

**Service
Steel
Aerospace
Corp.**



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WICHITA, KANSAS
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MATERIALS STOCKED

ROUNDS ■ FLATS ■ SQUARES ■ BILLET ■ BLOCK ■ SHEET ■ PLATE

STAINLESS STEEL	SPECIFICATIONS
15-5, PH, VAR, ESR	AMS 5659, TYPE I & II, BMS 7-240, AMS 5862, ASTM-A-564 (XM-12)
13-8 PH	AMS 5629, DMS 2100, STO160LB0013, ASTM-A-564 (XM-13)
17-4 PH	AMS 5643, AMS 5604, ASTM-A-564 (TYPE 630)
17-7 PH	AMS 5528, MIL-S-25043
301	AMS 5517, AMS 5518, AMS 5519, AMS 5901
303 SU	AMS 5640 TYPE 1, MIL-S-7720, ASTM-A-582, AMS-S-7720, QQ-S-763
303 SE	AMS 5640, TYPE 2, AMS 5641, MIL-S-7720, ASTM-A-582, AMS-S-7720, QQ-S-763
321	QQ-S-763, AMS 5645, AMS 5510, ASTM-A-240, AMS-QQ-S-763
347	AMS 5646, ASTM-A-479, QQ-S-763, ASTM-A-193, ASTM-A-276
418-GREEK	AMS 5616
TITANIUM	SPECIFICATIONS
6AL-4V	AMS 4928, AMS 6931, AMS 4911, AMS 4965, AMS 6930, AMS 4967, AMS 4920, AMS-T-9046 AMS-T-9047, MIL-T-9046, MIL-T-9047, ASTM B-348, ASTM F-1472, BMS 7-269, DMS 1583 DMS 1570, DMS 1592, 770.10251, ASTM B 265
6AL-4V ELI	AMS 4907, AMS 4930, AMS 4931, AMS 6932, AMS-T-9046, AMS-T-9047, MIL-T-9046 MIL-T-9047, ASTM-F-136, BMS 7-269
6AL-6V-2SN	AMS 4971, AMS 4978, AMS 4979, AMS 6935, AMS 6936, AMS 4918, MIL-T-9047 AMS-T-9047, DMS 1887
6AL-2SN-4ZR-2MO	AMS 4975, AMS 4976, AMS 6905, AMS 4919, MIL-T-9047
6AL-2SN-4ZR-6MO	AMS 4981, AMS 6906, AMS 6907, AMS-T-9047, MIL-T-9047, 770.10652, 770.10313
8AL-1MO-1V	AMS 4972, AMS 4973
10V-2FE-3AL	AMS 4984, AMS 4986, AMS 4987
ALLOY STEEL	SPECIFICATIONS
4340 MOD. "300M"	BMS 7-26, AMS 6257, AMS 6417, AMS 6419, CPS 4911, DMS 1935, GM 1012, MTL1201, MAT 137, CE-0896, C-05-1190, MIL-S-8844, CL3, PWA LCS F-17
4340 VAC MELT	AMS 6414, MIL-S-8844 CL1, BPS 299-947-055, PWA LCS F-17, SS 9702, DMS 1555 GRA, BMS 7-28, MIL-S-5000, AMS 6409, AMS 6415, AMS 6484, AMS-S-5000
4340 AIR MELT	BMS 7-28, MIL-S-5000, DMS 1555 GR.B, AMS 6409, AMS 6415, AMS 6484, AMS-S-5000
9310 VAC MELT	AMS 6265, AMS 6267, BPS 299-947-032, EMS 56280, EMS 56279, MIL-S-83030, PWA LCS F-17 AMS 6260, MIL-S-7393, HT-5042
9310 AIR MELT	AMS 6260, MIL-S-7393, HT-5042, PWA LCS F-17
4330 MOD.	BMS 7-122, BMS 7-27, AMS 6411, AMS 6427, GM 1010, MIL-S-8699
M50	AMS 6490, AMS 6491
H-11	AMS 6487, AMS 6488, CPS 4907



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ALLOY STEEL (CONT.)

4130
D6AC
HY TUF
NITRIDING VAC MELT
NITRIDING AIR MELT
9-4-30
8740

MARAGING STEEL

C 250
C 300
C 350

NICKEL BASE ALLOY

718
625
HASTELLOY X
A-286

INVAR

E-36
E-42

BERYLLIUM COPPER

172

SPECIALTY ALLOY

AERMET 100

SPECIFICATIONS

MIL-S-6758, MIL-S-18729, AMS 6370, AMS 6350, AMS 6345, AMS 6348
AMS-S-6758, AMS-S-18729
AMS 6431, FMS 1011, MIL-S-8949, AMS-S-8949
AMS 6418, AMS 6425, DMS 1841, MIL-S-7108, AMS-S-7108
AMS 6470, AMS 6471, MIL-S-6709, AMS-S-6709, AMS 2300
AMS 6470, AMS 6472, MIL-S-6709
BMS 7-182 TYPE 2, AMS 6526
AMS 6322, MIL-S-6049

SPECIFICATIONS

AMS 6512, AMS 6520, MIL-S-46850 TYPE IV, S162
AMS 6514, AMS 6521, MIL-S-46850 TYPE IV
AMS 6515, MIL-S-46850 TYPE IV

SPECIFICATIONS

AMS 5662, AMS 5663, AMS 5664, AMS 5596, B50TF15, ASTM-B-637
AMS 5666, AMS 5599, ASTM-B-446
AMS 5754
AMS 5732, ASTM-A-453, GRADE 660 CL. B, AMS 5737

SPECIFICATIONS

D-33028, D-33000, ASTM-A-B753
D-33028, D-33000, ASTM-A-B753

SPECIFICATIONS

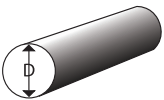
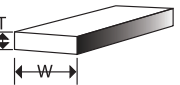
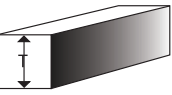
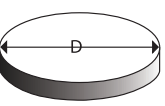
AMS 4851, AMS 4533, AMS 4534, ASTM B-196, ASTM B570, QQC 530
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SPECIFICATIONS

AMS 6532, MIL HDBK-5, MMS 217, UNS K92580

WEIGHT FORMULAS

(Bar weights based on: steel, .2833 lb. per cubic in./titanium, .1600 lb. per cubic in./nickel alloy .2970 lb. per cubic in.)

<p>ROUNDS</p>  <p>Steel: Lbs. per lineal foot = $D^2 \times 2.669$ Lbs. per lineal inch = $D^2 \times .2224$</p> <p>Titanium: Lbs. per lineal foot = $D^2 \times 1.507$ Lbs. per lineal inch = $D^2 \times .1256$</p> <p>Nickel Alloy: Lbs. per lineal foot = $D^2 \times 2.798$ Lbs. per lineal inch = $D^2 \times .2331$</p>	<p>FLATS</p>  <p>Steel: Lbs. per lineal foot = $T \times W \times 3.40$ Lbs. per lineal inch = $T \times W \times .2833$</p> <p>Titanium: Lbs. per lineal foot = $T \times W \times 1.92$ Lbs. per lineal inch = $T \times W \times .16$</p> <p>Nickel Alloy: Lbs. per lineal foot = $T \times W \times 3.564$ Lbs. per lineal inch = $T \times W \times .2970$</p>	<p>SQUARES</p>  <p>Steel: Lbs. per lineal foot = $T^2 \times 3.40$ Lbs. per lineal inch = $T^2 \times .2833$</p> <p>Titanium: Lbs. per lineal foot = $T^2 \times 1.92$ Lbs. per lineal inch = $T^2 \times .16$</p> <p>Nickel Alloy: Lbs. per lineal foot = $T^2 \times 3.564$ Lbs. per lineal inch = $T^2 \times .2970$</p>	<p>CIRCLES</p>  <p>Steel: Wt. of Circle in lbs. = $D^2 \times T \times .2224$</p> <p>Titanium: Wt. of Circle in lbs. = $D^2 \times T \times .1256$</p> <p>Nickel Alloy: Wt. of Circle in lbs. = $D^2 \times T \times .2331$</p>
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Materials Stocked by SSA

Stainless Steel

Specs: AMS 5659, BMS 7-240, AMS 5862, AMS 5629, AMS 5643, AMS 5604, AMS 5528, AMS 5517, AMS 5518, AMS 5519, AMS 5901, AMS 5640, AMS 5641, QQ-S-763, AMS 5645, AMS 5510, AMS 5646, ASTM-A-479, AMS 5616, ...

	Round	Flat	Square	Billet	Block	Sheet	Plate
15-5 PH	✓	✓	✓	✓	✓	✓	✓
13-8 PH	✓	✓	✓	✓	✓	✓	✓
17-4 PH	✓	✓	✓			✓	
17-7 PH						✓	
301	✓						✓
303 SU	✓	✓	✓				
303 SE	✓						
304	✓	✓				✓	✓
321						✓	
347	✓						
418-GREEK	✓						

Titanium

Specs: AMS 4928, AMS 6931, AMS 4911, AMS 4965, AMS 6930, AMS 4967, AMS 4920, AMS-T-9046, MIL-T-9047, BMS 7-269, DMS 1570, DMS 1592, AMS 4907, AMS 4930, AMS 4931, AMS 6932, AMS 4971, AMS 4978, AMS 4979, AMS 6935, AMS 6936, AMS 4918, AMS 4975, AMS 4976, AMS 6905, AMS 4919, AMS 4981, AMS 6906, AMS 6907, AMS 4972, AMS 4973, AMS 4984, AMS 4986, AMS 4987, ...

	Round	Flat	Square	Billet	Block	Sheet	Plate
6AL-4V	✓	✓	✓	✓	✓	✓	✓
6AL-4V ELI	✓			✓			
6AL-6V-2SN	✓			✓	✓		
6AL-2SN-4ZR-2MO	✓			✓	✓		
6AL-2SN-4ZR-6MO	✓			✓	✓		
8AL-1MO-1V	✓						
10V-2FE-3AL					✓		

Alloy Steel

Specs: BMS 7-26, AMS 6257, AMS 6417, AMS 6419, CPS 4911, DMS 1935, BMS 6414, MIL-S-8844, BMS 7-28, MIL-S-5000, AMS 6409, AMS 6415, AMS 6484, AMS-S-5000, AMS 6265, AMS 6267, AMS 6260, BMS 7-122, BMS 7-27, AMS 6411, AMS 6427, AMS 6490, AMS 6491, AMS 6487, AMS 6488, ...

	Round	Flat	Square	Billet	Block	Sheet	Plate
4340 MOD "300M"	✓	✓	✓	✓	✓		
4340 VAC MELT	✓	✓	✓	✓	✓		
4340 AIR MELT	✓						
9310 VAC MELT	✓	✓	✓	✓	✓		
9310 AIR MELT	✓						
4330 MOD VAR	✓	✓	✓	✓	✓		
M50	✓						
D6AC	✓						
4130	✓	✓	✓				
H-11	✓						
HY TUF	✓						
NITRIDING VAC MELT	✓						
NITRIDING AIR MELT	✓						
9-4-30	✓						
8740	✓						

Maraging

Specs: AMS 6512, AMS 6520, MIL-S-46850, AMS 6514, AMS 6521, AMS 6515

	Round	Flat	Square	Billet	Block	Sheet	Plate
C250	✓	✓	✓	✓			
C300	✓	✓	✓	✓			
C350	✓	✓	✓	✓			

Nickel Base Alloy

Specs: AMS 5662, AMS 5663, AMS 5664, AMS 5596, B50TF15, ASTM-B-637, AMS 5666, AMS 5599, ASTM-B-446, AMS 5754, AMS 5732, ASTM-A-453, AMS 5737, ...

	Round	Flat	Square	Billet	Block	Sheet	Plate
718	✓						
625	✓						
HASTELLOY X	✓						
A-286	✓						

Invar

Specs: D-33028, D-33000, ASTM-A-B753

	Round	Flat	Square	Billet	Block	Sheet	Plate
E-36							✓
E-42							✓

Beryllium Copper

Specs: AMS 4851, AMS 4533, AMS 4534, ASTM B-196, ASTM B570, QQC 530

	Round	Flat	Square	Billet	Block	Sheet	Plate
172	✓						✓

Specialty Alloy

Specs: AMS 6532, MIL HDBK-5, MMS 217, UNS K92580

	Round	Flat	Square	Billet	Block	Sheet	Plate
AERMET 100	✓						