As a young man in 1843, Frederick T. Stanley founded The Stanley Works – a small company located in New Britain, Connecticut that manufactured hinges, bolts and other door hardware in a one-story wooden building.

Mr. Stanley’s vision was to create a hardware company with unsurpassed customer service, product innovation and integrity – and to offer products that would become the first choice among professionals around the world.

With the early success of this mission and an increasing demand for his high-quality goods, Mr. Stanley began exporting his products in the 1870s.

Today, Stanley is a global organization supplying hardware and tools for the architectural, consumer, industrial and residential markets worldwide. Utilizing state-of-the-art research, manufacturing and quality-control capabilities, Stanley continues to deliver the innovative, high quality products that have made the Stanley name synonymous with the highest craftsmanship and dependability for more than 165 years.

To our valued customers, we appreciate your loyalty over the years and proudly present our Architectural Hardware offering.
Heavy Weight Concealed Bearing Prison Hinges


- Specially designed for detention facilities
- Investment cast 304 stainless steel
- Available with or without shear resistant stud (SRS)
- LifeSpan® limited lifetime warranty
- Concealed Lifestan® bearing for trouble free, long life – no oil, no grease, no maintenance
- Heavy weight gauges increase available bearing surface area for maximum friction reduction
- Stainless steel, hardened, free turning, completely concealed pin

Hinges can be furnished as follows:
  - with concealed switch (CS)
  - with shear resistant studs (SRS)

<table>
<thead>
<tr>
<th>Size Open</th>
<th>Gauge of Metal</th>
<th>Number of Flat Head Security Machine Screws</th>
<th>Quantity</th>
<th>Carton Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 1/2&quot; x 4 1/2&quot; (114 x 114)</td>
<td>.188 (4.8)</td>
<td>8 - 1/4&quot; x 20 x 1/2</td>
<td>3 EA.</td>
<td>46 (20.9)</td>
</tr>
</tbody>
</table>

Suggested Specifications

Institutional type hinges should be fabricated from investment cast stainless steel. All dimensions as to size, thickness, and screw holes shall conform to ANSI-A156.7 “Standard for Template Hinge Dimensions”. Both lateral and vertical loads will be accommodated by bearings which include anti-friction, self-lubricating materials. Pins shall be non-removable. The top and bottom ends of the hinge barrel shall be contoured to a uniform slope.

Hinges shall be tested to cycle a 300 lbs. (136 Kg) door a minimum of 2,500,000 times, (0°- 90°- 0°), installed in accordance with ANSI-156.1 type test fixtures. Vertical wear shall not exceed .030" (.76mm) and lateral wear shall not exceed .060" (1.5mm).

All hinges shall be subjected to a Door Impact Test in accordance with ASTM F1758-96 Standard Test Method for Detention Hinges used on Detention-Grade Swinging Doors. They shall be capable of withstanding 200 repetitive blows of 200 foot pounds. (271.2-J) of force delivered on the door within 6" (152mm) of each hinge.
Heavy Weight Concealed Bearing Prison Hinges

IHTCB1901R – (ANSI A8111) – 3 knuckle – full mortise – steel – phosphated and painted


- Specially designed for detention facilities
- LifeSpan® limited lifetime warranty
- Concealed LifeSpan® bearing for trouble free, long life – no oil, no grease, no maintenance
- Sloped ends deter hangings
- Stainless steel, hardened, free turning, completely concealed pin
- Heavy weight gauges increase available bearing surface area for maximum friction reduction

Hinges can be furnished as follows:
- with concealed switch (CS)
- with current conducting feature (CE)
- with shear resistant studs (SRS)
- with 1/4-20 punching

<table>
<thead>
<tr>
<th>Size Open</th>
<th>Gauge of Metal</th>
<th>Number of Flat Head Security Screws Per Hinge</th>
<th>Quantity</th>
<th>Carton Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Inches (mm)</td>
<td>Machine</td>
<td>Wood</td>
<td>Per Box</td>
</tr>
<tr>
<td>4 1/2&quot; x 4 1/4&quot; (114 x 114)</td>
<td>.180 (4.6)</td>
<td>8 - 12-24 x 1/2</td>
<td>3 EA.</td>
<td>36 EA.</td>
</tr>
<tr>
<td>5&quot; x 4 1/2&quot; (127 x 114)</td>
<td>.190 (4.8)</td>
<td>8 - 12-24 x 1/4</td>
<td>3 EA.</td>
<td>24 EA.</td>
</tr>
</tbody>
</table>

Suggested Specifications

Institutional type hinges should be fabricated from wrought steel or stainless steel. All dimensions as to size, thickness, and screw holes shall conform to ANSI-A156.7 “Standard for Template Hinge Dimensions”. Both lateral and vertical loads will be accommodated by bearings which include anti-friction, self-lubricating materials. Pins shall be non-removable. The top and bottom ends of the hinge barrel shall be contoured to a uniform slope.

Hinges shall be tested to cycle a 300 lbs. (136 Kg) door a minimum of 2,500,000 times, (0°- 90°- 0°), installed in accordance with ANSI-156.1 type test fixtures. Vertical wear shall not exceed .030" (.76mm) and lateral wear shall not exceed .060" (1.5mm).

All hinges shall be subjected to a Door Impact Test in accordance with ASTM F1758-96 Standard Test Method for Detention Hinges Used on Detention-Grade Swinging Doors. They shall be capable of withstanding 200 repetitive blows of 200 foot pounds. (271.2-J) of force delivered on the door within 6" (152mm) of each hinge.
Heavy Weight Concealed Bearing Prison Hinges

IHTCB168 – (ANSI A8111) – 5 knuckle – full mortise – steel – phosphated and painted, or polished and plated


- Specially designed for detention facilities
- LifeSpan® limited lifetime warranty
- Concealed Lifestan® bearing for trouble free, long life – no oil, no grease, no maintenance
- Sloped ends deter hangings
- Stainless steel, hardened, and completely concealed pin
- Heavy weight gauges increase available bearing surface area for maximum friction reduction
- Steel based painted hinges and stainless steel hinges are fully welded
- Steel based plated hinges are cross pinned, top and bottom

Hinges can be furnished as follows:
- with concealed switch (CS)
- with current conducting feature (CE)
- with shear resistant studs (SRS)
- with 1/4-20 punching

### Suggested Specifications

Institutional type hinges should be fabricated from wrought steel or stainless steel. All dimensions as to size, thickness, and screw holes shall conform to ANSI-A156.7 “Standard for Template Hinge Dimensions”. Both lateral and vertical loads will be accommodated by bearings which include anti-friction, self-lubricating materials. Pins shall be non-removable. The top and bottom ends of the hinge barrel shall be contoured to a uniform slope.

Hinges shall be tested to cycle a 300 lbs. (136 Kg) door a minimum of 2,500,000 times, (0°- 90°- 0°), installed in accordance with ANSI-156.1 type test fixtures. Vertical wear shall not exceed .030" (.76mm) and lateral wear shall not exceed .060" (1.5mm).

All hinges shall be subjected to a Door Impact Test in accordance with ASTM F1758-96 Standard Test Method for Detention Hinges Used on Detention-Grade Swinging Doors. They shall be capable of withstanding 200 repetitive blows of 200 foot pounds. (271.2-J) of force delivered on the door within 6” (152mm) of each hinge.
**DETENTION HARDWARE**

**Double Weight Concealed Ball Bearing Prison Hinges**

**BB855 – (ANSI A8381)** – steel with welded pin. Phosphated and prime coated for painting

- For lead-lined doors to x-ray rooms and other exceptionally heavy doors
- Made of double weight steel capable of carrying doors weighing up to 800 lbs. (363 Kg)
  (Based on a 3’ x 7’ door with 3 hinges)
- Each of the 2 concealed hardened steel races contains sixteen 1/8" (3.2mm) hardened and ground steel balls which are assembled within a jacket
- Concealed bearings are well lubricated insuring smooth, long lasting operation
- Rolled knuckles are welded and machined
- Typically made not swaged, no holes (application A) for full surface applications, or for full mortise (applications C) application. All other configurations are made to order

Provision has been made in the barrel of hinge for forced lubrication if further lubrication is necessary.

**TYPICAL APPLICATIONS OF BB855**

<table>
<thead>
<tr>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Regularly furnished blank no holes, not swaged</strong></td>
<td><strong>Full Surface</strong> – application A</td>
</tr>
<tr>
<td><strong>Full Mortise – applications</strong></td>
<td><strong>Application C</strong> Not Swaged</td>
</tr>
<tr>
<td></td>
<td><strong>Application D</strong> Swaged</td>
</tr>
<tr>
<td></td>
<td><strong>Application E</strong> Special Swaged</td>
</tr>
<tr>
<td><strong>Half Mortise</strong></td>
<td><strong>Application F</strong> Half mortise</td>
</tr>
<tr>
<td></td>
<td><strong>Application G</strong> Half mortise</td>
</tr>
</tbody>
</table>

For all full mortise applications the center of barrel should be set 7/8" (22.2 mm) from door and frame so welded joints will clear. Leaves can be swaged apart any distance between 1/16" (1.6 mm) to 9/16" (14.3 mm)

<table>
<thead>
<tr>
<th>BB855</th>
<th>02 9468</th>
<th>5 (127)</th>
<th>6 (152)</th>
<th>9/32 (7.1)</th>
<th>1/2 (12.7)</th>
<th>2 Ea.</th>
<th>7 (3.2)</th>
</tr>
</thead>
</table>

Furnished on order with holes and with machine screws, at additional cost.

When screw holes are required they are accurately punched to template.

If above details do not show your particular construction submit details and specifications.
Triple Weight Concealed Ball Bearing Prison Hinges

BB852 – (ANSI A8391) – steel with welded pin. Phosphated and prime coated for painting

- For lead-lined doors to x-ray rooms and extremely heavy doors and gates
- For hinged cell-front doors and grated steel doors of penitentiaries, jails, reformatories, etc.
- Made of triple weight steel capable of carrying doors weighing up to 2000 lbs. (906 Kg)
  (Based on a 3’ x 7’ door with 3 hinges)
- Each of the 2 concealed hardened steel races contains sixteen 3/16” (4.8mm) hardened and ground steel balls which are assembled within a jacket
- Provision has been made in the barrel of the hinge for forced lubrication if further lubrication is necessary
- Typically made not swaged, no holes (application A) for full surface applications, or for full mortise (applications C) application. All other configurations are made to order

![Diagram of hinge assembly]

Rolled knuckles are welded and machined.

Pin is solid one piece steel welded at both ends making pin removal impossible.

Two concealed bearing assemblies. Hardened race-ways. Hardened and ground balls.

TYPICAL APPLICATIONS OF BB852

Regularly furnished blank no holes, not swaged for Full Surface – application A

Full Surface with holes to template – application B

Full Mortise – applications

Application C
Not swaged

Application D
Swaged

Application E
Special swaged

For all full mortise applications the center of barrel should be set 1 1/8” (28.6 mm) from door and frame so welded joints will clear. Leaves can be swaged apart any distance between 1/8” (3.2 mm) to 7/8” (22.2 mm)

Half Mortise

Application F
Half mortise

Application G
Half mortise

Variations of half mortise or half surface types can be obtained by further bumping or swaging of mortise leaf to accommodate any required construction. Specify hand when ordering

Furnished on order with holes and with machine screws, at additional cost.
If above details do not show your particular construction submit details and specifications.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>USP/EDP Number</th>
<th>Length of Joint (mm)</th>
<th>Width Open (mm)</th>
<th>Gauge of Metal (mm)</th>
<th>Diameter of Pin (mm)</th>
<th>Quantity Per Carton</th>
<th>Carton Weight Lbs. (Kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BB852</td>
<td>02 9388</td>
<td>5 (127)</td>
<td>6 (152)</td>
<td>3/8</td>
<td>9/16</td>
<td>2 Ea.</td>
<td>10 (4.5)</td>
</tr>
</tbody>
</table>
854 – Hinge with stop – phosphated and prime coated for painting

- Used on smaller doors installed into main doors to permit passage of food trays. Stop holds a small door at 90° forming a shelf
- Allow guards to apply manacles with cell doors closed
- No sharp projections
- Heavy gauge steel
- Replaces existing hinges with dangerous projecting stops
- Ends of the hinge barrels are solid, without visible pin lines

Set consists of 2 each hinges and 2 each 90° stops.
Heavy Duty Detention Floor Stops

3001 – Black neoprene floor stop
- Meets industry standard for 300 pound impact testing
- 90 Durometer
- Steel anchor post \( \frac{5}{8} \)“ diameter x 2 1/2” long
- For concrete floors in security applications

<table>
<thead>
<tr>
<th>EDP Number</th>
<th>Diameter</th>
<th>Height</th>
<th>Steel Anchor Post</th>
<th>Quantity Per Carton</th>
<th>Carton Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>81–1000</td>
<td>2” (51)</td>
<td>1 1/2” (38)</td>
<td>5/8” x 2 1/2” (15.9 x 63.5)</td>
<td>25</td>
<td>15 (6.8)</td>
</tr>
</tbody>
</table>

Heavy Duty Wall Stops

3002 – Black neoprene wall stop
- Unique designed molded anti-rotational post resists unauthorized removal of stop
- 90 Durometer
- For concrete or cinder block walls in security applications
- Convex design

<table>
<thead>
<tr>
<th>EDP Number</th>
<th>Diameter</th>
<th>Projection</th>
<th>Security Torx Fastener</th>
<th>Quantity Per Carton</th>
<th>Carton Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>81–1001</td>
<td>2 3/8” (66.7)</td>
<td>1 1/4” (31.8)</td>
<td>3/8” x 2 1/2” (9.5 x 63.5)</td>
<td>25</td>
<td>15 (6.8)</td>
</tr>
</tbody>
</table>
Heavy Duty Pulls and Handles

**1004** – Flush pull – manganese bronze
- Institutional type – one piece casting
- Supplied with security fasteners

<table>
<thead>
<tr>
<th>EDP Number</th>
<th>Finish</th>
<th>Number of ( \frac{1}{4} \times 20 \times \frac{1}{2} ) security screws per piece</th>
<th>Quantity Per Box</th>
<th>Quantity Per Carton</th>
<th>Carton Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>32 – 2200</td>
<td>26D</td>
<td>4</td>
<td>5</td>
<td>30</td>
<td>45 (20.4)</td>
</tr>
</tbody>
</table>

**2001** – Grip/pull handle – manganese bronze
- Heavy duty casting
- Supplied with security fasteners

<table>
<thead>
<tr>
<th>EDP Number</th>
<th>Finish</th>
<th>Number of ( \frac{3}{8} \times 16 \times \frac{5}{8} ) security screws per piece</th>
<th>Quantity Per Box</th>
<th>Quantity Per Carton</th>
<th>Carton Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>32 – 2100</td>
<td>26D</td>
<td>2</td>
<td>5</td>
<td>32</td>
<td>37 (16.8)</td>
</tr>
</tbody>
</table>
For more information on Stanley Security Solutions’ products, services, and office locations visit our web site at www.stanleysecuritysolutions.com

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