

Wire Products Brochure

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.



Corrosion-Resistant Alloys

Alloy	UNS	Specifications		
		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	-	-
HASTELLOY® G-30®	N06030	ERNiCrMo-11	-	-
HASTELLOY® G-35®	N06035	ERNiCrMo-22	-	ASTM B574
HASTELLOY® HYBRID-BC1®	N10362	ENiMoCr-1	-	-
HAYNES® 200	N02215	ERNi-CI	-	-
HAYNES® M400	N04400	-	AMS 4730	QQ-N-281
HAYNES® M413 RTW™	C71580	ERCuNi	-	-
HAYNES® M418 RTW™	N04060	ERNiCu-7	-	-
HAYNES® N-61 RTW™	N02061	ERNi-1	-	-
HAYNES® ULTIMET®	R31233	-	-	ASTM B815

*Other alloys upon request
For individual filler metal data sheets, please click on the alloy.

High-Temperature Alloys

Alloy	UNS	Specifications		
		AWS/ASME	AMS	Other
HASTELLOY® S	N06635	-	AMS 5838	-
HASTELLOY® W	N10004	ERNiMo-3	AMS 5786	-
HASTELLOY® X	N06002	ERNiCrMo-2	AMS 5798	-
HAYNES® X-750	N07069	ERNiCrFe-8	AMS 5778	-

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/C-263	N07263	-	AMS 5966	-
HAYNES [®] 282 [®]	N07208	ERNiCrCoMo-2	-	-
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	-	-	ASTM B408
HAYNES [®] HR-160 [®]	N12160	ERNiCoCrSi-1	-	-
MULTIMET [®]	R30155	-	AMS 5794	-
HAYNES [®] Waspaloy	N07001	-	AMS 5828	-
*Other alloys upon request For individual filler metal data sheets, please click on the alloy.				

Coated Electrodes

Coated Electrodes*		Specifications		
Alloy	UNS	AWS/ASME	AMS	Other
HASTELLOY [®] B-3 [®]	W80675	ENiMo-10	-	-
HASTELLOY [®] C-4	W86455	ENiCrMo-7	-	-
HAYNES [®] 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 [®] HYBRID-BC1 [®]	N10362	ERNiMoCr-1	-	-
HASTELLOY [®] X	W86002	ENiCrMo-2	-	-
HAYNES [®] 112	W86112	ENiCrMo-3	-	625 Core
HAYNES [®] 117	W86117	ENiCrCoMo-1	-	617 Core
HAYNES [®] 182	W86182	ENiCrFe-3	-	-
HAYNES [®] 230-W	W86231	ENiCrWMo-1	-	-
MULTIMET [®]	W73155	E3155	AMS 5795	-
ULTIMET [®]	R31233	-	-	-
*Other alloys available upon request For individual coated electrode data sheets, please click on the alloy.				

Certifications and Approvals

- ISO9001 CERTIFIED
- AS:9100 CERTIFIED
- Approved for GE Aviation S-1000

- Approved for Pratt & Whitney LCS
- Approved for Rolls Royce RR9000: SABRE

Welding Consumables										Wire Rod			
Loose Coil* Diameters		Precision Layer Wound RTW™ Wire Diameters		Cut Lengths (GTAW)* Diameters		Drum Packs Diameters		Coated Electrodes Diameters		Wire Rod for Redraw* (HRAP)			
in	mm	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	0.218	5.50		
0.031	0.80	0.031	0.79	0.031	0.79	0.062	1.60	0.125	3.20	0.250	6.40		
0.035	0.89	0.034	0.89	0.035	0.89	0.125	3.20	0.156	4.00	0.256	6.50		
0.039	1.00	0.039	1.00	0.039	1.00			0.187	4.70	0.275	7.00		
0.045	1.10	0.045	1.10	0.045	1.10								
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								
0.156	4.00			0.156	4.00								
0.187	4.70			0.187	4.70								
										HRAP (Hot Rolled, Annealed and Pickled)			

*Other sizes available upon request

() Hot Rolled, Annealed and Pickled



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



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

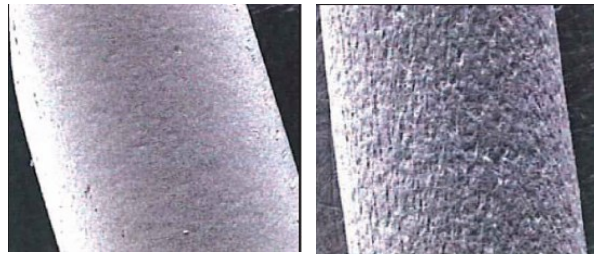
Thermal Spray Alloys

Alloy	UNS	Specifications	
		AWS/ASME	AMS
HAYNES® 20CB-3	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 A580
HAYNES® 420	S42000	ER420	-
HAYNES® 625	N00625	ERNiCrMo-3	AMS 5837
HAYNES® C-276	N10276	ERNiCrMo-4	-

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



GTAW wire is precision cut and alloy verified prior to shipment



Rigorous positive material identifications 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 our local sales office or service center, please call or visit our website.

Haynes Wire Products

Phone: 1-800-354-0806 or 765-456-6012

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