

NEW SOURCE CORPORATION

AEROSPACE MATERIAL

Aluminum

Sheet & Plate

<u>Alloy</u>	<u>Condition</u>	<u>Federal Spec.</u>	<u>AMS</u>
1060		AMS-QQ-A-250/1	4000
1100		AMS-QQ-A-250/1	4001
2014			4014
2014	Alclad	AMS-QQ-A-250/3	
2024		AMS-QQ-A-250/4	4033/4035/4037 4097/4098/4099 4103/4104/4105 4106/4192/4193
2024	Alclad	AMS-QQ-A-250/5	4034/4040/4041 4042/4060/4061 4072/4073/4074 4075/4194/4195
2024	Alclad 1 side		4036/4077
2124	(Plate)	AMS-QQ-A-250/29	
2219		AMS-QQ-A-250/30	4031
2219	Alclad		4094/4095/4096
3003		AMS-QQ-A-250/2	4006/4008
5052		AMS-QQ-A-250/8	4015/4016/4017
5083		AMS-QQ-A-250/6	4056/4057/4058/4059
5086		AMS-QQ-A-250/7	
5154			4018/4019
5454		AMS-QQ-A-250/10	
5456		AMS-QQ-A-250/9 AMS-QQ-A-250/20	
6061		AMS-QQ-A-250/11	4025/4026/4027
6061	Aclad		4020/4021/4022/4023
7075		AMS-QQ-A-250/12 AMS-QQ-A-250/24	4038/4044/4045/4078
7075	Aclad	AMS-QQ-A-250/13 AMS-QQ-A-250/25 AMS-QQ-A-250/26	4039/4048/4049 4196/4197
7075	Alclad 1 side	AMS-QQ-A-250/18	4046
7079		AMS-QQ-A-250/17	4024
7079	Alclad	AMS-QQ-A-250/27	4198/4199
7079	Alclad 1 side	AMS-QQ-A-250/23	
7178		AMS-QQ-A-250/14 AMS-QQ-A-250/21	
7178	Aclad	AMS-QQ-A-250/15 AMS-QQ-A-250/22 AMS-QQ-A-250/28	

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Rod & Bar

<u>Alloy</u>	<u>Condition</u>	<u>Federal Spec.</u>	<u>AMS</u>	<u>ASTM</u>
<i>*Note: All forged rod and bar for all alloys per AMS-QQ-A-367*</i>				
2014	Rolled or CF	AMS-QQ-A-225/4	4121	
2014	Extruded	AMS-QQ-A-200/2	4153	
2017	Rolled or CF	AMS-QQ-A-225/5		
2024	Rolled or CF	AMS-QQ-A-225/6	4112/4119/4120	
2024	Extruded	AMS-QQ-A-200/3	4153/4164/4165	
3003	Rolled or CF	AMS-QQ-A-225/2		
3003	Extruded	AMS-QQ-A-200/1		
5052	Rolled or CF	AMS-QQ-A-225/7	4114	
5083	Extruded	AMS-QQ-A-200/4		
5086	Extruded	AMS-QQ-A-200/5		
5454	Extruded	AMS-QQ-A-200/6		
6061	Rolled or CF	AMS-QQ-A-225/8	4115/4116/4117/4129	
6061	Extruded	AMS-QQ-A-200/8	4150/4160/4161/4172/4173	
7075	Rolled or CF	AMS-QQ-A-225/9	4122/4123/4124/4186/4187	
7075	Extruded	AMS-QQ-A-200/11	4154/4166/4167	ASTM-B221
		AMS-QQ-A-200/15	4168/4169	ASTM-B221
7079	Extruded	AMS-QQ-A-200/12	4171	ASTM-B221
7178	Extruded	AMS-QQ-A-200/13	4158	ASTM-B221
		AMS-QQ-A-200/14		ASTM-B221

Drawn Seamless and Hydraulic Tube - Round & Rectangular

<u>Alloy</u>	<u>Condition</u>	<u>Federal Spec.</u>	<u>AMS</u>	<u>ASTM</u>
1100		WW-T-700/1		
3003		WW-T-700/2		
2024		WW-T-700/3		
5052		WW-T-700/4	4071	
5086		WW-T-700/5		
6061	MIL-T-7081	WW-T-700/6		
7075		WW-T-700/7		
304/304L	MIL-T-6845	MIL-T-8504		
316/316L				A213/A269

Solid & Laminated Shim Aluminum - Steel - Brass Stainless - MIL-S-22499 Manufacturer's Specifications

Carbon & Aircraft Alloy Steels

Sheet & Plate Grade

<u>Alloy</u>	<u>Military</u>	<u>AMS</u>	<u>Federal Spec.</u>
Cold rolled steel sheets - Comm. Qual.	ASTM-A-366		
Cold rolled steel sheets - Drawing Qual.	ASTM-A-365		
Hot rolled steel sheets	ASTM-A-570		Grade A
High carbon steel sheets C1045 - C1095			
Aircraft alloy 4130 sheet & plate	MIL-S-18729	AMS 6350	
Aircraft alloy 4140 sheet & plate		AMS 6390	
Aircraft alloy 4340 sheet & plate		AMS 6395	
Aircraft alloy 17-22A (V) sheet & plate		AMS 6436	
Aircraft alloy 4335 mod sheet & plate		AMS 6435/6435	
Aircraft alloy 6150 sheet & plate	MIL-S-18731	AMS 6455	

Rod & Bar Grade

<u>Alloy</u>	<u>Military</u>	<u>AMS</u>	<u>Federal Spec.</u>
C1018			QQ-S-634
C1015			QQ-S-634
C1215			QQ-S-634
Ledloy A	MIL-S-13433		
4130	MIL-S-6758	6370/2301	
4140	MIL-S-5626	6382/2301	
4330	MIL-S-8699	6427	
4340	MIL-S-5000	6415/2301	
	MIL-S-83135		
4340 Vac. Melt	MIL-S-8844	6416/6417/6419/2300	
4620	MIL-S-7493	6294	
6150	MIL-S-8503	6448	
8620	MIL-S-16974		QQ-S-625
8740	MIL-S-6049	6322	
8617	MIL-S-16974	6272	QQ-S-625
D6AC	MIL-S-8949	6431/2300	
H-11		6487	
Hy Tuf	MIL-S-7108	6418	
Nitriding	MIL-S-6709	6470/6472	
11205		6526	
9310		6260	
9315		6263	

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Stainless Steel & Nickel Alloys

Sheet & Plate

<u>Alloy</u>	<u>Military</u>	<u>AMS</u>	<u>Federal Spec.</u>
301 A	MIL-S-5059	5515	
301 1/4 H	MIL-S-5059	5517	
301 1/2 H	MIL-S-5059	5518	
301 Full Hard	MIL-S-5059	5519	
302/304	MIL-S-5059	5516	
310		5521	
316	MIL-S-5059	5524	
316L	MIL-S-5059	5507	
321	MIL-S-6721	5510	
347	MIL-S-6721	5512	
21-6-9		5595	
410		4405	
15-7 PH MO		4420	
17-7 PH		5528/5529	
19-9 DL		5526/5527	
A-286		5525	
L-605		5537	
AM 350		5546	
AM 355		5547 B	
304-2B 5-SM			
Hastelloy X		5536	
Hastelloy C		5530	
Hanes 188		5608	
Waspaloy		5544	
Rene 41		5545	
N 155		5532	
Inconel 600	MIL-N-6840	5540 G	
Inconel 625		5599	
Inconel 702		5550 A	
Inconel 718		5596	
Inconel X-750	MIL-N-7786	5542 G/5598	
Greek Ascology		5508	
Tantalum		ASTMB708	

Rod & Bar

<u>Alloy</u>	<u>Military</u>	<u>AMS</u>	<u>Federal Spec.</u>
302	MIL-S-7720	5637	QQ-S-763
302 Cond B	MIL-S-7720	5637	QQ-S-763
303 Sul	MIL-S-7720	5640	QQ-S-763-4
303 S Cond B	MIL-S-7720		QQ-S-764
303 Sel	MIL-S-7720	5640	QQ-S-763
303 Sel Cond B	MIL-S-7720	5938	QQ-S-764
304		5639	QQ-S-763
304 L		5647	QQ-S-763
309		5650	QQ-S-763
310		5651	QQ-S-763
316	MIL-S-7720	5648	QQ-S-763

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316 L	5653	QQ-S-763
321	5645	QQ-S-763
347	5646	QQ-S-763
410	5613	QQ-S-763
416	5610	QQ-S-763
430 F	5628	QQ-S-763
440 C	5630	QQ-S-763
440 F Se	5632	QQ-S-764
MP35N	5848	
13-8 PH MO	5629	
15-5 PH	5659	
17-4 PH	5643	QQ-S-763B
17-7 PH	5644	
A-286 Age Hd	5737	
A-286 Sol Tr	5731	
Inco 600	5665	
Inco 625	5666	
Inco 718 Vac Melt	5662	
	5664	
Inconel X-750	5667	
L-605	5759	
Maraging 250	6512	
Maraging 300	6514	
AM 355	5743	
Wespaloy	5708	
Greek Ascology	5616	
Hastelloy X	5754	
Invar	MIL-S-16598	(Chem Only)
Monel-500	4677	QQ-N-286
Monel-400	4676	QQ-N-281
Tungsten Alloy		

Titanium

Sheet & Plate

<u>Alloy</u>	<u>Military</u>	<u>AMS</u>	<u>Specification</u>	<u>ASTM</u>
Comm Pure 35A				B-58T Gr I
Comm Pure 50A	MIL-T-9046	4902	Type I Comp A	B-265-58T Gr II
Comm Pure 65A	MIL-T-9046	4900	Type I Comp C	B-265-Gr III
Comm Pure 75A	MIL-T-9046	4901	Type I Comp B	B-265 Gr IV
TI 5 AL-2.5 SN	MIL-T-9046	4910	Type II Comp A	
TI 5 AL-2.5 SN ELI	MIL-T-9046	4909	Type II Comp B	B-265 Gr VI
TI 8 AL-1MO-1V	MIL-T-9046	4915/4916	Type II Comp F	
6 AL-4V	MIL-T-9046	4911	Type III Comp C	B-265 Gr V
8 MN	MIL-T-9046	4908	Type III Comp A	B-381 Gr VII
4 AL-3MO-1V	MIL-T-9046	4912/4913	Type III Comp B	B-348 Gr 59TGRV
6 AL-4V ELI	MIL-T-9046	4907	Type III Comp D	
6 AL-6V-2SN	MIL-T-9046	4918	Type III Comp E	
6 AL-2SN-4ZR-2MO	MIL-T-9046	4976	Type III Comp G	

Rod & Bar Billet

TI-100A Comm Pure	MIL-T-9046	4921	Class I	
5 AL-2.5 SN	MIL-T-9046	4926	II-A	
8 AL-1MO-1V	MIL-T-9046	4972/4873	II-D	
6 AL-4V	MIL-T-9046	4928	III-A	
6 AL-6V-2SN	MIL-T-9047	4971	III-C	

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