



ESCO®

# **Wear materials**

**for mining,  
construction and  
aggregate applications**

**WEHR**

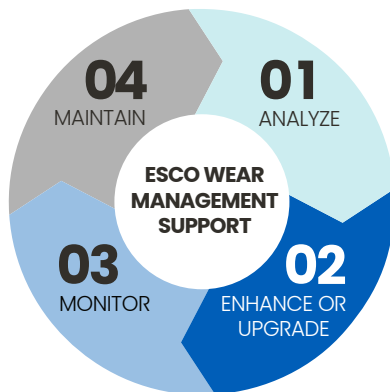
Mining technology for a sustainable future

# ESCO® delivers customized solutions to match your application requirements. Equipment protection that increases your equipment service life.

## Protect your equipment investment

Today's mining, construction and aggregate operations are under increasing pressure to improve production levels and control costs while maintaining the safest working environment possible.

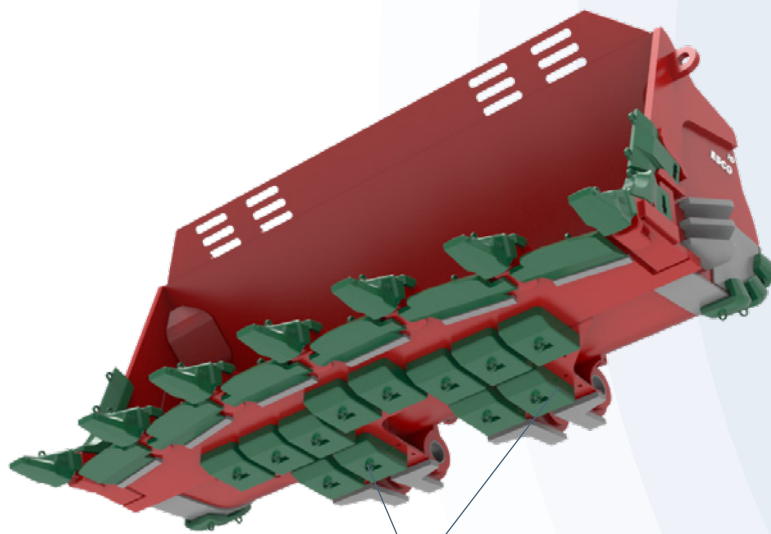
ESCO's quality products and wear protection specialists will deliver results that are second to none. Our field-proven products and dedicated staff will enhance your equipment performance to operate with significantly less maintenance and the chance of unplanned downtime.



## ESCO products are trusted by customers worldwide

- Better machine performance and productivity
- Less maintenance and unplanned downtime
- Improved site safety





Kwik-Lok® II  
Cast Wear Runners



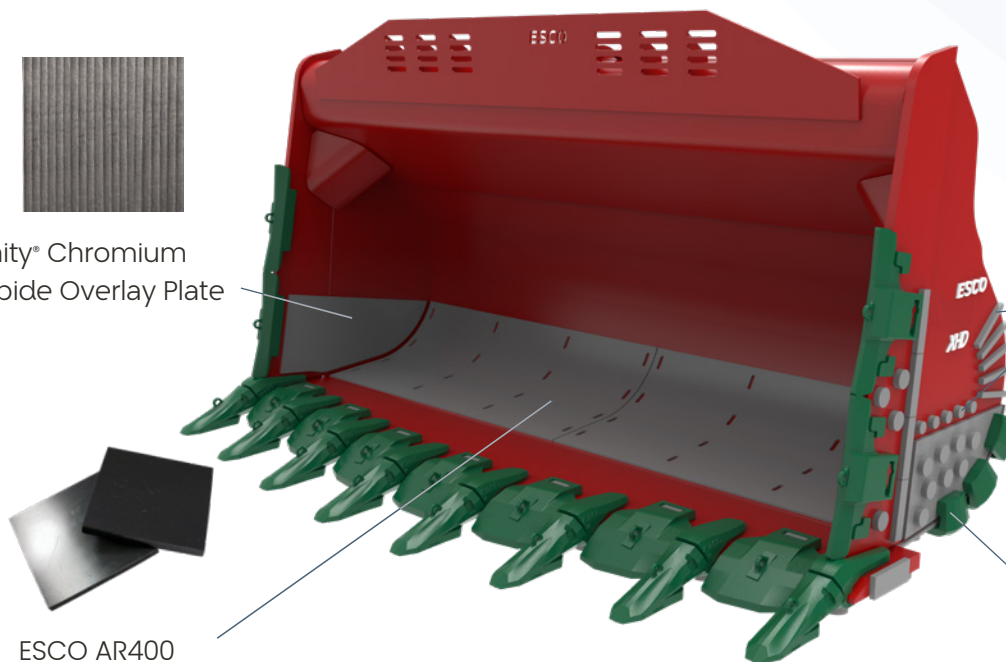
### ESCO wear solutions provide exceptional equipment protection

Earthmoving and associated processing equipment are subject to extreme abrasion and high-stress gouging that will significantly shorten its service life. It is important to address this with the best available protection – ESCO wear solutions.

We offer complete safeguard packages to combat wear. ESCO cast steel wear runners and corner wear shoes or Infinity chrome white iron (CWI) buttons and blocks are available for specific high wear areas. For larger surfaces, ESCO AR400/500 plate or Infinity chromium carbide overlay plate can be custom formed and cut for optimum protection.



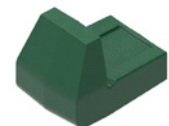
Infinity® Chromium  
Carbide Overlay Plate



ESCO AR400  
and AR500 Plate



Infinity® Chrome  
White Iron Buttons  
and Blocks



Weld-on Cast  
Corner Wear Shoes

# Our expertise in providing the best overall wear protection package ensures greater machine availability, lower maintenance and less unplanned downtime.

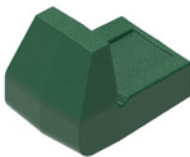
## **Kwik-Lok® II wear runners**

Cast, heavy-duty wear runners in a variety of profiles, are sized for easy handling and placement where needed most – including high impact locations. Suitable for flat or curved surfaces, the system features a one-piece lock for safer and faster replacement.



## **ESCO weld-on corner wear shoes**

ESCO's cast weld-on wear shoes provide excellent protection for larger excavator, loader, face shovel and LHD buckets. Cast in tough ESCO alloys, it is an effective solution to protect any 90° corner that is exposed to high wear. There are a range of sizes to ensure the optimum protection for your bucket application.



## **Infinity® bimetallic chrome white iron**

Abrasion resistant, bimetallic buttons, bars, blocks and runners are made from 700 Brinell chrome white iron (CWI) on a mild steel backing. Ideal for highly abrasive applications with low to medium impact, the Infinity offering is adaptable to any high wear surface and are easy to install.



## **Infinity® chromium carbide overlay plate**

Infinity overlay plate is produced from premium chromium carbide applied to a mild steel backing plate. Best suited for applications with extreme abrasion and low to medium impact. It can be cut and formed to fit the desired surface profile and then easily welded into place using the mild steel backing plate.



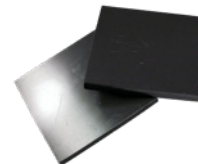
## **Infinity® chrome white iron wear tiles**

In addition to Infinity buttons, blocks, bars and runners, ESCO offers wear tiles with the same advantages of 700 Brinell chrome white iron (CWI) with mild steel backing. Tiles may be ordered in custom sizes with the option for a full mild steel jacket on all sides. Wear tiles may also be ordered in a bolt-on version with no mild steel backing.



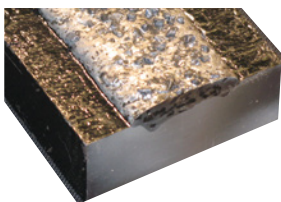
## **ESCO abrasion resistant (AR) plate**

Manufactured to handle extreme abrasion with optimum resistance to gouging abrasion under severe impact. ESCO abrasion resistant plate is available in AR400 and AR500 grades. Each are fully formable and provide excellent toughness and very good weldability.



## **Infinity® overlay technology**

ESCO's Infinity chrome white iron and tungsten carbide overlay materials were specifically developed to extend steel component wear life and improve productivity. Available in four chemistries, E3, E3X, E3CX and E3XP, the overlay material is applied based on the application. The overlay can be used to simply protect surfaces from abrasive wear or applied in a specific pattern that also improves the performance as it wears. For example, overlay material applied in a unique pattern to mining bucket teeth dictates a wear pattern that significantly improves penetration and loading.

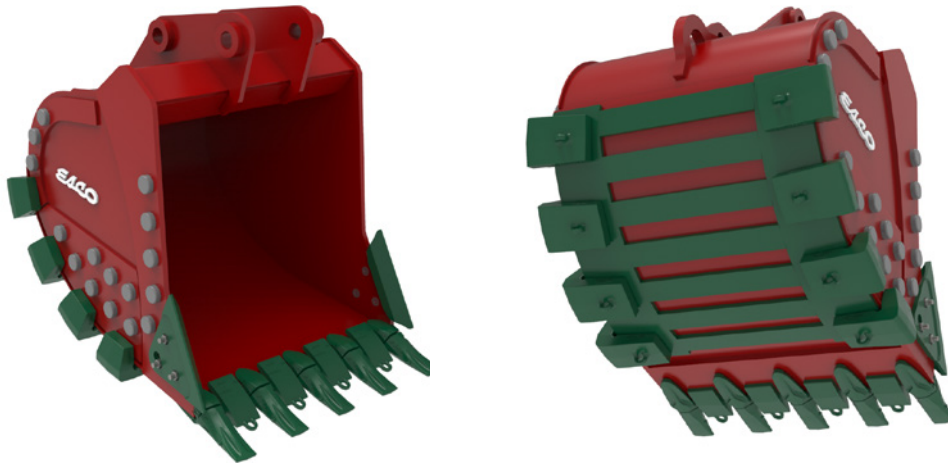




**ESCO® has a full  
selection of products  
to combat abrasion  
and impact damage  
for any machine in  
any application.**

# ESCO® is the leading source for equipment wear protection.

Whether it is mining, construction or aggregate earthmoving machines or processing plants, ESCO has a wear protection option that is second to none. Our goal is to keep your equipment running with advanced protection to meet or exceed production goals while reducing maintenance and unplanned downtime.



| ESCO Wear Protection  |                                      |                                      |                                   |                                |                                       |
|-----------------------|--------------------------------------|--------------------------------------|-----------------------------------|--------------------------------|---------------------------------------|
| Machines / Buckets    | Kwik-Lok® II<br>Cast Wear<br>Runners | Infinity® CWI<br>Buttons &<br>Blocks | ESCO Cast<br>Corner Wear<br>Shoes | ESCO AR400<br>& AR500<br>Plate | Infinity®<br>Carbide<br>Overlay Plate |
| Wheel Loaders / LHD   | ■                                    | ■                                    | ■                                 | ■                              | ■                                     |
| Excavators / Backhoes | ■                                    | ■                                    | ■                                 | ■                              | ■                                     |
| Face Shovels          | ■                                    | ■                                    | ■                                 | ■                              | ■                                     |
| Rope Shovels          | ■                                    | ■                                    | ■                                 | ■                              | ■                                     |
| Draglines             | ■                                    | ■                                    |                                   | ■                              | ■                                     |
| Dozers / Scrapers     | ■                                    | ■                                    |                                   | ■                              | ■                                     |

| ESCO Wear Protection |                                      |                                |                                       |
|----------------------|--------------------------------------|--------------------------------|---------------------------------------|
| Processing           | Kwik-Lok® II<br>Cast Wear<br>Runners | ESCO AR400<br>& AR500<br>Plate | Infinity®<br>Carbide<br>Overlay Plate |
| Transfer Chutes      | ■                                    | ■                              | ■                                     |
| Conveyor Side Liners | ■                                    | ■                              | ■                                     |
| Crusher Liner        |                                      | ■                              |                                       |
| Strike Plates        | ■                                    | ■                              |                                       |
| Crusher Feeder       | ■                                    | ■                              |                                       |

# Development of all ESCO® products and services keeps worker safety at the forefront.

## Safety is our focus

Reducing equipment maintenance is a major factor in improving site safety. Mining and construction industry statistics indicate at least one in four accidents occur during the maintenance cycle – almost half while handling materials. ESCO products are field-proven for superior durability and service life.





Mining technology for a sustainable future

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