VAUTID W3
High-alloyed and highly wear-resistant Cr-Ni chilled iron

Specification

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**VAUTID TSG-W3**

**Material type**
White cast iron in VAUTID specific composition; main components: Fe, Cr, Ni, Mn, Si, C

**Alloy components**
Hypoeutectic cast structure of primary austenite with iron carbides (Fe3C + austenite) in partially martensitic matrix

**Characteristics**
Highly abrasion resistant, suitable for low impact loads. Cannot be machined. As cast (without heat-treatment), not weldable or malleable

**Properties**
Hardness: approx. 56 - 62 HRC*

**Recommended applications**
Particularly suitable for thin-walled components up to approx. 30mm in thickness, e.g. mixer blades and linings. Cannot be used for self-supporting structures. Can be used up to approx. 400°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:**

| Bending strength | 550 Mpa |
| Tensile strength | 160 Mpa |
| Hardness        | approx. 56 - 62 HRC |

*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.