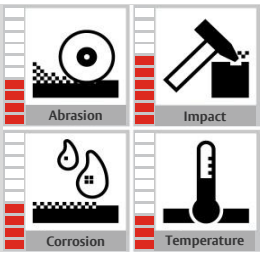
VAUTID W4

High-alloyed and highly wear-resistant Cr chilled iron

VAUTID®

VAUTID material profile



Specification	VAUTID TSG-W4
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

*Measured values are subject to standard industry fluctuations

Mechanical properties:*

Bending strength Mpa	1200
Tensile strength Mpa	380
Hardness HRC	approx. 50 - 55

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

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