

Master Alloys Selection Chart

Aluminum-Based Master Alloys		Precision Addition Family™				Standard Forms				
		Cut Rod	ACU-COIL™	ACU-STIX™	ACU-BAR™	Full Waffle Ingot	Notch Bar Ingot	Cut Waffle Ingot	Shot	Bagged Shot
Grain Refiners		Standard % of Alloying Element								
Titanium Aluminum	6% Ti	●	●	●	●	●		●		
Titanium Aluminum	10% Ti					●		●		
Titanium-Boron Aluminum	3% Ti-1% B	●	●	●	●	●		●		
Titanium-Boron Aluminum	5% Ti-1% B	●	●	●	●	●		●		
Titanium-Boron Aluminum	5% Ti-0.6% B	●	●	●	●	●		●		
Titanium-Boron Aluminum	5% Ti-0.2% B	●	●	●	●	●		●		
Titanium-Boron Aluminum	10% Ti-1% B					●		●		

Hardeners

Antimony Aluminum	5% Sb					●	●			
Bismuth Aluminum	2 or 8% Bi					●	●			
Chrome Aluminum	10 or 20% Cr					●	●			
Cobalt Aluminum	10 or 20% Co					●	●			
Copper Aluminum	20, 33, 50 or 54% Cu					●	●			
Iron Aluminum	15, 25 or 35% Fe					●	●			
Lead Aluminum	6% Pb					●	●			
Lithium Aluminum	8% Li					●	●			
Magnesium Aluminum	25 or 50% Mg					●	●			
Manganese Aluminum	10, 25 or 50% Mn					●	●			
Nickel Aluminum	20% Ni					●	●			
Silicon Aluminum	20, 36 or 50% Si					●	●			
Vanadium Aluminum	5 or 10% V					●	●			
Zinc Aluminum	50% Zn					●	●			
Zirconium Aluminum	5, 6, 10 or 15% Zr					●	●			

Modifiers & Special Alloys

Beryllium Aluminum	1, 2.5 or 5% Be	●	●	●	●		●			
Boron Aluminum	3, 4 or 5% B	●	●			●				
Phosphorus Copper	8 or 15% P					●			●	●
Strontium Aluminum	3.5, 10 or 15% Sr	●	●	●	●	●		●		
Strontium-Silicon Aluminum	10% Sr-14% Si					●		●		

Copper-Based Master Alloys

Aluminum Copper	54, 67 or 80% Al					●	●			
Chrome Copper	5 or 10% Cr					●				
Copper Shot	Pure								●	
Iron Copper	10 to 50% Fe						●		●	
Lithium Copper	2% Li					●	●			
Magnesium Copper	20% Mg						●			
Manganese Copper	30% Mn						●			
Nickel Copper	30 to 50% Ni								●	
Phosphorus Copper	8 to 15% P					●			●	●
Silicon Copper	10 to 30% Si					●				

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