



Material Designation and Temper	Resistance to Atmospheric Attack	Formability	Machinability	Suitability for				Material Designation and Temper	Resistance to Atmospheric Attack	Formability	Machinability	Suitability for			
				Welding			Anodising					Welding			Anodising
				Inert Gas Shielded Arc	Oxy-Gas	Resistance Spot, Seam etc						Inert Gas Shielded Arc	Oxy-Gas	Resistance Spot, Seam etc	
1080A -O	E	E	P	V	V	G	E	5083 -O	V	G	G	E	F	E	V
-H18	E	F	F	V	V	G	E	-H2	F	F	V	E	F	E	V
1050 -O	V	E	F	V	V	V	E	-H14	F	F	V	E	F	E	V
-H18	V	F	G	V	V	V	E	5154A -O	V	V	G	E	F	E	V
1200 -O	V	E	F	V	V	V	V	-H2	G	G	V	E	F	E	V
-H14	V	V	F	V	V	V	V	-H14	G	F	V	E	F	E	V
-H18	V	F	G	V	V	V	V	5251 -O	V	V	G	V	V	E	V
2011 -T3	P	F	E	N	N	N	F	-H24	V	G	G	V	V	E	V
-T6	P	F	E	N	N	N	F	-H26	V	G	V	V	V	E	V
2014A -T4	P	G	G	N	N	E	F	5454 -O	V	V	G	E	F	E	V
-T6	P	F	V	N	N	E	F	-H2	G	G	V	E	F	E	V
2024 -T4	P	G	G	N	N	E	F	-H14	G	G	V	E	F	E	V
-T3	P	G	V	N	N	E	F	6061 -T4	V	V	G	V	F	V	G
2618A -T6	F	-	G	N	N	-	F	-T6	G	G	V	V	F	V	G
3103 -O	V	E	F	V	V	E	G	6063 -T4	V	V	G	V	F	V	V
-H14	V	V	F	V	V	E	G	-T6	G	G	V	V	F	V	V
-H18	V	F	G	V	V	E	G	6082 -T4	V	G	G	V	F	V	G
3105 -O	V	V	-	V	V	V	G	-T6	G	G	G	V	F	V	G
-H14	V	V	-	V	V	V	G	7020 -T4	G	-	F	V	-	-	F
-H18	V	V	-	V	V	V	G	-T6	G	-	G	V	-	-	F
5005 -O	V	V	F	E	-	E	E	7075 -T6	F	F	V	N	N	V	F
-H14	V	G	G	E	-	E	E								
-H18	V	F	G	E	-	E	E								

KEY: E - Excellent V - Very Good G - Good F - Fair N - Not Recommended P - Poor

Comparison of Designations

Comparison of Designations								
European EN	France AFNOR	Germany DIN	United Kingdom BS	Italy UNI		USA ASTM	Japan JIS	AA
				Old	New			
EN AW-1080A (Al 99.8(A))	1080A	Al99.8	1080A	4509	9001/4	1080A	A1080	1080A
EN AW-1070A (Al 99.7)	1070A	Al99.7		4508	9001/3	1070A	A1070	1070A
EN AW-1050A (Al 99.5)	1050A	Al99.5	1050A	4507	9001/2	1050A	A1050	1050A
EN AW-1200 (Al 99.0)	1200	Al99	1200	3567	9001/1	1200	A1200	1200
EN AW-1100 (Al 99.0Cu)	1100					1100	A1100	1100
EN AW-2011 (Al Cu6BiPb)	2011	AlCuBiPb	2011	6362	9002/5	2011	A2011	2011
EN AW-2014 (Al Cu4SiMg)	2014	AlCuSiMn	2014A	3581	9002/3	2014	A2014	2014
EN AW-2017A (Al Cu4MgSi(A))	2017A	AlCuMg1	2017A	3579	9002/2	2017A	A2017	2017
EN AW-2618A (Al Cu2Mg1.5Ni)	2618A		2618A	7250		2618A		2618A
EN AW-2024 (Al Cu4Mg1)	2024	AlCuMg2	2024	3583	9002/4	2024	A2024	2024
EN AW-2030 (Al Cu4PbMg)	2030	AlCuMgPb				2030		2030
EN AW-3003 (Al Mn1Cu)	3003	AlMnCu	3103	7788	9003/1	3003	A3003	3003
EN AW-3004 (Al Mn1Mg1)	3004	AlMn1Mg1		6361	9003/2	3004	A3004	3004
EN AW-3005 (Al Mn1Mg0.5)	3005	AlMn1Mg0.5			9003/4	3005	A3005	3005
EN AW-3105 (Al Mn0.5Mg0.5)	3105	AlMn0.5Mg0.5	3105	3103				
EN AW-5005 (Al Mg1(B))	5005	AlMg1	5005	5764	9005/1	5005	A5005	5005
EN AW-5049 (Al Mg2.5Mn0.8)	5049	AlMg2Mn0.8				5049		5049
EN AW-5251 (Al Mg2)	5251	AlMg2Mn0.3	5251	4511		5251		5251
EN AW-5052 (Al Mg2.5)	5052	AlMg2.5		3574	9005/2	5052	A5052	5052
EN AW-5454 (Al Mg3Mn)	5454	AlMg2.7Mn	5454	7789	9005/3	5454	A5454	5454
EN AW-5754 (Al Mg3)	5754	AlMg3				5754		5754
EN AW-5356 (Al Mg5Cr(A))	5356	AlMg5	3576			5356		
EN AW-5182 (Al Mg4.5Mn0.4)	5182	AlMg5Mn				5182		5182
EN AW-5083 (Al Mg4.5Mn0.7)	5083	AlMg4.5Mn	5083	7790	9004/5	5083	A5083	5083
EN AW-5086 (Al Mg4)	5086	AlMg4Mn		5452	9005/4	5086	A5086	5086
EN AW-6005A (Al MgSi(A))	6005A	AlMgSi0.7			9006/6	6005A		6005A
EN AW-6060 (Al Mg Si)	6060	AlMgSi0.5	6063	3569	9006/1	6060		6060
EN AW-6061 (Al Mg1SiCu)	6061	AlMgSiCu	6061	6170	9006/2	6061	A6061	6061
EN AW-6082 (Al Si1MgMn)	6082	AlMgSi1	6082	3571	9006/4	6082		6082
EN AW-7020 (Al Zn4.5Mg1)	7020	AlZn4.5Mg1	7020	7791	9007/1	7020	7020	
EN AW-7049A (Al Zn)	7049A					7049A		
EN AW-7075 (Al Zn5.5MgCu)	7075	AlZnMgCu1.5	7075	3735	9007/2	7075	A7075	7075
EN AW-8011A (Al FeSi)	8011				8011			8011

These are equivalents. Chemical compositions are not always identical from one standard to another.