HISAN

HS-F *Fused Alloy Smooth Surface CCO Plates*

Fused alloy smooth surface plate is produced by depositing high chromium high carbon overlay on to mild steel base metal. The product surface is smooth without welding beads, which ensuring uninterrupted material flow during conveying, reducing material adhesion and residue. This enhances work efficiency and lowers maintenance costs. The Fused alloy surface plates offer excellent abrasion resistance and impact toughness.

The Smooth Surface Wear Plate is ideally suited for applications experiencing frequent material hang-ups in highly abrasive operating environments.

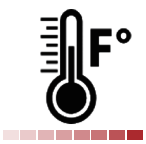
- ***Bulk Hardness: 58-68HRC***

SPECIFICATION

Standard plate size(mm)	1000*3000	1000*3500	1350*3500
Overlay thickness(mm)	4-42		
Base material thickness(mm)	5-50		
Common thickness Base+Overlay(mm)	6+4 5+5 6+6 6+7 8+8...10+9 10+10 10+15 12+12 12+14 12+17 12+20... 14+26 16+30 20+30 30+20 16+35 20+42...		
Other sizes and thicknesses available on request.			

TYPICAL PROPERTIES

Element	C	Si	Mn	Cr	W	V	Mo+Nb+Ti+V+W	Others
HS-F1	4-7%	0.5-2.5%	0.5-2.5%	28-40%	*	*	*	Bal
HS-F2	4-7%	0.5-2.5%	0.5-2.5%	25-38%	*	*	≥ 2.5	Bal
HS-F3	4-7%	0.5-2.5%	0.5-2.5%	28-40%	4-7%	*	*	Bal
HS-F4	4-6%	0.5-1.5%	1.0-2.0%	25-35%	*	3-6%	*	Bal
Other grades can be customized according to customer requirements.								



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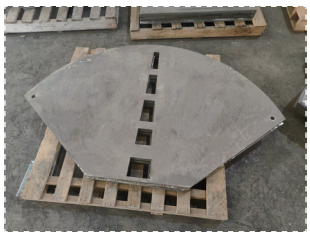
FABRICATION

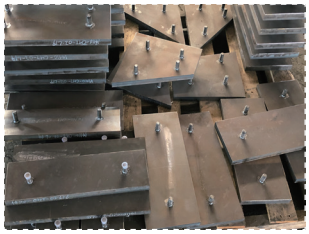
The backing steel plate provides Hisan plates with structural integrity, which makes our overlay plates fabricated without damage to the welding overlay, regardless of the shape and complexity of the structure. Hisan has the capability to manufacture cut to size wear parts, fabrication includes:

Cutting, Punching



Bending

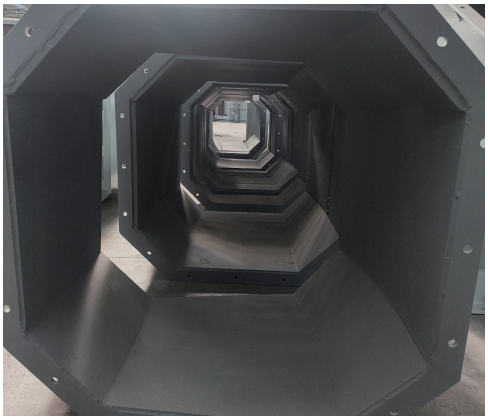
Bolting



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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