HAYNES SCRAP 1

HAYNES® 25
Excellent strength, good oxidation resistance to 1800°F (980°C), very good sulfidation resistance, and relatively good resistance to wear and galling. Used in gas turbine parts, bearings, and various industrial applications.

HAYNES® R-41
Age-hardenable alloy with excellent strength in the 1000°F-1800°F (540°C-980°C) temperature range. Used for critical gas turbine engine components.

HAYNES® 75
Basic heat-resistant alloy used in low-stress gas turbine and industrial applications.

HAYNES® HR-120®
High-strength economical alloy, with good resistance to industrial environments. Designed for use in heat treating fixture and industrial heating applications as an upgrade from 330 alloy, 800H alloy and stainless steels. Excellent carburization and sulfidation resistance.

HAYNES® HR-160®
Outstanding resistance to sulfidation and other high-temperature aggressive environments. Used in waste incineration, boiler, high-temperature reaction vessel and rotary calciner applications.

HAYNES® HR-224TM
A new alloy with excellent oxidation resistance and improved fabricability and weldability compared to HAYNES® 214® alloy.

HAYNES® NS-163® alloy is a wrought cobalt-based alloy for use in sheet and wire forms.

HAYNES® 188
Excellent strength with superior oxidation resistance and thermal stability compared to HAYNES® 25 alloy . Good sulfidation resistance. Used extensively in demanding military and civil aircraft gas turbine engine combustors and other key components.

HAYNES® 214®
Outstanding oxidation resistance to 2300°F (1260°C), excellent resistance to carburization and excellent resistance to chlorine-bearing environments. Used in demanding industrial heating applications and specialized gas turbine parts, such as honeycomb seals.

HAYNES® 230®
Best balance of strength, thermal stability, oxidation resistance, thermal cycling resistance and fabricability of any major high-temperature alloy. Used in gas turbine combustors and other key stationary components. Also used for heat treating and industrial heating applications, and in the chemical/petrochemical process industry and in fossil energy plants. For welding, use 230-W® filler wire.

HAYNES® 242®
Age-hardenable alloy with excellent strength to 1300°F (705°C), low thermal expansion characteristics, good oxidation resistance to 1500°F (815°C) and excellent fabricability. Also has excellent resistance to high-temperature fluorine and fluoride-bearing environments. Used in gas turbine seal rings, containment containment structures and high-strength fasteners. Also used in fluoropolymer plastics production and CPI applications.

HAYNES® 263
Age-hardenable alloy with excellent strength in the 1000°F-1600°F (540°C-870°C) temperature range and excellent forming and welding characteristics.

HAYNES® 282®
Unique superalloy which combines exceptional high temperature properties with good weldability and fabricability.
HAYNES® 556®
High-strength alloy with broad spectrum of resistance to high-temperature corrosive environments. Used in waste incineration, heat-treating, calcining, chemical processing, galvanizing, refinery, boiler and gas turbine components of various types. Excellent fabricability and excellent as a dissimilar filler metal for welding nickel or cobalt alloys to iron-base alloys.

HAYNES® 617
Good combination of metallurgical stability, strength, and oxidation resistance at high temperatures. Used in applications such as gas turbines for combustion cans, ducting, and transition lines.

HAYNES® 625
Widely used in various aerospace, chemical process and industrial heating components.

HAYNES® 625SQ® alloy sheet and strip find application in aerospace, automotive, and chemical process industry bellows, expansion joints, and fabrications where fatigue resistance, strength, and corrosion resistance are required.

HAYNES® 718
Age-hardenable alloy with excellent strength to 1200°F (650°C). Used extensively in gas turbine components.

HAYNES® X-750
Age-hardenable alloy with good strength to 1500°F (815°C).

MULTIMET®
Predecessor of 556® alloy, used extensively in older aircraft gas turbines.

STELLITE 6®
Stellite 6 is resistant to wear and corrosion even at high temperatures. This alloy is ideal suited for hardfacing applications. Plasma spray, as well as welding wire, are the most common application methods.

HAYNES® Waspaloy
Age-hardenable alloy with excellent strength in the 1000°F-1800°F (540°C-980°C) temperature range. Used for critical gas alloy turbine engine components.