

Ready for takeoff

High strength Aluminum Bronze and special copper alloys



Wieland Prometa as part of the Wieland Group stands for quality, reliability and service.

With 200 years of experience, Wieland is specialized in the development, production and distribution of solutions made of semi-finished products in copper based alloys, such as aluminum bronzes. High technical competence, customer-oriented thinking and sustainability have been the basis of the company's success since 1820.

Your benefits

Best in class service

A huge variety of products on stock as well as short lead times make Wieland a reliable partner for short termed demands as well as for strategic aerospace projects.

Highest product performance

Wieland products are known worldwide to be benchmark in performance. Our customers most value the material quality as well as the

excellent machinability of our products. Our products will enable you to meet highest aerospace standards while keeping your businesses efficient.

Broad field of application

High mechanical strength combined with excellent corrosion and wear resistance make our bronze products the material of choice for all bearing and bushing applications with high impact loads (e.g. landing gear applications).

Our Aerospace Grade Products

Besides a wide portfolio of copper based semi-finished products in various dimensions, Wieland Prometa offers aerospace grade tubes and bars in accordance with the following standards:

Aluminum Bronze

Alloy Number	Wieland Alloy	Composition	Temper	Standards
C62300	U40	CuAl8Fe3	HR50/ O30	AMS 4635 ASTM B150
C62400	U18	CuAl10Fe3		ASTM B150
C63000	CW307G	U33	HR50/TQ50	EN 12163 AMS 4640 ASTM B150 LAT-9062
C63020	CW307G CA104	U35	HR50/TQ30	EN 12163 AMS 4590 LAT-9063 BS 2B 23
C63200	U63	CuAl9Ni4Fe3	TQ50	ASTM B150
C95510	U88	CuAl10Ni5Fe2	TQ50	AMS 4880
C95520	U41	CuAl11Ni5Fe4	TQ50	AMS 4881
	U29	CuAl9NiFe		DEF NES 02-833

Tin Bronze

Alloy Number	Wieland Alloy	Composition	Standards
C51000	CW451K	B22	CuSn5 AMS 4625 ASTM B139
C52100	CW459K	B12	CuSn8P PB104 BS B 24, BS 2B 24 NFL 14-703

Additional Alloys

Alloy Number	Wieland Alloy	Composition	Standards
C65620	S52	CuZn3Si3Fe2Mn	AMS 4616 F&G
C70260	CW111C	K52	CuNi2Si CARODUR®-2 NICU102

...Further alloys on request!