

## Arc-Prep™ Metal Working Electrode

Arc-Prep is a metal working electrode that leaves no carbon residue with minimal heat transfer to the base metal.

- Extreme cutting action — cleans and prepares the base metal with a high velocity arc action that melts and aggressively blows away the metal
- Pierces, chamfers, cuts or gouges all metals — including difficult-to-cut metals such as stainless steel, tool steel, cast iron and hard surfacing
- Portable — no oxygen or compressed-air equipment needed
- Quiet and easy-to-use — better for metalworking than carbon-arc gouging or mechanical grinding
- Economical — no special equipment required
- Carbon-free — eliminates damaging carbon deposits and costly work on surface preparation



Scan to see  
application video!

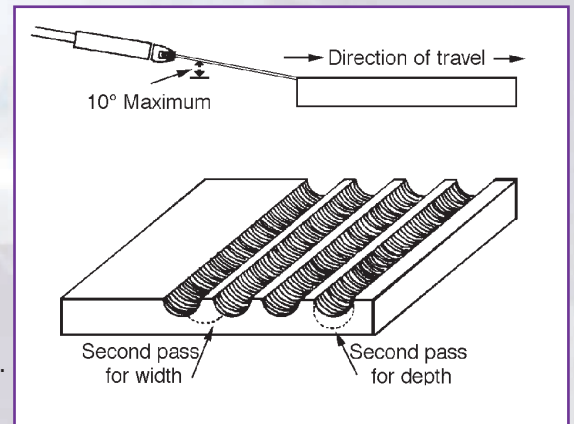
### PROCEDURE

#### Chamfering:

Point the electrode in the direction of travel. Hold the electrode at an angle of 10° to the workpiece. After striking the arc, move forward with a quick and even sawing motion. Cut a shallow groove. If additional depth or width is desired, make subsequent grooves.

#### Cutting:

Hold the electrode at a 30° angle to the workpiece. Keep in contact with the base metal. After the arc is struck, manipulate the electrode like a saw, using quick back-and-forth even motions. Push the electrode in the direction of travel. End the cutting action on an upward movement.



### APPLICATIONS

- Beveling
- Preweld preparations
- Removing unwanted metal
- Removing frozen bushings
- Chamfering stainless steel
- Removing AR plate
- Removing weld deposits
- Gouging out cracks
- Removing frozen bearings
- Removing flash and risers
- Preparation for hardfacing

**DOD EMALL**  
<https://dod.emall.dia.mil>  
 SP47W1-17-D-0009  
 Available in select sizes only

Code #	Diameter	Amperage	Current
161-2-0000	3/16"	250-400	AC or DC
161-3-0000	5/32"	200-325	AC or DC
161-4-0000	1/8"	125-200	AC or DC
161-5-0000	3/32"	90-160	AC or DC