

Copper alloys

People have been working with copper alloys for thousands of years. Copper and copper alloys are well known as top-quality alloys for casting. These alloys are often used when there are special requirements for conductivity, storage qualities or protection from corrosion those other castings alloys cannot provide.

Nickel aluminium bronze

Nickel aluminium bronze is an aluminium bronze that includes nickel for added resistance to corrosion. Its great tensile strength and high resistance to bending and flexing result in high reliability standard and low maintenance costs for saltwater applications.

Nickel aluminium bronze is internationally recognized as the premium alloy for marine propeller blades, propeller hubs, valves and special seawater pumps.

NICKEL -ALUMINIUM BRONZE

Norway NS	Type	Sweden SIS 14....	Denmark DS 3001	Germany DIN 1714	Finland SFS	England BS 1400	USA ASTM B30	EU-EN ISO 1338
NS 16570	Ni-Al bronze	5716	5716	GB CuA110Ni	2212	AB2	C95 800/500	CuAl10Fe5Ni5
NS 16575	Al-bronze	5710		GB CuA110Fe	2211	AB1	C95 200	CuAl10Fe3

Source: Sperre foundries in Scandinavia

Please note that the hardness of the Ni-Al-Bronze is at the level of AISI316 stainless steel. It is by far the hardest Copper Alloy produced for industrial use. / KC, LMPumps.com