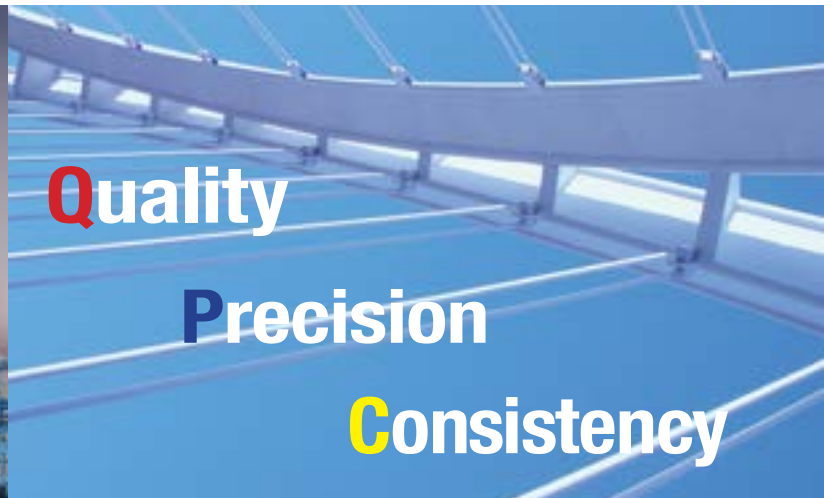




# AMERICAN FILLER METALS

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**Nickel**

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**STS Wires**



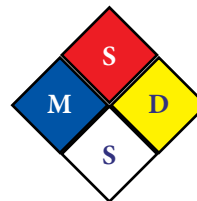
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# AMERICAN FILLER METALS

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*Please contact us  
for MSDS*

Aluminum Alloy Filler Metals		
AMS Spec.	Alloy	Nominal Chemical Composition
4180	1100	99.0 Al
4181	4008 (A356)	7.0Si 0.38Mg 0.10Ti
4184	4145	10Si 4.0Cu
4185	4047	12Si
4190	4043	5.2Si
4191	2319	6.3Cu 0.30Mn 0.18Zr 0.15Ti 0.10V
4233	201.0	4.5Cu 0.70Ag 0.30Mn 0.25Mg 0.25Ti
4244	206.0	4.6Cu 0.35Mn 0.25Mg 0.22Ti
4245	355.0	5.0Si 1.2Cu 0.50Mg
4246	357.0	7.0Si 0.52Mg

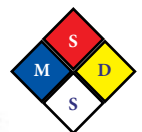
Low Alloy Steels		
AMS Spec.	Alloy	Nominal Chemical Composition
6452	4140VM	0.95Cr 0.20Mo (0.38- 0.43C)
6453	Hy Tuf	0.30Cr 1.8Ni 0.40Mo (0.23-0.28C)
6456	4340VM	0.80Cr 1.8Ni 0.25Mo (0.35-0.40C)
6457	4140VM	0.95Cr 0.20Mo (0.28-0.33C)
6458	17-22A (S)	0.65Si 1.25Cr 0.50Mo 0.30V (0.28-0.33C)
6461	6130VM	0.95Cr 0.20V (0.28-0.33C)
6462	6130	0.95Cr 0.20V (0.28-0.33C)
6466	502	5.2Cr 0.55Mo
6468	HP9-4-20	1.0Cr 3.8Co 0.45Mo 0.08V (0.14-0.17C)

Magnesium Alloy Filler Metals		
AMS Spec.	Alloy	Nominal Chemical Composition
4395	AZ92A	9.0Al 2.0Zn
4396	EZ33A	3.3Ce 2.5Zn 0.72Zr
4418	QE22A	2.5Ag 2.1Di 0.70Zr

Nickel Base Brazing Filler Metals		
AMS Spec.	Alloy	Nominal Chemical Composition
4775	BNi-1	73.0Ni 4.5Si 14.0Cr 3.1B 4.5Fe 0.75C
4777	BNi-2	82.0Ni 4.5Si 7.0Cr 3.1B 3.0Fe

Silver Brazing Filler Metals		
AMS Spec.	Alloy	Nominal Chemical Composition
4761	BAG-34	38.0Ag 32.0Cu 28.0Zn 2.0Sn
4763	BAG-7	56.0Ag 22.0Cu 17.0Zn 5.05 Sn
4765	BAG-13a	56.0Ag 42.0Cu 2.0Ni
4766	BAG-23	85.0Ag 15.0Mn
4767	BAG-19	92.5Ag 7.2Cu 0.22Li
4768	BAG-2	35.0Ag 26.0Cu 21.0Zn 15.0Cu
4769	BAG-1	45.0Ag 24.0Cd 16.0Zn 15.0Cu
4770	BAG-1a	50.0Ag 18.0Cd 16.5Zn 15.5Cu
4771	BAG-3	50.0Ag 16.0Cd 15.5Zn 15.5Cu 3.0Ni
4772	BAG-13	54.0Ag 40.0Cu 5.0Zn 1.0Ni
4773	BAG-18	60.0Ag 30.0Cu 10.0Sn
4774	BAG-21	63.0Ag 28.5Cu 6.0Sn 2.5Ni

Titanium Alloy Filler Metals		
AMS Spec.	Alloy	Nominal Chemical Composition
4951	CP-Ti	0.08C 0.18O 0.005H 0.05N 0.20Fe Ti Bal
4952	6-2-4-2	6.0Al 2.0Sn 4.0Zr 2.0Mo
4953	5Al 2.5Sn	5.0 Al-2.5 Sn
4954	6Al-4V	0.05C 0.12O 0.015H 0.03N 6.75Al 4.50V 0.30Fe Ti Bal
4955	8-1-1	0.08C 0.12O 0.01H 0.05N 8.0Al 1.0Mo 1.0V Ti Bal
4956	6Al-4V(ELI)	0.03C 0.08O 0.005H 0.012N 6.75Al 4.5V 0.15Fe 0.10Mn Ti Bal



Corrosion & Heat Resistant Steels and Alloy Filler Metals		
AMS Spec.	Alloy	Nominal Chemical Composition
5675	Inconel 92	70.0Ni 15.5Cr 7.0Fe 3.0Ti 2.4Mn
5679	Inconel 62	73.0Ni 15.5Cr 2.2Cb 8.0Fe
5680	347 Stainless	18.5Cr 11.0Ni 0.40(Cb+Ta)
5689	321 Stainless	18.0Cr 10.5Ni 0.40Ti
5692	316 Stainless	19.0Cr 12.5Ni 2.5Mo
5694	310 Stainless	27.0 Cr 21.5Ni
5774	AM-350	16.5Cr 4.5Ni 2.9Mo 0.10N
5776	410 Stainless	12.5Cr
5778	Inconel 69	72.0Ni 15.5Cr 2.4Ti 1(Cb+Ta) 0.70Al 7.0Fe
5782	19-9WMo	20.5Cr 9.0Ni 0.50Mo 1.5W 1.2(Cb+Ta) 0.20Ti
5784	29-9 (312)	29.0 Cr-9.5Ni
5786	Hastelloy W	62.5Ni 5.0Cr 24.5Mo 5.5Fe
5789	Stellite 31	54.0Co 25.5Cr 10.5Ni 7.5W
5794	Multimet (N-155)	31.0Fe 21.0Cr 20.0Ni 20.0Co 3.0Mo 2.5Wi 1(Cb+Ta) 0.15N
5796	Haynes 25 (L-605)	52.0Co 20.0Cr 10.0Ni 15.0W
5798	Hastelloy X	47.5Ni 22.0Cr 1.5Co 9.0Mo 0.60W 18.5Fe
5800	Rene 41	54.0Ni 19.0Cr 11.0Mo 3.2Ti 1.5Al 0.006B
5801	Haynes 188	39.0Co 22.0Cr 22.0Ni 14.5W 0.07La
5804	A286	15.0Cr 25.5Ni 1.3Mo 2.2Ti 0.006B 0.30V
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Corrosion & Heat Resistant Steels and Alloy Filler Metals		
AMS Spec.	Alloy	Nominal Chemical Composition
5805	A286VM	15.0Cr 25.5Ni 1.3Mo 2.2Ti 0.004B 0.30V
5806	903	42.0Fe 38.0Ni 15.0Co 3.0(Cb+Ta) 1.4Ti 0.92Al
5812	15-7Mo VM	15.0Cr 7.1Ni 2.4Mo 1.0Al
5813	15-7Mo	15.0Cr 7.1Ni 2.4Mo 1.0Al
5817	Greek Ascology	13.0Cr 2.0Ni 3.0W
5821	410 Mod	12.0Cr Ferrite Controlled
5823	Jethete	11.8Cr 2.8Ni 1.6Co 1.8Mo 0.32 V
5824	17-7PH	17.0Cr 7.1Ni 1.0Al
5825	17-4PH	16.4Cr 4.8Ni 0.22Cb 3.2Cu
5826	15-5PH	15.0Cr 5.1Ni 0.30Cb 3.2Cu
5828	Waspaloy	57.0Ni 19.5Cr 13.5Co 4.2Mo 3.1Ti 1.4Al 0.006B
5830	901	12.5Cr 42.5Ni 6.0Mo 2.7Ti 0.015B 25.0Fe
5831	556	29Fe 22Cr 21Ni 18.5Co 3.2Mo 2.8W 0.78Ta 0.30Al 0.05Zr .05La 0.20N
5832	718	52.5Ni 19.0Cr 5.1(Cb+Ta) 0.90Ti 0.50Al 18.0Fe
5836	FM-82	72.0Ni 20.0Cr 3.0Mn 2.5Cb
5837	625	62.0Ni 21.5Cr 9.0Mo 3.7(Cb+Ta)
5838	Hastelloy S	65.0Ni 16.0Cr 15.0Mo 0.30Al 0.06 La
5840	PH13-8Mo	13.0Cr 8.0Ni 2.3Mo 1.1Al

