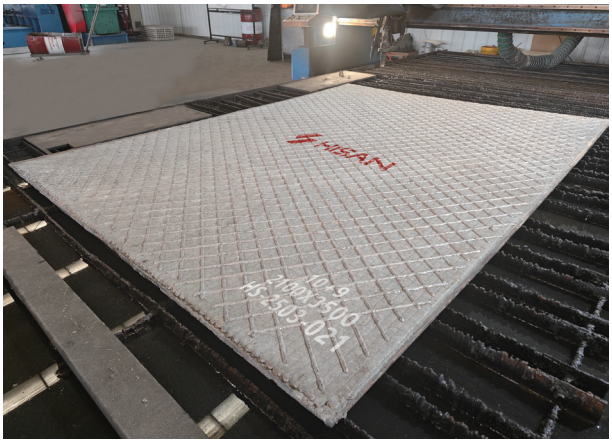
HISAN



HS-X *Customized Complex Carbide Overlay Wear Plates*

HS-X adopts advanced overlay welding technology, metallurgically cladding a high concentration carbide alloy layer onto a mild steel backing material to form a composite material with exceptional wear resistance. This product can be customized according to customers' specific requirements, including dimensions, shapes, alloy compositions, and performance specifications, to meet the high wear resistance demands in various industrial applications.

HS-X wear plate can meet customers' requirements for various operating environments.

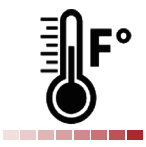
- ***Bulk Hardness: HRC 58-65***

TYPICAL PROPERTIES

Element	C	Si	Mn	Cr	Mo,Nb,Ni,Ti,V,W,B,ect.	Others
Content	3.5-7.5%	0.5-2.5%	0.5-2.5%	30-40%	Upon request	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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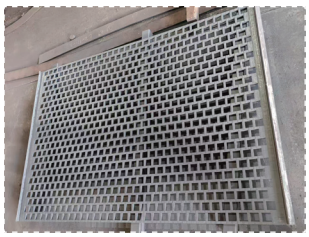
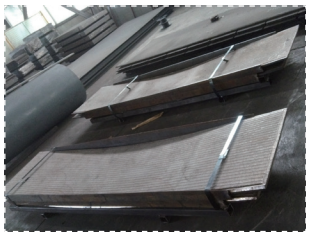
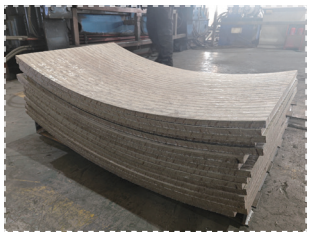
FABRICATION

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:

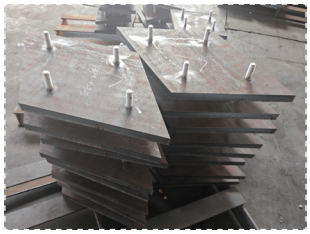
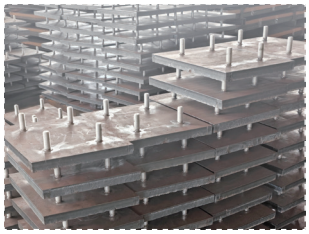
Cutting, Punching



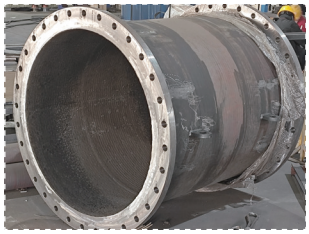
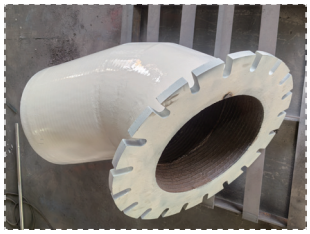
Bending

Bolting

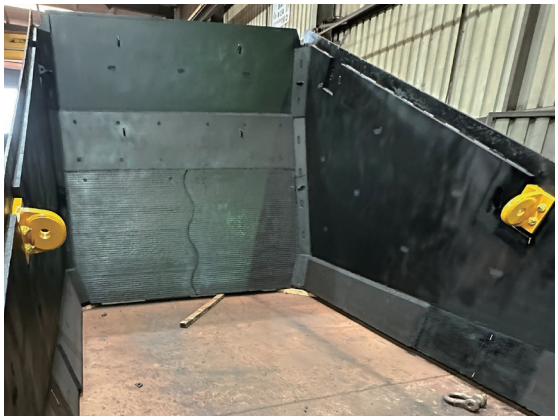



Assembling

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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