



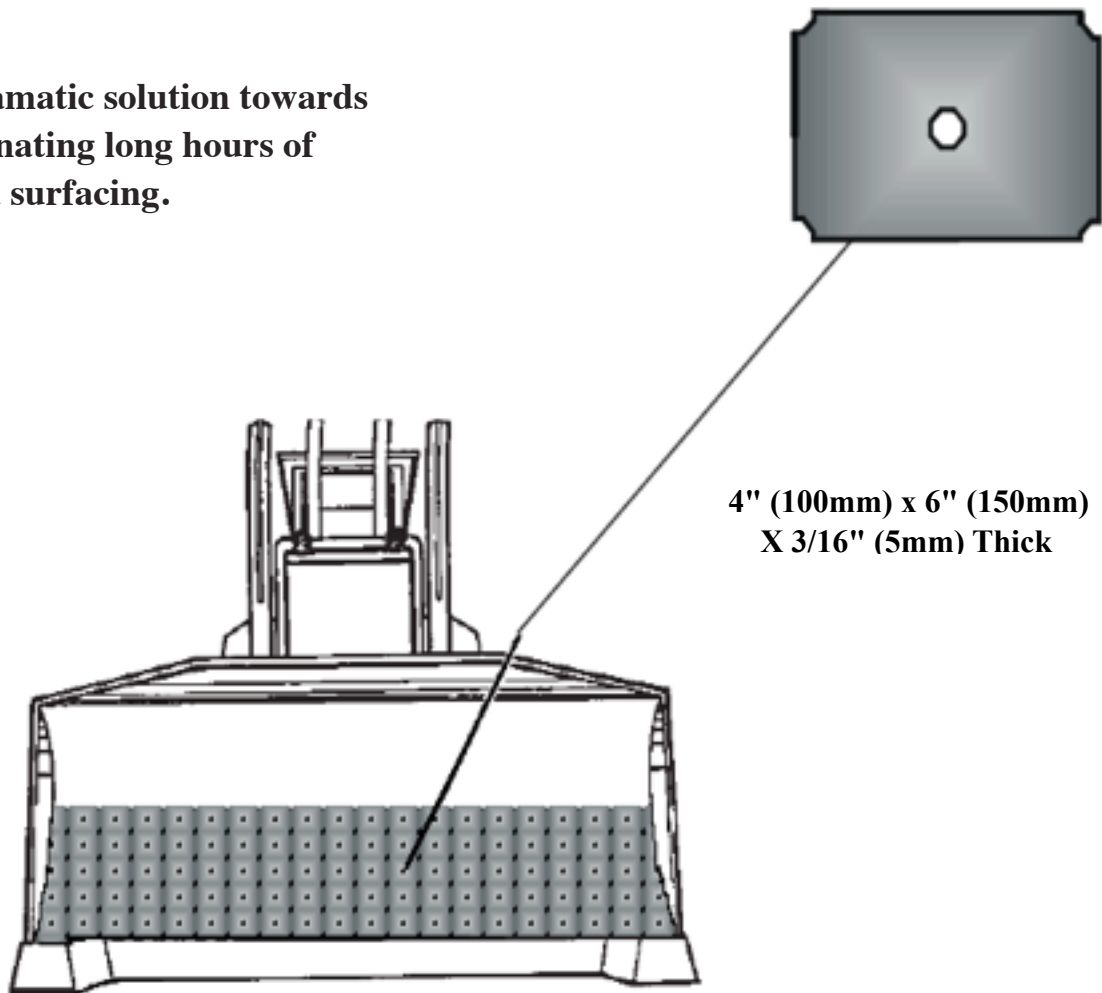
Manufacturers of Custom Welding Lines for Resale  
[www.selectrode.com](http://www.selectrode.com)

# SELECTRODE 5300

"Diamond Disc®" Wear System

## FEATURES & APPLICATIONS

A dramatic solution towards  
eliminating long hours of  
hard surfacing.



4" (100mm) x 6" (150mm)  
X 3/16" (5mm) Thick

- Metallurgically formulated to give a hardness of Rockwell C60 throughout.
- Special "Black Chrome" finish yields an exterior skin hardness of Rockwell C72.

- Center & corner plug shape allows for easy attachment with our special Diamond Join electrode Code 1247
- 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.

# The Advantages of the Diamond Disc® Wear System:

## Verses 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 the total 3/16" thickness. Weld deposits will vary due to base metal dilution.

Diamond Discs® do not affect 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.

## Verses Other Weld 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 the operating systems.

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

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

## APPLICATION:

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

## WELDING CURRENT & INSTRUCTIONS

## INSTRUCTIONS FOR USE:

TDS 5300 – Revision 09/02/11

Clean weld area with a wire brush. Make sure the area to be protected is smooth and flat. The entire perimeter of the Diamond Discs® should be in contact with the base metal. Arrange Diamond Discs® in the desired pattern. Plug weld the Diamond Discs® 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 1247. Also join where the four corners of adjacent plates meet forming a similarly shaped plug area.