

# VAUTID 100

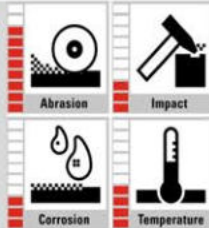
Wear plate for highly wear resistant hardfacing



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## VAUTID Material characteristics



<b>Base materials</b>	All weldable steels, mostly structural steels
<b>Material type Alloy components</b>	High-chromium/ high-carbon alloy on iron base C – Cr – Fe
<b>Recommended applications</b>	In case of high abrasive wear and moderate up to normal impact up to 350° C
<b>Weld deposit properties</b>	Hardness (acc. DIN 32525-4): appr. 740 HV10, 62 HRC*
<b>Main industries</b>	Steel industry, cement industry, power stations, mining, sand and gravel industry, concrete industry, glass industry, recycling industry, timber wood industry, chemical industry, petrochemical industry, etc.
<b>Typical machine parts</b>	Chutes, screens, transfer units, bunkers, tubes, concrete mixers, mill linings, cyclones, separators, bucket-wheel linings, excavator bucket linings, tractor shovel front edges, dust and ash ducts, fans, fan housings, 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 (1)</li> <li>- Cold working from diameter 450 mm possible with hard facing outside (1)</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>	3+3 <sup>(3)</sup> , 5+3 <sup>(4)</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.

(2) Hardfaced area  
(3) only 2.400 x 1.150 mm  
(4) max. 2.900 x 1.400 mm

**VAUTID GROUP**  
Brunnwiesenstr. 5  
73760 Ostfildern  
Web: [www.vautid.com](http://www.vautid.com)

Distributed by:  
Temsol Innovation Co.,Ltd.  
341/193 Soi Sukhumvit 101/1 T.Bangchak  
A.Phrakhanong Bangkok 10260 Thailand

Phone : +6684 668 4871  
+6665 116 3951  
Email : [monara@temsolinv.com](mailto:monara@temsolinv.com),  
[t000003@temsolinv.com](mailto:t000003@temsolinv.com)

Web :  
[www.temsolinv.com](http://www.temsolinv.com)