

# ALUMINUM SPECIFICATIONS

## Specifications for Aluminum Ingot Alloys (ASTM B179-03)

Revised 6-18-07

Alloy			SI	FE	CU	MN	MG	CR	NI	ZN	TI	SN	OE	OT
ANSI	ASTM	UNS												
A380.1	SC84A-B	A13801	7.5-9.5	1.0	3.0-4.0	.50	.10	....	.50	2.9	....	.35	....	.50
383.1	SC102A	A03831	9.5-11.5	.60-1.0	2.0-3.0	.50	.10	---	.30	2.9	---	.15	---	.50
384.1	SC114A	A03841	10.5-12.0	1.0	3.0-4.5	.50	.10	---	.50	2.9	---	.35	---	.50
A413.1	S12A-B	A14131	11.0-13.0	1.0	1.0	.35	.10	---	.50	.40	---	.15	---	.25
A360.1	SG100A-B	A13601	9.0-10.0	1.0	.60	.35	.45-.60	---	.50	.40	---	.15	---	.25
B390.1	SC174B	A23901	16.0-18.0	1.0	4.0-5.0	.50	.50-.65	---	.10	1.4	.20	---	.10	.20
319.1	---	A03191	5.5-6.5	.80	3.0-4.0	.50	.10	---	.35	1.0	.25	---	---	.50
355.1	---	A03551	4.5-5.5	.50*	1.0-1.5	.50*	.45-.60	.25	---	.35	.25	---	.05	.15
356.1	---	A03561	6.5-7.5	.50*	.25	.35*	.25-.45	---	---	.35	.25	---	.05	.15
443.1	---	A04431	4.5-6.0	.60	0.60	.50	.05	.25	---	.50	.25	---	---	.35
535.2	---	A05352	.10	.10	.05	.10-.25	6.6-7.5	---	---	---	.10-.25	---	.05	.15

\* If Fe content exceeds .45%, Mn shall be at least  $\frac{1}{2}$  of the Fe content