

Erie Bronze & Aluminum Sand Casting Alloys Cross Reference Chart

Family	CDA	UNS	ASTM	SAE	AMS	Federal	Military	Reported Uses
Manganese Bronze	862	C86200	B584 B763	J461 J462		QQ-C-390(C4)	MIL-C-22229	Brackets, Shafts, Gears & Structural Parts, Marine Castings, Bushings, Bearings
	863	C86300	B22 B584 B763	J461 J462	4862	QQ-C-390(C7)	MIL-C-22229	Screw Down Nuts, Slow-speed Heavy Load Bearings, Gears, Gibs & Cams
	865	C86500	B584 B763	J461 J462	4860	QQ-C-390(C3)	MIL-C-22229	Strength Applications, Propellers for Salt & Fresh Water, Machinery Parts substituting for Steel & Malleable Iron, Valve Stems, Lever Arms
Silicon Bronze	875	C87500	B584 B763			QQ-C-390(X1)		Corrosion, Brazing & Welding Applications, Substitute for Tin-zinc Bronzes
Tin Bronze	903	C90300	B584 B763	J461 J462		QQ-C-390(D5)	MIL-C-22229	Bearings & Bushings, Pump Impellers, Piston Rings, Pump Bodies, Valves, Steam Fittings, Gears
	905	C90500	B22 B584 B763	J461 J462	4845	QQ-C-390(D6)		Bearings & Bushings, Pump Impellers, Piston Rings, Pump Bodies, Valves, Steam Fittings, Gears
	907	C90700	B427	J461 J462				Worm Wheels & Gears, Bearings for Heavy Loads & Relatively Low Speeds
	911	C91100	B22					Bridge Plates, Bearings, Bushings, Piston Rings
Aluminum Bronze	952	C95200	B148 B763	J461 J462		QQ-C-390(G6)	MIL-C-22229	Landing Gear Parts, Pickling Tank & Mild Alkali Applications, Marine Engine & Propellers, Acid resisting pumps, Plungers, Bushings
	953	C95300	B148 B763	J461 J462		QQ-C-390(G7)		Gears, Cams, Stripper Nuts, Slippers, High Temperature Applications, Mining Machine Parts, Valve Seats, Guides
	954	C95400	B148 B763	J461 J462		QQ-C-390(G5)		Spur & Low-speed, Heavily Loaded Worm Gears, Nuts Pump & Landing Gear Parts, Valve Guides
	955	C95500	B148 B763	J461 J462		QQ-C-390(G3)	MIL-C-22229	Bushings, Landing Gear Parts, Tank Gun Recoil Mechanisms, Valve Guides & Seats in Aircraft Engines
	958	C95800	B148 B763	J461 J462		QQ-C-390(G8)	MIL-B-22480 MIL-C-22229	Propeller Hub, Blades, Valves, Other parts in Contact with Salt Water