

# Commercial Hinges

## Architectural Submittal Sheet



**PLAIN BEARING  
STANDARD  
WEIGHT**



**2 BALL BEARING  
STANDARD  
WEIGHT**



**4 BALL BEARING  
HEAVY WEIGHT**



**SPRING HINGE  
STANDARD  
WEIGHT**



**POWER TRANSFER  
STANDARD OR HEAVY  
WEIGHT**



### Specifications









|   |  |
|---|--|
| <b>MATERIALS:</b>                             | <ul style="list-style-type: none"> <li>• <b>STEEL</b> – Applications: Interior doors, non-corrosive environments.</li> <li>• <b>STAINLESS STEEL</b> – Applications: Exterior, doors, corrosive environments</li> </ul>   |
| <b>PACKAGING:</b>                             | <ul style="list-style-type: none"> <li>• Qty Of Hinges Per Individual Carton:<br/>3 ea For Plain, 2 Ball Bearing and 4 Ball Bearing Hinges<br/>3 ea For Spring Hinges<br/>1 ea for Electrified Hinges</li> <li>• Qty Of Hinges Per Master Carton:<br/>48 ea For Plain, 2 Ball Bearing and 24 Ball Bearing Hinges</li> </ul>  |
| <b>FASTENERS:</b>                             | <ul style="list-style-type: none"> <li>• All hinges packed with Machine Screws (12-24 x 1/2" FHMS) and Wood Screws (12 x 1-1/4" FHWS)</li> </ul>   |
| <b>CERTIFICATIONS, LISTINGS, COMPLIANCES:</b> | <ul style="list-style-type: none"> <li>• Conforms with the requirements of NFPA 80-2010, Section 6.4.3.1.</li> <li>• Certified to ANSI/BHMA A156.1-2013: <ul style="list-style-type: none"> <li>– Grade 3, Plain Bearing (PL) 350,000 cycles</li> <li>– Electrified hinges tested to over 100,000 cycles</li> </ul> </li> <li>• UL listed: <ul style="list-style-type: none"> <li>– SH Series Spring Hinges</li> <li>– EL Series Electrified Hinges</li> </ul> </li> </ul> |
| <b>WARRANTY:</b>                              | <ul style="list-style-type: none"> <li>• Five (5) year limited warranty</li> </ul>   |

# Commercial Hinges

## Plain Bearing






| FULL MORTISE HINGES   | DESCRIPTION   | QTY OF HINGES PER CARTON | FINISH ANSI (US) | PDQ HINGE MODEL   |
|---|---|--------------------------|------------------|-------------------|
|  | 5 Knuckle<br>Base Material: Steel<br>Size: 4" x 4"<br>Hinge Weight: Standard<br>Frequency of Use: Low<br>Thickness: .130" ± .005"<br>Certified to ANSI 8133         | 3ea                      | 600 (P)          | 35 ST PL 4040 600 |
|   |   |                          | 652 (US26D)      | 35 ST PL 4040 652 |
|  | 5 Knuckle<br>Base Material: Steel<br>Size: 4-1/2" x 4-1/2"<br>Hinge Weight: Standard<br>Frequency of Use: Low<br>Thickness: .130" ± .005"<br>Certified to ANSI 8133 | 3ea                      | 600 (P)          | 35 ST PL 4545 600 |
|   |   |                          | 613 (10B)        | 35 ST PL 4545 613 |
|   |   |                          | 619(US15)        | 35 ST PL 4545 619 |
|   |   |                          | 652 (US26D)      | 35 ST PL 4545 626 |

## 2 Ball Bearing

| FULL MORTISE HINGES   | DESCRIPTION   | QTY OF HINGES PER CARTON | FINISH ANSI (US) | PDQ HINGE MODEL       |
|---|---|--------------------------|------------------|-----------------------|
|   | 5 Knuckle<br>Base Material: Stainless Steel<br>Size: 4" x 3-1/2"<br>Hinge Weight: Standard<br>Frequency of Use: Medium<br>Thickness: .134" ± .005"<br>Certified to ANSI A5112     | 3ea                      | 630 (US32D)      | 35 SS BB 4035 630 NRP |
|  | 5 Knuckle<br>Base Material: Stainless Steel<br>Size: 4" x 4"<br>Hinge Weight: Standard<br>Frequency of Use: Medium<br>Thickness: .134" ± .005"<br>Certified to ANSI A5112         | 3ea                      | 630 (US32D)      | 35 SS BB 4040 630 NRP |
|  | 5 Knuckle<br>Base Material: Steel<br>Size: 4-1/2" x 4"<br>Hinge Weight: Standard<br>Frequency of Use: Medium<br>Thickness: .134" ± .005"<br>Certified to ANSI A8112               | 3ea                      | 652 (US26D)      | 35 ST BB 4540 626 NRP |
|  | 5 Knuckle<br>Base Material: Stainless Steel<br>Size: 4-1/2" x 4"<br>Hinge Weight: Standard<br>Frequency of Use: Medium<br>Thickness: .134" ± .005"<br>Certified to ANSI A5112     | 3ea                      | 630 (US32D)      | 35 SS BB 4540 630 NRP |
|  | 5 Knuckle<br>Base Material: Steel<br>Size: 4-1/2" x 4-1/2"<br>Hinge Weight: Standard<br>Frequency of Use: Medium<br>Thickness: .134" ± .005"<br>Certified to ANSI A8112           | 3ea                      | 600 (P)          | 35 ST BB 4545 600 NRP |
|   |   |                          | 605 (US3)        | 35 ST BB 4545 605 NRP |
|   |   |                          | 613 (US10B)      | 35 ST BB 4545 613 NRP |
|   |   |                          | 619(US15)        | 35 ST BB 4545 619 NRP |
|   |   |                          | 652 (US26D)      | 35 ST BB 4545 652 NRP |
|  | 5 Knuckle<br>Base Material: Stainless Steel<br>Size: 4-1/2" x 4-1/2"<br>Hinge Weight: Standard<br>Frequency of Use: Medium<br>Thickness: .134" ± .005"<br>Certified to ANSI A5112 | 3ea                      | 630 (US32D)      | 35 SS BB 4545 630 NRP |

# Commercial Hinges



## 4 Ball Bearing

| FULL MORTISE HINGES   | DESCRIPTION   | QTY OF HINGES PER CARTON | FINISH ANSI (US) | PDQ HINGE MODEL          |
|---|---|--------------------------|------------------|--------------------------|
|    | 5 Knuckle<br>Base Material: Steel<br>Size: 4-1/2" x 4-1/2"<br>Hinge Weight: Heavy<br>Frequency of Use: High<br>Thickness: .180" ± .005"<br>Certified to ANSI 8111               | 3ea                      | 600 (P)          | 35 ST HB 4545 600<br>NRP |
|   |   |                          | 605 (US3)        | 35 ST HB 4545 605<br>NRP |
|   |   |                          | 613 (US10B)      | 35 ST HB 4545 613<br>NRP |
|   |   |                          | 619 (US15)       | 35 ST HB 4545 619<br>NRP |
|   |   |                          | 652 (US26D)      | 35 ST HB 4545 626<br>NRP |
|    | 5 Knuckle<br>Base Material: Stainless Steel<br>Size: 4-1/2" x 4-1/2"<br>Hinge Weight: Heavy<br>Frequency of Use: High<br>Thickness: .180" ± .005"<br>Designed to meet ANSI 5111 | 3ea                      | 630 (32D)        | 35 SS HB 4545 630<br>NRP |
|   | 5 Knuckle<br>Base Material: Steel<br>Size: 5" x 4-1/2"<br>Hinge Weight: Heavy<br>Frequency of Use: High<br>Thickness: .180" ± .005"<br>Designed to meet ANSI 8111               | 3ea                      | 652 (US26D)      | 35 ST HB 5045 626<br>NRP |
|  | 5 Knuckle<br>Base Material: Stainless Steel<br>Size: 5" x 4-1/2"<br>Hinge Weight: Heavy<br>Frequency of Use: High<br>Thickness: .180" ± .005"<br>Designed to meet ANSI 5111     | 3ea                      | 630 (32D)        | 35 SS HB 5045 630<br>NRP |
|  | 5 Knuckle<br>Base Material: Stainless Steel<br>Size: 5" x 5"<br>Hinge Weight: Heavy<br>Frequency of Use: High<br>Thickness: .180" ± .005"<br>Designed to meet ANSI 5111         | 3ea                      | 630 (32D)        | 35 SS HB 5050 630<br>NRP |

# Commercial Hinges

## Spring Hinges



| SPRING HINGES   | DESCRIPTION  | QTY OF HINGES PER CARTON | FINISH ANSI (US) | PDQ HINGE MODEL   |
|---|--|--------------------------|------------------|-------------------|
|  | 3 Knuckle<br>Base Material: Steel<br>Size: 4-1/2" x 4-1/2"<br>Hinge Weight: Standard<br>Frequency of Use: Medium<br>Thickness: .134" ± .005"<br>Designed to meet ANSI K8107-1F           | 3ea                      | 600 (P)          | 35 ST SH 4545 600 |
|   |  |                          | 613 (10B)        | 35 ST SH 4545 613 |
|   |  |                          | 619 (US15)       | 35 ST SH 4545 619 |
|   |  |                          | 652 (US26D)      | 35 ST SH 4545 626 |
|   |  |                          | 605 (US3)        | 35 ST SH 4545 605 |
|  | 3 Knuckle<br>Base Material: Stainless Steel<br>Size: 4-1/2" x 4-1/2"<br>Hinge Weight: Standard<br>Frequency of Use: Medium<br>Thickness: .134" ± .005"<br>Designed to meet ANSI K5107-1F | 3ea                      | 630 (32D)        | 35 SS SH 4545 630 |

## Electrified Hinges

|   | FEATURES  | QTY OF HINGES PER CARTON | CODE | DESCRIPTION  |
|---|---|--------------------------|------|--|
|  |  | 1ea                      | EL 4 | Concealed electric through-wire (2 wires @ 20ga, 2 wires @ 26ga) |
|   |   |                          | EL 8 | Concealed electric through-wire (8 wires, 28ga)                  |