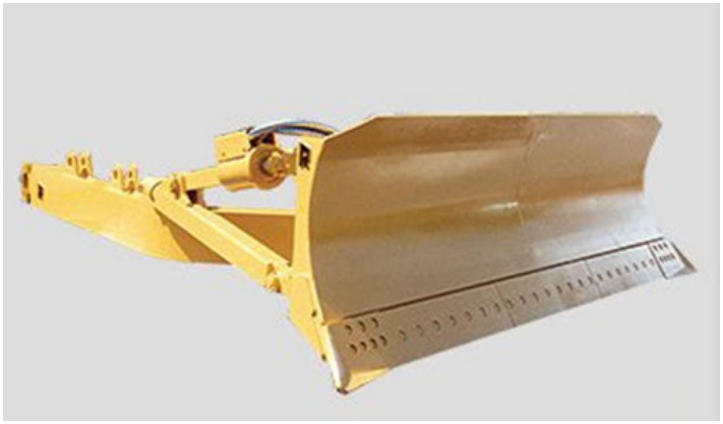
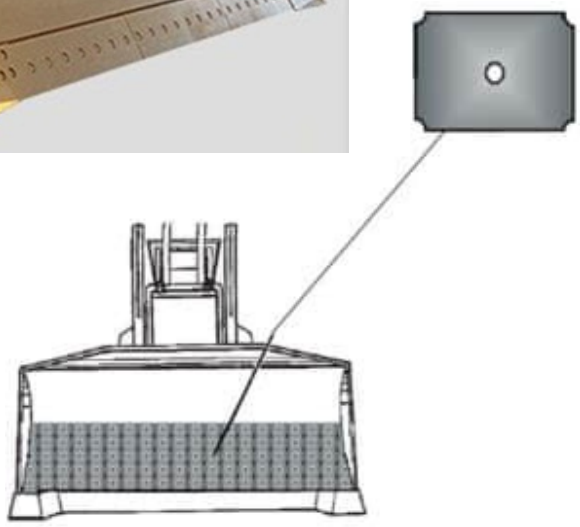
MF 905

DIAMOND – DISC

A dramatic solution towards eliminating long hours of hard surfacing.





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Features & Applications

- Metallurgically formulated to give a hardness of Rockwell C60 throughout.
- Special “Black Chrome” finish yields an exterior skin hardness of Rockwell C 72.
- Center & corner plug shape allows for easy attachment with our special Diamond join electrode Code MF 602.
- Cost – efficient – the speed of application reduces cost And down time. Discs can be replaced individually, as needed.
- Labor and Time efficient – much faster application than weld overlays.

APPLICATION:

- Bulldozer Blades
- Shovels
- Excavator Buckets
- Slides
- Chutes
- Mixing Paddles
- Scraper Blades
- Screw Conveyors
- Bulldozer Track Idler Wheels

Clean weld area with a wire brush. Make sure the area to be protected is smooth and flat. The entire Perimeter of the Diamond Disc® should be in contact with the base metal. Arrange Diamond Disc®In the desired pattern. Plug weld the Diamond Disc® to the base metal using a fillet weld around the circumference of the center hole using the specially alloyed 1 / 8” (3.2mm) Diamond join Electrode Code MF 602. Also join where the four corners of adjacent plates meet forming a similarly shaped plug area.

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The Advantages of the Diamond Disc® Wear System:

Versus .....Weld Overlays:

Diamond Disc® can be applied in about one-Tenth the time of manual arc welding and about One-quarter the time of semi automatic welding.

Diamond Disc® has a constant hardness of Rockwell RC60 for total 3 / 16" thickness. Weld deposits will vary due to base metal dilution.

Diamond Discs® do not effect the base metal Because excessive heat is not used during application.The high heat sometimes used in welding procedures may cause a reduction in mechanical properties of the base metal.

Versus..... Other Wear Plates:

Diamond Discs® are a manageable size, easy to store and transport.

Diamond Discs® are one convenient size, 4" (100mm) x 6"(150mm) x 3 / 16" (5mm) thick, reducing the need to stock many different sizes.

Diamond Discs® can be applied in about half the time of other wear plates, saving time and money.

Diamond Discs® weigh about half that of other plates, so there is less stress on operating systems.

Damond Discs® can be replaced individually, not the complete wear plate.

The Diamond Disc® application pattern creates compact spaces between discs increasing abrasive wear performance.

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