

## PRODUCT OVERVIEW

**PMET 888** is a nickel molybdenum aluminum cored wire specifically designed for arc spraying. It produces dense, well-bonded coatings with excellent wear resistance and good corrosion resistance. It is widely used for machine element repair, dimensional restoration and wear resistance applications.

### TYPICAL DEPOSIT CHARACTERISTICS:

⇒ Typical Hardness:	HRB 75-85
⇒ Bond Strength:	7500 psi
⇒ Deposit Rate:	9 lbs/hr/100A
⇒ Deposit Efficiency:	75%
⇒ Wire Coverage:	0.7 oz/ft <sup>2</sup> / mil
⇒ Surface Texture:	* Variable
⇒ Machineability:	Good

\* Depends on air pressure used

### SURFACE PREPARATION

Surface should be clean, white metal, with no oxides (rust), dirt, grease, or oil on the surface to be coated. **Note:** It is best not to handle surfaces after cleaning.

Recommended method of preparation is to grit blast with 24 mesh aluminum oxide, rough grind, or rough machine in a lathe.

### APPLICATION

- ⇒ Wear resistant coatings
- ⇒ Part restoration

### SPECIFICATION

NiAlMo ; Honeywell FP5045 Type XVI ; Molybdenum-Nickel-Aluminum

### NOMINAL CHEMICAL COMPOSITION (wt%)

Al	Mo	Ni
5.5	5.0	Bal

### RECOMMENDED SPRAY PARAMETERS:

Diameter	Air Pressure	Voltage	Amperage	Standoff
1/16" (1.6mm)	*50-60 psi	*30-32	*100-200	*4-6 in (10-15 cm)

\* Parameters are Typical and may vary depending on equipment used. Contact your equipment manufacturer for optimum spray parameters

### STANDARD SIZES & PACKAGING:

Diameter	Packaging	Part Number
1/16" (1.6mm)	25# LWS	888062LWS01