

Abrasion Resistant Plate



Wear is one of the biggest challenges facing high production operations today. The application at each operation is unique so ESCO offers a variety of options to protect valuable equipment. ESCOALLOY™ plate is a premium AR product available in 400 or 500 grades. Infinity™ chromium carbide overlay plate is an alternative for extreme abrasion applications.

ESCO offers ESCOALLOY 400 and 500 quenched and tempered alloy plates to handle extreme wear, with optimum resistance to gouging abrasion under severe impact. ESCOALLOY plate has exceptional toughness, ductility, formability and hardness over T1 type abrasion grades. ESCOALLOY plate can be sheared, plasma cut and welded using conventional methods, and is a great choice for bucket, dozer blade, crusher, chute, and haul truck bed liners, and can also be used for fabricated ripper shanks, heel bands and mold boards.

ESCO's Infinity Chromium Carbide Overlay Plate is an excellent choice for severe wear protection as liners for machine buckets, dozer blades, chutes, conveyors, cement plants and aggregate plants.



Features and Benefits

Reduced Maintenance

- Protects entire surfaces, eliminating the need for frequent rebuild or replacing structural components
- Formable to contoured surfaces and easy to weld

Increased production

- Custom formed kits minimize affect on penetration and material flow
- Reduced maintenance ensures maximum machine availability

Lower Operating Cost

- Equipment life is significantly increased, minimizing repair and new replacement orders
- A variety of material options allows the best choice for abrasion and impact resistance to ensure maximum uptime



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ESCOALLOY™ 400

ESCOALLOY 400 through-hardened plate is available in 3/16" through 4" thickness. Typical hardness is 360-444 BHN, and the typical toughness is 20 ft.-lbs. in transverse direction. ESCOALLOY 400 is very formable and has high wear resistance, excellent toughness and weldability.



ESCOALLOY 500

ESCOALLOY 500 through-hardened plate is available in 1/8" through 4" thickness. Typical hardness is 477-555 BHN, and the typical toughness is 18 ft.-lbs. in transverse direction. ESCOALLOY 500 is formable in cold condition and has superior wear resistance for extreme abrasion, very good toughness and weldability.



Infinity™ Chromium Carbide Overlay Plate

ESCO's Infinity Chromium Carbide Overlay wear protection is ideal in extreme abrasion and medium impact applications. ESCO overlay plate offers a minimum of 573 Brinell hardness. Infinity overlay plate is formable and can be ordered in custom designed kits to fit a wide variety of surface configurations.

