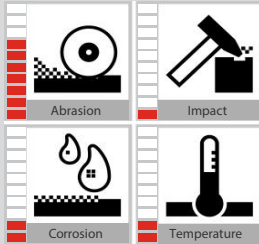


VAUTID W3

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

VAUTID®

VAUTID material profile



Specification	VAUTIDTSG-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 (Fe ₃ C + 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 thinwalled components up to approx. 30mm in thickness, e.g. mixer blades and linings. Cannot be used for selfsupporting 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.