## Specification

<table>
<thead>
<tr>
<th>VAUTID TSG-W4</th>
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</table>

### Material type

**Alloy components**
- White cast iron in VAUTID specific composition; main components: Fe, Cr, Ni, Mn, Si, C
- Hypoeutectic cast structure of primary austenite and chrome-carbide-eutectic
  (Cr7C3 + austenite)

### Characteristics

- Highly abrasion resistant, suitable for moderate impact loads. Not weldable, not malleable. Cannot be machined. Delivery condition: as cast (not heat-treated)

### Properties

- Hardness: approx. 50 - 55 HRC*

### Recommended applications

- Particularly suitable for thin-walled components up to approx. 30mm in thickness, e.g. mixer blades, tile linings and impact plates. Cannot be used for self-supporting structures
- Can be used up to approx. 350° C

* When using wear-resistant alloyed cast iron, tensile strength and other mechanical properties only have limited significance and cannot, e.g., be applied for calculations / simulations. The guideline values are therefore not usually verified

### Mechanical properties:

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bending strength</td>
<td>1200 Mpa</td>
</tr>
<tr>
<td>Tensile strength</td>
<td>380 Mpa</td>
</tr>
<tr>
<td>Hardness</td>
<td>approx. 50 - 55 HRC</td>
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</tbody>
</table>

*Measured values are subject to standard industry fluctuations

This data sheet complies with the current manufacturing techniques (October 2016) and may be altered without advance notification.

**VAUTID W4**

High-alloyed and highly wear-resistant Cr chilled iron

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