



WELDCOTE 900

Hardfacing Electrode for
Abrasion and Moderate
Impact



Description/Application: Weldcote 900 is a low hydrogen, all-position, hardfacing electrode for high stress steels, where some impact is combined with abrasion. This electrode creates very little spatter and is often used as a low cost alternative to higher cost alloys. Weldcote 900 is commonly used in structural steel fabrication and is an ideal choice for joining carbon steel, low and medium alloy high tensile steels and cold rolled steel.

Specifications/Classification: AWS / ASME NONE

Typical Chemical Composition

Carbon	0.560%
Silicon	0.430%
Phosphorus	0.018%
Molybdenum	0.630%
Chromium	5.700%
Nickel	0.030%
Manganese	0.950%
Iron	Balance

Typical Mechanical Properties of Weld Metal:

Tensile Strength (psi)	Up to 80,000
Yield Strength (psi)	Up to 68,000
Elongation % in 2"	20 - 40
Hardness as Deposited	55 – 60 RC
Corrosion & Heat Resistance	GOOD

Procedure: Use either AC or DC+ reverse polarity. Clean the weld area. For DC+ (reverse polarity) bevel heavy sections to a 60° Vee. Hold the electrode at a slight angle in the direction of travel and use a weaving technique, but do not exceed 3 times the diameter of the wire. Use a straight forward progression for all position welding. Slowly cool high carbon steels and remove slag between passes.

Diameter Amp Range

1/8"	100 - 130
5/32"	150 - 190

Available sizes: 1/8" & 5/32" in 1 lb. and 10 lb. containers

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Kings Mountain,
NC 28086
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866-923-2167

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866-516-0095

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