

# HAYNES International



Haynes International is a full-service manufacturer of high-performance nickel and cobalt alloy wire products. No matter what size your order is, our highly trained sales staff and technicians will provide end-use technical support and customer service.



Haynes Wire Products  
Toll Free: 1-800-354-0806  
or 765-456-6012  
Fax: 765-456-6079  
158 N. Egerton Road  
P.O. Box 677  
Mountain Home, NC 28758-0677



ISO9001  
CERTIFIED

AS: 9100  
CERTIFIED

## Corrosion-Resistant Alloys

## Specifications

Alloy	UNS	AWS/ASME	AMS	Other
HASTELLOY® B-3®	N10675	ERNiMo-10		
HASTELLOY® C-4	N06455	ERNiCrMo-7		
HASTELLOY® C-22®/622	N06022	ERNiCrMo-10		
HASTELLOY® C-22® HS	N07022			
HASTELLOY® C-86	N06686	ERNiCrMo-14		ASTM B574
HASTELLOY® C-276	N10276	ERNiCrMo-4		
HASTELLOY® C-2000®	N06200	ERNiCrMo-17		ASME Code Case 2337
HASTELLOY® G-30®	N06030	ERNiCrMo-11		
HASTELLOY® G-35®	N06035	ERNiCrMo-22		PS-6099
HAYNES® 200	N02215	ERNi-CI		
HAYNES® M400	N04400		AMS 4730	QQ-N-281
HAYNES® M413	C71580	ERCuNi		
HAYNES® M418	N04060	ERNiCu-7		
HAYNES® N61	N02061	ERNi-1		
ULTIMET®	R31233			PS-6041

## High-Temperature Alloys

## Specifications

Alloy	UNS	AWS/ASME	AMS	Other
HASTELLOY® S	N06635		AMS 5838	
HASTELLOY® W	N10004	ERNiMo-3	AMS 5786	
HASTELLOY® X	N06002	ERNiCrMo-2	AMS 5798	
HASTELLOY® X-750	N07069	ERNiCrFe-8	AMS5778	
HAYNES® 25	R30605		AMS 5796	
HAYNES® 82	N06082	ERNiCr-3	AMS 5836	
HAYNES® 188	R30188		AMS 5801	
HAYNES® 214® (Structural)	N07214			Structural Grade
HAYNES® 214-W® (Weld Grade)				Weld Grade
HAYNES® 230-W®	N06231	ERNiCrWMo-1	AMS 5839	
HAYNES® 242®	N10242	ERNiMo-12		
HAYNES® 263	N07263		AMS 5966	
HAYNES® 282®	N07208			PS-6076
HAYNES® 556®	R30556	ER3556	AMS 5831	
HAYNES® 600	N06600		AMS 5687	ASTM B166
HAYNES® 617	N06617	ERNiCrCoMo-1		
HAYNES® 625	N06625	ERNiCrMo-3	AMS 5837	
HAYNES® 718	N07718	ERNiFeCr-2	AMS 5832	
HAYNES® HR-120®	N08120			
HAYNES® HR-160®	N12160	ERNiCoCrSi-1		PS-6078
MULTIMET®	R30155		AMS 5794	
HAYNES® Waspaloy	N07001		AMS 5828	

## Coated Electrodes

## Specifications

Alloy	UNS	AWS/ASME	AMS	Other
HASTELLOY® B-3®		W80675	ENiMo-10	
HASTELLOY® C-4		W86455	ENiCrMo-7	
HASTELLOY® C-22®/122	W86022	ENiCrMo-10		
HASTELLOY® C-276		W80276	ENiCrMo-4	
HASTELLOY® C-2000®	W86200	ENiCrMo-17		
HASTELLOY® G-30®		W86030	ENiCrMo-11	
HASTELLOY® G-35®		W86035	ENiCrMo-22	
HASTELLOY® X	W86002	ENiCrMo-2		
HAYNES® 112	W86112	ENiCrMo-3		625 Core
HAYNES® 117	W86117	ENiCrCoMo-1		617 Core
HAYNES® 122	W86022	ENiCrMo-10		
HAYNES® 182	W86182	ENiCrFe-3		
HAYNES® 230-W®		W86231	ENiCrWMo-1	
MULTIMET®	W73155	E3155	AMS 5795	
ULTIMET®	R31233			

Approved for  
GE Aviation S-1000

Approved for  
Pratt & Whitney LCS

Approved for  
Rolls Royce RR9000: SABRE

## Standard Sizes

### Welding Consumables

Loose Coil* Diameters	
in.	mm.
0.030	0.76
0.031	0.80
0.035	0.89
0.039	1.00
0.045	1.10
0.047	1.20
0.062	1.60
0.078	2.00
0.093	2.40
0.125	3.20
0.156	4.00
0.187	4.70

Precision Layer Wound RTW™ Wire Diameters	
in.	mm.
0.030	0.76
0.031	0.79
0.035	0.89
0.039	1.00
0.045	1.10
0.047	1.20
0.062	1.60
0.078	2.00
0.093	2.40

Cut Lengths (GTAW)* Diameters	
in.	mm.
0.030	0.76
0.031	0.79
0.035	0.89
0.039	1.00
0.045	1.10
0.047	1.20
0.062	1.60
0.078	2.00
0.093	2.40
0.125	3.20
0.156	4.00
0.187	4.70

Drum Packs Diameters	
in.	mm.
0.045	1.10
0.062	1.60
0.125	3.20

Coated Electrodes Diameters	
in.	mm.
0.093	2.40
0.125	3.20
0.156	4.00
0.187	4.70

### Wire Rod

Wire Rod for Redraw	
in.	mm.
0.218	5.50
0.250	6.40
0.256	6.50
0.275	7.00

HRAP  
(Hot Rolled,  
Annealed & Pickled)

\*Other sizes available upon request



The GIMAX Precision Winder produces high-quality layer wound welding spools.

Thermal Spray Alloys		Specifications	
Alloy	UNS	AWS/ASME	AMS
HAYNES® 20CB3	N08021	ER320/320LR	
HAYNES® 72	N06072	ERNiCr-4	
HAYNES® 80/20	N06003		ASTM B344
HAYNES® 95/5	N03301		
HAYNES® 200	N02200	ERNi-C1, UNS N02215	ASTM B160
HAYNES® 316L	S31603		ASTM A518
HAYNES® 420	S42000	ER420	
HAYNES® 625	N06625	ERNiCrMo-3	AMS 5837
HAYNES® C-276	N10276	ERNiCrMo-4	



Wire is available in loose coil form in standard diameters. Please contact the Sales Department for non-standard requests.

All trademarks are owned by Haynes International, Inc.

#### What is the RTW™ finish?

- The RTW™ finish is a proprietary surface finish engineered to offer more weld time and less maintenance time.
- RTW™ welding wire offers smooth feeding through welding machines, guns, and torches. The result is fewer arc outages, less downtime for tip/liner replacements, and reduced tip wear.
- Due to the extremely clean finish of RTW™ wire, less time is spent brushing or grinding.

The RTW™ finish is standard on all precision layer wound wire.

#### Photos of Welding Wire Magnified



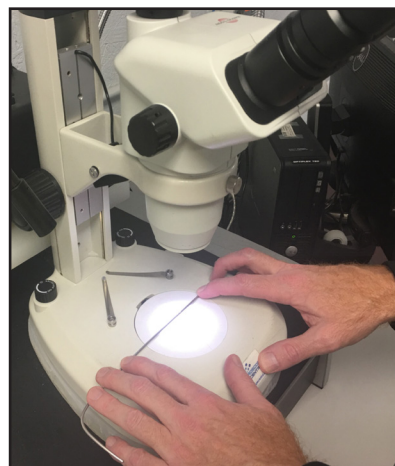
Haynes Wire Products  
RTW™ welding wire



Typical welding wire



All products are alloy verified prior to shipment.



Rigorous quality testing is built into every product.

## HAYNES International

Need help deciding which Haynes Wire Product to use? Our on-line Welding SmartGuide helps with filler metal selections for various combinations of base materials. For your local sales office or service center, please call or visit our website.

**Haynes Wire Products**  
Toll Free: 1-800-354-0806 or 765-456-6012  
Fax: 765-456-6079