VAUTID 130
Wear plates for highly wear resistant hardfacing

Base materials
All weldable steels, mostly structural steels

Material type
Alloy components
High-chromium/ high-carbon alloy on iron base with boron additions. C – Cr – B – Fe

Recommended applications
In case of high abrasive wear at medium corrosion and low impact up to 350° C.

Weld deposit properties
Hardness (acc. DIN 32525-4): approx. 750 HV10, approx. 62 HRC*

Main industries
Safe construction, security industry

Typical machine parts
Security and safe-plates

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 (1) dependent on thickness of plates

* subject to common industrial fluctuations

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>5+3 (3), 6+4, 6+6, 8+5, 8+6, 8+8, 10+5, 10+10 Further combinations on demand</td>
<td>≤ 6 mm: 1 Layer &gt; 6 mm: 2 - 4 Layers</td>
<td>Base material 5 mm: Hardfacing 3 mm Base material 6 mm: Hardfacing 3 - 6 mm Base material ≥ 8 mm: Hardfacing 3 - 20 mm</td>
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<td>Special body</td>
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(1) dependent on thickness of plates
(2) Hardfaced area
(3) max. 2.900 x 1.400 mm

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

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