

# **ProCus 607**

## **A HIGHLY ALLOYED ARC ELECTRODE WHICH IS FORMULATED TO WELD A WIDE VARIETY OF STEELS.**

Procus 607 is a highly alloyed electrode which is designed to reduce the potential for weld failure when welding high strength steels or steels of unknown analysis. The flux coating formula produces an exceptionally smooth weld metal transfer.

### **SPECIAL FEATURES:**

- ↳ Deposits have exceptionally high elongation and yield & tensile strengths.
- ↳ Weld deposits withstand high shock and impact.
- ↳ Special flux formula ensures deposits are free of porosity and slag entrapments.
- ↳ Easy running characteristics.

**PROCUS**

**607 - for unknown steels**

**PROCUS 607 - WELDS MILD STEEL, MEDIUM CARBON STEEL, HIGH CARBON STEEL, STAINLESS STEEL, TOOL & DIE STEELS, CAST STEELS, MANGANESE STEEL, T-1 STEEL and DISSIMILAR STEELS.**

**PROCUS – PROduct excellence – CUStomer service**

# ProCus 607<sub>AC - DC</sub>

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## TECHNICAL INFORMATION

### DESCRIPTION

An all position electrode which produces smooth, porosity free weld deposits with no spatter or undercut.

### FEATURES

ProCus 607 is a highly alloyed welding electrode designed to overcome the many difficulties or adversities often experienced in the maintenance welding environment. Construction of today's modern equipment generally incorporates a variety of components manufactured from higher alloy, higher yield strength steels. It is essential, that when these equipment components require weld repairs, that the weld metal deposit at least equals or surpasses the strength of the parent metal.

ProCus 607 is unique in that no finer electrode has been developed for general maintenance welding applications. It's superb low amperage and easy strike/re-strike welding characteristics provide for ease of application, particularly for out of position or for very difficult welding situations.

Weld deposits of 607 are highly resistant to all types of cracking and extremely suitable for joining such steels as spring steel, tool & die steels, dissimilar steels, sulphur bearing steels, manganese steels, high carbon steels and steels of unknown analysis. Deposits of ProCus 607 will work harden but are readily machineable and the weld bead produced is extremely uniform, finely rippled, free of spatter and undercut. Base metal dilution is significantly reduced due to the low amperage characteristics of the electrode.

### TECHNICAL DATA

Tensile strength - up to 825 MPa (120,000 psi) as welded  
- up to 1240 MPa (180,000 psi) after work hardening  
Yield strength - up to 620 MPa  
Elongation in 50 mm (2.0") = 33%

**RECOMMENDED AMPERAGES:** 4.8 mm - 135 to 200: 4.0 mm - 110 to 150: 3.2 mm - 75 to 125: 2.4 mm - 40 to 75.