

### Chromium Carbide Overlay Wear Plate



OVERLAY-PLATE is welded by chromium carbide overlay on a mild steel backing plate. Manufactured by our own design's welding machine with exclusive technique. OVERLAY-PLATE has excellent performance in abrasion resistant and moderate impact.

**CHEMICAL COMPOSITION**    C 4.0%~5.5%    Cr 21%~27%

**BACKING PLATE**    Standard: SS400 mild steel or equivalent Stainless or others upon request

**HARDNESS**    HV600±

**TOLERANCES**    ± 1mm

**HEAT RESISTANCE**    Maximum: 400°C

**MICROSTRUCTURE**    Mixture of high volume hexagonal shaped chromium carbide in tough austenitic and martensitic matrix. Volume Fraction Primary Carbides: 30%

**PENETRATION TO THE BASE METAL**    1.5mm

**COLD FORMING**    Minimum Radius: 150mm( for 6+4 )  
Suggested: using hydrolic press to bend plate

**CUTTING**    Plasma( from backing plate side ) / Laser Cutting / Water Jet Knife



**WEAR SYSTEM**

**Overlay Wear Plates**

- APPLICATIONS**
- Ash liners
  - Elbow
  - Bucket & Lips
  - Duct
  - Classifier
  - Mine car liners
  - Ore chutes
  - Slag chutes
  - Extension ring
  - Grizzly bars
  - Sinter breaker bar
  - Green walt crushers
  - Blast furnace bell & burden
  - Sinner plant
  - Drag liners
  - Chute & Hopper liners
  - Fan blades & Housings
  - Cyclones
  - Discharge funnels
  - Dredge pump side plates
  - Cement kilns
  - Vibrator pan feeder liner
  - Conveyor casings
  - Steel plant

Standard Overlays	Weight sq/m(kg)	Standard Sheet Size(mm)	Overall Thickness
4 ON 4	62	1500x3000 / 1200x2400	8
4 ON 6	78	1500x3000 / 1200x2400	10
6 ON 6	94	1500x3000 / 1200x2400	12
5 ON 8	102	1500x3000 / 1200x2400	13
6 ON 8	109	1500x3000 / 1200x2400	14
8 ON 8	126	1500x3000 / 1200x2400	16
5 ON 10	118	1500x3000 / 1200x2400	15
6 ON 10	126	1500x3000 / 1200x2400	16
8 ON 10	141	1500x3000 / 1200x2400	18
9 ON 10	149	1500x3000 / 1200x2400	19
10 ON 10	157	1500x3000 / 1200x2400	20
12 ON 12	188	1500x3000 / 1200x2400	24
17 ON 12	222	1500x3000 / 1200x2400	29

*\*We can accept OEM&ODM orders. Other thickness or size, please contact us for more information.*

HYSTER WEAR PLATES