1.02.01
Fin strip elements

**Description**
Tubular element with diam. 8.5 mm and 14 mm can be fitted with fins, stripped vertically on the element. The fins increase the radiating area and reduce the surface temperature on the element without losing heat transfer. Alternatively higher surface temperature can be used to decrease the size of the element. The heating element can be manufactured with connection at one or two ends.

**Technical specification**

<table>
<thead>
<tr>
<th>Material</th>
<th>Steel – Grade D</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stainless steel:</td>
<td>AISI 304/EN1.4301</td>
</tr>
<tr>
<td></td>
<td>AISI 316L/EN 1.4404</td>
</tr>
<tr>
<td></td>
<td>Incoloy 800/EN 1.4876</td>
</tr>
<tr>
<td></td>
<td>R 323/EN1.4828</td>
</tr>
<tr>
<td>Band material:</td>
<td>see table beside</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Tube diam. 8.5 mm, 14 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assembly</td>
<td>Nipples, fixing plate etc. acc. to customer spec.</td>
</tr>
<tr>
<td>Connection</td>
<td>M4, cables, flat pin acc. to customer spec.</td>
</tr>
<tr>
<td>Designs</td>
<td>One- or two-end connection</td>
</tr>
<tr>
<td>Voltage</td>
<td>120-440 V</td>
</tr>
<tr>
<td>Safety</td>
<td>The elements meet requirements acc. to EN 60335-1</td>
</tr>
<tr>
<td>Others</td>
<td>Can be soldered for higher performance</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type</th>
<th>Band-material</th>
<th>Ext. diam D (mm)</th>
<th>Diam elem d (mm)</th>
<th>Pitch S (mm)</th>
<th>Bending-radius (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>280 S</td>
<td>SS 1160</td>
<td>28</td>
<td>8,5</td>
<td>6</td>
<td>25</td>
</tr>
<tr>
<td>280 R</td>
<td>AISI 304</td>
<td>28</td>
<td>8,5</td>
<td>6</td>
<td>25</td>
</tr>
<tr>
<td>340 S</td>
<td>SS 1160</td>
<td>34</td>
<td>14</td>
<td>9</td>
<td>30</td>
</tr>
<tr>
<td>340 R</td>
<td>AISI 304</td>
<td>34</td>
<td>14</td>
<td>9</td>
<td>30</td>
</tr>
</tbody>
</table>

**Benefits**
- Reduced surface temperature
- Increased radiation area
- Compact design of application possible

**Fields of application**
- Radiators
- Convecors
- IR-radiators
- Heat curtains
- Sterilizers
- Ovens