

# MG 788

**Tungsten Carbide bearing composite rod  
for gouging abrasion**



## GENERAL CHARACTERISTICS:

This composite-type rod is made up of easy hard, sharp tungsten carbide particles that are held in a shock-resistant, high-strength matrix to keep the carbide particles in place, even under extreme conditions. Can be used on steel, cast iron and copper alloys. When the exposed carbide chips become dull, they can be heated and repositioned to expose new, sharp edges to help reduce application cost. Available in various sized tungsten carbide chips.

## APPLICATIONS:

Used to overlay drills, reamers, bucket teeth, augers, stabilizer milling tools or any parts that must take severe abrasion. Used extensively in the oil and earth moving industries where abrasion resistance, as well as good impact qualities are important. Can be used to surface horseshoes to prevent slipping, or on any part that needs a rough surface. Can also be used in the agriculture and dredging industries on mill hammers, plow shares, cultivate shovels, dredge bucket lips, dredge pump cutters, side pump plate and drive tumbler plates. It can be used in the brick and cement industries for crusher rolls, muller plows, shredder knives, pug mill knives and pipe forming shoes, etc.

## TECHNICAL DATA:

Hardness	Matrix 94 HRB, Carbides 77 HRC		
Flame Adjustment	Large neutral flame		
Carbide Chip Size	1/8" (3.2mm)	3/16" (4.8mm)	1/4" (6.4mm)

## PROCEDURE:

Thoroughly clean base material of all debris and previous coatings. Grit-blasted surfaces are preferable but not required. Use a large neutral flame to preheat base metal. Direct flame to rod until flux melts and alloy begins to flow out. Continue preheating part and applying alloy where desired. Rotating the rod during work will encourage even heating and carbide distribution. Allow part to cool slowly. DO NOT QUENCH.

