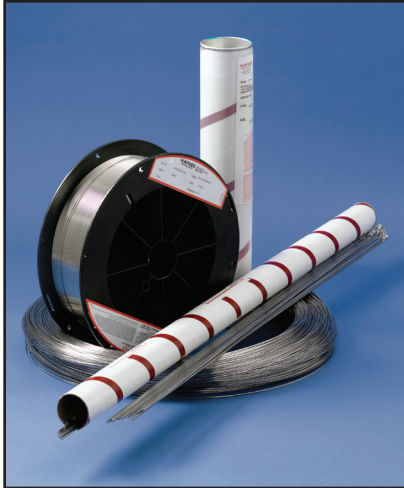


HAYNES International



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.



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Approved for
GE Aviation S-1000

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Pratt & Whitney LCS

Approved for
Rolls Royce RR9000: SABRE

Corrosion-resistant Alloys*

Specifications

Alloy	UNS	AWS/ASME Classification	AMS	Other
HASTELLOY® B-3®	N10675	SFA / A 5.14 (ERNiMo-10)		
HASTELLOY® C-4	N06455	SFA / A 5.14 (ERNiCrMo-7)		
HASTELLOY® C-22®/622	N06022	SFA / A 5.14 (ERNiCrMo-10)		
HASTELLOY® C-22® HS	N07022			
HASTELLOY® C-86	N06686	SFA / A 5.14 (ERNiCrMo-14)		ASTM B574
HASTELLOY® C-276	N10276	SFA / A 5.14 (ERNiCrMo-4)		
HASTELLOY® C-2000®	N06200	SFA / A 5.14 (ERNiCrMo-17)		
HASTELLOY® G-30®	N06030	SFA / A 5.14 (ERNiCrMo-11)		
HASTELLOY® G-35®	N06035	SFA / A 5.14 (ERNiCrMo-22)		ASTM B574
HASTELLOY® HYBRID-BC1®	N10362	A 5.14 (ERNiMoCr-1)		
HAYNES® 200	N02215	SFA / A 5.15 (ERNi-CI)		
HAYNES® M400	N04400		AMS 4730	QQ-N-281
HAYNES® M413	C71580	SFA / A 5.7 (ERCuNi)		
HAYNES® M418	N04060	SFA / A 5.14 (ERNiCu-7)		
HAYNES® N61	N02061	SFA / A 5.14 (ERNi-1)		
ULTIMET®	R31233			ASTM B815

High-temperature Alloys*

Specifications

Alloy	UNS	AWS/ASME Classification	AMS	Other
HASTELLOY® S	N06635		AMS 5838	
HASTELLOY® W	N10004	SFA / A 5.14 (ERNiMo-3)	AMS 5786	
HASTELLOY® X	N06002	SFA / A 5.14 (ERNiCrMo-2)	AMS 5798	
HASTELLOY® X-750	N07069	SFA / A 5.14 (ERNiCrFe-8)	AMS5778	
HAYNES® 25	R30605		AMS 5796	
HAYNES® 82	N06082	SFA / A 5.14 (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	SFA / A 5.14 (ERNiCrWMo-1)	AMS 5839	
HAYNES® 242®	N10242	SFA / A 5.14 (ERNiMo-12)		
HAYNES® 263	N07263		AMS 5966	
HAYNES® 282®	N07208	SFA / A 5.14 (ERNiCrCoMo-2)		
HAYNES® 556®	R30556	SFA / A 5.9 (ER3556)	AMS 5831	
HAYNES® 600	N06600		AMS 5687	ASTM B166
HAYNES® 617	N06617	SFA / A 5.14 (ERNiCrCoMo-1)		
HAYNES® 625	N06625	SFA / A 5.14 (ERNiCrMo-3)	AMS 5837	
HAYNES® 718	N07718	SFA / A 5.14 (ERNiFeCr-2)	AMS 5832	
HAYNES® HR-120®	N08120			ASTM B408
HAYNES® HR-160®	N12160	SFA / A 5.14 (ERNiCoCrSi-1)		
MULTIMET®	R30155		AMS 5794	
HAYNES® Waspaloy	N07001		AMS 5828	

Coated Electrodes*

Specifications

Alloy	UNS	AWS/ASME Classification	AMS	Other
HASTELLOY® B-3®	W80675	SFA / A 5.11 (ENiMo-10)		
HASTELLOY® C-4	W86455	SFA / A 5.11 (ENiCrMo-7)		
HASTELLOY® C-22® /122	W86022	SFA / A 5.11 (ENiCrMo-10)		
HASTELLOY® C-276	W80276	SFA / A 5.11 (ENiCrMo-4)		
HASTELLOY® C-2000®	W86200	SFA / A 5.11 (ENiCrMo-17)		
HASTELLOY® G-30®	W86030	SFA / A 5.11 (ENiCrMo-11)		
HASTELLOY® G-35®	W86035	SFA / A 5.11 (ENiCrMo-22)		
HASTELLOY® HYBRID-BC1®	N10362	A 5.11(ENiMoCr-1)		
HASTELLOY® X	W86002	SFA / A 5.11 (ENiCrMo-2)		
HAYNES® 112	W86112	SFA / A 5.11 (ENiCrMo-3)		625 Core
HAYNES® 117	W86117	SFA / A 5.11 (ENiCrCoMo-1)		617 Core
HAYNES® 122	W86022	SFA / 5.11 (ENiCrMo-10)		
HAYNES® 182	W86182	SFA / A 5.11 (ENiCrFe-3)		
HAYNES® 230-W®	W86231	SFA / A 5.11 (ENiCrWMo-1)		
MULTIMET®	W73155	SFA / A 5.4 (E3155)	AMS 5795	
ULTIMET®	R31233			

*Other alloys and sizes available upon request.

Standard Sizes*

Welding Consumables

Loose Coil Diameters		Precision Layer Wound RTW™ Wire Diameters		Cut Lengths (GTAW) Diameters		Drum Packs Diameters		Coated Electrodes Diameters	
in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.
0.030	0.76	0.030	0.76	0.030	0.76	0.045	1.10	0.093	2.40
0.031	0.80	0.031	0.79	0.031	0.79	0.062	1.60	0.125	3.20
0.035	0.89	0.035	0.89	0.035	0.89	0.125	3.20	0.156	4.00
0.039	1.00	0.039	1.00	0.039	1.00			0.187	4.70
0.045	1.10	0.045	1.10	0.045	1.10				
0.047	1.20	0.047	1.20	0.047	1.20				
0.062	1.60	0.062	1.60	0.062	1.60				
0.078	2.00	0.078	2.00	0.078	2.00				
0.093	2.40	0.093	2.40	0.093	2.40				
0.125	3.20	0.125	3.20	0.125	3.20				
0.156	4.00			0.156	4.00				
	4.70			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)	

Small Bar

Coil and Cut Length Diameters	
in.	mm.
0.187	4.70
0.250	6.40
0.312	7.90
0.375	9.50
0.500	12.70
0.625	15.90
0.750	19.00
(As Cold Drawn, Solution Heat-treated, or Solution Heat-treated & Ground)	

*Other sizes available upon request

Small Bar Alloys*		Specifications	
Alloy	UNS	ASME/ASTM	AMS
HAYNES® 25	R30605		AMS 5759
HAYNES® 214®	N07214		
HAYNES® 230®	N06230	SB 572/B 572	AMS 5891
HAYNES® 242®	N10242	SB 573/B 573	
HAYNES® 282®	N07208		AMS 5915
HAYNES® 625	N06625	SB 446/B 446	AMS 5666
HAYNES® 718	N07718		AMS 5662 AMS 5962
HAYNES® HR-120®	N08120	SB 408/B 408	
HAYNES® HR-160®	N12160	SB 572/B 572	
HAYNES® M400	N04400	SB 164/B 164	
HASTELLOY® B-3®	N10675	SB 335/B 335	
HASTELLOY® C-22®/622	N06022	SB 574/B 574	
HASTELLOY® C-276	N10276	SB 574/B 574	

*Other alloys available upon request.

Thermal Spray Alloys*		Specifications	
Alloy	UNS	AWS/ASME Classification	AMS/ASME/ASTM
HAYNES® 20CB3	N08021	SFA / A 5.9 (ER320/320LR)	
HAYNES® 72	N06072	SFA / A 5.14 (ERNiCr-4)	
HAYNES® 80/20	N06003		ASTM B344
HAYNES® 95/5	N03301		
HAYNES® 200	N02200	SFA / A 5.14 (ERNi-C1), UNS N02215	ASTM B160
HAYNES® 316L	S31603		ASTM A518
HAYNES® 420	S42000	SFA / A 5.9 (ER420)	
HAYNES® 625	N06625	SFA / A 5.14 (ERNiCrMo-3)	AMS 5837
HASTELLOY® C-276	N10276	SFA / A 5.14 (ERNiCrMo-4)	

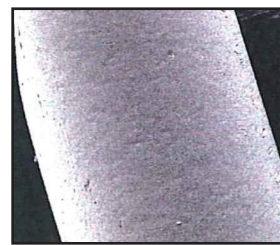
*Other alloys available upon request.

What is the RTW™ finish?

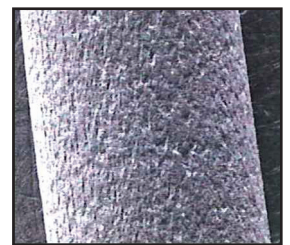
- The RTW™ finish is a proprietary surface finish engineered to offer more weld time and less maintenance time.
- RTW™ welding wire offers smooth feeding through welding machines, guns, and torches. The result is fewer arc outages, less downtime for tip/liner replacements, and reduced tip wear.
- Due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

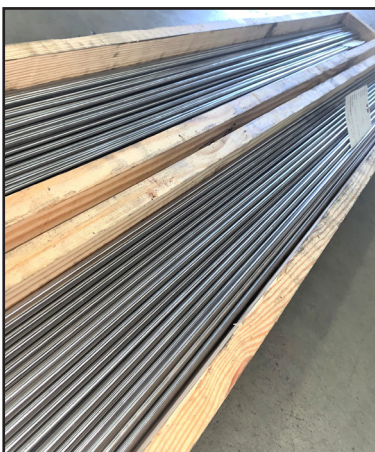
Photos of Welding Wire Magnified



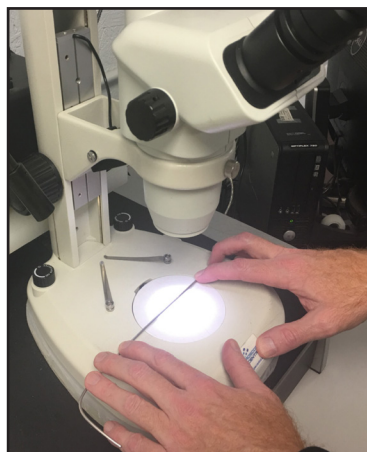
Haynes Wire Products
bright finish wire



Haynes Wire Products
matte finish 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,
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