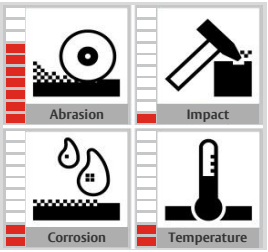
VAUTID W3

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

VAUTID material profile



Specification	**VAUTID TSG-W3**
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 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.

*Measured values are subject to standard industry fluctuations

Mechanical properties:*

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

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

VAUTID GROUP
Brunnwiesenstr. 5
D-73760 Ostfildern

Telephone: + 49 711 / 44 04-0
Fax: + 49 711 / 44 20 39

E-mail: vautid@vautid.de
Web: www.vautid.com