GENERAL DESCRIPTION
The Starbar TW element is a higher density element, used in severe applications such as corrosive atmospheres or where normal RR type elements do not provide acceptable service life. The TW element has a typical density 10 to 12% higher than normal RR elements. This higher density results in slower oxidation and aging, which yields longer element life. The dimensions and electrical properties of the TW element are similar to those of the RR element, therefore, a TW element may be interchanged directly for an RR element. The TW element due to its higher density may be more prone to thermal shock during installation into hot furnaces. Special care should be used not to thermal shock new elements during installation and heat up.

TW Starbars are described by giving the overall length, the heating section length, and the diameter. As an example, TW 43 x 24 x 1 is a Starbar 43” overall with a 24” hot zone, and 1” in diameter.

SIZES AVAILABLE
TW elements are available in diameters of 5/8” through 2-1/8”. For minimum and maximum heated lengths and overall lengths please contact our office.

<table>
<thead>
<tr>
<th>TW Dimensions</th>
<th>** TW Electrical Resistance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diameter</td>
<td>Ohms Hot Zone</td>
</tr>
<tr>
<td>MM</td>
<td>Inch</td>
</tr>
<tr>
<td>16</td>
<td>5/8</td>
</tr>
<tr>
<td>19</td>
<td>3/4</td>
</tr>
<tr>
<td>25</td>
<td>1</td>
</tr>
<tr>
<td>32</td>
<td>1-1/4</td>
</tr>
<tr>
<td>38</td>
<td>1-1/2</td>
</tr>
<tr>
<td>44</td>
<td>1-3/4</td>
</tr>
<tr>
<td>54</td>
<td>2-1/8</td>
</tr>
</tbody>
</table>

** All resistance values are +/-20%