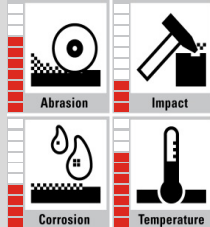


# VAUTID 100T

Wear plate for highly wear resistant hardfacing even at elevated temperatures



## VAUTID Material characteristics



<b>Base materials</b>	All weldable steels, mostly boiler plates
<b>Material type</b> <b>Alloy components</b>	High-chromium/ high-carbon special-alloy on iron base with nickel and manganese additions C – Cr – Ni – Fe
<b>Recommended applications</b>	At high abrasive wear and high temperatures up to 550° C on average corrosion- and impact stress
<b>Weld deposit properties</b>	Hardness (acc. DIN 32525-4): approx. 700 HV10, 60 HRC*
<b>Main industries</b>	Metallurgical plant, cement industry, chemical industry, petrochemical industry, etc.
<b>Typical machine parts</b>	Chutes, sieves, fans, fan housings, cyclones, transfer units, grids, etc.
<b>Handling</b>	<ul style="list-style-type: none"> <li>- Conventional machining possible only by grinding</li> <li>- Thermal cutting using laser, plasma or water jet cutting</li> <li>- Cold working from diameter 300 mm possible with hard facing inside <sup>(1)</sup></li> <li>- Cold working from diameter 450 mm possible with hard facing outside <sup>(1)</sup></li> <li>- Fixing by welding or bolting on the base material</li> <li>- Constructions comparable with conventional steel construction</li> </ul>

(1) dependent on thickness of plates

\* subject to common industrial fluctuations

## Forms of delivery:

Formats (mm)	Thickness of the plates Base material + Hardfacing (mm)	Material Layers	Comments
Standard formats 2.400 x 1.150 <sup>(2)</sup> 2.900 x 1.400 <sup>(2)</sup>	5+3 <sup>(3)</sup> , 6+4, 6+6, 8+5, 8+6, 8+8, 10+5, 10+10 Further combinations on demand	≤ 6 mm: 1 Layer > 6 mm: 2 - 4 Layers	Base material 5 mm: Hardfacing 3 mm Base material 6 mm: Hardfacing 3-6 mm Base material ≥ 8 mm: Hardfacing 3-20 mm
Special body Up to 3.900 x 1.900 <sup>(2)</sup>	On demand	≤ 6 mm: 1 Layer > 6 mm: 2 - 4 Layers	Base material 6 mm: Hardfacing 4-6 mm Base material ≥ 8 mm: Hardfacing 4-20 mm

This data sheet corresponds to the present state of production (October 2016) and can be changed anytime.

<sup>(2)</sup> Hardfaced area  
<sup>(3)</sup> max. 2.900 x 1.400 mm

**VAUTID GROUP**  
Brunnwiesenstr. 5  
73760 Ostfildern

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

E-Mail: [vautid@vautid.de](mailto:vautid@vautid.de)  
Web: [www.vautid.com](http://www.vautid.com)