HRC 150S – Stainless Steel T-headed bars

HRC 150S stainless steel T-headed bars combine the high performance of standard HRC 100 Series with the enhanced corrosion resistance of stainless steel.

- **Enhanced corrosion resistance, and...**
- High performance → **Structural integrity**
- Safe and easy handling at site → **Improved working conditions**
- Fast installation and improved constructability → **Shorter construction time**
- Shorter anchoring lengths → **Reduced material costs**
- Possible to combine black steel with white steel → **Reduced material costs**

**T-heads are most effective in terms of space and material.**

**Potential application: lap splice of prefabricated elements. Use of headed bars for short splice length.**

**HRC 150S T-heads provide a robust, space saving mechanical anchorage and minimize the use of stainless-steel material by replacing anchorage length, hooks or bends.**

**HRC 150S stainless steel T-heads can be used with both “black” carbon rebar and stainless-steel rebar. The combination carbon rebar and stainless T-heads is an economical “problem solver” for concrete cover issues.**
HRC 150S - Geometry:
The geometry is identical to the HRC 150 carbon steel T-headed bars.

<table>
<thead>
<tr>
<th>Nominal rebar size</th>
<th>16mm</th>
<th>20mm</th>
<th>25mm</th>
<th>32mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>T-head diameter l [mm]</td>
<td>50</td>
<td>65</td>
<td>80</td>
<td>100</td>
</tr>
<tr>
<td>T-head thickness E [mm]</td>
<td>12</td>
<td>16</td>
<td>20</td>
<td>25</td>
</tr>
</tbody>
</table>

Material:
HRC 150S T-headed bars can be supplied in two material combinations:

<table>
<thead>
<tr>
<th>T-head plate</th>
<th>Rebar</th>
</tr>
</thead>
<tbody>
<tr>
<td>Combination 1</td>
<td>Duplex stainless steel 1.4462</td>
</tr>
<tr>
<td>Combination 2</td>
<td>Duplex stainless steel 1.4462</td>
</tr>
</tbody>
</table>

T-head plate: The duplex stainless steel material has a high corrosion resistance and can be used in aggressive environments.

Rebar: according to EN 1992-1-1, Annex C, with nominal yield strength of 500 MPa and national- or project requirements.

HRC 150S - Performance and Certification
HRC 150S T-headed bars are tested and certified acc. ISO 15698 for category B3. This implies the development of at least 95% of the actual tensile strength of the rebar and at the full nominal elongation at maximum load (A_{et}). However, tests have shown a ductile rupture of the rebar, even at loads above 800 MPa.