July 2014

Completed Questionnaire For of March 4th

Vincent C. Barth

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March 16th, 1965

Morgan Construction Company
15 Belmont Street
Worcester, Massachusetts

Att: R. D. Wykes
Engineer
Research Dept.

Subject: Completed Questionnaire Form of March 4th.

With the receipt of your letter of March 12th, we now have complete information to make our recommendations for the fasteners to be used on the rolling mill application.

We recommend the use of our AJ6-60 studs, S6A-225 springs and GH6 steel half grommets. We are forwarding under separate cover 3 each of these parts as samples no charge and also a #5 tool for A6 and a #1 block for A6 which are necessary for installation purposes. These tools are forwarded on an on consignment basis. After evaluation you can either return them to us for credit or forward us an order to cover their cost if you care to keep them.

We are forwarding herewith our drawings IDS-4 and -3 showing how to install the stud into the panel using the above tools. The installation you would be making would be the same as figure 4 of the IDS-3 drawing. You can counterbore either the underside of the cover or top side of the support 2 1/32" diameter by .035 to accommodate the thickness of the grommet.

Naturally, we are most anxious to learn of the results obtained with these samples and would appreciate hearing from you just as soon as you have completed your evaluation of these samples. Any additional information or assistance will be promptly supplied upon request.

Very truly yours,

DZUS FASTENER CO., INC.

Vincent C. Barth
Sales Department

VGB: cam
cc: T.F.
**Instalation Instructions**

**To Install Stud in Panel**

(See reverse side for figures 1 to 7 inclusive)

<table>
<thead>
<tr>
<th>STUD SIZE</th>
<th>PART NO</th>
<th>M</th>
<th>N</th>
<th>O</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>GH3</td>
<td>5/16</td>
<td>3/16</td>
<td>.015</td>
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<tr>
<td>3½</td>
<td>GH3½</td>
<td>3/8</td>
<td>7/32</td>
<td>.025</td>
</tr>
<tr>
<td>4</td>
<td>GH4</td>
<td>7/16</td>
<td>1/4</td>
<td>.025</td>
</tr>
<tr>
<td>5</td>
<td>GH5</td>
<td>5/16</td>
<td>5/16</td>
<td>.031</td>
</tr>
<tr>
<td>6</td>
<td>GH6</td>
<td>5/16</td>
<td>5/16</td>
<td>.031</td>
</tr>
<tr>
<td>7</td>
<td>GH7</td>
<td>5/16</td>
<td>5/16</td>
<td>.040</td>
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</tbody>
</table>

**Installation Tools**

<table>
<thead>
<tr>
<th>FASTENER SIZE</th>
<th>TYPE OF INSTALLATION TOOLS TO USE</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>AH3</td>
</tr>
<tr>
<td>3½</td>
<td>AH3½</td>
</tr>
<tr>
<td>4</td>
<td>AH4</td>
</tr>
<tr>
<td>5</td>
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</tr>
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<td>AH6</td>
</tr>
<tr>
<td>7</td>
<td>AH7</td>
</tr>
</tbody>
</table>

**Operation 1**

**Drill or Punch Standard Size Hole in Panel**

**Fastener Hole Size Dia:**

- 3: 3/16
- 3½: 7/32
- 4: 1/4
- 5: 5/16
- 6: 3/8
- 7: 7/16

**Operation 2**

**Insert Stud & Slip Grommet Over Cam End, as shown**

**Operation 3**

**Flatten Grommet**

**Operation 4**

**Dimple as shown in 4th column for Fig. 2; or bore as shown on reverse side for Fig. 4.**

- **Fastener Size**
  - 3: 0.040
  - 4: 0.050
  - 5: 0.064
  - 6: 0.064
  - 7: 0.064

**Maximum Material Thickness Recommended for Dimpling with These Tools—Thicker Materials Should Be Counter Bored as Shown on Reverse Side.**

DZUS Fastener Co., Inc., Babylon, N.Y.