

VAUTID 150

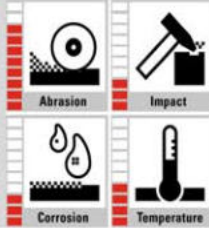
Wear plate for highly wear resistant hardfacing



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VAUTID Material characteristics



Base materials	All weldable steels, mostly structural steels
Material type Alloy components	High-chromium/high-carbon alloy on iron base with special carbides and eutectic boron C – Cr – B – Fe
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	<ul style="list-style-type: none"> - 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:

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

(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.