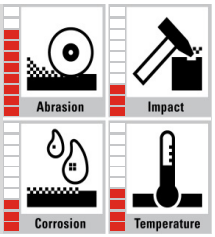
VAUTID 100

Wear plate for highly wear resistant hardfacing

VAUTID®

VAUTID Material characteristics



Base materials	All weldable steels, mostly structural steels
Material type **Alloy components**	High-chromium/ high-carbon alloy on iron base C – Cr – Fe
Recommended applications	In case of high abrasive wear and moderate up to normal impact up to 350° C
Weld deposit properties	Hardness (acc. DIN 32525-4): appr. 740 HV10, 62 HRC*
Main industries	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.
Typical machine parts	Chutes, screens, transfer units, bunkers, tubes, concrete mixers, mill linings, cyclones, seperators, bucket-wheel linings, excavator bucket linings, tractor shovel front edges, dust and ash ducts, fans, fan housings, 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

(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)	3+3 (3), 5+3 (4), 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 (2)	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

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