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” (4.8 mm) 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

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.

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

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

<table>
<thead>
<tr>
<th>Application</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>C</td>
<td>Not swaged</td>
</tr>
<tr>
<td>D</td>
<td>Swaged</td>
</tr>
<tr>
<td>E</td>
<td>Special swaged</td>
</tr>
<tr>
<td>F</td>
<td>Half mortise</td>
</tr>
<tr>
<td>G</td>
<td>Half mortise</td>
</tr>
</tbody>
</table>

* 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>No holes, not swaged for applications “A” or “C”</th>
<th>Catalog Number</th>
<th>USP/EDP Number</th>
<th>Length of Joint (inches)</th>
<th>Width Open (inches)</th>
<th>Gauge of Metal (inches)</th>
<th>Diameter of Pin (inches)</th>
<th>Quantity Per Carton</th>
<th>Carton Weight (Lbs. (Kg))</th>
</tr>
</thead>
<tbody>
<tr>
<td>BB852</td>
<td>02 9388</td>
<td></td>
<td>5 (127)</td>
<td>6 (152)</td>
<td>.375 (9.5)</td>
<td>7/4 (19.1)</td>
<td>2 Ea.</td>
<td>10 (4.5)</td>
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</tbody>
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