

# AM Alliant Metals, Inc.

"While Others Promise... We Deliver!"  
 134B Route 111 • Hampstead, NH 03841

**800-543-1453**  
**Fax 603-329-4317**  
[www.alliantmetals.com](http://www.alliantmetals.com)

For your convenience we accept:

Master Card



Visa



Am Ex



## STAINLESS

**2% 10, Net 30**  
**Upon Credit Approval**

GRADES	Round	Square	Hex	Flat	Plate	Sheet	Angle
303	•	•	•	•	•		
304	•	•	•	•	•	•	•
304L	•	•	•	•	•	•	•
316	•	•	•	•	•	•	•
316L	•	•	•	•	•	•	•
321	•	•	•	•	•	•	
347	•	•	•	•	•	•	
410	•	•	•	•	•	•	
416	•	•	•	•	•		
420	•	•	•	•	•		
440C	•	•	•	•	•		
15-5PH	•	•	•	•	•		
17-4PH	•	•	•	•	•	•	
NIT 60	•				•		

- No Minimum Order
- Same Day UPS
- Original Test Reports
- Machining Services Available

- In House Production Saw Cutting (all parts deburred)
- In House Water Jet Cutting
- In House Plasma Cutting
- In House Polishing

### Other Items Readily Available

- Additional Stainless Grades
- Alloy Steel
- Aluminum
- Hastelloy
- Inconel
- Invar
- Kovar
- Magnesium
- Molybdenum
- Monel
- MU-Metal
- Nickel
- Tantalum
- Titanium
- Tungsten

## IN HOUSE PRODUCTION SAW CUTTING

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## MACHINABILITY RATING CHART

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STAINLESS											
GRADE	HARDNESS BHN	CUT DEPTH	TOOLING HI-SPEED lpm	CARBIDE lpm	PERCENT OF C-1215	GRADE	HARDNESS BHN	CUT DEPTH	TOOLING HI-SPEED lpm	CARBIDE lpm	PERCENT OF C-1215
302/304	135/185	.015	90	350	66%	420F	185/240	.015	110	530	60%
302/304"B"	225/275	.015	80	300	43%	430	135/185	.015	120	525	65%
303/303SE	135/185	.015	105	475	86%	430F	135/185	.015	160	600	85%
303/303SE"B"	225/275	.015	100	410	75%	431	225/275	.015	80	375	43%
304L	135/185	.015	90	350	66%	440A	225/275	.015	65	325	35%
309	135/185	.015	75	325	55%	440C	225/275	.015	65	325	35%
310	135/185	.015	75	325	55%	440F SE	185/240	.015	80	625	45%
316/316L	135/185	.015	75	325	55%	446	135/185	.015	120	525	65%
316"B"	225/275	.015	65	300	35%	PH 13-8MO	275/325	.015	70	280	38%
317/317L	135/185	.015	75	325	55%	15-5PH	150/200	.015	75	350	40%
321	135/185	.015	75	325	55%	17-4PH	150/200	.015	75	350	40%
330	135/185	.015	75	325	55%	17-4PH"H1150"	150/200	.015	80	385	45%
347	135/185	.015	75	325	55%	17-7PH	150/200	.015	75	350	40%
410	175/225	.015	105	475	57%	AM-355	150/200	.015	75	350	40%
416	135/185	.015	170	600	90%	NITRONIC 40	200/285	.015	70	280	38%
416"H.T."	275/325	.015	80	400	43%	NITRONIC 50	200/275	.015	70	280	38%
418 GREEK ASC	225/275	.015	80	375	43%	NITRONIC 60	200/275	.015	70	280	38%
420	175/275	.015	105	475	56%	20CB3	135/185	.015	75	325	55%

SUPER ALLOYS & ELECTRICAL STEELS											
GRADE	HARDNESS BHN	CUT DEPTH	TOOLING HI-SPEED lpm	CARBIDE lpm	PERCENT OF C-1215	GRADE	HARDNESS BHN	CUT DEPTH	TOOLING HI-SPEED lpm	CARBIDE lpm	PERCENT OF C-1215
MARAGING 300	275/300	.010	70	425	38%	INCONEL 625	200/300	.010	20	80	10%
A-286 SOL TRT	180/230	.015	35	160	19%	INCONEL 718	200/300	.010	20	80	10%
A-286 "AGED"	250/320	.010	30	145	17%	INCONEL X-750	200/300	.010	20	80	10%
4750/ALLOY 49	135/185	.015	90	350	66%	INVAR 36 "FM"	175/225	.015	105	475	56%
L605	180/230	.010	20	70	10%	WASPALOY	200/300	.010	20	80	10%
NICKEL 200	80/170	.015	110	400	60%	HASTELLOY C 276	140/220	.015	20	100	9%
MONEL 400	115/240	.015	80	270	43%	HASTELLOY X	140/220	.015	20	110	9%
MONEL 405	115/240	.015	80	270	40%	KOVAR	135/185	.015	120	525	65%
MONEL K500	150/320	.015	60	200	32%	RENE 41	225/300	.010	12	70	6%
INCONEL 600	140/220	.015	20	100	11%	9-4-30	325-375	.015	55	260	30%

SUPER ALLOYS & ELECTRICAL STEELS											
GRADE	HARDNESS BHN	CUT DEPTH	TOOLING HI-SPEED lpm	CARBIDE lpm	PERCENT OF C-1215	GRADE	HARDNESS BHN	CUT DEPTH	TOOLING HI-SPEED lpm	CARBIDE lpm	PERCENT OF C-1215
E-4130	175/225	.015	90	400	50%	E-52100	275/325	.015	50	350	25%
E-4130"HT"	275/325	.015	60	330	35%	E6150	225/275	.015	75	350	40%
E-4140	225/275	.015	75	350	40%	E8740	175/225	.015	90	400	50%
4330 MOD	225/300	.015	65	350	35%	E9310	175/225	.015	110	440	60%
E4340	225/300	.015	65	350	35%	NITRIDING	200/250	.015	85	400	45%
4340 MOD	225/300	.015	65	350	35%	H-11	200/250	.015	75	375	40%
"300M"	225/300	.015	65	350	35%	HY-TUF	200/250	.015	75	375	40%
E4620	175/225	.015	110	440	60%	D6AC	225/300	.015	65	350	35%

IN HOUSE PRODUCTION SAW CUTTING