# Inspection and Securement Recommended Guidelines

## Elements to Consider

### Fittings Area:

<table>
<thead>
<tr>
<th>Component</th>
<th>Hinged Manway</th>
<th>Top Fittings</th>
<th>Rupture Disc</th>
<th>Fill Holes</th>
<th>PRD</th>
<th>VRD</th>
<th>Bottom Fittings</th>
<th>Fill Holes</th>
<th>Rupture Disc</th>
<th>PRD</th>
<th>Top Valves</th>
<th>Pressure Plate</th>
<th>Top Fittings</th>
<th>PRD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Torque Procedure</td>
<td>8</td>
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<tr>
<td>Bolt Sizes</td>
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<tr>
<td>Material of Construction</td>
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</tbody>
</table>

### Other:

- Gasket Release Agents
- Not Recommended

### Rupture Disc:

- X = Inspection/Securement Point
- X = Does Not Apply

### Footnotes:

1. Inspect bolts for correct size and quantity.
2. Washer size and quantity - inspect for correct size and quantity.
3. Gaskets - inspect for correct size, material of construction, extruded gaskets or broken gaskets.
4. Gasket Surface - inspect condition for corrosion, damage, dents, pitting, etc.
5. Pipe plugs and caps - inspect for loose pipe plugs or caps and damaged threads, secure tool tight with proper size tool.
6. Thread sealant - inspect for thread sealant on threaded connections, remove old sealant wire brush threads clean, and reapply new sealant.
7. Threaded connections - inspect for loose connections and damaged threads.
8. Flanged connection - inspect for loose fasteners and extruded gasket. Check fasteners for proper torque.
9. Excessive corrosion - of fasteners and caps and plugs.
10. O-ring - inspect visible O-rings that may be swelled, cracked or missing and verify replaced O-rings are the proper size and material for the lading.

### Explanation of Table:

A. Fittings Area - These headings denote the general type of fitting.
B. Component - These are the specific components that may be physically in a fittings area.
C. Numbers in the Table - These numbers refer to the footnotes and tell the product handler what to specifically look for and inspect.

### Recommended Application:

1. These recommended guidelines should be applied to preload inspection, securement after loading, and inspection of residue return empty shipments prior to offering to the carrier.
2. Consider these elements to comply with 49 CFR 173.31(d), “Examination before shipping.”