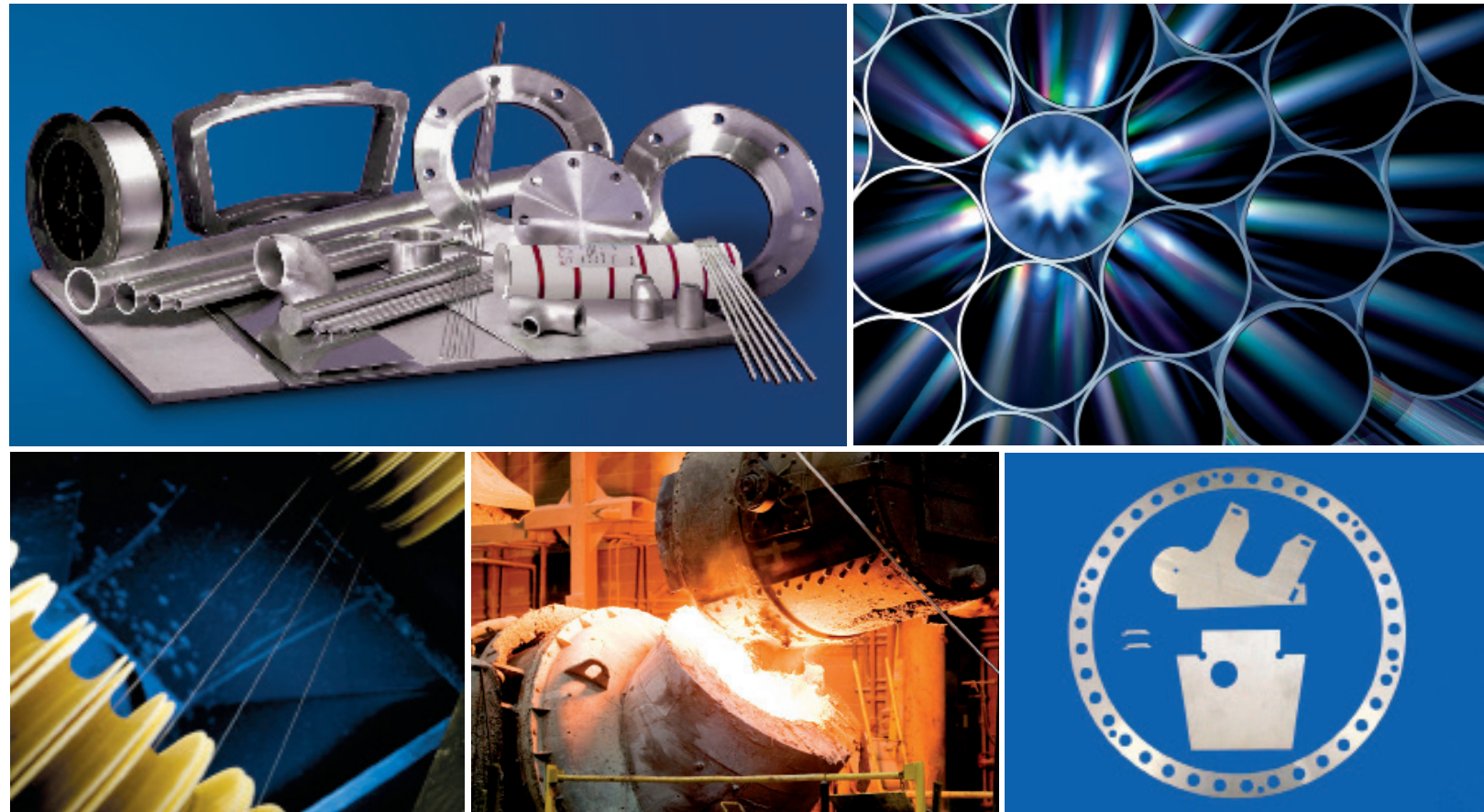


HAYNES

International

Products and Capabilities



High-temperature Alloys

Corrosion-resistant Alloys

Descriptions of High-temperature Alloys

HAYNES® 25 alloy R30605	51Co-20Cr-15W-10Ni-1.5Mn-0.10C-3Fe*-0.4Si* 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® 75 alloy N06075	76Ni-20Cr-5Fe-0.4Ti-0.11C-1Mn*-1Si*-0.5Cu* Basic heat-resistant alloy used in low-stress gas turbine and industrial applications.
HAYNES® 188 alloy R30188	39Co-22Ni-22Cr-14W-0.35Si-0.10C-0.03La-3Fe*-1.25Mn* 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® alloy N07214	75Ni-16Cr-4.5Al-3Fe-0.05C-0.01Y-0.5Mn*-0.2Si*-0.1Zr*-0.01B* 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® alloy N06230	57Ni-22Cr-14W-2Mo-0.5Mn-0.4Si-0.3Al-0.10C-0.02La-5Co*-3Fe*-0.015B* 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, chemical/petrochemical processing industry and fossil energy plants. For welding, use 230-W® filler wire.
HAYNES® 233™ alloy	48Ni-19Co-19Cr-7.5Mo-3.25Al-0.6Ta-0.5Ti-1.5Fe*-0.4Mn*-0.20Si*-0.1C-0.03Zr-0.025Y*-0.006B* Alumina scale-former gives excellent oxidation resistance and exceptional creep strength up to 2100°F (1149°C) with ready fabricability. Potential applications include hot gas and combustion components in aero and industrial gas turbines, heating fixtures, and sensors and thermocouples.
HAYNES® 242® alloy N10242	65Ni-25Mo-8Cr-2.5Co*-2Fe*-0.8Mn*-0.8Si*-0.5Al*-0.5Cu*-0.03C*-0.006B* 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 structures and high-strength fasteners. Also used in fluoropolymer plastics production and chemical processing industry applications.
HAYNES® 244® alloy	62Ni-22.5Mo-8Cr-6W-1Co*-2Fe*-0.8Mn*-0.1Si*-0.5Al*-0.5Cu*-0.03C*-0.006B* lower thermal expansion and improved yield and creep strength to 1400°F (760°C) compared to HAYNES® 242® alloy. Excellent low-cycle fatigue and good oxidation resistance. Used for turbine rings in gas turbines for enhanced dimensional control, sealing tolerances and containment.
HAYNES® 263 alloy N07263	52Ni-20Co-20Cr-6Mo-0.06C-2.4Ti*-0.7Fe*-0.6Mn*-0.6Al*-0.4Si*-0.2Cu* Age-hardenable alloy with excellent strength in the 1000-1400°F (540-760°C) temperature range and excellent forming and welding characteristics.
HAYNES® 282® alloy N07208	57Ni-19.5Cr-10Co-8.5Mo-2.1Ti-1.5Al-1.5*Fe-0.3*Mn-0.15*Si-0.06C-0.005B Unique age-hardenable superalloy which combines exceptional high-temperature properties to 1650°F (900°C) with good weldability and fabricability. Used in aerospace and industrial gas turbine combustion path parts.
HAYNES® 556® alloy R30556	31Fe-22Cr-20Ni-18Co-3Mo-2.5W-1Mn-0.6Ta-0.4Si-0.2N-0.2Al-0.1C-0.02Zr-0.02La 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 alloy N06617	54Ni-22Cr-12.5Co-9Mo-1Al-0.3Ti-0.07C Widely used in gas turbines for combustion cans, ducting and transitions.
HAYNES® 625 alloy N06625	62Ni-21Cr-9Mo-3.7(Cb+Ta)-5Fe*-1Co*-0.5Si*-0.5Mn*-0.4Al*-0.4Ti*-0.10C* Widely used in various aerospace, chemical processing and industrial heating components.
HAYNES® 625SQ® alloy N06626	62Ni-21Cr-9Mo-3.7(Cb+Ta)-5Fe*-1Co*-0.15Si*-0.5*Mn-0.4Al*-0.4Ti*0.03C*-0.02N* Widely used in the aerospace industry.
HAYNES® 718 alloy N07718	52Ni-19Fe-18Cr-5(Cb+Ta)-3Mo-0.9Ti-0.5Al-0.05C-0.009B-1Co*-0.35Mn*-0.35Si*-0.1Cu* Age-hardenable alloy with excellent strength to 1200°F (650°C). Used extensively in gas turbine components.
HAYNES® HR-120® alloy N08120	33Fe-37Ni-25Cr-0.7Mn-0.7Cb-0.6Si-0.2N-0.1Al-0.05C-0.004B-3Co*-2.5Mo*-2.5W* Economical high-strength 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® alloy N12160	37Ni-29Co-28Cr-2.75Si-2Fe-0.5Mn-0.05C Outstanding resistance to sulfidation and other high-temperature aggressive environments. Used in waste incineration, boiler, high-temperature reaction vessel, rotary calciner applications and thermocouple shielding.
HAYNES® HR-224® alloy	46Ni-27.5Fe-20Cr-3.8Al-0.5Mn*-0.5Ti*-0.4Si*-0.05C-0.025Zr*-0.004B* Excellent oxidation resistance to 2200°F (1204°C), with improved fabricability and weldability compared to HAYNES® 214® alloy. Used in demanding industrial heating applications and steam reformer parts.
HAYNES® HR-235® alloy N06235	58Ni-31Cr-5.6Mo-3.8Cu-1.5Fe*-0.7Mn*-0.6Si*-0.4Al*-0.06C High-chromium, copper-bearing nickel alloy has excellent resistance to metal-dusting in carbonaceous high-temperature environments while being readily fabricated and welded. Potential uses include applications in petrochemical production and syngas plants.
MULTIMET® alloy R30155	30Fe-21Cr-20Ni-20Co-3Mo-2.5W-1.5Mn-1(Cb+Ta)-0.15N-0.12C-1Si* Predecessor of 556® alloy, used extensively in older aircraft gas turbines.
HAYNES® R-41 alloy N07041	52Ni-19Cr-11Co-10Mo-3.1Ti-1.5Al-0.09C-0.006B-5Fe*-0.5Si*-0.1Mn* Age-hardenable alloy with excellent strength in the 1000-1650°F (540-900°C) temperature range. Used for critical gas turbine engine components.
HASTELLOY® S alloy N06635	67Ni-16Cr-15Mo-0.5Mn-0.4Si-0.25Al-0.02La-3Fe*-2Co*-1W*-0.02C*-0.015B* Excellent thermal stability, good thermal fatigue and oxidation resistance, and relatively low expansion characteristics. Used in low-stress gas turbine parts. Excellent dissimilar filler metal.
HAYNES® Waspaloy alloy N07001	58Ni-19Cr-13.5Co-4Mo-3Ti-1.5Al-0.08C-0.006B-2Fe*-0.15Si*-0.1Mn* Age-hardenable alloy with excellent strength in the 1000°F - 1600°F (540°C - 870° C) temperature range. Used for aerospace and industrial gas turbine engine components.
HASTELLOY® X alloy N06002	47Ni-22Cr-18Fe-9Mo-1.5Co-0.6W-0.10C-1Mn*-1Si*-0.008B* Very good balance of strength, oxidation-resistance and fabricability. Widely used material for aircraft, marine and industrial gas turbine engine combustors and fabricated parts.
HAYNES® X-750 alloy N07750	70Ni-16Cr-8Fe-2.5Ti-1(Cb+Ta)-0.8Al-1Co*-0.5Cu*-0.35Mn*-0.35Si*-0.08C* Age-hardenable alloy with good strength to 1500°F (815°C).

Description of Titanium Tubular Alloy

HAYNES® Ti-3Al-2.5V alloy R56320	94Ti-3Al-2.5V-0.25Fe*-0.120H**~0.05C*-0.02N* Alloy used where strength/weight ratio is of prime importance (43% lighter than 21-6-9 stainless steel). Used mostly in the form of seamless tubing for aircraft hydraulic systems.
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* As balance ^bMinimum ^cMaximum ^{**}Maximum varies with specification

B = designation specifications are ASTM SB = designation specifications are ASME Vessel Code SFA = designation specifications are ASME A = designation specifications are AWS AMS = designation specifications are SAE

Applicable Specifications of High-temperature Alloys

Alloy	Sheet, Plate & Strip	Billet Rod/Bar	Coated Electrodes	Bare Welding Rods	Seamless Pipe & Tube	Welded Pipe & Tube	Fittings	Forgings
HAYNES® 25 alloy R30605	AMS 5537	AMS 5759 MIL-C-24252D	AMS 5797	AMS 5796				AMS 5759
HAYNES® 75 alloy N06075								
HAYNES® 188 alloy R30188	AMS 5608	AMS 5772		AMS 5801				AMS 5772
HAYNES® 214® alloy N07214								
HAYNES® 230® alloy N06230 HAYNES® 230-W® alloy N06231 (W86231)	AMS 5878 SB 435/B 435	AMS 5891 SB 572/B 572 B 472	SFA 5.11 (ENiCrWMo-1) A 5.11 (ENiCrWMo-1)	SFA 5.14 (ERNiCrWMo-1) A 5.14 (ERNiCrWMo-1) AMS 5839	SB 622/B 622	SB 619/B 619 SB 626/B 626	SB 366/B 366	AMS 5891 SB 564/B 564
HAYNES® 233® alloy								
HAYNES® 242® alloy N10242	SB 434/B 434	SB 573/B 573 B 472		SFA 5.14 (ERNiMo-12) A 5.14 (ERNiMo-12)	SB 622/B 622	SB 619/B 619 SB 626/B 626	SB 366/B 366	SB 564/B 564
HAYNES® 244® alloy								
HAYNES® 263 alloy N07263	AMS 5872	AMS 5886		AMS 5966				AMS 5886
HAYNES® 282® alloy N07208	AMS 5951	B 637 AMS 5915		SFA 5.14 (ERNiCrCoMo-2) A 5.14 (ERNiCrCoMo-2)				B 637 AMS 5915
HAYNES® 556® alloy R30556	AMS 5874 SB 435/B 435	AMS 5877 SB 572/B 572 B 472		SFA 5.9 (ER3556) A 5.9 (ER3556) AMS 5831	SB 622/B 622	SB 619/B 619 SB 626/B 626	SB 366/B 366	AMS 5877
HAYNES® 617 alloy N06617 (W86117)	AMS 5888 AMS 5889 SB 168/B 168	SB 166/B 166 B 472 AMS 5887	SFA 5.11 (ENiCrCoMo-1) A 5.11 (ENiCrCoMo-1)	SFA 5.14 (ERNiCrCoMo-1) A 5.14 (ERNiCrCoMo-1)	SB 167/B 167			SB 564/B 564
HAYNES® 625 alloy N06625 (W86112)	AMS 5599 SB 443/B 443 AMS 5869	AMS 5666 SB 446/B 446 B 472	SFA 5.11 (ENiCrMo-3) A 5.11 (ENiCrMo-3)	SFA 5.14 (ERNiCrMo-3) A 5.14 (ERNiCrMo-3) AMS 5837	AMS 5581 SB 444/B 444	AMS 5581 SB 704/B 704 SB 705/B 705	SB 366/B 366	AMS 5666 SB 564/B 564
HAYNES® 625SQ® alloy N06626	AMS 5879					ASME Code Case No. 2276	ASME Code Case No. 2276	
HAYNES® 718 alloy N07718	AMS 5596 AMS 5597	AMS 5662 AMS 5663 AMS 5664 SB 637/B 637		A 5.14 (ERNiFeCr-2) AMS 5832	AMS 5589 AMS 5590 B 983			AMS 5662 AMS 5663 AMS 5664 SB 637/B 637
HAYNES® HR-120® alloy N08120	AMS 5916 SB 409/B 409	SB 408/B 408 B 472			SB 407/B 407 SB 163/B 163	SB 514/B 514 SB 515/B 515	SB 366/B 366	SB 564/B 564
HAYNES® HR-160® alloy N12160	SB 435/B 435	SB 572/B 572 B 472		SFA 5.14 (ERNiCoCrSi-1) A 5.14 (ERNiCoCrSi-1)	SB 622/B 622	SB 619/B 619 SB 626/B 626	SB 366/B 366	SB 564/B 564
HAYNES® HR-224® alloy								
HAYNES® HR-235® alloy N06235	ASTM B168	ASTM B166			ASTM B167	ASTM B619 ASTM B626		
MULTIMET® alloy R30155 (W73155)	AMS 5532	AMS 5769	SFA 5.4 (E3155) A 5.4 (E3155) AMS 5795	AMS 5794				AMS 5768 B 639
HAYNES® R-41 alloy N07041	AMS 5545	AMS 5712		AMS 5800				AMS 5712
HASTELLOY® S alloy N06635	AMS 5873	AMS 5711		AMS 5838				AMS 5711
HAYNES® Waspaloy alloy N07001	AMS 5544	AMS 5704 AMS 5706 AMS 5707 SB 637/B 637		AMS 5828				AMS 5704 AMS 5706 AMS 5707 SB 637/B 637
HASTELLOY® X alloy N06002 (W86002)	AMS 5536 SB 435/B 435	AMS 5754 SB 572/B 572 B 472	SFA 5.11 (ENiCrMo-2) A 5.11 (ENiCrMo-2)	SFA 5.14 (ERNiCrMo-2) A 5.14 (ERNiCrMo-2) AMS 5798	SB 622/B 622	AMS 5588 SB 619/B 619 SB 626/B 626	SB 366/B 366	AMS 5754
HAYNES® X-750 alloy N07750	AMS 5542 AMS 5598	AMS 5667 AMS 5668 AMS 5670 AMS 5671 AMS 5747		SFA 5.14 (ERNiCrFe-8) A 5.14 (ERNiCrFe-8) AMS 5778	AMS 5582 AMS 5583			AMS 5667 AMS 5668 AMS 5670 AMS 5671 AMS 5747 SB 637/B 637

Applicable Specifications of Titanium Tubular Alloy

HAYNES® Ti-3Al-2.5V alloy R56320					AMS 4943 AMS 4944 AMS 4945 AMS 4946 AS5620 SB 338/B 338Gr9			
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Haynes Tubular Products, located in Arcadia, Louisiana, is devoted exclusively to the production of the highest quality nickel and titanium Ti-3Al-2.5V alloy pipe and tubing. We are a leading supplier of welded and seamless high-performance alloy tubulars and offer numerous third party certifications. Our facility houses a complete range of pilgering, welding and drawing equipment designed especially for the manufacture of diversified sizes of seamless and welded products in HAYNES® and HASTELLOY® alloys.

Tubular Products HAYNES® and HASTELLOY® Alloys

- Welded: 1/2" to 8" Schedule 40
- Seamless Titanium: 1/4" to 1-1/2"
- Other Seamless: 1/2" to 4-1/2"



HAYNES International

Alloy	Form	Plate	Sheet & Strip	Billet	Bar & Rod	Wire	Coated Electrodes	Tubing		Pipe		Fittings
								Welded	Seamless	Welded	Seamless	
HAYNES® 25 alloy		■	■	▲	■	■	■	●		●		
HAYNES® 75 alloy		●	■	▲	●							
HAYNES® 188 alloy		■	■	■	■	■		●		●		
HAYNES® 214® alloy		■	■	●	■	■			●		●	
HAYNES® 230® alloy		■	■	■	■	■	●	■	●	■	●	●
HAYNES® 233® alloy		▲	▲		▲							
HAYNES® 242® and 244® alloys		●	●	■	■	■		●	●	●	●	●
HAYNES® 263 alloy		■	■	■	●	■						
HAYNES® 282® alloy		■	■	■	■	■			●		●	
HAYNES® 556® alloy		■	■	▲	■	■		●		●		●
HAYNES® 617 alloy		■	■	■	●	■	■		●		●	
HAYNES® 625 alloy		■	■	■	●	■	■	■	■	■	■	●
HAYNES® 625SQ® alloy		●	■	●	●			●	●	●	●	●
HAYNES® 718 alloy		■	■	■	●	■		●	■	●	■	
HAYNES® HR-120® alloy		■	■	■	■	●		■	■	■	■	●
HAYNES® HR-160® alloy		■	■	■	■	■		■	■	■	■	●
HAYNES® HR-224® alloy		▲	▲	▲	▲	▲						
HAYNES® HR-235® alloy		▲	▲	▲	▲	▲		●	●	●	●	
MULTIMET® alloy		▲	■	▲	▲	■	■					
HAYNES® R-41 alloy			■	●	●							
HASTELLOY® S alloy		▲	■	▲	■	●						
HAYNES® Waspaloy alloy			■	●	●	■		★				
HASTELLOY® X alloy		■	■	■	■	■	■	■	●	■		●
HAYNES® X-750 alloy		■	■	▲	●	▲			■		■	
HASTELLOY® C-86 and N alloys		●	●	●	●	●						
HASTELLOY® B-3®, C-22®, C-276, C-2000®, and G-30® alloys		■	■	■	■	■	■	■	★	■	★	■
HASTELLOY® C-4, G-35® alloys		■	■	▲	■	■	■	■	■	■	■	●
HASTELLOY® C-22HS® alloy		■	■	●	■	■		●	★	●	★	
HASTELLOY® HYBRID-BC1® alloy		■	■	●	■	■	●	■	■	■	■	■
ULTIMET® alloy		■	■	●	■	■	■					
HAYNES® Ti-3Al-2.5V alloy									■			

■ Available from stock in select sizes

▲ Standard production with minimum quantities

● Available with approval and minimum quantities

★ Oil country tubulars

Haynes Wire Products, located in Mountain Home, North Carolina, is a premier manufacturer and distributor of high-performance nickel- and cobalt-based alloy wire. Our RTW™ wire finish is a proprietary surface finish engineered to offer more weld time and less maintenance time. We produce various structural, thermal spray and stainless steel wires. We offer technical support for all of your wire needs.

Standard Wire Products

- RTW™ Filler Wire
- Precision Layer Wound Spools
- Cut Length TIG Rods
- Coated Electrodes
- Structural Wire
- Rod Coil/Redraw Wire
- Loose Coil
- Thermal Spray Wire
- Medical Wire

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Descriptions of Corrosion-resistant Alloys

HASTELLOY® B-3® alloy N10675	65Ni-28.5Mo-1.5Cr-1.5Fe-3Co*-3Mn*-3W*-0.5Al*-0.2Ti*-0.1Si*-0.01C* Same excellent resistance to hydrochloric acid and other strongly reducing chemicals such as B-2 alloy, but with significantly better thermal stability, fabricability and stress cracking resistance.
HASTELLOY® C-4 alloy N06455	65Ni-16Cr-16Mo-0.7Ti-3Fe*-2Co*-1Mn*-0.08Si*-0.01C* High-temperature stability in the 1200-1900°F (650-1040°C) range as evidenced by good ductility and corrosion resistance. Virtually the same uniform corrosion resistance as C-276 alloy.
HASTELLOY® C-22® alloy N06022	56Ni-22Cr-13Mo-3Fe-3W-2.5Co*-0.5Mn*-0.35V*-0.08Si*-0.01C* Better overall corrosion resistance in oxidizing corrosives than C-4, C-276, and 625 alloys. Outstanding resistance to localized corrosion and excellent resistance to stress corrosion cracking. Best alloy to use as universal weld filler metal to resist corrosion of weldments.
HASTELLOY® C-22HS® alloy N07022	61Ni-21Cr-17Mo-2*Fe-1*W-0.08*Si-0.01*C This alloy was designed to exhibit corrosion resistance comparable to other C-type alloys, but can be heat treated to obtain approximately double the yield strength. Excellent resistance to sour gas environments.
HASTELLOY® C-86 alloy N06686	59Ni-20.5Cr-16Mo-4W-5Fe*-1Mn*-0.5Cu*-0.25Ti* Good overall corrosion resistance with special use as overmatching filler metal for other C-type alloys, and as a corrosion-resistant overlay on carbon and low alloy steels.
HASTELLOY® C-276 alloy N10276	57Ni-16Cr-16Mo-5Fe-4W-2.5Co*-1Mn*-0.35V*-0.08Si*-0.01C* Versatile, corrosion resistant alloy. Very good resistance to reducing and mildly oxidizing corrosives. Excellent stress corrosion cracking resistance with very good resistance to localized attack.
HASTELLOY® C-2000® alloy N06200	59Ni-23Cr-16Mo-1.6Cu-0.08Si*-0.01C* Most versatile, corrosion resistant alloy with excellent resistance to uniform corrosion in oxidizing or reducing environments. Excellent resistance to stress corrosion cracking and superior resistance to localized corrosion as compared to C-276 alloy.
HASTELLOY® G-30® alloy N06030	43Ni-30Cr-15Fe-5.5Mo-2.5W-5Co*-2Cu*-1.5Cb*-1.5Mn*-1Si*-0.03C* Many advantages over other metallic and non-metallic materials in handling phosphoric acid, sulfuric acid, nitric acid, fluoride environments and oxidizing acid mixtures.
HASTELLOY® G-35® alloy N06035	58Ni-33.2Cr-8.1Mo-2Fe*-0.6Si*-0.3Cu*-0.05C* An improvement to G-30® alloy in handling phosphoric acid with excellent resistance to corrosion in highly oxidizing media and acidic chloride environments.
HASTELLOY® HYBRID-BC1® alloy N10362	62Ni-22Mo-15Cr-2Fe*-.25Mn-0.085i*-0.5Al*-0.01C* Bridges the gap between B and C family of alloys with better reducing acid resistance than C family alloys and a resistance to oxidizing impurities.
HASTELLOY® N alloy N10003	71Ni-16Mo-7Cr-5Fe*-1Si*-0.8Mn*-0.5W*-0.5(Al+Ti)*-0.35Cu*-0.2Co*-0.08C* Good resistance to aging and embrittlement plus good fabricability. Excellent resistance to hot fluoride salts in the temperature range of 1300-1600°F (705-870°C).
ULTIMET® alloy R31233	54Co-26Cr-9Ni-5Mo-3Fe-2W-0.8Mn-0.3Si-0.08N-0.06C High yield strength alloy with excellent resistance to pitting corrosion and general corrosion, especially in oxidizing acids, coupled with exceptional wear resistance (cavitation erosion, galling and abrasion).

Applicable Specifications of Corrosion-resistant Alloys

Alloy	Sheet, Plate & Strip	Billet Rod/ Bar	Coated Electrodes	Bare Welding Rods	Seamless Pipe & Tube	Welded Pipe & Tube	Fittings	Forgings
HASTELLOY® B-3® alloy N10675 (W80675)	SB 333/B 333	SB 335/B 335 B 472	SFA 5.11 (ENiMo-10) A 5.11 (ENiMo-10) DIN 2.4696 (EL-NiMo28Cr)	SFA 5.14 (ERNiMo-10) A 5.14 (ERNiMo-10) DIN 2.4695 (SG-NiMo30Cr)	SB 622/B 622	SB 619/B 619 SB 626/B 626	SB 366/B 366 SB 462/B 462 SB 564/B 564	SB 564/B 564 SB 462/B 462
HASTELLOY® C-4 alloy N06455 (W86455)	SB 575/B 575	SB 574/B 574	SFA 5.11 (ENiCrMo-7) A 5.11 (ENiCrMo-7) DIN 2.4612 (EL-NiMo15Cr15Ti)	SFA 5.14 (ERNiCrMo-7) A 5.14 (ENiCrMo-7) DIN 2.4611 (SG-NiMo16Cr16Ti)	SB 622/B 622	SB 619/B 619 SB 626/B 626	SB 366/B 366	
HASTELLOY® C-22® alloy N06022 (W86022)	SB 575/B 575	SB 574/B 574 B 472	SFA 5.11 (ENiCrMo-10) A 5.11 (ENiCrMo-10) DIN 2.4638 (EL-NiCr21Mo14W)	SFA 5.14 (ERNiCrMo-10) A 5.14 (ERNiCrMo-10) DIN 2.4635 (SG-NiCr21Mo14W)	SB 622/B 622	SB 619/B 619 SB 626/B 626	SB 366/B 366 SB 462/B 462 SB 564/B 564	SB 564/B 564 SB 462/B 462
HASTELLOY® C-22HS® alloy N07022		B 637			B 983			B 637
HASTELLOY® C-86 alloy N06686		B-574		SFA 5.14 (ERNiCrMo-14) A 5.14 (ERNiCrMo-14)				
HASTELLOY® C-276 alloy N10276 (W10276)	SB 575/B 575	SB 574/B 574 B 472	SFA 5.11 (ENiCrMo-4) A 5.11 (ENiCrMo-4) DIN 2.4887 (EL-NiMo15Cr15W)	SFA 5.14 (ERNiCrMo-4) A 5.14 (ERNiCrMo-4) DIN 2.4886 (SG-NiMo16Cr16W)	SB 622/B 622	SB 619/B 619 SB 626/B 626	SB 366/B 366 SB 462/B 462 SB 564/B 564	SB 564/B 564 SB 462/B 462
HASTELLOY® C-2000® alloy N06200 (W86200)	SB 575/B 575	SB 574/B 574 B 472	SFA 5.11 (ENiCrMo-17) A 5.11 (ENiCrMo-17) DIN 2.4699 (EL-NiCr23Mo16Cu)	SFA 5.14 (ERNiCrMo-17) A 5.14 (ERNiCrMo-17) DIN 2.4698 (SG-NiCr23Mo16Cu)	SB 622/B 622	SB 619/B 619 SB 626/B 626	SB 366/B 366 SB 462/B 462 SB 564/B 564	SB 564/B 564 SB 462/B 462
HASTELLOY® G-30® alloy N06030 (W86030)	SB 582/B 582	SB 581/B 581 B 472	SFA 5.11 (ENiCrMo-11) A 5.11 (ENiCrMo-11)	SFA 5.14 (ERNiCrMo-11) A 5.14 (ERNiCrMo-11)	SB 622/B 622	SB 619/B 619 SB 626/B 626	SB 366/B 366 SB 462/B 462	SB 462/ B 462
HASTELLOY® G-35® alloy N06035 (W86035)	SB 575/B 575	SB 574/B 574 B 472	SFA 5.11 (ENiCrMo-22) A 5.11 (ENiCrMo-22)	SFA 5.14 (ERNiCrMo-22) A 5.14 (ERNiCrMo-22)	SB 622/B 622	SB 619/B 619 SB 626/B 626	SB 366/B 366 SB 462/B 462	SB 462/B 462 SB 564/B 564
HASTELLOY® HYBRID-BC1® alloy N10362	SB 575/B 575	SB 574/B 574 B 472		A 5.14 (ERNiMoCr-1)	SB 622/B 622	SB 619/B 619 SB 626/B 626	SB 366/B 366	SB 462/B 462 SB 564/B 564
HASTELLOY® N alloy N10003	AMS 5607 SB 434/B 434	AMS 5771 SB 573/B 573		SFA 5.14 (ERNiMo-2) A 5.14 (ERNiMo-2)			SB 366/B 366	AMS 5771
ULTIMET® alloy R31233	SB 818/B 818	SB 815/B 815						

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