**EXAMPLE OF PART CALLOUT:**

.281 HOLE, .030 THK., .625 WIDE, 1" DIA., REINFORCED ALUM. BAND W/ EPDM

**NOTES:**

1) IDENTIFICATION NOT TO ENCROACH ON HOLES.
2) IF IDENTIFICATION IS NOT POSSIBLE DUE TO SIZE LIMITATIONS, ONLY "UMPCO" AND DASH NUMBER TO APPEAR OR DASH NUMBER ONLY.
3) ALTERNATE IDENTIFICATION OPTIONS:
   - RUBBER (INK) STAMP IDENTIFY.
   - BULK PACKAGE IDENTIFY WITH "UMPCO" & PART NUMBER AS ACCEPTABLE ALTERNATE METHOD. ADDITIONAL INFO. MAY BE REQ'D, REFER TO CUSTOMER'S REQUIREMENTS.
4) SEE SHEET 2 OF 2 FOR CLAMP DIMENSIONS.
5) REINFORCED CORNERS & BEADED JOGGLER PER DS1010 WHEN SPECIFIED.
6) CLAMPS FURNISHED IN THE NORMAL OPEN (SPRINGBACK) CONDITION.
7) INSPECT PER MIL-C-8603 CLOSURE TEST.

**REFERENCES:**

**LIMITS ON DIMENSIONS UNLESS OTHERWISE SPECIFIED:**

**ANGLES:**

- X
- 5°

**DECIMALS:**

- XX
- .015

**GENERAL MACHINE FINISHES EXCEPT AS NOTED:**

- INTERPRET GEOMETRIC TOLERANCING PER ASME-Y14.5M

**PART AND/OR ASSEMBLY DESCRIPTION:**

- REMOVE ALL BURRS AND BREAK SHARP EDGES .010 MAX
- ACT. WGT.
- -
- CALC. WGT.
- -

**REFERENCES:**

- MATERIAL & FINISH CODES:
  - METAL: "NO CODE"
    - 1008/1020 LOW CARBON STEEL PER ASTM A 1008, ASTM A 109, QQ-S-698
  - "P"
    - FINISH: ZINC PLATE GOLD PER ASTM B 633 FE/ZN 8, TY II
  - "D"
    - 1008/1020 LOW CARBON STEEL PER ASTM A 1008, ASTM A 109, QQ-S-698
    - FINISH: ZINC PLATE GOLD PLUS SEALER PER ASTM B 633 FE/ZN 8, TY II
  - "5S"
    - 304/321 STAINLESS STEEL PER AMS 5513/AMS 5510
    - FINISH: NONE
  - CUSHION:
    - "G" GENERAL PURPOSE EPDM PER SAE J200M3BA71OC12
    - COLOR: BLACK
    - "H" GENERAL PURPOSE SILICONE PER AMS 3303 WITH 100 PSI MIN. TEAR
    - COLOR: RED/ORANGE
    - "N" GENERAL PURPOSE NEOPRENE PER AMS 3209
    - COLOR: BLACK

**NOTES:**

- REMOVE ALL BURRS AND BREAK SHARP EDGES .010 MAX
- GENERAL MACHINE FINISHES UNLESS OTHERWISE SPECIFIED:
  - INTERPRET GEOMETRIC TOLERANCING PER ASME-Y14.5M
- PROPRIETARY AND CONFIDENTIAL
  - THIS DRAWING IS THE SOLE PROPERTY OF UMPCO, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF UMPCO, INC IS PROHIBITED.

**DRAWN: 04/29/96**

**CHECKED: 05/23/96**

**ENGR: 05/23/96**

**SHEET 1 OF 2**
### CHART I

**HOLE STYLE CODES & DIMENSIONS**

<table>
<thead>
<tr>
<th>CODE</th>
<th>HOLE STYLE 1</th>
<th>HOLE STYLE 2</th>
<th>HOLE STYLE 3</th>
<th>HOLE STYLE 4</th>
<th>HOLE STYLE 5</th>
<th>HOLE STYLE 6</th>
<th>HOLE STYLE 7</th>
<th>HOLE STYLE 8</th>
<th>HOLE STYLE 9</th>
<th>HOLE STYLE 10</th>
<th>HOLE STYLE 11</th>
<th>HOLE STYLE 12</th>
</tr>
</thead>
<tbody>
<tr>
<td>&quot;H 1&quot;</td>
<td>.173 THRU</td>
<td>.204 THRU</td>
<td>.204 THRU</td>
<td>.218 THRU</td>
<td>.265 THRU</td>
<td>.281 THRU</td>
<td>.281 THRU</td>
<td>.344 THRU</td>
<td>.406 THRU</td>
<td>.438 THRU</td>
<td>.468 THRU</td>
<td>.531 THRU</td>
</tr>
<tr>
<td>&quot;H 2&quot;</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>.375 THRU</td>
<td>.375 THRU</td>
<td>.438 THRU</td>
<td>.500 THRU</td>
<td>.531 THRU</td>
<td>.562 THRU</td>
<td>.625 THRU</td>
<td></td>
</tr>
<tr>
<td>&quot;W&quot;</td>
<td>6</td>
<td>6</td>
<td>8</td>
<td>8</td>
<td>8, 10, 12</td>
<td>8, 10, 12</td>
<td>10, 12</td>
<td>10, 12</td>
<td>12, 16</td>
<td>12, 16</td>
<td></td>
<td></td>
</tr>
<tr>
<td>&quot;X&quot;</td>
<td>.188</td>
<td>.188</td>
<td>.218</td>
<td>.218</td>
<td>.218</td>
<td>.312 THRU</td>
<td>.312 THRU</td>
<td>.440 THRU</td>
<td>.440 THRU</td>
<td>.440</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-2</td>
<td>&quot;D&quot;/2 + .312</td>
<td>&quot;D&quot;/2 + .405</td>
<td>&quot;D&quot;/2 + .468</td>
<td>&quot;D&quot;/2 + .468</td>
<td>&quot;D&quot;/2 + .395</td>
<td>&quot;D&quot;/2 + .395</td>
<td>&quot;D&quot;/2 + .395</td>
<td>&quot;D&quot;/2 + .395</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-3 TO -8</td>
<td>&quot;D&quot;/2 + .312</td>
<td>&quot;D&quot;/2 + .468</td>
<td>&quot;D&quot;/2 + .468</td>
<td>&quot;D&quot;/2 + .468</td>
<td>&quot;D&quot;/2 + .312</td>
<td>&quot;D&quot;/2 + .312</td>
<td>&quot;D&quot;/2 + .312</td>
<td>&quot;D&quot;/2 + .312</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-9 TO -12</td>
<td>&quot;D&quot;/2 + .452</td>
<td>&quot;D&quot;/2 + .452</td>
<td>&quot;D&quot;/2 + .452</td>
<td>&quot;D&quot;/2 + .452</td>
<td>&quot;D&quot;/2 + .452</td>
<td>&quot;D&quot;/2 + .452</td>
<td>&quot;D&quot;/2 + .452</td>
<td>&quot;D&quot;/2 + .452</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-13 TO -16</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>&quot;D&quot;/2 + .452</td>
<td>&quot;D&quot;/2 + .452</td>
<td>&quot;D&quot;/2 + .452</td>
<td>&quot;D&quot;/2 + .452</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-17</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>&quot;D&quot;/2 + .468</td>
<td>&quot;D&quot;/2 + .468</td>
<td>&quot;D&quot;/2 + .468</td>
<td>&quot;D&quot;/2 + .468</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-18 TO -30</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>&quot;D&quot;/2 + .452</td>
<td>&quot;D&quot;/2 + .452</td>
<td>&quot;D&quot;/2 + .452</td>
<td>&quot;D&quot;/2 + .452</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-31 TO -32</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>&quot;D&quot;/2 + .475</td>
<td>&quot;D&quot;/2 + .475</td>
<td>&quot;D&quot;/2 + .475</td>
<td>&quot;D&quot;/2 + .475</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### CHART II

**"T" METAL GAUGE AND "R" RADIUS**

<table>
<thead>
<tr>
<th>CODE</th>
<th>GAUGE</th>
<th>RADIUS</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>.020</td>
<td>.062</td>
</tr>
<tr>
<td>B</td>
<td>.030</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>.040</td>
<td></td>
</tr>
<tr>
<td>D</td>
<td>.050</td>
<td>.109</td>
</tr>
<tr>
<td>E</td>
<td>.060</td>
<td>.125</td>
</tr>
</tbody>
</table>

### CHART III

**"G" GAP ± .015**

<table>
<thead>
<tr>
<th>FOR DASH NUMBER:</th>
<th>HOLE STYLE CODES</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 THRU 5</td>
<td>6 THRU 8</td>
</tr>
<tr>
<td>-2 THRU -16</td>
<td>.070</td>
</tr>
<tr>
<td>-17 THRU -32</td>
<td>.109</td>
</tr>
</tbody>
</table>