# Bearing Assembly Dimensions

<table>
<thead>
<tr>
<th>Assembly Type</th>
<th>Rotation (1)</th>
<th>Total Load (Kips)</th>
<th>Total Movement (Inches)</th>
<th>Plate &quot;A&quot; (Dia)</th>
<th>Plate &quot;B&quot; (Dia)</th>
<th>Plate &quot;C&quot; (Diameter)</th>
<th>Plate &quot;D&quot; (Maximum)</th>
<th>Dimension &quot;L&quot;</th>
<th>Dimension &quot;H&quot;</th>
<th>Dimension &quot;N&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Dimension "N" = Bottom Flange Width of Beams Minus 1/2"

## Design Data:

Maximum Horizontal Load is 70 Kips for 1/2" Pintles.

Approved: November 22, 2002

State of Minnesota
Department of Transportation

Pot Type Bearing Assembly
(Prestressed Concrete Beams)
(Guided Expansion)

State Bridge Engineer

Revision
11-03-2015
02-27-2019

Detail No. B312

Notes:

- Provide materials, design and fabrication per special provisions.
- Provide steel plates and pintles per Spec. 3309.
- Galvanize plates "A", "D" and pintles per Spec. 3394.
- Metalize plates "B" & "C" per Spec. 2471.31.2.
- Provide anchor rods per Spec. 3385, Type B.
- Galvanize per Spec. 3392.
- Perform shimming under plate "D" with fabric pads per AASHTO LRFD Bridge Construction Spec. Section 18.10.
- Manufacturer to submit any bearing assembly dimensions, details or materials not shown to the engineer for approval. Ship upper and lower components together as a complete assembly.
- All material shown is included in the price bid for each bearing assembly, except as noted.

1. Minimum rotation of .02 radians
2. Mark Q of BRG. Plates "A" and "B" to facilitate placement.
3. Height is minimum dimension if plate is tapered.