The below illustrated thermocouples are most commonly used in the mixing of rubber compounds and other abrasive substances. All standard thermocouples are individually tested to meet or surpass the Industry Time Response Test Standard. Thermocouples are supplied with grounded hot junctions as standard. Thermocouples may be ordered with a choice of either a hard-chrome plated tip, or with a XH-5 coated tip that provides greater abrasion and wear resistance.

**ORDER CODES**

**Example Order Number:**

```
J050G - CM - 10 - 31
```

1. **Measuring Element**
   - **CODE**
   - **ELEMENT TYPE**
   - **SINGLE**
   - **DUPLEX**
   - **J050G**
   - **JJ050G**
   - Type J thermocouple

   To order type K thermocouple replace 'J' in the above order code with desired (K).

2. **Mounting Configuration**
   - **CODE**
   - **HARD CHROME-PLATED TIP**
   - **XH-5 COATED TIP**
   - **MOUNTING NOTCH CONFIGURATION**
   - **TYPICAL APPLICATION BY MIXER MODELS**
   - **FIG. NO.**

<table>
<thead>
<tr>
<th>HARD CHROME-PLATED TIP</th>
<th>XH-5 COATED TIP</th>
<th>MOUNTING NOTCH CONFIGURATION</th>
<th>TYPICAL APPLICATION BY MIXER MODELS</th>
<th>FIG. NO.</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>12</td>
<td>3 notch (square)</td>
<td>11D, F80, 9D, 3D</td>
<td>1</td>
</tr>
<tr>
<td>20</td>
<td>22</td>
<td>2 notch (triangular)</td>
<td>F270, F620</td>
<td>2</td>
</tr>
<tr>
<td>20E</td>
<td>22E</td>
<td>2 notch (triangular) w/ nipple extension</td>
<td>F370, F620</td>
<td>3</td>
</tr>
<tr>
<td>40</td>
<td>42</td>
<td>1 notch (triangular)</td>
<td>F270</td>
<td>4</td>
</tr>
</tbody>
</table>

   Applications are typical, but may vary by machine.

3. **Termination Options**
   - **CODE**
   - **ELEMENT TYPE**
   - **31**
   - Aluminum screw-cover head
   - **49**
   - Aluminum flip-top head
   - **[1]K1_ _ _**
   - Polyimide - solid conductor

   \[1\] Specify lead length in inches using 3 digits.

**Critical Sensor Dimensions**

<table>
<thead>
<tr>
<th>MOUNTING CONFIG. CODE</th>
<th>FIG. NO.</th>
<th>DIMENSIONS (inches)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 or 12</td>
<td>1</td>
<td>9 1/16, 13 13/16, 10 5/16</td>
</tr>
<tr>
<td>20 or 22</td>
<td>2</td>
<td>13 31/32, 15 31/32</td>
</tr>
<tr>
<td>20E or 22E</td>
<td>3</td>
<td>13 31/32, 15 31/32</td>
</tr>
<tr>
<td>40 or 42</td>
<td>4</td>
<td>10 7/32</td>
</tr>
</tbody>
</table>

All mill slots are 5/16” wide. Abrasion-resistant tips are 0.625” O.D. x 1/2” long.