

Welding Electrodes

MILD STEEL

E6010 DC

Deep penetration, smooth arc, and low splatter. DC electrode positive.

Type	Dia. (in.)	Container Size	Mfr. Model
Mild Steel			
E6010 DC	1/8	5 lb.	1440-0473
E6010 DC	1/8	10 lb.	1440-0476
E6010 DC	3/32	5 lb.	1440-0474
E6010 DC	5/32	5 lb.	1440-0475
E6011 AC/DC	1/8	5 lb.	1440-0106
E6011 AC/DC	1/8	10 lb.	1440-0107
E6011 AC/DC	3/32	5 lb.	1440-0116
E6011 AC/DC	3/32	10 lb.	1440-0117
E6011 AC/DC	5/32	10 lb.	1440-0097
E6013 AC/DC	1/8	5 lb.	1440-0135
E6013 AC/DC	1/8	10 lb.	1440-0136
E6013 AC/DC	3/32	10 lb.	1440-0147
E7014, Iron Powder	1/8	10 lb.	1440-0202
E7014, Iron Powder	3/32	5 lb.	1440-0206
E7014, Iron Powder	3/32	10 lb.	1440-0207
E7014, Iron Powder	5/32	5 lb.	1440-0151
7018 AC/DC, Low Hydrogen	1/8	50 lb.	1440-0188
7018 AC/DC, Low Hydrogen	1/8	10 lb.	1440-0187
7018 AC/DC, Low Hydrogen	3/32	50 lb.	1440-0198
7018 AC/DC, Low Hydrogen	3/32	10 lb.	1440-0197
7018 AC/DC, Low Hydrogen	5/32	5 lb.	1440-0181
7018 AC/DC, Low Hydrogen	5/32	10 lb.	1440-0182
General Purpose Maintenance Electrodes			
E6013 AC/DC	1/16	1 lb.	1440-0454
E6013 AC/DC	1/8	5 lb.	1440-0453
E6013 AC/DC	3/32	5 lb.	1440-0452
Stainless Steel			
E308/308L-16 AC/DC	5/32	10 lb.	1440-0470
E308/308L-16 AC/DC	3/32	1 lb.	1440-0165
E309/309L-16 AC/DC	1/8	10 lb.	1440-0496
E309/309L-16 AC/DC	3/32	10 lb.	1440-0497
E316/316L-16 AC/DC	1/8	10 lb.	1440-0487
E316/316L-16 AC/DC	3/32	10 lb.	1440-0488
Nickel			
ENiCL, Pure Nickel	3/32	5 lb.	1440-0455
ENiFeCL, Ferro Nickel	1/8	10 lb.	1440-0486
ENiFeCL, Ferro Nickel	3/32	5 lb.	1440-0485
ESi, Cast Iron	1/8	10 lb.	1440-0498
Aluminum Alloy			
E4043	1/8	5 lb.	1440-0420

TIG Welding Rods

Generally have minimal splatter and low distortion.

MILD STEEL

For use on rusty or dirty steel.

STAINLESS STEEL

For welding types 201, 202, 301, 302, 304, 305, 308, 304L, 308L, 321, and 347.



Description	Diameter (in.)	Package Quantity	Mfr. Model
Mild Steel			
ER80S D-2	1/16	1-Lb. Box	1440-0471
ER80S D-3	3/32	1-Lb. Box	1440-0472
Stainless Steel			
ER308L	1/16	10-Lb. Box	1440-0477
ER308L	3/32	10-Lb. Box	1440-0478
ER308L	1/8	10-Lb. Box	1440-0479



E6011 AC/DC

All-position electrode is ideal for deep penetration. Welds through rust, scale, oil, and dirt. Use when unable to prepare surface.

E6013 AC/DC

General purpose, all-position electrode is excellent for low heat applications. Best when used on clean or prepared surfaces.

E7014 Iron Powder

Designed for high deposition and high electrode travel speed. Medium to low penetration. Best used with clean or prepared surfaces. All-position electrode.

7018 AC/DC Low Hydrogen

Designed to produce X-ray quality results. All-position, medium penetration electrode is best used with clean or prepared surfaces.

STAINLESS STEEL

E308/308L-16

Ideal for welding 18-8 stainless steel (304, 302) with service less than 750°.

E309/309L-16

Higher corrosion resistance and strength than 308 type. All-position electrode suitable for 304 to 309 and 308 to carbon steel.

E316/316L-16

Highest corrosion resistance makes this all-position electrode ideal for chemical or corrosive environments.

NICKEL

AC/DC, all-position electrodes are for heavy sections of cast iron, ductile iron, and dissimilar metal.

ALUMINUM ALLOY

All-position electrode for joining, build-up, cladding and reinforcing of aluminum sheets, plates, and castings of 1/8" thickness or heavier.



Brazing Alloys

Join similar or dissimilar metals together without melting base metal. Ideal for manufacturing plumbing fixtures, mining tools, condensers, and automotive applications.

COPPER

Superior liquidity allows for tight fitting joints such as those needed for heating/ventilation applications. Increased silver content provides ductility and strength.

NICKEL SILVER

Join any combination of ferrous and nonferrous metals (except white), carbon, and steel alloys. An economical alternative to silver alloys. Stronger than ordinary bronze.

BRONZE

Flux-coated, low-fuming rod provides all properties for best tensile strength and ductility. Fuses well with cast iron, malleable iron, steel, brass, and copper.



Type	Dimensions (in.)		Container	Mfr. Model
	Dia.	L		
Copper Brazing Alloys				
"0" Phos Copper	1/20	18	1-Lb. Box	1440-0459
"5" Phos Copper	1/20	18	1-Lb. Box	1440-0464
"15" Phos Copper	1/20	18	1-Lb. Box	1440-0465
General Purpose LFB	1/8	18	3-Lb. Box	1440-0463
Nickel Silver Brazing Alloys				
Premium Nickel Alloy	1/8	18	3-Lb. Box	1440-0462
Premium Nickel Alloy	3/32	18	3-Lb. Box	1440-0461
Bronze Brazing Alloy				
Low Fuming Alloy	1/8	36	5-Lb. Box	1440-0430