

HASTELLOY[®] W alloy

Principal Features

HASTELLOY[®] W alloy (UNS N10004) is a solid-solution-strengthened super alloy that was developed primarily as a filler metal for welding of dissimilar alloys. It displays excellent dissimilar welding characteristics, and is widely used for that purpose in the gas turbine and aerospace industries. The properties of dissimilar weld joints made with alloy W are dependent upon the alloys joined, but are generally acceptable for a wide variety of combinations. Alloy W is also used as a wrought alloy for a limited number of ring-type applications in older gas turbine engines. HAYNES[®] 242[®] alloy is a more modern alloy, and should be considered as a substitute for alloy W in these ring applications (ask for publication H-3079).