

Hardfacing Newsletter

Introducing a new series of Large Diameter, Alloy Rich, Hardfacing Wires (7/64" 2.8mm and 1/8" 3.2mm)



Postalloy® DuraChrome™ PS133-MCO is a metal-cored, open-arc wire designed for the production of chromium carbide overlay plate, and the repair of coal pulverizer and cement clinker rolls and tables. Deposits are ultra-high in carbon and chromium ensuring maximum carbide population and wear protection for highly abrasive applications. Use on low carbon mild steel, low alloy steel and cast iron.

Applications: Overlay Plate, Coal Pulverizers, Cement clinker rolls.

Postalloy® PS135-MCO is a high hardness multi-carbide hardfacing alloy containing large volumes of Chromium and Niobium carbides uniformly throughout a tough alloy matrix. It is recommended for applications involving severe abrasion or abrasion coupled with impact.

Applications: Iron and Steel - sinter breakers, grizzly bars, augers and conveyor screws, exhaust fans, coke pusher shoes, coke chutes and ash conveyor blades.

Mining - blast hole augers, ore or coal chutes, classifier flights, buckets and lips, wear plates and bulldozer blades.

Power Generation - coal feeder screws, exhaust fan blades, post-hole diggers, and wet centrifugal pumps.

Concrete and Cement - bag packer screws, cement chutes, pug mill paddles, die rings and feeder blades.

Brick and Clay - arbors, bag packer augers, brick augers, feeder blades, pug mill augers, and screw conveyors.

Postalloy® PS136-MCO is a high hardness multi-carbide hardfacing alloy that resists severe abrasion, including high stress grinding, low stress scratching and gouging abrasion. It maintains its hardness and wear resistance up to 1400°F (750°C). The chemistry is highly tolerant of dilution. One layer will easily outwear two layers of ordinary chrome carbides and in some applications the wear is equal to tungsten carbide. Use on low carbon mild steel, manganese, stainless, and low alloy steels.

Applications: Blast furnace charging equipment, Agricultural implements, Sinter plant parts, Cement mill parts, Coke pusher shoes, Brick making equipment, Wear plates, Cereal grinding equipment, Tong bits, Conveyor screws, Slag ladles, Mixer paddles, Ash fans, Solid waste shredder parts.

Postalloy® DuraHard™ PS156Nb-FCO is a non-cracking martensitic tool steel type hardfacing alloy with numerous tightly packed carbides for excellent abrasion resistance under high impact. Deposits are smooth and free of any slag. One layer deposits exhibit wear characteristics that you would expect from chromium carbide hardfacing products. An excellent choice for applications requiring crack-free deposits with good wear characteristics. Use on carbon and low alloy steels.

Applications: Scraper blades, Road ripper teeth, Bucket Teeth, Tillage tools, Auger flights, Mixer blades, Fan blades, Shredder & Fibrizer Hammers

Postalloy® DuraHard™ PS158Ti-FCO Crack Free Titanium Enriched Hardface Alloy is a non-cracking flux-cored, open-arc hardfacing wire that deposits a martensitic alloy with a high volume of finely dispersed Titanium Carbides (TiC). It has excellent abrasion resistance under low and high stress conditions and retains hardness at high temperatures. Crack-free deposits are possible with proper procedures. Use on carbon and low alloy steels.

- Multiple layers maintain their hardness and abrasion resistance.

- Deposits are crack-free even after multiple layers.

Applications: Cement rolls, Hardbanding drill pipes, Hammers, Bucket pins, Shredder & Fibrizer hammers, Bucket teeth and lips, Tillage implements, Augers, Asphalt mixer paddles.

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