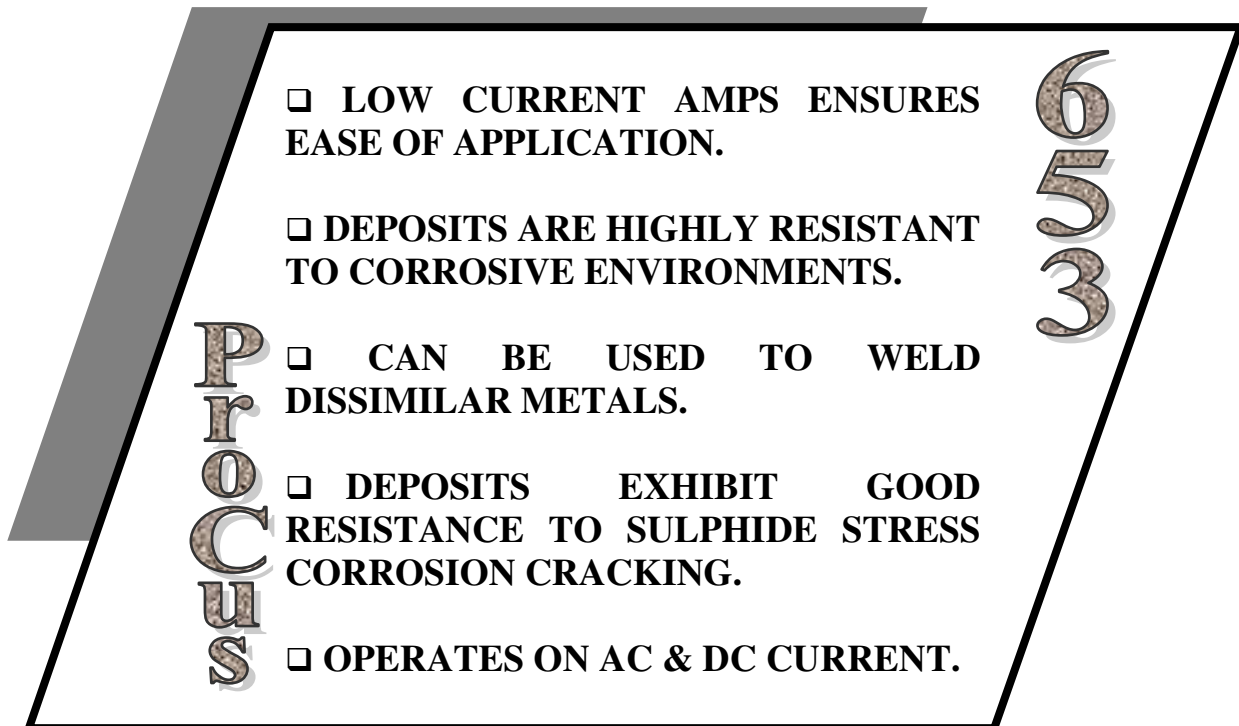


# **ProCus 653**

**A VERSITILE, HIGHLY ALLOYED ELECTRODE FORMULATED FOR WELD REPAIRS IN AREAS OF HIGH TEMPERATURES AND CORROSION**

**ProCus 653 IS ALSO IDEAL AS A WELD OVERLAY OF CRITICAL SURFACES OF FERRITIC STEEL COMPONENTS EXPOSED TO SALT WATER.**

## **SPECIAL FEATURES:**



- LOW CURRENT AMPS ENSURES EASE OF APPLICATION.
- DEPOSITS ARE HIGHLY RESISTANT TO CORROSIVE ENVIRONMENTS.
- CAN BE USED TO WELD DISSIMILAR METALS.
- DEPOSITS EXHIBIT GOOD RESISTANCE TO SULPHIDE STRESS CORROSION CRACKING.
- OPERATES ON AC & DC CURRENT.

**ARC CHARACTERISTICS OF PROCUS 653 ARE STABLE AND SMOOTH WITH A FINE WELD METAL TRANSFER**

# ProCus 653 AC - DC

---

## TECHNICAL INFORMATION

### DESCRIPTION

An electrode specifically developed to provide excellent resistance to corrosion, at varying temperatures, and for welding dissimilar metals.

### FEATURES

Along with wear corrosion is a major cause of downtime in industry, being often unplanned, and so results in significant costs and lost production. Often, the analyses of the materials being used in service in these corrosive environments are unknown and so making the selection of the correct electrode to be used a little difficult.

ProCus 653 is an alloy that is formulated to provide weld deposits with excellent resistance to corrosion in a wide range of corrosive environments. Deposits provide excellent resistance to pitting and crevice corrosion and are effective in the harsher acid halide environments such as those encountered in flue gas desulphurisation and other pollution control plant and equipment.

Because of the high weld metal strength and excellent toughness at very low temperatures ProCus 653 is also very suitable for joining the 5% and 9% nickel steels generally used for cryogenic services. The alloy can also be used as a weld overlay of critical, and sometimes maintenance inaccessible, surfaces of ferritic steel components exposed to salt water such as the naval, offshore and desalination industries.

ProCus 653 can also be used to join the highly alloyed austenitic stainless steels used in handling the saline waters in the offshore or chemical industries. Success of deposit overlays in bearing applications can probably be ascribed in part to the favourable influence of rapid work hardening.

ProCus 653 is also available for MIG and TIG applications. Their respective part numbers are 653M and 653T.

### TECHNICAL DATA

Tensile Strength: 655 Mpa