

Repair & Maintenance Products

SME G10



 **SENOR[®]**

One Stop Solution for Welding & Brazing Consumables

SME G10

Electrodes for MMAW Process

Hard Facing

Alloy:

Cr, Mn

Characteristics :

SME G10 is a surfacing electrode for parts subjected to wear by friction. This can be used for thick surfacing without intermediate layers.

Technical Data :

Hardness (as deposited): 29-35 RC

Applications :

1. Build-up prior to hardfacing
2. Surfacing of parts subject to wear by friction and mild impact
3. Oiling surfaces, sliding surfaces subject to heavy wear
4. Construction & mining machinery parts like drive sprockets, rollers, concrete mixer blades, pump shafts
5. Brake Drums and Guides

Welding Current: AC / DC(+)

Size (Ø mm)/Length	:	3.2 x 350	4.0 x 350	5.0 x 350
Current (amps)	:	80 – 105	110 – 155	140 – 180

Availability:

Standard Size: 5.0, 4.0, 3.2 and 2.5 in 350 / 450 mm length

Packing: 5 kg.



Note on Usage:

1. Clean the area by wire brush .Remove cracked metal
2. Preheat at 150°C if parts around 40°C or thicker than 25 mm
3. Use short arc and lay stringer beads
4. Excessive weaving is not recommended as wide beads can cause excessive base metal overheating and degrade the weld deposit wear properties
5. Follow the recommended welding parameters to achieve good deposit.
6. After welding allow parts to slow cool in still air

Above are basic guidelines and will vary depending on joint design, number of passes and other factors.

⚠WARNING Ⓢ

Protect yourself and others. Read and understand this warning. Do not remove this warning.

Fumes and Gases can be hazardous to your health

- Before use, read and understand the Material Safety Data Sheet (MSDS), the manufacturer's instructions, and your employer's safety practices.
- If MSDS is not enclosed. Obtain from your employer.
- Keep your head out of the fumes. See Section 5 of the MSDS for specific fume concentration limits.
- Use enough Ventilation, exhaust at the arc, or both, to keep fumes and gases from your breathing zone and the general area. If needed, use a proper respirator.
- No hazards exist before this product is used in arc welding.

Electric Shock can kill

- Always wear dry insulating gloves
- Insulate yourself from work and ground.
- Do not touch live electrical parts.

ARC Rays can injure eyes and burn skin

- Wear welding helmet with correct filter.
- Wear correct eye, ear, and body protection.

Welding can cause fire or explosion

- Do not weld near flammable material.
- Watch for fire, keep, extinguisher nearby.

Read American National Standards Z49.1, "Safety In Welding, Cutting and Allied Process." from American Welding Society.