



CORROSION MATERIALS

Worldwide Corrosion Resistant Alloy Specialists



CORROSION RESISTANT ALLOYS

BAR | SHEET | COIL | PLATE | TUBE | PIPE | FITTINGS | FLANGES | FASTENERS | CUSTOM FORGINGS | WELDING PRODUCTS



ALLOYS

Corrosion Materials is a global distributor and manufacturer of corrosion resistant alloy products. We have been supplying corrosion resistant alloys for more than 60 years and have developed the resources, skills and inventory to satisfy the demanding needs of a multitude of markets.

ALLOY C-276

UNS N10276
W.NR. 2.4819

CHEMICAL COMPOSITION (%)

Ni	Remainder	Mn	1.0 max
Mo	15.0-17.0	V	0.35 max
Cr	14.5-16.5	Si	0.08 max
Fe	4.0-7.0	P	0.04 max
W	3.0-4.5	S	0.03 max
Co	2.5 max	C	0.01 max

ALLOY 22

UNS N06022
W.NR. 2.4602

Ni	Remainder	Mn	0.50 max
Cr	20.0-22.5	V	0.35 max
Mo	12.5-14.5	Si	0.08 max
W	2.5-3.5	P	0.02 max
Co	2.5 max	S	0.02 max
Fe	2.0-6.0	C	0.015 max

ALLOY B-2

UNS N10665
W.NR. 2.4617

Ni	Remainder	Mn	1.0 max
Mo	26.0-30.0	Si	0.10 max
Fe	2.0 max	P	0.04 max
Cr	1.0 max	S	0.03 max
Co	1.0 max	C	0.02 max

ALLOY B-3®

UNS N10675
W.NR. 2.4600

Ni	65.0 min	Ta	0.20 max
Mo	27.0-32.0	Cu	0.20 max
Co	3.0 max	Nb	0.20 max
Mn	3.0 max	V	0.20 max
W	3.0 max	Si	0.10 max
Cr	1.0-3.0	Zr	0.10 max
Fe	1.0-3.0	P	0.03 max
Al	0.50 max	C	0.01 max
Ti	0.20 max	S	0.01 max

NICKEL 200/201

UNS N02200 & N02201
W.NR. 2.4060/2.4066 & 2.4061/2.4068

Ni	99.0 min	Cu	0.25 max
Fe	0.40 max	C	0.02 max
Mn	0.35 max	S	0.01 max
Si	0.35 max		

ALLOY 400

UNS N04400
W.NR. 2.4360 & 2.4361

Ni	63.0-70.0	Si	0.50 max
Cu	Remainder	Al	0.50 max
Fe	2.5 max	C	0.30 max
Mn	2.0 max	S	0.015 max

ALLOY 405

UNS N04405
W.NR. 2.4363

Ni	63.0 min	Si	0.50 max
Cu	28.0-34.0	C	0.3 max
Fe	2.5 max	S	0.025-0.060
Mn	2.0 max		

ALLOY K500

UNS N05500
W.NR. 2.4375

Ni	63.0-70.0	C	0.18 max
Cu	Remainder	P	0.02 max
Al	2.30-3.15	Zn	0.02 max
Fe	2.0 max	Pb	0.006 max
Mn	1.5 max	S	0.006 max
Si	0.50 max	Sn	0.006 max
Ti	0.35-0.85		

ALLOY 625 GRADE1

UNS N06625
W.NR. 2.4856

CHEMICAL COMPOSITION (%)

Ni	58.0 min	Si	0.50 max
Cr	20.0-23.0	Al	0.40 max
Mo	8.0-10.0	Ti	0.40 max
Fe	5.0 max	C	0.10 max
Nb + Ta	3.15-4.15	P	0.015 max
Co	1.0 max	S	0.015 max
Mn	0.50 max		

ALLOY 600

UNS N06600
W.NR. 2.4816

Ni + Co	72.0 min	Si	0.50 max
Cr	14.0-17.0	Cu	0.50 max
Fe	6.0-10.0	C	0.15 max
Mn	1.0 max	S	0.015 max

ALLOY 800H/ 800HT®

UNS N08810 & N08811
W.NR. 1.4958 & W.NR. 1.4959

Fe	39.5 min	Al	0.15-0.60
Ni	30.0-35.0	Ti	0.15-0.60
Cr	19.0-23.0	C	0.06-0.10
Mn	1.5 max	P	0.045 max
Si	1.0 max	S	0.015 max
Cu	0.75 max	Al + Ti	0.85-1.20

ALLOY 20

UNS N08020
W.NR. 2.4660

Fe	Remainder	Nb + Ta	(8 x C) to 1.00
Ni	32.0-38.0	Si	1.0 max
Cr	19.0-21.0	C	0.07 max
Cu	3.0-4.0	P	0.045 max
Mo	2.0-3.0	S	0.035 max
Mn	2.0 max		

ALLOY F255

UNS S32550
W.NR. 1.4507

Fe	Remainder	Si	1.0 max
Cr	24.0-27.0	N	0.10-0.25
Ni	4.50-6.50	P	0.04 max
Mo	2.9-3.9	C	0.04 max
Cu	1.5-2.5	S	0.03 max
Mn	1.5 max		

ALLOY 6B

UNS R30016

Co	Remainder	Mn	0.5-2.0
Cr	28.0-32.0	Si	0.2-2.0
W	3.5-5.5	C	0.9-1.4
Fe	3.0 max	P	0.04 max
Ni	3.0 max	S	0.03 max
Mo	1.5 max		

TITANIUM GRADE 2

UNS R50400
W.NR. 3.7034 & 3.703500

Ti	Remainder	C	0.08 max
Fe	0.30 max	N	0.03 max
O	0.25 max	H	0.015 max

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Hastelloy B-3® is a registered trademark of Haynes International, Inc.

Technical information, invoices and material test reports are available online at:
corrosionmaterials.com/alloys

PROCESSING CAPABILITIES

Corrosion Materials has been supplying corrosion resistant alloys since 1963 and has developed the resources, skills and inventory to satisfy our customers' demanding needs. Our main service center is located in Baker, Louisiana. Additional service centers are located in Houston, Texas and Auburn, Massachusetts. Sales offices are located in Bolingbrook, IL and Shanghai, China.

Our in-house machine shop and processing departments are equipped with state-of-the-art manufacturing equipment, allowing Corrosion Materials the ability to provide the service you desire along with the economic and technical advantages you need and deserve.

BAND SAWING

ABRASIVE SAWING

HI-DEF PLASMA/BEVELING

WATERJET CUTTING

LASER CUTTING

SHEARING

MACHINING

WELDING

HEAT TREATING

MATERIAL TESTING

QUALITY CERTIFICATION

- ISO 9001:2015

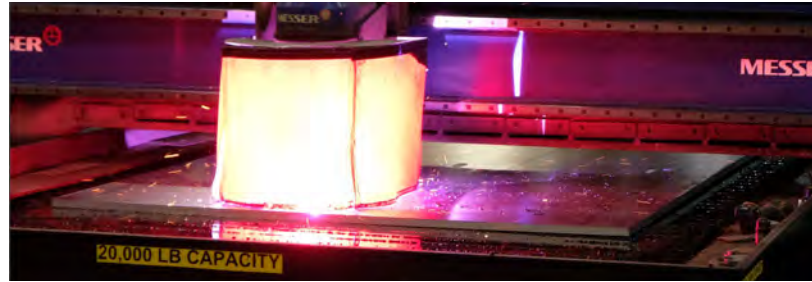
INVENTORY

- "Mill Quantity" Stock Levels

CUSTOMER SERVICE

- In addition to our full service Sales Staff, we offer online quoting and documents available via www.corrosionmaterials.com
- 24-Hour Emergency Service
- Technical Support

Learn more at corrosionmaterials.com/processing



FORMS

We stock a complete range of bar, sheet, coil, plate, tubing, pipe, fittings, flanges, fasteners, custom forgings, and welding products in a variety of corrosion resistant alloys to meet the requirements of your most critical projects.



BAR



SHEET



COIL



PLATE



TUBING



PIPE



FITTINGS



FLANGES



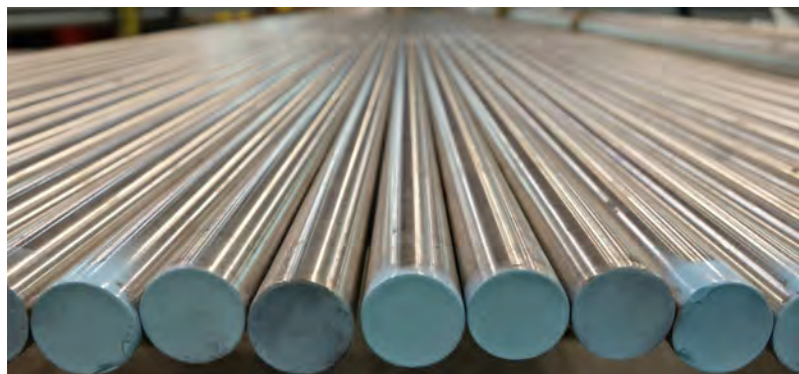
FASTENERS



CUSTOM FORGINGS



WELDING PRODUCTS



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**CORROSION
MATERIALS**

ISO 9001:2015 CERTIFIED
CERTIFIED TO THE ISO 9001 STANDARD SINCE 1993

24 HOUR EMERGENCY SERVICE NUMBER
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