

# THE QUICKEST AND EASIEST WAY TO PREPARE TUNGSTEN ELECTRODES

Quick & easy setup and operation saves time, eliminates hassles

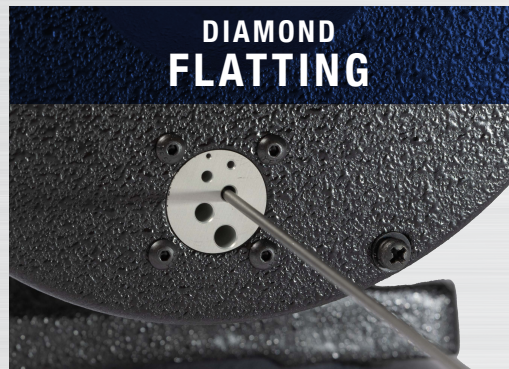
Proper diamond cutting eliminates risk of electrodes splintering & weld rejections

Manufactured in the U.S.A. Expert service and spare parts are available immediately

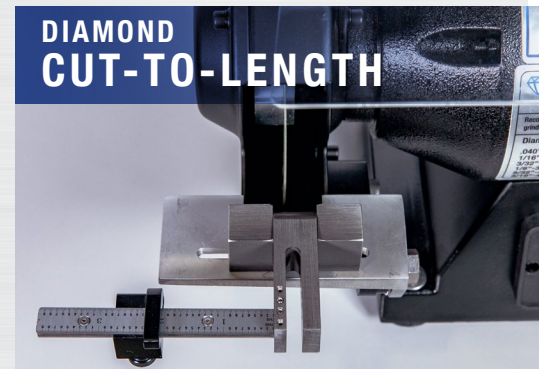
Consistently & properly ground electrodes provide optimum, repeatable welding results



Produces a longitudinally ground taper with a 20RMS finish and a  $\pm 1/2^\circ$  angle tolerance.



Produces a diamond ground flat surface at the tip of the electrode.



Produces smooth diamond cut electrodes on a selectable length scale.

*\*Not available on DGP-R1 & DGP-R1-V2 models*

**\*DGP-R2-V2  
MODEL SHOWN**



**CUT-TO-LENGTH**

**GROUND TAPER**

**FLATTING**



 **DGP**  
DIAMOND GROUND  
PRODUCTS



## DGP-R1

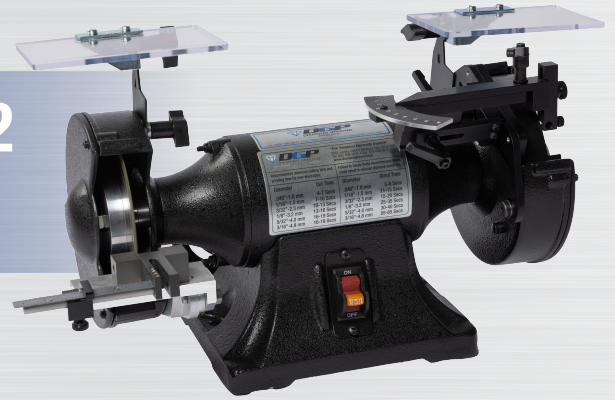
Our most economical grinder

Accomplishes process steps 1 & 2:  
Flat and Taper grinding

For welders who regrind but don't cut, this product provides an all-purpose wheel on the left instead of the cutting apparatus.

Includes diamond grinding and cutting wheels to accomplish all electrode preparation steps

Cutting apparatus includes adjustable stop & scale to allow users to cut as short as .200" (3mm)



## DGP-R2

## DGP-R3

A complete system that includes diamond grinding and cutting wheels to accomplish all electrode preparation steps.

Cutting apparatus includes built-in micrometer indexer for quick and accurate cuts of different lengths as short as .200" (3mm)



### ACCESSORIES

Vacuum system in insulated cabinet for dust collection  
Short collets for grinding short electrodes  
Flexible spotlight

### FEATURES

No tools required for setup or collet changes  
Flat grind and cut most electrodes in 60 seconds or less  
Long life, high-quality diamond wheels that are perfect for grinding tungsten  
Fine, longitudinal finish on taper grinding to improve arc stability, starting and consistency  
Taper angle adjustable from 6°-120° with tolerance of  $\pm 1^\circ$   
Collets available to grind electrodes for .020" to 3/16" (.5mm - 4.8mm) diameter

### APPLICATIONS

Mechanized / Automated TIG & Plasma Welding  
Manual TIG & Plasma Welding  
Orbital Tube & Pipe Welding

### DGP GRINDERS

**Dimensions:** 18" (L) x 11" (D) x 12" (H) • 485mm x 229mm x 305mm

**Weight:** 30lbs • 13.61 kg

**Voltage:** 115 VAC, 60 Hz (standard) • 220 VAC, 50 Hz (option)

**Motor:** 1/3HP 110/220 Volt, Standard OR 220/240 Volt Optional; 50/60Hz

**Amperage:** 3.5Amp

### DGP GRINDERS WITH VACUUM CABINET

**Dimensions:** 26" (L) x 20" (D) x 44" (H) • 660mm x 508mm x 1,118mm

**Weight:** 120lbs • 54.44 kg

**Voltage:** 115 VAC, 60 Hz (standard) • 220 VAC, 50 Hz (option)

**Motor:** 1/3HP 110/220 Volt, Standard OR 220/240 Volt Optional; 50/60Hz

**Amperage:** 12Amps

### PIRANHA II

Compact / Precision tungsten grinder .040" - 3/32" (1.0 - 2.4mm)

### PIRANHA III

Heavy duty dedicated tungsten grinder designed for continuous grinding of .040" - 3/16" (1.0 - 4.8mm)

### PRE-GROUND ELECTRODES

CNC manufactured high tolerance electrodes for orbital and automatic TIG and Plasma Welding

### PREMIUM TUNGSTEN

Thoriated, Lanthanated, Ceriated, Zirconiated, Tri-Mix®, Cryo-T®, Pure & Specialty Materials



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