



NICKEL SILVER

DESCRIPTION: Weldcote Metals Nickel Silver filler metal contains 10% nickel and is used primarily for brazing or oxyacetylene welding of steel or cast iron where good color match is desirable. The weld deposits of Weldcote Metals Nickel Silver have very high tensile strength, good ductility and excellent corrosion resistance. The weld deposits are machinable and work hardens when put into service. For this reason Nickel Silver is commonly used for building up or overlaying worn parts such as gear teeth, bearings and valve seats. It is also used in the matrix of tungsten carbide rods where it acts as a “binder” for the tungsten carbide particles. Excellent for tubular structures. A boric acid or borax flux is required. Preheating may be desired for some applications. A neutral or slightly oxidizing flame is recommended. Order as bare or flux-coated.

APPROVALS: Meets AWS A5.8 RBCuZn-D & AWS A5.27 RBCuZn-D

MECHANICAL PROPERTIES

Tensile Strength	95,000 psi
Brazing temperature range	1720°F to 1800°F

Weldcote Metals Nickel Silver uses substantially less filler material than a regular brazing rod.