

International Standards Comparison Chart - Aluminum

Alloys	Country	Grade	W _B /%				Al	Standard
			Si	Cu	Mg	Fe		
Al-Si Series	China	YL102	10.0-13.0	<0.6	<0.05	<1.2	surplus	GB/T15115-94
	Japan	ADC1	11.0-13.0	<1.0	<0.30	<1.2		JISH5302-82
	USA	413	11.0-13.0	<1.0	<0.35	<2.0		ASTMB85-82
	Russia	AJ12	10.0-13.0	<0.6	<0.10	<1.5		TOCT2685-82
	Germany	AlSi12	11.0-13.5	<0.10	<0.05	<1.0		DIN1725
Al-Si-Mg Series	China	YL104	8.0-10.5	<0.30	0.17-0.30	<1.0	surplus	GB/T15115-94
	Japan	ADC3	9.0-10.0	<0.60	0.40-0.60	<1.3		JISH5302-82
	USA	360	9.0-10.0	<0.60	0.40-0.60	<2.0		ASTMB85-82
	Russia	AJ14	8.0-10.5	<0.10	0.17-0.30	<1.0		TOCT2685-82
	Germany	AlSi10Mg	9.0-11.0	<0.10	0.20-0.50	<1.0		DIN1725
Al-Si-Cu Series	China	YL112	7.5-9.5	3.0-4.0	<0.30	<1.2	surplus	GB/T15115-94
		YL113	9.6-12.0	1.5-3.5	<0.30	<1.2		
	Japan	ADC10	7.5-9.5	2.0-4.0	<0.30	<1.3		JISH5302-82
		ADC12	9.6-12.0	1.5-3.5	<0.30	<1.3		
	USA	380	7.5-9.5	3.0-4.0	<0.10	<1.3		ASTMB85-82
		383	9.5-11.5	2.0-3.0	<0.10	<1.3		
	Russia	AJ16	4.5-6.0	2.0-3.0	<0.10	<1.5		TOCT2685-82
	Germany	AlSi8Cu3	7.5-9.5	2.0-3.5	<0.30	<1.3		DIN1725
Al-Mg Series	China	YL302	0.80-1.30	<0.10	4.5-5.5	<1.2	surplus	GB/T15115-94
	Japan	ADC5	<0.30	<0.20	4.0-8.5	<1.8		JISH5302-82
	USA	518	<0.35	<0.25	7.5-8.5	<1.8		ASTMB85-82
	Germany	AlMg9	<0.50	<0.05	7.0-10.0	<1.0		DIN1725

