

WD1800 series

Abrasion Resistant Complex Carbide Overlay



WD1800 is complex carbide composite cladding fusion bonded to a mild steel backing plate. WD1800 wear plate is suitable for application involving high abrasion at elevated temperature up to 900 °C.

| Chemical Composition(%) | C | Cr | Mn | Si | Mo+Ni+V+Nb+W | Fe |
|-------------------------|--|-----------|----|----|--------------|------|
| | 4.0-7.0 | 25.0-40.0 | - | - | * | Bal. |
| Hardness | HRC 58-65 | | | | | |
| Standard Thickness(mm) | 6+6; 8+6; 8+8; 10+10; 12+12; 12+17; 14+26; 12+32; etc (overlay thickness up to 50mm) | | | | | |
| Standard Sheet Size(mm) | 1400*3500; 2100*3500 (Customized size available) | | | | | |
| ASTM G65 Procedure A | 0.09 - 0.16g | | | | | |
| Operating Temperature | <900°C | | | | | |
| Base Metal Material | Q235B, Q345B; A36; S235JR and structural steels | | | | | |
| Main Industry | Mining, glass industry, cement plant, steel mill, power plant, bulk material handling, etc | | | | | |
| Fabrication | Plasma cutting, Gouging, Countersunk, stud bolt, Bending | | | | | |

Note: Carbon and Chromium content varies in different plate

[Contact us](#) for more details

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