

# AMPCO<sup>®</sup>

## Arc Welding products



### AMPCO-TRODE<sup>®</sup> 7

An iron-free aluminum bronze alloy available in spooled wire and 36" bare filler rod for use in overlaying bearing and corrosion resistant surfaces. Conforms to Class CuAl-A1 of Specifications ASME-SFA5.7\* and AWS-A5.7\*.

### AMPCO-TRODE<sup>®</sup> 10

A versatile aluminum bronze alloy available in covered electrode, spooled wire and 36" bare filler rod for joining like and dissimilar metals and for overlay of bearing, wear-and corrosion-resistant surfaces. Conforms to Class CuAl-A2 of Specifications ASME-SFA-5.6; ASME-SFA-5.7\*; AWS-A5.6; AWS-A5.7\*, AWS-A5.13\*; MIL-E-23765/3A\*.

### AMPCO-TRODE<sup>®</sup> 150

An iron-bearing aluminum bronze alloy available in spooled wire and 36" bare filler rod for use in overlaying bearing surfaces requiring medium hardness, high strength and good ductility. Conforms to Class CuAl-A3 of Specifications ASME-SFA-5.7\*; AWS-A5.7\*

### AMPCO-TRODE<sup>®</sup> 160

An iron-bearing aluminum bronze alloy available only in covered electrodes. Used for bearing surfaces, dissimilar metal joining and erosion-and cavitation-resistant applications where more strength is required than produced by AMPCO-TRODE<sup>®</sup> 10. Conforms to Class CuAl-B of Specifications ASME-SFA-5.6; AWS-A5.6; AWSA5.13\*.

### AMPCO-CORE<sup>®</sup> 200

A special cored aluminum bronze spooled wire alloy for overlaying bearing surfaces requiring resistance to "squashing" under heavy compressive loads. Nominal hardness 183 BHN.

### AMPCO-CORE<sup>®</sup> 250

A special cored aluminum bronze spooled wire alloy used for extreme bearing and wear-resisting applications, drawing and forming die repairs and die overlays. Nominal hardness 250 BHN.

### AMPCO-CORE<sup>®</sup> 300

A special cored aluminum bronze wire. The hardest iron-bearing aluminum bronze available in spooled wire. Used for drawing and forming dies and overlaying bearing surfaces requiring maximum resistance to compressive loading. Nominal hardness 364 BHN.

### AMPCO-TRODE<sup>®</sup> 40

A manganese nickel-aluminum bronze available in covered electrodes, 36" bare rod and spooled wire. Used for joining and overlaying corrosion-resistant alloys like MIL-B-21230A alloy 2 for marine applications. Conforms to Class CuMnNiAl of Specifications ASME-SFA-5.6; ASME-SFA-5.7\*; AWS-A5.7\*

### AMPCO-TRODE<sup>®</sup> 46

A nickel-aluminum bronze available in covered electrodes, spooled wire and 36" bare rod. Recommended for corrosion, erosion and cavitation applications requiring joining or overlaying alloys like MIL-B-21230A alloy 1. Conforms to Class CuNiAl of Specifications ASME-SFA-5.6; ASME-SFA-5.7\*; AWS-A5.6; AWS-A5.7\* and MIL-E-23765/3A\*.

### COPR-TRODE<sup>®</sup>

A deoxidized copper available in spooled wire and 36" bare rod. Used for joining and overlaying copper plate, castings and wrought products where maximum electrical and thermal conductivity are required. Conforms to Class Cu of Specifications ASME-SFA-5.7\*; AWS-A5.7\*

### SIL-TRODE<sup>®</sup>

A silicon bronze welding alloy for the inert gas arc welding of coppersilicon, copper zinc, copper to themselves, and also to mild steel. Used extensively in the welding of galvanized steel. Conforms to AWS-A5.7 ERCuSi-A

### AMPCO-TRODE<sup>®</sup> 940

An alloy developed to provide an effective alternative to beryllium copper. One of its principle applications is for molds and mold components in the plastics industry. Because of its excellent thermal conductivity, thermal diffusivity, wear resistance and corrosion resistance, AMPCO-TRODE<sup>®</sup> 940 filler metal is specified for the repair of AMPCO<sup>®</sup> 940 molds used in forming plastic parts. Intended for minor welding repair only.

\*Consult AMPCO METAL for waivers

AMPCO <sup>®</sup> Arc Welding products													
Product	Covered Electrodes				Bare Rod 36" (914,4 mm)					Spooled Wire			
	inches (mm)				inches (mm)					inches (mm)			
	3/32 (2.38)	1/8 (3.16)	5/32 (3.97)	3/16 (4.76)	1/16 (1.59)	3/32 (2.38)	1/8 (3.16)	5/32 (3.97)	3/16 (4.76)	0.035 (0.89)	0.045 (1.14)	1/16 (1.59)	3/32 (2.38)
AMPCO-TRODE <sup>®</sup> 7						●	●				●	●	
AMPCO-TRODE <sup>®</sup> 10		●	●		●	●	●	●	●	●	●	●	●
AMPCO-TRODE <sup>®</sup> 150						●	●				●	●	●
AMPCO-TRODE <sup>®</sup> 160		●	●										
AMPCO-CORE <sup>®</sup> 200											●	●	
AMPCO-CORE <sup>®</sup> 250											●	●	
AMPCO-CORE <sup>®</sup> 300											●	●	
AMPCO-TRODE <sup>®</sup> 40		●	●		●	●	●	●	●		●	●	
AMPCO-TRODE <sup>®</sup> 46		●	●		●	●	●	●		●	●	●	
COPR-TRODE <sup>®</sup>					●	●	●				●	●	
SIL-TRODE <sup>®</sup>					●	●	●			●	●	●	
AMPCO-TRODE <sup>®</sup> 940					●		●						