



Ritchey Metals

Specifications for Zinc Base Alloys

Values listed are maximum limits if no range is given, and for ingot or sow form

Common Name	Aluminum (Al)	Magnesium (Mg)	Copper (Cu)	Iron (Fe)	Lead (Pb)	Cadmium (Cd)	Tin (Sn)	Nickel (Ni)	Zinc (Zn)	Color Code	ASTM Section	UNS Code	ASTM Code
SHG	0.002	—	0.002	0.003	0.003	0.003	0.001	—	99.990 min	Yellow	B6	Z13001	
HG	0.01	—	0.002	0.02	0.03	0.01	0.001	—	99.95 min	Green	B6	Z15001	
Prime West	0.01	—	0.1	0.05	0.5 - 1.4	0.2	—	—	98.5 min	Black	B6	Z19001	
Zinc Casting Alloy #2	3.9 - 4.3	0.025 - 0.05	2.7 - 3.3	0.035	0.004	0.003	0.0015	—	Remainder	Green	B240	Z35540	AC43A
Zinc Casting Alloy #3	3.9 - 4.3	0.03 - 0.06	0.1	0.035	0.004	0.003	0.0015	—	Remainder	None	B240	Z33521	AG40A
Zinc Casting Alloy #5	3.9 - 4.3	0.03 - 0.06	0.7 - 1.1	0.035	0.004	0.003	0.0015	—	Remainder	Black	B240	Z35530	AC41A
Zinc Casting Alloy #7	3.9 - 4.3	0.010 - 0.020	0.1	0.075	0.002	0.002	0.001	0.005 - 0.020	Remainder	Brown	B240	Z33522	AG40B
ZA-8	8.2 - 8.8	0.020 - 0.030	0.9 - 1.3	0.035	0.005	0.005	0.002	—	Remainder	Blue	B240	Z35635	
ZA-12	10.8 - 11.5	0.020 - 0.030	0.5 - 1.2	0.05	0.005	0.005	0.002	—	Remainder	Orange	B240	Z35630	
ZA-27	25.5 - 28.0	0.012 - 0.020	2.0 - 2.5	0.07	0.005	0.005	0.002	—	Remainder	Purple	B240	Z35846	
V12	11.7 - 12.6	0.75 - 0.12	0.25	0.07	0.005	0.004	0.003	—	Remainder	Pink	B327	Z33730	
Brightener (90/10)	9.5 - 10.5	—	0.035	0.05	0.005	0.004	0.003	—	Remainder	Red/Green	B860	Z30750	
Brightener (95/5)	4.5 - 5.5	—	0.035	0.05	0.005	0.004	0.003	—	Remainder	Red/Blue	B860	Z30503	
Slush Casting Alloy	(Typically 5% Aluminum with the remainder Zn. However, this Alloy usually is made to specific customer requirements)												
Galvalume	(Typically 57% Al, 1.5% Si, 41.5% Zn. However, this alloy usually is made to specific customer requirements)												