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AEROSPACE
ALUMINIUM BRONZES
AND OTHER COPPER ALLOYS



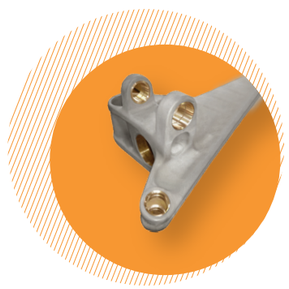
Excellence in Engineered **Alloys**

AMPCO® and AMPCOLOY® alloys for the Aerospace Industry

Standard	Alloy number & designation	AMPCO® Alloy	Tensile Rm, KSI	Tensile Rm, MPa	Yield Rp0.2, KSI	Yield Rp0.2, MPa	Elongation A5 or 4D %	Hardness HB 10/30	Hardness Rockwell	USA	EUROPE	CHINA
AMS 4533 **AMS 4534** **AMS 4535** **AMS 4650** **AMS 4651**	C17200 CuBe2	**AMPCOLOY® 83**	60 to 185 *	413 to 1275 *	20 to 160 *	140 to 1100 *	20% to 4% *	90 to 360 *	45 to 37 *	● ● ◆ ● ●	● ● ◆ ● ●	● ● ◆ ● ●
AMS 4590	C63020 CuAl11Ni5Fe5	**AMPCO® M4**	130 to 135	900 to 930	90 to 100	620 to 690	6	255	26 HRC	◆	◆	◆
AMS 4616	C65620 CuSi3Zn3Fe2	**CuSi3Zn3Fe2**	56	390	20	140	30	90	55 HRB	●	●	●
AMS 4633 **AMS 4634**	C64200 CuAl7Si1.8	**AMPCO® 642**	90	620	50	345	30	166	86 HRB	◆	●	●
AMS 4635	C62300 CuAl10Fe3	**AMPCO® 15**	95	655	50	345	25	174	88 HRB	◆	●	●
AMS 4640	C63000 CuAl10Ni5Fe4	**AMPCO® 45**	100 to 110	690 to 790	50 to 68	345 to 470	10	187 to 241		◆	◆	◆
AMS 4862	C86300 CuAl10Fe3	**AMPCO® 863**	110	760	60	415	14	192	99 HRB	●	●	●
AMS 4880	C95510 CuAl10Ni5Fe3	**AMPCO® 4880**	95 to 105	655 to 725	50 to 62.5	345 to 430	9	187 to 241		◆	◆	◆
AMS 4881	C95520 CuAl11Ni5Fe5	**AMPCO® 4881**	120 to 130	830 to 900	85 to 95	590 to 655	3	255	26 HRC	◆	◆	●
BSB 23 **(DTD 197)**	CuAl11Ni5Fe5 CA104 UA11N	**CuAl11Ni5Fe5**	94 to 101	690 to 760	46 to 58	320 to 400	10	179 to 255		●	●	◆
NFL 14702	CuNi14Al2	**AMPCO® 724**	104 to 113	720 to 780	72 to 86	500 to 590	7 to 10	200 to 215		●	●	●
NFL 14707	CuZn19Al6MnFe	**UZ19Al6**	113 to 120	780 to 830	78 to 85	540 to 590	7 to 10	225		●	◆	◆
ASNA 3405	CuNi2Si	**CuNi2Si**	71 to 94	490 to 650	49 to 86	340 to 590	8 to 10	160 to 195		●	●	●

The above are nominal values. If specific minimum figures are required, please contact your local AMPCO METAL representative.
*** depending on the heat treatment from the soft condition to aging**

◆ **In stock**
● **On request**













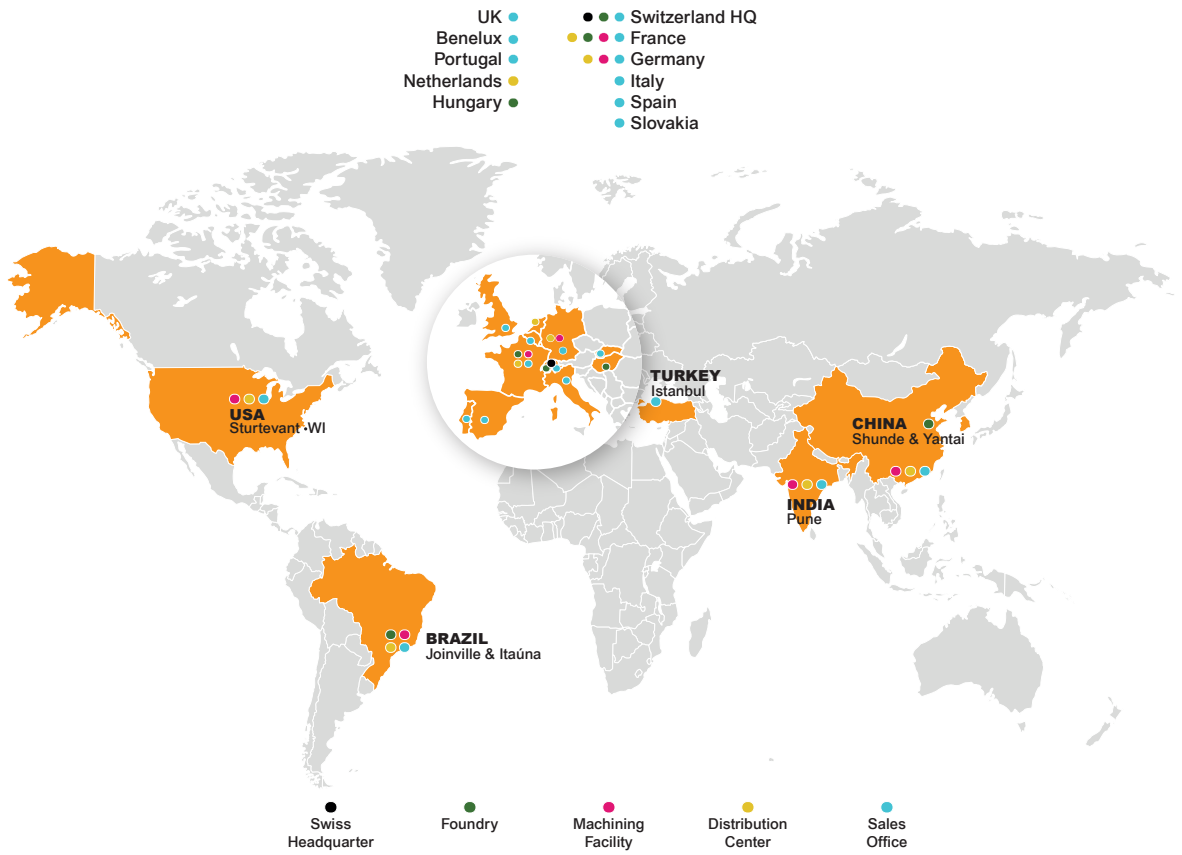
LONG AND SUCCESSFUL ASSOCIATION

AMPCO METAL has a long and successful association with the aerospace sector of the economy. This distinct market position has been achieved through a worldwide network of manufacturing and distribution facilities in Europe, Asia and the Americas. Our distinct line of AMPCO® alloys for the aerospace sector includes a variety of aluminum bronze, manganese bronze and AMPCOLOY® beryllium copper alloys. Our global position of premium bronze and beryllium copper alloys ensures that material is available when and where our aerospace customer base requires them.

MANUFACTURER APPROVALS

Our facilities maintain internationally recognized quality certifications appropriate to their scope of activity, including ISO 9001 and, where applicable, AS 9100/AS 9120. Certification details are available on request from your local site.





HEADQUARTERS

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