

# HAYNES International



Haynes International is a full-service manufacturer of high-performance nickel 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**  
Phone: 1-800-354-0806  
or 765-456-6012

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**KENBLATT WELD INSTRUCTION**  
Available Upon Request

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-22HS®	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		ASTM B574
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			ASTM B815

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	
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			
HAYNES® 282®	N07208			
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® 263	N07263		AMS 5966	
HAYNES® HR-120®	N08120			ASTM B408
HAYNES® HR-160®	N12160	ERNiCoCrSi-1		
HAYNES® Waspaloy	N07001		AMS 5828	
HAYNES® X-750	N07069	ERNiCrFe-8	AMS 5778	
MULTIMET®	R30155		AMS 5794	

Coated Electrodes*		Specifications		
Alloy	UNS	AWS/ASME	AMS	Other
HASTELLOY® B-3®	W80675	ENiMo-10		
HASTELLOY® C-276	W80276	ENiCrMo-4		
HASTELLOY® C-4	W86455	ENiCrMo-7		
HASTELLOY® C-2000®	W86200	ENiCrMo-17		ASME Code Case 2338
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® C-22®/122	W86022	ENiCrMo-10		
HAYNES® 182	W86182	ENiCrFe-3		
HAYNES® 230-W®	W86231	ENiCrWMo-1		
MULTIMET®	W73155	E3155	AMS 5795	
ULTIMET®	R31233			

\*Other alloys available upon request

**ISO9001  
CERTIFIED**

**AS:9100  
CERTIFIED**

**Approved for  
Pratt & Whitney LCS**

**Approved for  
Rolls Royce RR9000: SABRE**



## Standard Sizes

### Welding Consumables

### Wire Rod

#### 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

#### 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

#### Coated Electrodes Diameters

in.	mm.
0.093	2.40
0.125	3.20
0.156	4.00
0.187	4.70

#### 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 BIMA Precision Winder produces high-quality layer wound welding spools.

### Spray Alloys

### Specifications

Alloy	UNS	AWS/ASME	AMS
HAYNES® 200	N02200	ERNI-CI N02215	ASTM B160
HAYNES® 20CB3	N08021	ER320/320LR	
HAYNES® 420	S42000	ER420	
HAYNES® 202	S20200	W-FeCrNi-3 UNS S20281	
HAYNES® 316L	S31603		
HAYNES® 95/5	N03301		
HAYNES® 72	N06072	ERNiCr-4	
HAYNES® 625	N00625	ERNiCrMo-3	AMS 5837
HAYNES® C-276	N10276	ERNiCrMo-4	
HAYNES® 80/20	N06003		ASTM B344

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

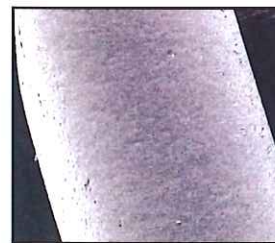
### What is the RTW™ finish?

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 with no external lubrication, 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



A competitor's welding wire



GTAW wire is precision cut and alloy verified prior to shipment.



Rigorous positive material identification checks are 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.

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