VAUTID 150
Wear plate for highly wear resistant hardfacing

VAUTID Material characteristics

Base materials
All weldable steels, mostly structural steels

Material type
High-chromium/high-carbon alloy on iron base with special carbides and eutectic boron
C – Cr – B – Fe

Alloy components

Recommended applications
At very high abrasive wear allowing only one hardfacing layer for metallurgical reasons,
average corrosion- and low impact stress at temperatures up to 350°C

Weld deposit properties
Hardness: (acc. DIN 32525-4): approx. 750 HV10, approx. 63 HRC*

Main industries
Metallurgical plants, cement industry, glass industry, power stations, mining, etc.

Typical machine parts
Chutes, transfer stations, etc.

Handling
- Conventional machining possible only by grinding
- Thermal cutting using laser, plasma or water jet cutting
- Cold working from diameter 300 mm possible with hard facing inside (1)
- Cold working from diameter 450 mm possible with hard facing outside (1)
- Fixing by welding or bolting on the base material
- Constructions comparable with conventional steel construction

Forms of delivery:

<table>
<thead>
<tr>
<th>Formats (mm)</th>
<th>Thickness of the plates Base material + Hardfacing mm</th>
<th>Material Layers</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard formats</td>
<td>2.400 x 1.150 (2) 2.000 x 1.400 (2)</td>
<td>5+3 (2), 6+4, 6+6, 8+5, 8+6, 10+5 Further combinations on demand</td>
<td>1 Layer</td>
</tr>
<tr>
<td>Special body</td>
<td>Up to 3,900 x 1,900 (2)</td>
<td>On demand</td>
<td>1 Layer</td>
</tr>
</tbody>
</table>

* subject to common industrial fluctuations

1) dependent on thickness of plates

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

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(2) Hardfaced area
(1) max. 2.900 x 1.400 mm