Serving the needs of the homeowner, contractor, pre-hung door supplier, and hardware supplier, Hager residential hinges offer several finishes and styles to enhance the design on any home.

Hager residential hinges are available in square and two sizes of radius corners to match home designs ranging from traditional to contemporary. Coordinating finishes is one of many all-important detail aspects of the design process and we offer finishes ranging from stainless steel, chrome, nickel, antique brass, flat black and bright brass, which is making a comeback in the interior design industry.

Several of our most popular hinges are offered in bulk packs for large projects and unassembled to be used in large door assembly processes.

**Table of Contents**

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Accessories ......................................................................... 8
Conestoga Barn Door Hardware Series ......................... 9-13
Hager residential hinges are provided without lubrication. We recommend lubricating the hinges after installation. Remove the pin, apply white lithium grease to the pin, then re-insert. All residential hinges conform to the “Light Weight” requirements of ANSI A156.1.

Finishes (not all hinges are available in all finishes)

<table>
<thead>
<tr>
<th>US &amp; Hager</th>
<th>Description</th>
<th>Steel</th>
<th>Brass</th>
<th>Stainless Steel</th>
</tr>
</thead>
<tbody>
<tr>
<td>1D</td>
<td>Flat Black</td>
<td>631</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>2D</td>
<td>Brass Tone Dichromate</td>
<td>604</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>2CD</td>
<td>Brushed Zinc Plate</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>H2H x BP</td>
<td>Mechanical Galvanized</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>3</td>
<td>Bright Brass</td>
<td>632</td>
<td>605</td>
<td>N/A</td>
</tr>
<tr>
<td>3LB</td>
<td>Light Brass</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>4</td>
<td>Satin Brass</td>
<td>633</td>
<td>606</td>
<td>N/A</td>
</tr>
<tr>
<td>10A/US11</td>
<td>Antique Bronze, Lacquered</td>
<td>641/643</td>
<td>614</td>
<td>N/A</td>
</tr>
<tr>
<td>10R</td>
<td>Matte Lacquered Antique Bronze</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>15</td>
<td>Satin Nickel</td>
<td>646</td>
<td>619</td>
<td>N/A</td>
</tr>
<tr>
<td>26</td>
<td>Bright Chromium Plated</td>
<td>651</td>
<td>625</td>
<td>N/A</td>
</tr>
<tr>
<td>26D</td>
<td>Satin Chromium Plated</td>
<td>652</td>
<td>626</td>
<td>N/A</td>
</tr>
<tr>
<td>32</td>
<td>Stainless Steel Metal, Bright</td>
<td>N/A</td>
<td>N/A</td>
<td>629</td>
</tr>
<tr>
<td>32D</td>
<td>Stainless Steel Metal, Satin</td>
<td>N/A</td>
<td>N/A</td>
<td>630</td>
</tr>
<tr>
<td>32D x CLR</td>
<td>Stainless Steel Metal, Satin, clear</td>
<td>N/A</td>
<td>N/A</td>
<td>630</td>
</tr>
<tr>
<td>P</td>
<td>Prime Coat - Beige</td>
<td>600</td>
<td>600</td>
<td>N/A</td>
</tr>
<tr>
<td>ABA/US5</td>
<td>Antique Brass</td>
<td>638</td>
<td>609</td>
<td>N/A</td>
</tr>
<tr>
<td>AN/US15A</td>
<td>Antique Nickel</td>
<td>647</td>
<td>620</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Packing
Box pack - 2 hinges per box
Bulk pack - 100 hinges per box

Hager Residential Hole Patterns

- **3-1/2” x 3-1/2”**
  Refer to template #T398

- **4” x 4”**
  Refer to template #T399
FULL MORTISE - FIVE KNUCKLE

1541
Plain Bearing
- Brass with brass pin (ANSI A2134) or stainless steel with stainless steel pin (ANSI A5134)
- Reversible
- Square corners
- Removable pin

BB1541
Ball Bearing
- Stainless steel with stainless steel pin (ANSI A5114)
- Reversible
- Square corners
- Removable pin

RC1541
Plain Bearing
- Brass with brass pin (ANSI A2134) or stainless steel with stainless steel pin (ANSI A5134)
- Reversible
- Round corners - 1/4” (6 mm) radius
- Removable pin

RCBB1541
Ball Bearing
- Stainless steel with stainless steel pin (ANSI A5114)
- Reversible
- Round corners - 1/4” (6 mm) radius
- Removable pin

<table>
<thead>
<tr>
<th>Hinge Size</th>
<th>Gauge of Metal</th>
<th>Hole Count</th>
<th>Pin Diameter</th>
<th>Screw Size (Wood)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-1/2 x 3-1/2</td>
<td>89 x 89</td>
<td>6</td>
<td>0.234</td>
<td>3/4 x 9 FH</td>
</tr>
<tr>
<td>4 x 4</td>
<td>102 x 102</td>
<td>8</td>
<td>0.234</td>
<td>3/4 x 9 FH</td>
</tr>
</tbody>
</table>

1543
Plain Bearing
- Brass with brass pin (ANSI A2134) or stainless steel with stainless steel pin (ANSI A5134)
- Assembled right hand
- Square by 5/8” (16 mm) radius
- Removable pin

BB1543
Ball Bearing
- Brass with brass pin (ANSI A2114) or stainless steel with stainless steel pin (ANSI A5114)
- Assembled right hand
- Square by 5/8” (16 mm) radius
- Removable pin

<table>
<thead>
<tr>
<th>Hinge Size</th>
<th>Gauge of Metal</th>
<th>Hole Count</th>
<th>Pin Diameter</th>
<th>Screw Size (Wood)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 x 4</td>
<td>102 x 102</td>
<td>8</td>
<td>0.234</td>
<td>3/4 x 9 FH</td>
</tr>
</tbody>
</table>
### FULL MORTISE - FIVE KNUCKLE

**1741**
**Plain Bearing**
- Steel with steel pin (ANSI A8134)
- Reversible
- Square corners
- Removable pin

**BB1741**
**Ball Bearing**
- Steel with steel pin (ANSI A8114)
- Reversible
- Square corners
- Removable pin

**RC1741 | 7741**
**Plain Bearing**
- Steel with steel pin (ANSI A8134)
- Reversible
- 7741 is RC1741 bulk unassembled
- Round corners - 1/4” (6 mm) radius
- Removable pin

**RCBB1741**
**Ball Bearing**
- Steel with steel pin (ANSI A8114)
- Reversible
- Round corners - 1/4” (6 mm) radius
- Removable pin

---

<table>
<thead>
<tr>
<th>Hinge Size</th>
<th>Gauge of Metal</th>
<th>Hole Count</th>
<th>Pin Diameter</th>
<th>Screw Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 x 3*</td>
<td>76 x 76*</td>
<td>6</td>
<td>0.234*</td>
<td>3/4 x 9 FH*</td>
</tr>
<tr>
<td>3-1/2 x 3-1/2</td>
<td>89 x 89</td>
<td>6</td>
<td>0.234</td>
<td>3/4 x 9 FH</td>
</tr>
<tr>
<td>4 x 4</td>
<td>102 x 102</td>
<td>8</td>
<td>0.234</td>
<td>3/4 x 9 FH</td>
</tr>
</tbody>
</table>

*3 x 3 not available for BB1741 or RCBB1741.

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**RC1748**
**Plain Bearing**
- Steel with steel pin (ANSI A8134)
- Reversible
- Round corners - 1/4” (6 mm) radius
- Removable pin
- Template hole pattern
- AMS and 1/2 wood screws

<table>
<thead>
<tr>
<th>Hinge Size</th>
<th>Gauge of Metal</th>
<th>Hole Count</th>
<th>Pin Diameter</th>
<th>Screw Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-1/2 x 3-1/2</td>
<td>89 x 89</td>
<td>6</td>
<td>0.234</td>
<td>1 x 9 FH (wood)</td>
</tr>
</tbody>
</table>

**RC1749**
**Plain Bearing**
- Steel with steel pin (ANSI A8134)
- Reversible
- Round corners - 1/4” (6 mm) radius
- Removable pin
- Template hole pattern
- AMS and 1/2 wood screws

<table>
<thead>
<tr>
<th>Hinge Size</th>
<th>Gauge of Metal</th>
<th>Hole Count</th>
<th>Pin Diameter</th>
<th>Screw Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 x 4</td>
<td>102 x 102</td>
<td>8</td>
<td>0.234</td>
<td>1 x 9 FH (wood)</td>
</tr>
</tbody>
</table>

---

**BB1741**
**Ball Bearing**
- Steel with steel pin (ANSI A8114)
- Reversible
- Round corners - 1/4” (6 mm) radius
- Removable pin
- Template hole pattern
- AMS and 1/2 wood screws

<table>
<thead>
<tr>
<th>Hinge Size</th>
<th>Gauge of Metal</th>
<th>Hole Count</th>
<th>Pin Diameter</th>
<th>Screw Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 x 4</td>
<td>102 x 102</td>
<td>8</td>
<td>0.234</td>
<td>1 x 9 FH (wood)</td>
</tr>
</tbody>
</table>
**FULL MORTISE - FIVE KNUCKLE**

**1816 Plain Bearing**
- Steel with steel pin (ANSI A8134)
- Assembled right hand
- Square by 5/8” (16 mm) radius
- Removable pin
- Bulk assembled

**BB1816 Ball Bearing**
- Steel with steel pin (ANSI A8114)
- Assembled right hand
- Square by 5/8” (16 mm) radius
- Removable pin

**1817 Plain Bearing**
- Steel with steel pin (ANSI A8134)
- Assembled left hand
- Square by 5/8” (16 mm) radius
- Removable pin
- Bulk assembled

**BB1817 Ball Bearing**
- Steel with steel pin (ANSI A8114)
- Assembled left hand
- Square by 5/8” (16 mm) radius
- Removable pin

**1818 Plain Bearing**
- Steel with steel pin (ANSI A8134)
- Assembled right hand
- Square by 5/8” (16 mm) radius
- Security stud
- Removable pin
- Bulk assembled

**1819 Plain Bearing**
- Steel with steel pin (ANSI A8134)
- Assembled left hand
- Square by 5/8” (16 mm) radius
- Security stud
- Removable pin
- Bulk assembled

**8746 Plain Bearing**
- Steel with steel pin (ANSI A8134)
- Square by 5/8” (16 mm) radius
- Safety stud
- Removable pin
- Bulk unassembled

### Hinge Size Gauge of Metal Hole Count Pin Diameter Screw Size (Wood)

<table>
<thead>
<tr>
<th>Inches</th>
<th>mm</th>
<th>Count</th>
<th>Diameter</th>
<th>(Wood)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 x 4</td>
<td>102 x 102</td>
<td>0.085</td>
<td>0.234</td>
<td>3/4 x 9 FH</td>
</tr>
</tbody>
</table>

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2016
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RC1842 | RC1841 | 8741
Plain Bearing
- Steel with steel pin (ANSI A8134)
- Reversible
- Round corners - 5/8” (16 mm) radius
- RC1841 is RC1842 bulk assembled
- 8741 is RC1842 bulk unassembled
- RC1842 - Box pack (2 per box)
- Removable pin

RCBB1842
Ball Bearing
- Steel with steel pin (ANSI A8114)
- Reversible
- Round corners - 5/8” (16 mm) radius
- Removable pin

RC1843
Plain Bearing
- Steel with steel pin (ANSI A8134)
- Reversible
- Round corners - 5/8” (16 mm) radius
- Removable pin
- Security stud

RC1846
Plain Bearing
- Steel with steel pin (ANSI A8134)
- Reversible
- Round corners - 5/8” (16 mm) radius
- Riveted security pin
- Also available bulk assembled
- Not recommended for exterior use

RC1847
Plain Bearing
- Steel with steel pin (ANSI A8134)
- Reversible
- Square by 5/8” (16 mm) radius
- Riveted security pin
- Also available bulk assembled

<table>
<thead>
<tr>
<th>Hinge Size</th>
<th>Gauge of Metal</th>
<th>Hole Count</th>
<th>Pin Diameter</th>
<th>Screw Size (Wood)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 x 4</td>
<td>102 x 102</td>
<td>8</td>
<td>0.234</td>
<td>3/4 x 9 FH</td>
</tr>
</tbody>
</table>

SIX KNUCKLE

RC1641 | 8641
Plain Bearing
- Steel with steel pin (ANSI A8134)
- Reversible
- Round corners - 5/8” (16 mm) radius
- Removable pin
- RC1641 is assembled, 8641 is bulk unassembled

<table>
<thead>
<tr>
<th>Hinge Size</th>
<th>Gauge of Metal</th>
<th>Hole Count</th>
<th>Pin Diameter</th>
<th>Screw Size (Wood)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-1/2 x 3-1/2</td>
<td>89 x 89</td>
<td>6</td>
<td>0.234</td>
<td>3/4 x 9 FH</td>
</tr>
<tr>
<td>4 x 4</td>
<td>102 x 102</td>
<td>8</td>
<td>0.234</td>
<td>3/4 x 9 FH</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hinge Size</th>
<th>Gauge of Metal</th>
<th>Hole Count</th>
<th>Pin Diameter</th>
<th>Screw Size (Wood)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 x 4</td>
<td>102 x 102</td>
<td>8</td>
<td>0.234</td>
<td>3/4 x 9 FH</td>
</tr>
</tbody>
</table>
Spring hinges are for automatic closing of doors. They are light weight for residential use. 1734 and 1744 are also for metal frames.

**Hinge Recommendation**

<table>
<thead>
<tr>
<th>Recommended Max Door Weight (lbs)</th>
<th>Spring Hinge</th>
<th>Butt Hinge</th>
<th>Spring Hinge Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>45</td>
<td>1</td>
<td>2</td>
<td>Center</td>
</tr>
<tr>
<td>70</td>
<td>2</td>
<td>1</td>
<td>Top/Btm or Ctr/Btm</td>
</tr>
<tr>
<td>90</td>
<td>3</td>
<td>-</td>
<td>All</td>
</tr>
</tbody>
</table>

**RC1734**
- Stainless steel (ANSI K51071F)
- Round corners - 1/4” (6 mm) radius
- Template hole pattern

**RC1744**
- Steel (ANSI K81071F)
- Round corners - 1/4” (6 mm) radius
- Template hole pattern

**Additional Notes for Spring Hinges**

For maximum versatility use all spring hinges or a combination of spring hinges and residential ball bearing hinges. Do not use plain bearing hinges.
- Full spring tension may not be required on all hinges.
- Strong wind conditions, drafts, carpeting drag, twisted/misaligned frames, or weatherstripping on doors may require additional spring hinges.
- Not intended for exterior outswing doors.
- For fire-rated openings use all 3 spring hinges.
- For doors over 7 feet, please call Hager Companies.
1700
Pins for Residential Hinges
Sizes:  • 3-1/2" (89 mm)
       • 4" (102 mm)
Finishes:  • 3-1/2" - 2D, US15, US26D
          • 4" - 2D, US4, US15, US26D
Notes:  Sold in full box quantity of 100

1710
Residential Ball Tip Kit
Materials:  Brass tips and stainless steel pin
Notes:  • Includes 2 ball tips and 1 pin
        • For use with 3-1/2" (89 mm)
               or 4" (102 mm) hinges

1720
Residential Steeple Tip Kit
Materials:  Brass tips and stainless steel pin
Notes:  • Includes 2 steeple tips and 1 pin
        • For use with 3-1/2" (89 mm)
               or 4" (102 mm) hinges