

HAYNES[®] HR-224[®] alloy

Principal Features

Haynes International, Inc. is pleased to announce the development of HAYNES[®] HR-224[®] alloy, a new alloy with excellent oxidation resistance and improved fabricability and weldability compared to HAYNES[®] 214[®] alloy. This Ni–27.5Fe–20Cr–3.8Al alloy achieves superior oxidation resistance through the formation of a tightly adherent alumina protective scale. It exhibits excellent ductility and formability characteristics, with weldability on par with nickel-iron-chromium alloys of substantially lower aluminum contents. Potential uses include applications in heat recuperators, automotive catalytic converters and heat shields, strand annealing furnace tubulars, and other severely oxidizing environments.

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