm) offset
- Available for 1-1/2" (38mm) offset
- Available for fire door assemblies (ferrous material) – specify FM19
- Doors 60" (1524mm) to 90" (2286mm) in height should use one intermediate pivot. Each additional 30" (762mm) warrants another intermediate pivot
- Door edges must be beveled in 1/8" in 2"
- Furnished with wood and machine screws

Technical Information

ANSI/C07321/C07371

MODEL M190

Application
- Heavy-Duty Full Mortise
- Handed

Product Description & Features
Used when frame condition does not allow standard top pivot
- Lateral load-bearing
- Maintains door alignment
- Aids in installing floor closers and bottom pivots
- Heavy-duty needle bearing
- Non-ferrous base metal
- 3/4" (19mm) offset standard
- Available for 1-1/2" (38mm) offset
- Available for fire door assemblies (ferrous material) – specify FM190
- For 20-minute label suffix “–20” to part number
- Doors 60" (1524mm) to 90" (2286mm) in height should use one intermediate pivot. Each additional 30" (762mm) warrants another intermediate pivot
- Door edges must be beveled in 1/8" in 2"
- Furnished with wood and machine screws

Technical Information

ANSI/C07321/C07371
PIVOTS AND PIVOT SETS
ELECTRIFIED INTERMEDIATE OR SIDE JAMB PIVOTS

MODEL E-M19

Application
• Offset Hung
• Electric Pivot for Power Transfer
• Handed

Whenever power transfer pivots are used, the leaves must not be separated

Product Description & Features
• Not load-bearing
• Door and jamb portion are factory assembled and cannot be separated
• Always use M19 intermediate pivot to install door
• Specify four, six, eight or twelve wires
• Electrolynx® option available, suffix “QC#” (number of wires)
• 24-gauge wire is rated at 2 amps for low voltage, class II wiring applications
• Available for fire door assemblies (ferrous material) – specify EF-M19
• For 20-minute label, suffix “–20” to the part number
• 3/4” (19mm) offset
• Available 1-1/2” offset
• Door edges must be beveled in 1/8” in 2”
• Furnished with wood and machine screws

MODEL E-M19U

Application
• Offset Hung
• Electric Pivot for Power Transfer
• Handed
• For Electrified Panic Devices with Large Inrush Current

Whenever power transfer pivots are used, the leaves must not be separated

Product Description & Features
• Not load-bearing
• Door and jamb portion are factory assembled and cannot be separated
• Junction boxes are supplied with pivots
• Two each 18 gauge wires. Each wire is rated at 2 amps continuously. UL listed for 24-volt, Class I wiring
• Electrolynx® option not available
• Not available in ferrous material
• 3/4” (19mm) offset
• Door edges must be beveled in 1/8” in 2”
• Furnished with wood and machine screws

Technical Information

Hardwiring Made Easy®

Copyright © 2013, Yale Security Inc., an ASSA ABLOY Group company. All rights reserved. Reproduction in whole or in part without the express written permission of Yale Security Inc. is prohibited.
PIVOTS AND PIVOT SETS
CENTER HUNG TOP PIVOTS

MODEL 320

Application
- Fully Concealed
- Non-handed

Product Description & Features
- Standard top pivot for Models 127-3/4, 128-3/4, and 176 pivot sets
- Walking beam-type pivot – 1/2" (13mm) diameter pivot pin with 3/4" (19mm) engagement
- Oil-impregnated sintered bronze bushing
- Completely concealed when door is closed
- Furnished with wood and machine screws
- Available with longer than standard pivot pins. Increments are 1/4” (6mm), 1/2” (13mm), 3/4” (19mm) only

MODEL 340

Application
- Fully Concealed
- Non-handed

Product Description & Features
- Standard top pivot for Models 370 and 117-3/4 pivot sets. Also used for 28, 30, 40 and 50 Series floor closers
- Walking beam-type pivot – 1/2" (13mm) diameter pivot pin with 3/4" (19mm) engagement
- Oil-impregnated sintered bronze bushing
- Completely concealed when door is closed
- Furnished with wood and machine screws
- Available with longer than standard pivot pins. Increments are 1/4” (6mm), 1/2” (13mm), 3/4” (19mm) only

MODEL H340

Application
- Fully Concealed
- Heavy-Duty
- Non-handed

Product Description & Features
- Standard top pivot for Model H117-3/4 pivot set. Also used for H28 and H40 Series floor closers
- Can be used with any floor closer or pivot set with pivot point 2-3/4, or greater, from edge of the door
- Walking beam-type pivot – 11/16” (17mm) diameter pivot pin with 3/4” (19mm) engagement
- Heavy-duty needle bearing
- Completely concealed when door is closed
- Furnished with wood and machine screws
- Available with longer than standard pivot pins. Increments are 1/4” (6mm), 1/2” (13mm), 3/4” (19mm) only
Model 345

Application
- Fully Concealed
- Center Hung
- Non-handed
- Earthquake Tolerant
- Taller Doors

Product Description & Features
- Optional top pivot
- Ideal for locations where there is a fear of dramatic building settling or for doors over 8’6” in height
- Long pivot pin engages in top of door 1-3/4” [44mm]
- Can be used with any center hung bottom pivot or floor closer. Order pivot set or floor closer LTP (less top pivot) with 345 on separate line item
- Walking beam-type pivot – 1/2” [13mm] diameter pivot pin
- Oil-impregnated sintered bronze bushing
- Completely concealed when door is closed
- Furnished with wood and machine screws

Technical Information

MODEL H345

Application
- Fully Concealed
- Center Hung
- Non-handed
- Earthquake Tolerant
- Taller Doors

Product Description & Features
- Ideal for locations where there is a fear of dramatic building settling or for doors over 8’6” in height
- Long pivot pin engages in top of door 1-3/4” [44mm]
- Can be used with any center hung bottom pivot or floor closer whose pivot point is 2-3/4, or greater, from the edge of the door. Order pivot set or floor closer LTP (less top pivot) with H345 on separate line item
- Walking beam-type pivot – 11/16” [17mm] diameter pivot pin
- Heavy-duty needle bearing
- Completely concealed when door is closed
- Furnished with wood and machine screws

Technical Information
**PIVOTS AND PIVOT SETS**

**ELECTRIFIED CENTER HUNG TOP PIVOTS**

**MODEL E-H340**

**Application**
- Center Hung
- Top Pivot for Power Transfer
- Non-handed

**Product Description & Features**
- Walking beam type pivot – 11/16” (17mm) diameter pivot pin with 3/4” (19mm) engagement
- Can be used with any center hung bottom pivot or floor closer. Order the pivot set LTP (less top pivot) with E-H340 as a separate line
- Heavy-duty needle bearing
- Specify two, four, six, eight or twelve wires
- Two-wire is available in 18 gauge and is not available ElectroLynx®
- Four, six, eight and twelve wires are 24 gauge and available in ElectroLynx®. Suffix QC# (number of wires)
- Completely concealed when door is closed
- Available with longer pivot pins. Increments are 1/4” (6mm), 1/2” (13mm), 3/4” (19mm) only
- Furnished with wood and machine screws

**MODEL E-H345**

**Application**
- Fully Concealed
- Center Hung
- Top Pivot for Power Transfer
- Non-handed
- Earthquake Tolerant
- Taller Doors

**Product Description & Features**
- Walking beam type pivot – 11/16” (17mm) diameter pivot pin
- Longer pivot pin throw engages in top of door 1-3/4” (44mm). Ideal for locations where there is a fear of dramatic building settling
- Can be used with any center hung bottom pivot or floor closer whose pivot point is 2-3/4”, or greater, from the edge of the door. Order the pivot set LTP (less top pivot) with E-H345 as a separate line
- Used with heavy-duty pivots & floor closers
- Heavy-duty needle bearing
- For doors over 8’6” in height
- Specify two, four, six, eight or twelve wires
- Two-wire is available in 18 gauge and is not available with ElectroLynx®
- Four, six, eight and twelve wires are 24 gauge and available in ElectroLynx®. Suffix QC# (number of wires)
- Furnished with wood and machine screws

**Technical Information**