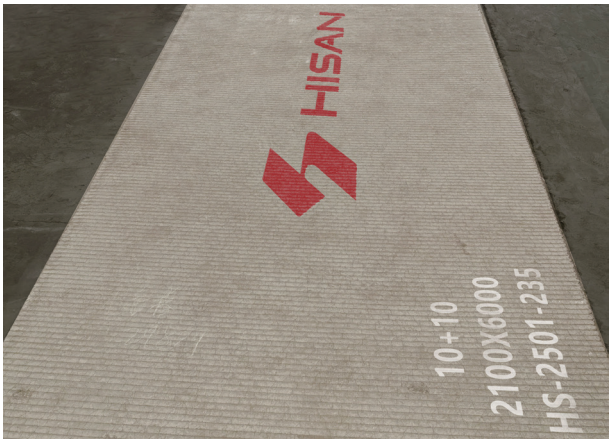
HISAN



HS300 *Complex Carbide Overlay Wear Plates*

HS300 is manufactured by metallurgically cladding a high concentration of composite carbides – including chromium carbide, niobium carbide, molybdenum carbide, vanadium carbide, and titanium carbide onto a mild steel backing material. These carbides are evenly distributed throughout the uniform thickness of the overlay layer, achieving exceptional wear resistance while maintaining excellent ductility and enabling forming and welding capabilities.

HS300 wear plate is suitable for applications involving high abrasion and medium to high impact environments.

- ***Bulk Hardness: HRC 58-65***

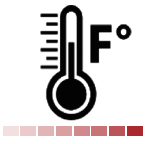
TYPICAL PROPERTIES

Element	C	Si	Mn	Cr	Mo+Nb+Ti+V+W	Others
Content	3.0-7.5%	0.5-2.5%	0.5-2.5%	25-35%	⩾ 2.5%	Bal

SIZE

Standard plate size(mm)	1400*3000	1400*3500	1500*3000	2000*3000	2100*3500	2100*6000	2200*11000
Overlay thickness(mm)	3-80						
Base material thickness(mm)	3-150						
Common thickness Base+Overlay(mm)	3+3 4+4...6+4 6+6 8+6 8+8 10+9 10+10 8+12 12+12... 12+17 10+20 12+30...14+40 16+50 20+80...						

Other sizes and thicknesses available on request.



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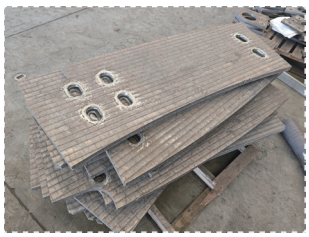
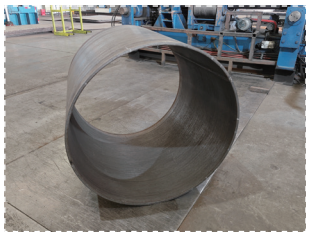
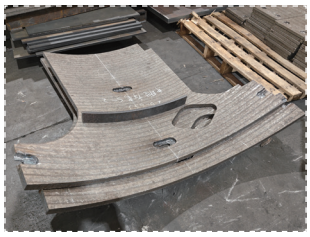
FABRICATION

The backing steel plate provides Hisan plates with structural integrity, which makes our overlay plates fabricated without damage to the welding overlay, regardless of the shape and complexity of the structure. Hisan has the capability to manufacture cut to size wear parts, fabrication includes:

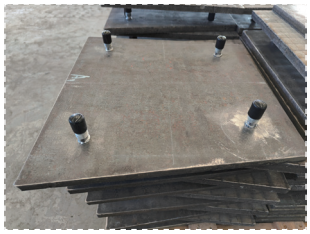
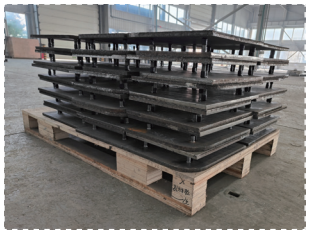
Cutting, Punching



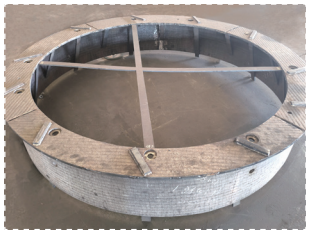
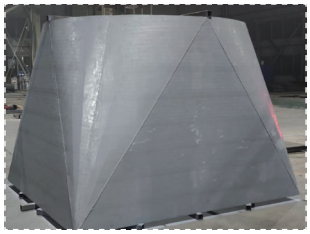
Bending

Bolting

Assembling

APPLICATION

The overlay plate is widely used in mining, iron&steel, port, cement, concrete, aggregate, asphalt, coal-fired power, metal recycling, glass production, sugar, dredging, foundry, pulp and paper industries. Different overlay grades are available to suit various working conditions.

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