Prime-Arc 85
Prime-Arc 85 JW  Joining Wire
Prime-Arc 85 JE  Joining Electrode

Prime-Arc 85 JW and Prime-Arc 85 JE are designed to deposit a modified austenitic stainless steel recommended for joining, rebuilding, or cusion overlaying on applications involving high-strength, and heat corrosion resistance. It is also frequently used in dissimilar metal applications to join carbon steels and high-strength alloy steels to stainless steels.

Prime-Arc 85 has excellent welder appeal with a smooth spray arc and self-peeling slag.

Applications
PA 85 is a “universal” weld consumable that can be used to join high strength steels, chromium carbide overlay plates, stainless steels and dissimilar metals (e.g. stainless to mild steel).

Benefits
PA 85 can be used to join any ferrous metal to any other ferrous metal. It has a very high tensile strength, and work hardens in service.

Technical
A modified 312 stainless steel chemistry provides a low ferrite number weldment, and is excellent for both high and low temperature service. Tensile strength exceeds 130 KSI with elongation of up to 35%, and work hardens to 450 BHN.