

RIMCODUR DISC 6000

RIMCODUR DISC 6000 is a specially shaped abrasion-resistant disc, metallurgically formulated to give a hardness of 60 HRC right through. Each disc is plug-welded in a predetermined pattern onto the part to be protected, using a specially formulated electrode.

Cost-efficient

The system is economical because of its speed of application, reduced downtime and the possibility to replace only individually worn discs if necessary.

Labour and time-efficient

Can be applied with a minimum of manhours - far less than comparable weld overlays.

Performance-efficient

The system will extend the useful service life of many machine parts that are subjected to abrasive wear and tear.

Use RIMCODUR DISC 6000 on :

Bulldozer blades, Mixing paddles, Shovels, Scraper blades, Excavator buckets, Screw conveyors Slides, Chutes, Bulldozer track idler wheels

And improve the EFFICIENCY of your wear protection procedure

Our system offers the following advantages:

Compared with weld overlays

RIMCODUR DISC 6000 can be applied to a given area in approx. one-tenth of the time of manual arc welding and approx. one-quarter of the time of semi-automatic welding.

RIMCODUR DISC 6000 gives a constant 60 HRC hardness through 5 mm thickness, whereas weld deposits show a hardness reduction due to base metal dilution.

The application of RIMCODUR DISC 6000 does not affect the base metal by excessive heat input. Which is often in the case with welding procedures, can result in a reduction of the mechanical properties of the base metal.

Compared with wear plates

RIMCODUR DISC 6000 is of easily manageable size and weight, easily transported and stored.

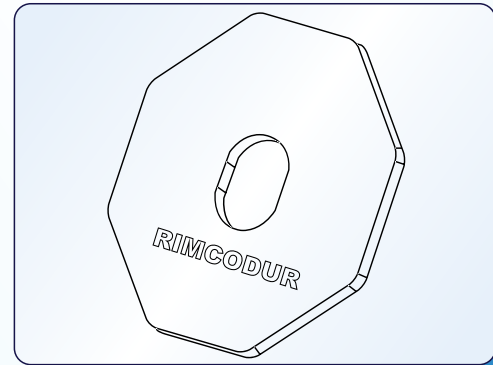
Being of one size and shape, there is no need to carry different sizes and shapes of wear plates.

RIMCODUR DISC 6000 can be applied in approx. half the time it takes to apply a wear plate, saving both an downtime and labour costs.

RIMCODUR DISC 6000 weighs less than half that of a wear plate for the same area, so there is less load on operating systems and greater payload.

As wear takes place it is necessary to replace only the individually worn discs, NOT the complete wear plate.

The application patterns of RIMCODUR DISC 6000 improve performance through product compaction in spaces between discs increasing abrasive wear-resistance.



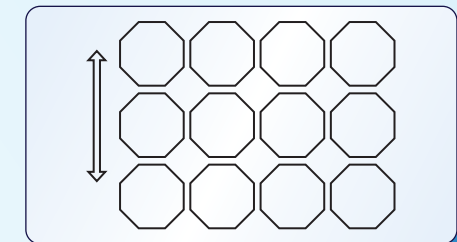
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Instructions for use

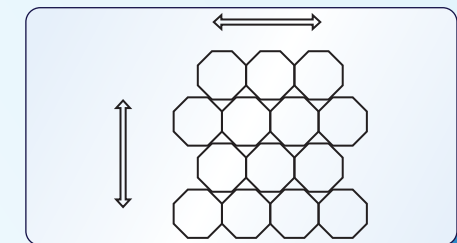
- Clean weld area with wire brush
- Check that area being protected is smooth and flat. The entire area of the disc should be in contact with the Base metal.
- Place discs in the desired pattern (see detail above right)
- Make sure that the surface of the disc marked "S" is facing downwards (the "S" must NOT be visible)
- Use only our electrodes (70 - 100 Ampere, AC or DC+), supplied in sufficient quantity in each pack.
- Plug weld disc by means of a fillet weld right around the central hole. No need to weld the disc on outer circumference.
- Electrodes are suited to join the to structural steel, carbon steel, low-alloy, high-alloy and manganese steel. And can even be welded onto curved surfaces provided the plug weld can be securely deposited to the base metal.



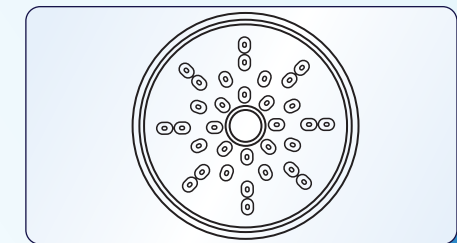
Final drive casing protected by to combat wear from primary material trapped between the housing and drive sprocket. Discs application was easy, due to the reduced amount of welding and minimal heat input causing no cracking in the housing.



Discs touching at curved edge. Rows parallel and 10 mm part. Used where material flow is in direction of the arrow.



Each disc touches the adjacent curved surface. Primarily used where material flow is in all directions.



Pattern to be used on wheels (i. e. track idler wheel) or turning discs etc.

