

ELGILOY

SPECIALTY METALS | WIRE

Providing Wire, Foil, and Strip Products

Elgiloy Specialty Metals manufactures high-quality round and shaped wire, as well as straightened and cut lengths in over 75 high performance alloys for mission critical applications.

Flexible custom processing, extensive raw material stock and in-house testing allows us to offer high performance specialty metals from just a few pounds to truckload quantities with short, reliable lead times. Elgiloy's team of metallurgical and process engineers can assist in prototype development, stocking programs, and the conversion of customer-supplied material to ensure precise processing and customer specification requirements.

We operate AS9100:2016, ISO 9001:2015, and A2LA/ISO 17025 certified facilities, providing testing that is fully compliant with Nadcap standards for heat treatment and material testing, as well as NRC certifications.

Wire Capabilities

	Size Range IN	Size Range MM	Temper
Soap Drawn Wire	0.018" - 0.875"	0.46 - 22.00 mm	
Oil Drawn Wire	0.001" - 0.050"	0.025 - 1.27 mm	
Straightening & Cutting	0.120" - 0.625" 0.120" - 0.562"	3.20 - 16.0 mm 3.20 - 14.30 mm	Annealed Spring Temper
Centerless Grinding	0.050" - 1.0"	1.27 - 25.40 mm	
Rotary Shaving & Polishing	0.20" - 0.75"	5.00 - 19.05 mm	
Square Wire	0.015" Sq. - 0.25" Sq.	0.38 - 6.35 mm	
Rectangular Wire	0.010" x 0.020" To 0.15" x 0.30"	0.254 mm x 0.50 mm To 3.80 mm x 7.60 mm	
Flat Wire	0.005" x 0.015" To 0.15" x 0.45"	0.127 mm x 0.38 mm To 3.80 mm x 11.50 mm	

Forms: Coils, Spools, Reels, Straight Lengths

Coatings: Soap, Grease, Special Lubricants

If your requirements are not shown above, please contact us.

Quality

Wire Accreditations

- » AS9100D/ISO 9001:2015
- » ISO/IEC 17025:2017

Approvals

- » Pratt & Whitney
- » Mitsubishi
- » BAE Systems
- » Nuclear 10 CFR 50 & 10 CFR 21

Laboratory Accreditations

- » Hampshire Lab - Nadcap
Materials Testing

Technical Support

- » Metallurgical investigation
and application assistance for
material recommendations



We provide highly engineered specialty metals to thousands of mission critical applications in:



Aerospace



Chemical
Processing



Defense



Marine



Medical



Oil & Gas



Power Generation
including nuclear



ALL CALLS & INQUIRIES
P: 888.843.2350 | F: 815.899.0183
ELGILOY.COM

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learn more!



LOCATED AT: 356 NORTH CROSS STREET, SYCAMORE, IL 60178

ALLOYS	NOMINAL COMPOSITION						
	UNS	Ni	Co	Cr	Mo	Fe	Other
ELGILOY®	R30003	15	40	20	7	Bal.	
MP35N® 5	R30035	35	35	20	10	1.0 +	
INCONEL® X-750 6	N07750	70*	1	15.5	-	7	Al 0.7, Ti 2.5
INCOLOY® 25-6MO 6	N08926	25		20	6.5	Bal.	Cu 1.0, N 0.2
INCOLOY® Alloy A286 6	S66286	25.5		15	1.25	Bal.	Ti 2.0, V 0.3
AL- 6XN® 2	N08367	24.5		21	6.5	Bal.	N 0.18 - 0.25
ALLOY 20 (20Cb3®) 3	N08020	35		20	2.5	Bal.	Cu 3.5, Cb(Nb) 8xC - 1.0
HASTELLOY® B3® 4	N10675	65*	3.0 +	1.5	28.5	1.5	W 3.0 +
HASTELLOY® C2000® 4	N06200	59	2.0 +	23	16	3+	Cu 1.6
HASTELLOY® C22® 4	N06022	56	2.5 +	22	13	3	W 3.0
HASTELLOY® C276 4	N10276	57	2.5 +	16	16	5	V 0.35
HASTELLOY® C4 4	N06455	65	2.0 +	16	15.5	3 +	
HASTELLOY® X 4	N06002	47	1.5	22	9	18	W 0.6
HAYNES® 188 4	R30188	22	39	22	-	3.0 +	W 14, La 0.03
HAYNES® 214 ® 4	N07214	75	-	16	-	3	Al 4.5
HAYNES® 230 ® 4	N06230	57	5.0 +	22	2		W 14
HAYNES® 242 ® 4	N10242	65	2.5 +	8	25	2.0 +	
HAYNES® 263 4	N07263	52	20	20	6	0.7 +	Al 0.6, + Ti 2.4 +
HAYNES® 282 ® 4	N07208	57	10	20	8.5	1.5 +	Al 1.5, Ti 2.1
L605 (HAYNES® 25) 4	R30605	10	51	20	-	3.0 +	W 15
INCOLOY® Alloy 825 6	N08825	42	-	21.5	3	22*	Cu 2.2
INCOLOY® Alloy 925 6	N09925	44	-	21	3	22*	Cu 2.2, Ti 2.1, Al 0.3
INCONEL® Alloy 600 6	N06600	72*	-	15.5	-	8	
INCONEL® Alloy 601 6	N06601	58*	-	23	-	Bal	Al 1.4
INCONEL® Alloy 625 6	N06625	58	1	21.5	9	5.0 +	
INCONEL® Alloy 718 6	N07718	52	1	19	3	Bal	Nb 5.1, Al 0.6, Ti 0.9
MONEL® 400 6	N04400	63*	-	-	-	2.5 +	Cu 28 - 34, C 0.3 +
MONEL® K-500 6	N05500	63*	-	-	-	2.0 +	Cu 27-33, Al 2.7, Ti 0.6
NI-SPAN® C Alloy 902 6	N09902	42	-	5.25	-	Bal.	Ti 2.5, Al 0.5
NIMONIC® Alloy 90 6	N07090	53	18	19.5	-	1.5	Ti 2.5, Al 1.5
NITRONIC® 32 Alloy (XM - 28) 1	S24100	1.5		18	-	Bal.	N 0.2 – 0.45
NITRONIC® 50 Alloy (XM - 19) 1	S20910	12.5		22	2.25	Bal.	N 0.3, V 0.2
RENE® 41	N07041	58	11	19	10	5.0 +	Ti 3.1, Al 1.5
HAYNES® WASPALOY 4	N07001	58	13.5	19	4.3	2.0 +	Ti 3.0, Al 1.5
Stainless Steel 17 - 7 PH® 1	S17700	7		17	-	Bal.	Al 1.1
Stainless Steel 316	S31600	12	-	17	2.5	Bal.	C 0.08 +
Stainless Steel 316L	S31603	12	-	17	2.5	Bal.	C0.03 +
Stainless Steel 321	S32100	10.5	-	18		Bal.	Ti 5xC *
Stainless Steel 347	S34700	11		18		Bal.	Cb 10xC*

* Indicates Minimum, + Indicates Maximum.

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Other Registered Trademarks include: 1 - AK Steel Cleveland Cliffs, 2 - Allegheny Technologies Inc.,
3 - Carpenter Technology, 4 - Haynes International, 5 - SPS Technologies, 6 - Special Metals.

If the alloy required is not listed above, please contact us.