

HYSTER OVERLAY-W Series Chromium Carbide Compound Plate**EQUAL TO BRADKEN D60**

HYSTER OVERLAY-W Series Chromium Carbide Compound Plate is welded by chromium carbide overlay on a mild steel backing plate. Manufactured by our own design's welding machine with exclusive technique. It has excellent performance in wear resistant.

Chemical Composition	C	Cr	Mn	Si	Fe
	3.5% ↑	20% ↑	※	※	※
Base Material	Standard: SS400 MILD STEEL Stainless or others could be requested.				
Hardness	HRC 58-62				
Dimension	Standard Thickness: 8(4+4); 10(6+4)mm; 12(6+6)mm; 13(8+5)mm; 14(8+6)mm; 20(10+10)mm Standard Size: 1,200×2,400mm; 1,500×3,000mm Customized Thickness & Size Available				
Tolerance	± 1mm				
Heat Resistance	Maximum: 350°C				
Microstructure	Mixture of high volume hexagonal shaped chromium carbide in tough austenitic and martensitic matrix Volume Fraction Primary Carbides: 30%				
Cold Forming	Minimum Radius: 200mm(for 6+4) Suggested: using hydrolic press to bend HYSTER-PLATE				
Cutting	Plasma(from backing plate side) Laser Cutting Water Jet Knife				
Applications	<ul style="list-style-type: none"> -ASH LINES -BLAST FURNACE BELL & BURDEN -ELBOW -SINTER PLANT -BUCKET & LIPS -DRAG LINES -CHUTE & HOPPER LINERS -DUCT -CLASSIFIER -FAN BLADES & HOUSINGS -MINE CAR LINERS -CYCLONES -ORE CHUTES -DISCHARGE FUNNELS -SLAG CHUTES -DREDGE PUMP SIDE PLATES -EXTENSION RING -CEMENT KILNS -VIBRATOR PAN FEEDER LINER -GRIZZLY BARS -SINTER BREAKER BAR -CONVEYOR CASINGS -GREEN WALT CRUSHERS 				

HYSTER OVERLAY-W Series Chromium Carbide Compound Plate is good for general application with high abrasion and moderate impact.



HYSTER OVERLAY-WI Series **Complex Carbide Compound Plate****EQUAL TO BRADKEN D80**

HYSTER OVERLAY-WI Series Complex Carbide Compound Plate is welded by chromium carbide overlay on a mild steel backing plate. Manufactured by our own design's welding machine with exclusive technique. It has excellent performance in wear resistant.

Chemical Composition	C 3.5% ↑	Cr 20% ↑	Nb 2.0% ↑	Mn 2.0% ↑
Base Material	Standard: SS400 MILD STEEL Stainless or others could be requested.			
Hardness	Hv 550 - 700.			
Dimension	Standard Thickness: 10(6+4)mm; 12(6+6)mm; 13(8+5)mm; 14(8+6)mm; 20(10+10)mm Standard Size: 1,200×2,400mm; 1,500×3,000mm Customized Thickness & Size Available			
Tolerance	± 1mm			
Heat Resistance	Maximum: 350°C			
Microstructure	With large amount of chromium and Niobium carbides in controlled growth direction.			
Cold Forming	Minimum Radius: 200mm(for 6+4) Suggested: using hydrolic press to bend HYSTER-PLATE			
Cutting	Plasma(from backing plate side) Laser Cutting Water Jet Knife			
Applications	Dump truck body tray Screens in mining Chute & hopper liners			

HYSTER OVERLAY-WI Series Complex Carbide Compound Plate is good for high abrasion and high impact wear resistant!



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www.hstwear.com

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HYSTER OVERLAY-WN Series Chromium Carbide Compound Plate**EQUAL TO BRADKEN D90**

HYSTER OVERLAY-WN Series Chromium Carbide Compound Plate is welded by chromium carbide overlay on a mild steel backing plate. Manufactured by our own design's welding machine with exclusive technique. It has excellent performance in wear resistant.

Chemical Composition	C	Cr	Nb	Mn	Si	Fe
	3.5% ↑	23% ↑	※	※	※	※
Base Material	Standard: SS400 MILD STEEL Stainless or others could be requested.					
Hardness	HRC 60-63.					
Dimension	Standard Thickness: 10(6+4)mm; 12(6+6)mm; 13(8+5)mm; 14(8+6)mm; 20(10+10)mm Standard Size: 1,200×2,400mm; 1,500×3,000mm Customized Thickness & Size Available					
Tolerance	± 1mm					
Heat Resistance	Maximum: 350°C					
Microstructure	Mixture of high volume hexagonal shaped chromium carbide in tough austenitic and martensitic matrix Volume Fraction Primary Carbides:30%					
Cold Forming	Minimum Radius: 200mm(for 6+4) Suggested: using hydrolic press to bend HYSTER-PLATE					
Cutting	Plasma(from backing plate side) Laser Cutting Water Jet Knife					
Applications	—ASH LINES —DUCT —CONVEYOR CASING —FAN BLANDES & HOUSINGS —CHUTE & HOPPER LINERS			—CYCLONES —CLASSIFIER —DISCHARGE FUNNELS —ORE CHUTES —SLAG CHUTES		

HYSTER OVERLAY-WN Series Chromium Carbide Compound Plate is good for severe sliding abrasion and fine particle abrasion, but low impact resistant.



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HYSTER OVERLAY-TC Series Chromium Carbide Compound Plate

General Description

HYSTER offers TC-series overlay wear plate that are especially suitable for protecting surfaces against abrasive and impact wear. The plates are made of tungsten carbide and can be adjusted with different chemical compositions to the requirements of each specific application.

Hyster TC-series overlay wear plate Against Heavy Impact And Abrasion

Ingeniously combined with other alloying ingredients during the production phase, this uniquely welded overlay product creates a mixture that overcomes both Abrasion and impact in most application.

Average Density: 7600kg/m³ (※Density varies with overlay thickness.)

Adapted To Specific Applications

Hyster tungsten carbide plates have a unique combination of hardness, toughness and durability that makes them particularly suitable for handling granular and abrasive particles transported at high speeds, and adaptation can be made with focus on impact resistance, Tungsten carbide plates is mounted on the application with welding overlay which provide a very good adhesion.

Chromium Carbide	M7C3												
Base material	ASTM-A36												
Group of alloys	High chromium iron												
Nominal composition	C:4.4%↑, Cr:23%↑, W:※, Mn:※												
Microstructure	Chromium rich primary carbides in a complex carbide-austenite eutectic matrix												
Typical hardness range	>700HV												
ASTM G65-Procedure A-04	Less than 0.07g												
Abrasion resistance	Excellent, very high												
Impact resistance	Moderate to high												
Cutting	Plasma												
Applications	<table border="0"> <tr> <td>Chutes</td> <td>Ore Handling Systems</td> </tr> <tr> <td>TLO Systems</td> <td>Hoppers</td> </tr> <tr> <td>Ore Bins</td> <td>Feeders</td> </tr> <tr> <td>Reclaimer Buckets</td> <td>Screens</td> </tr> <tr> <td>Stackers</td> <td>Mobile Plant</td> </tr> <tr> <td>Liner Plates</td> <td>Spill Plates</td> </tr> </table>	Chutes	Ore Handling Systems	TLO Systems	Hoppers	Ore Bins	Feeders	Reclaimer Buckets	Screens	Stackers	Mobile Plant	Liner Plates	Spill Plates
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HYSTER OVERLAY-TC Series Chromium Carbide Compound Plate is excellent for severe abrasion and heavy impact, it's new generation product in wear industrial.



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