

## **P♦MET 723** Arc Spray Wire

### DESCRIPTION

**P♦Met 723** is an 18/5 stainless steel wire specifically designed for arc spraying. It produces dense, well-bonded coatings with excellent machineability and wear and corrosion resistance. **P♦Met 723** is widely used for machine element repair, dimensional restoration and wear resistance applications.

### TYPICAL DEPOSIT CHARACTERISTICS:

- Typical Hardness                      HRB 90-95
- Bond Strength                            4350 psi
- Deposit Rate                              10 lbs /hr/100A
- Deposit Efficiency                        80%
- Wire Coverage                          0.8 oz/ft<sup>2</sup> / m
- 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:

- Part Restoration
- Rams
- Food Industry Rolls

### SPECIFICATION:

18/5 SS

### NOMINAL CHEMICAL COMPOSITION (wt%):

Cr	Mn	Ni	Si	Fe
18.0	8.0	5.0	0.5	Bal

### RECOMMENDED SPRAY PARAMETERS:

Diameter	Air Pressure	Voltage	Amperage	Standoff
1/16" (1.6mm)	*50 - 60 psi	*28 - 30	*100 - 300	*3 - 6 in (8 - 15cm)

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

### STANDARD SIZES & PACKAGING:

Diameter	Packaging	Part Number
1/16 (1.6mm)	25# LLWS	723062LWS01

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