



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



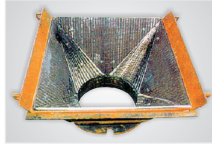
Earth moving bucket

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.