

# GEECOR 40

**TUNGSTEN CARBIDE TUBULAR ELECTRODE FOR HIGH PRESSURE ABRASION.**

## IDENTIFICATION

Geecor 40

## DESCRIPTION

Flux coated tubular electrode containing carbides, which gives low heat input and infinite shelf life. The electrode deposits fine tungsten carbide embedded in a hard and tough martensitic-austenitic matrix. Suitable for extreme abrasion with low to moderate impact. It resists all forms of abrasion and wear.

## CHARACTERISTICS

- Exceptional resistance to severe abrasion and moderate to heavy impact at low to medium temperatures.
- Low spatter level.
- Unmatched deposition rates-high integrity deposits.
- Compared to solid cored electrodes, the current requirement is low so the dilution by parent metal is a minimum.
- Non-hygroscopic coating needs no storage precaution-infinite shelf life.

**ALLOY BASE :** C, CO, W

## TYPICAL APPLICATION

Rock drill bits, oil well drills, sand gravel chutes, coal cutter bits and picks, bulldozer end plates, grader end bits, feed screens, scraper for sand and refractory materials, fan and pump impellers, pug mill augers and knives, choppers, post hole auger teeth, feed screws, mixer blades /paddles etc.

## MECHANICAL PROPERTIES OF THE WELD METAL (RANGE)

**Hardness :** 56- 63 HRC

## PACKING PARAMETERS

| Size (mm) | Length (mm) | AMPS<br>(AC 70, DC +/-) | Packing / Box<br>(kg) |
|-----------|-------------|-------------------------|-----------------------|
| 6.3       | 450         | 75 - 130                | 5 x 4 = 20            |
| 8         | 450         | 110 - 160               | 5 x 4 = 20            |