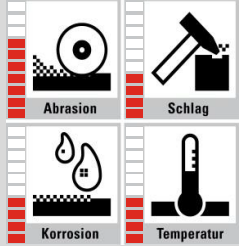


VAUTID W7

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

VAUTID®

VAUTID material profile



| | |
|-----------------------------------|--|
| Specification | VAUTID TSG-W7 |
| Material type Alloy components | White cast iron in VAUTID specific composition; main components: Fe, Cr, Mn, 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. 58 - 64 HRC* |
| Recommended applications | Particularly suitable for components up to approx. 30mm, e.g. hammers, friction discs, rotors and extruders. 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:*

*Measured values are subject to standard industry fluctuations

| | |
|-------------------------|-----------------|
| Bending strength Mpa | 1350 |
| Tensile strength Mpa | 370 |
| Hardness HRC | approx. 58 - 64 |



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