



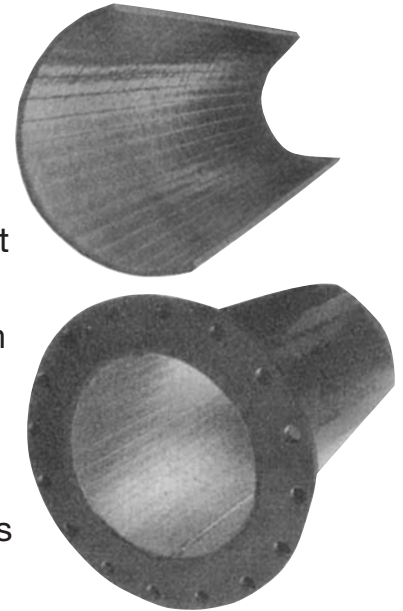
CHAMPALOY

Clad Overlay Wear Plate

Chrome Carbide Fusion Plate

CHAMPALOY is an ultra-hard, impact and abrasion resistant chrome carbide composite alloy formed by metalurgically bonding granular chromium carbide powder to steel. The result is the ultimate wear resistant properties available for the heaviest abrasion/impact applications.

The surface of high quality fusion cladding should always contain distribution of large and small stress relief cracks in order to provide maximum wear life in heavily abrasive applications. Stress relief cracks are normal and should occur during the application of fusion cladding to a backing plate. In most applications, proper layout of the stress cracks will provide a wear surface to handle abrasives effectively and economically.



Advantages

- Can be cut, formed and welded
- Cost effective
- Extended service life
- Good weldability to mild steel base
- Overlay can be applied to two sides for added strength and durability
- Pipe fabricated 2" ID and over
- Stress relieved
- Superior abrasion/impact resistant
- Superior to ceramics

Physical Properties

Carbide Hardness	1750 BHN
Matrix Hardness	60 Rc
Bead Width	1-1/4"
Base Plate	1/4" to 1-1/2"
Single Pass	3/16", 1/4"
Double Pass	1/4", 3/8"

Applications

- Bucket Lips
- Chipper Hoods
- Chutes
- Coal Chutes
- Cone Liners
- Cyclones
- Dozer Blades
- Exhauster Blades
- Fan Blades
- Fan Housings
- Feeder Plates
- Flop Gates
- Grizzly Bars
- Hoppers
- Hot Mill Guides
- Liner Plates
- Mining Equipment
- Pipe
- Scrapers
- Shovel Liners
- Skip Cars
- Sluce Gates
- Slurry Lines
- Transitions
- Truck Liners
- Vibrating Pans
- Wear Plates
- Whizzer Blades