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Postalloy® DuraChrome™ PS135-MCO is a **large diameter**, 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. **Large diameter wire is generally more alloy rich than smaller diameter wire.**

Specifications

Product Type

Wire: Metal-cored, open arc. Deposits are slag-free.

Weld Deposit Properties

Hardness: 60-65Rc

Chemistry: C - 5-6; Cr - 20-23; Nb - 5-8; Bal. - Fe, Si, Mn

Excellent oxidation resistance up to 1100°F (591°C)

Cannot be flame-cut

Deposit will readily relieve check-crack

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® DuraChrome™ PS135-MCO Welding Parameters

Current: DC Electrode Positive

Diameter	Amps	Volts	Stick Out
7/64" (2.8mm)	300-400	28-32	1½" (38mm)
1/8" (3.1mm)	400-500	28-32	1½" (38mm)

Packaging Options

Diameter	Standard Packaging
7/64" (2.8mm)	55 lb coil, 220 lb drum, 500 lb drum
1/8" (3.1mm)	55 lb coil, 220 lb drum, 500 lb drum

