Multi-Directional Breakaway System
for Standard Pipe
Stub Post

Assembly Procedure:
1. Assemble post to stub with bolts and one flat washer between base plates and keeper plate.
2. Shim as required.
3. Tighten all bolts the maximum possible with 12" to 15" wrench to bed washers and shims to close bolt threads, from
   lowest.
4. Retighten bolts in a systematic order to prescribed torque. (see table).
5. Loosen each bolt and apply thread locking liquid resin conforming to ASTM D5363-03 (2008). Fill gaps between
   thread and mating surface with thread locking to form solid, one part assemblies secure from vibration, pressure,
   and corrosion.
6. Retighten each bolt to prescribed torque in the same order as initial retightening.

Notes:
Task wash aluminum base plate washers to the base, when the base plate is fabricated from
aluminum.
Use standard drawing D-754-4 for base plate, hinge plate, and foundation details.

Base Data Table

<table>
<thead>
<tr>
<th>Base Diameter</th>
<th>Outside Post Dia.</th>
<th>Ball Circle</th>
<th>a</th>
<th>b</th>
<th>c</th>
<th>ø</th>
<th>Bolt Dia. (dia. x length)</th>
<th>Base Plate Thickness</th>
<th>W</th>
<th>Base Bolt Torque (ft-lb.)</th>
<th>d</th>
<th>Stub Post Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-1/2&quot;</td>
<td>4&quot;</td>
<td>ø3&quot;</td>
<td>1&quot;</td>
<td>1-1/16&quot;</td>
<td>1/4&quot;</td>
<td>1/8&quot;</td>
<td>1-1/8&quot;</td>
<td>1/16&quot;</td>
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</tr>
<tr>
<td>4&quot;</td>
<td>4-1/2&quot;</td>
<td>ø3-1/8&quot;</td>
<td>1&quot;</td>
<td>1-1/16&quot;</td>
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</tr>
<tr>
<td>5&quot;</td>
<td>4-3/4&quot;</td>
<td>ø3-1/8&quot;</td>
<td>1&quot;</td>
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</tr>
</tbody>
</table>

Slip Base Orientation
Top View

Stub Post Detail
Top View

Stub Post Connection - Type D
Orientation View
(Single Post)