



Ore handling liner plates

## Unique composite wear plate for heavy impact combined with pressure and abrasion

### Typical Applications:

Secondary crusher discharge chutes, crusher bodyliners, material handling impact zone liners, flapper gates, impactor liners, deflector plates, etc.

### Outstanding Features:

- Superior resistance to severe impact & abrasion.
- Uniform microstructure throughout the coating.
- Low dilution with uniform hardness.
- Tough matrix with finely dispersed carbides.
- Outstanding wear properties up to 400 °c.

### Microstructure:

Uniform distribution of fine carbides in tough eutectic matrix. Such unique microstructure offers excellent impact combined with abrasion resistance.

### Wear plate dimension:

Base plate dimension : 1500 x 3000 x 10 mm  
 Cladding thickness : 10 mm  
 Cladded area : 1220 x 2740 mm  
 Weld bead pattern : Straight

### Hardness:

50 - 60 HRc (First layer)  
 45 - 55 HRc (Second layer)

### Note:

In addition to standard plates, the plate can be cut to any specific size as per the requirement and supplied.

A ready-to-use wear plate fabricated from Carbon Steel plate with single or multi-layer fusion welded coating.

**EDP - 550**



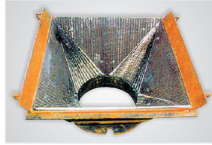
Earth moving bucket

**Typical Application:** Liners / Components which are subjected to Abrasion / Impact (Screens in Steel Industry)

**Description:** Cr-C System for good abrasion and moderate impact applications upto 250°C

**Hardness:** 54-58 HRc

**EDP - 650**



Transfer Chute

**Typical Application:** Liners / Components which are subjected to severe Abrasion (Screens in steel industry / Fan casting / VRM liners etc).

**Description:** Cr-B-C System for high abrasion and low impact applications upto 250°C

**Hardness:** 58-62 HRc

**EDP - 750**



Blade Liner for Fan impeller

**Typical Application:** Liners / Components which are subjected to high Abrasion / Impact.

**Description:** Cr-Nb-C System for severe abrasion and medium impact applications upto 450°C

**Hardness:** 58-64 HRc

**EDP - 950**



BLT Chute

**Typical Application:** BLT distribution chutes / MTA plates, Hot gas ventilators, hot gas ducts / pipes.

**Description:** Complex carbide system for severe abrasion and erosion applications upto 650°C

**Hardness:** 58-64 HRc

**Wear Plate Dimension:**

- a) Base Plate Dimension: 1220 x 2740mm
- b) Base Plate Thickness: 5mm and above
- c) Cladding Thickness: 3mm and above

**Unique Features:**

- Manufactured using 3 axis robot welding technique and controlled 'cool' welding process.
- Overlay with a dense, extremely tough and consistent microstructure.
- Cladding with low dilution, uniform hardness and exceptional wear properties.
- Stress-relief cracks perpendicular to the welding direction, which does not propagate to the base metal.

**Note:** In addition to the standard plate, specific shape & size of the plate can be cut, bend and fabricated as per requirement.