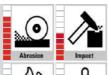
VAUTID 143

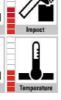
Wear plates for highly wear resistant hardfacing and medium impact



VAUTID Material characteristics









| Base materials | All weldable steels, mostly structural steels | | |
|-----------------------------------|---|--|--|
| Material type Alloy components | High-chromium/high-carbon alloy on iron base with embedded NB carbides $C-Cr-Nb-Fe$ | | |
| Recommended applications | Similar to VAUTID 100 but with higher resistance against abrasion and impact, average resistance against corrosion and temperatures up to 350° C | | |
| Weld deposit properties | Hardness (acc. DIN 32525-4): approx. 750 HV10, approx. 62 HRC* | | |
| Main industries | Mining, glass industry, metallurgical plant, cement works, power stations, etc. | | |
| Typical machine parts | Chutes, sieves, transfer stations, bunkers, mill linings, dust and ash ducts, 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

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, 8+8, 10+5, 10+10 Futher combinations on demand | ≤ 6 mm: 1 Layer > 6 mm: 2 - 4 Layers | Base material 5 mm: Hardfacing 3 mm Base material 6 mm: Hardfacing3 - 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 |

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

(2) Hardfaced area (3) max. 2.900 x 1.400 mm

mm

^{*} subject to common industrial fluctuations