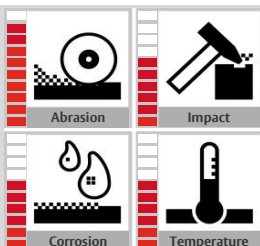


VAUTID W78A

High-alloyed and highly wear-resistant Cr-Mo cast iron

VAUTID®

VAUTID material profile



Specification	VAUTID TSG-W78A
Material type Alloy components	White cast iron in VAUTID specific composition; main components: Fe, Cr, Ni, Mn, Mo, Si, C Hypoeutectic cast structure of primary austenite and chrome-carbide-eutectic (Cr ₇ C ₃ + austenite). Heat treatment transforms the austenite into martensite with secondary carbide precipitations
Characteristics	Highly abrasion resistant, suitable for moderate impact loads. Can be machined after annealing treatment, but not in hardened condition. Not weldable or malleable
Properties	Hardness: approx. 59 - 65 HRC*
Recommended applications	Particularly suitable for components thicker than 40mm, e.g. baffle plates, impact plates and hammers. 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	1100
Tensile strength Mpa	360
Hardness HRC	approx. 59 - 65



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