



TEXAS * PENNSYLVANIA * NORTH CAROLINA
<http://hi-alloy.com>

HI-ALLOY ES-500

HOT PROCESS - METAL SPRAY POWDER

DESCRIPTION: Hi-Alloy ES-500 Hot Spray Powder is a very soft nickel base alloy which may be used on steel, stainless steel, nickel alloys and cast iron. Because of its excellent machinability and ductility, this alloy is primarily used to repair cast iron. Its deposits possess high impact resistance, so it makes a good buildup or cushion for subsequent hardfacing, high tensile strength, making it suitable for joining, and its high nickel content makes an excellent corrosion resistant cladding and sealing material.

TYPICAL APPLICATIONS: Arms, bars, blades, blocks, bushings, cams, chutes, collars, dies, drums, forks, gears, keyways, molds, mandrels, and plungers.

PROCEDURES: See the Model 7800 Hot Spray Powder Torch.

MELTING TEMPERATURE: 2000° F

HARDNESS: Rockwell C 13 - 18

COVERAGE ESTIMATE: 575 Grams to Cover 130 Square Inches 1/32" Thick