



CARVER
WELDING PVT. LTD.

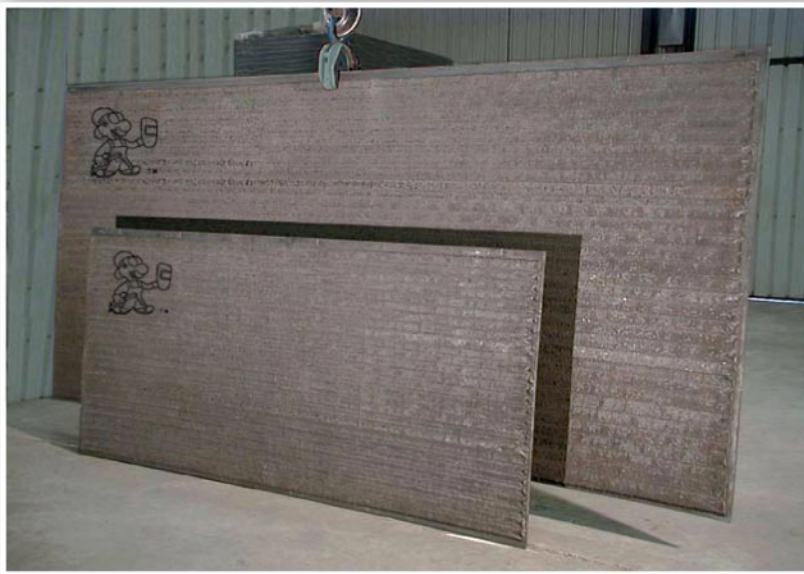
Carver Welding Pvt. Ltd. Is an organization dedicated to provide the most innovative, cost-effective, quality welding and cutting solution. Coupled with our technological leadership with manufacturing and distribution resources, to ensure competent and reliable solutions for each of our customers.

We Are

A glance at our top management team will reveal that its composition is fully professional and is poised to achieve remarkable progress in the days to come. We have professional management team for all departments namely Production, Quality Control, Technical support and Marketing having 10 to 22 years of experience of Welding Technology backed with Professional Degrees. A fully computerized Office backed with ERP (SAFEL™) to function and monitor complete activity under direct guideline and supervision of individual section of HOD.

CARVER WEAR PLATES

POWDER FUSED WEAR PLATES



Carver Wear Plates are manufactured by powder fused welding process, which enables a constant, evenly fused hyper eutectic chrome alloy layer on mild steel back-up plate. This process guarantees the highest bond strength between the alloy matrix and back-up plate.

Carver Wear Plate has been tested under both impact and abrasive environments and out performs all types of quench and tempered steels.

BASIC FEATURES

1. Minimum dilution with base metal.
2. Minimum penetration with base metal from 0.5 mm to 1 mm.
3. Uniform distribution of carbides throughout the thickness, of deposit from fusion line to the top surface.
4. Uniform hardness throughout the thickness.
5. Selection of different alloys to suit your application.
6. Uniform thickness of weld deposit throughout the surface area.

STANDARD WEAR PLATES SIZES

Standard Carver Wear Plate withstands temperatures of up to 650° C. However, the alloy content can be altered to tolerate higher temperature by the introduction of other elements thus making it suitable for applications where operating temperatures exceeds 800° C.

Size : 1150 mm X 2400 mm, 1400 mm X 3000 mm

Thickness : 5+3, 6+4, 8+4, 8+5, 8+6, 8+7, 10+5, 12+5 mm

Base Plate : M.S, IS2062, St. 37.2, 13CrMo44

APPLICATIONS

CEMENT INDUSTRY

- Screw feeders & Troughs
- Fan Casings, Liners & Blades
- Chute and Hopper Liners
- Clinker Cooler Pan Liners
- Earth Moving Bucket Liners
- Cyclones
- Mill Liners
- Deflector Plates
- Truck Bed Liners
- Dozer Blade Liners



Flap Valve

STEEL PLANTS

- Blast Furnace Bells
- Throat Armour Plates
- Distribution Chutes
- Funnels
- Screens
- Chutes
- Bunkers



Cheek Plate

THERMAL POWER PLANTS

- I. D. Fan
- Coal Feeders
- Coal Mill Cones
- Coal Mill Wear Plates (Detectors)
- P. A. Fan
- Scraper Blades
- Coal Mill Bends
- Coal Mill Rings



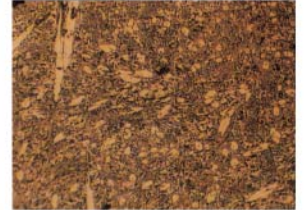
Reclaimer Bucket

As such the wear plates can be offered either simply as liners. or, can be fabricated into complete systems and subsystems of cement, steel, sugar and material handling plants, as per customer's design.

CARVER 9111

FOR SEVERE ABRASION & MODERATE IMPACT

- Alloy Basis - C, Mn, Cr, Si
- Microstructure - Chromium carbides in dendrite matrix
- Applications - Limestone Chutes, Ducts etc
- Hardness - 50 - 55 Rc



CARVER 9112

FOR SEVERE ABRASION & HIGH IMPACT

- Alloy Basis - C, Mn, Cr, Si
- Microstructure - Interdendritic eutectic chromium carbides in an austenitic matrix
- Applications - Screens, Blow Bars, Grizzly Bars etc
- Hardness - 50 - 55 Rc



CARVER 9113

FOR SEVERE ABRASION RESISTANCE UPTO 350° C

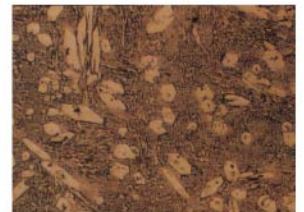
- Alloy Basis - C, Mn, Cr, Si
- Microstructure - Chromium carbides in an austenitic matrix
- Applications - Chutes, Cone & Body liners etc
- Hardness - 55 - 60 Rc



CARVER 9114

FOR EXCELLENT ABRASION & WEAR RESISTANCE UPTO 650° C

- Alloy Basis - C, Mn, Mo, Si, Cr, Nb, B
- Microstructure - Complex carbides in Boride Matrix
- Applications - Chutes, Ducts, Separator Blades, Liners etc
- Hardness - 60 - 65 Rc



FIXING METHODS

