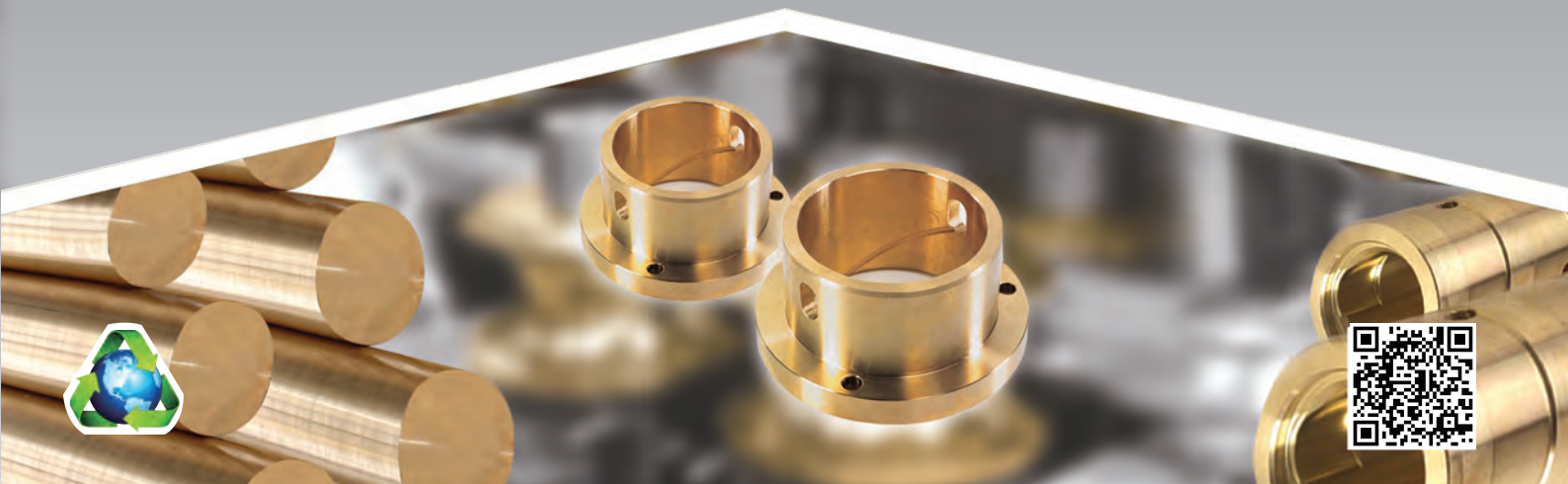
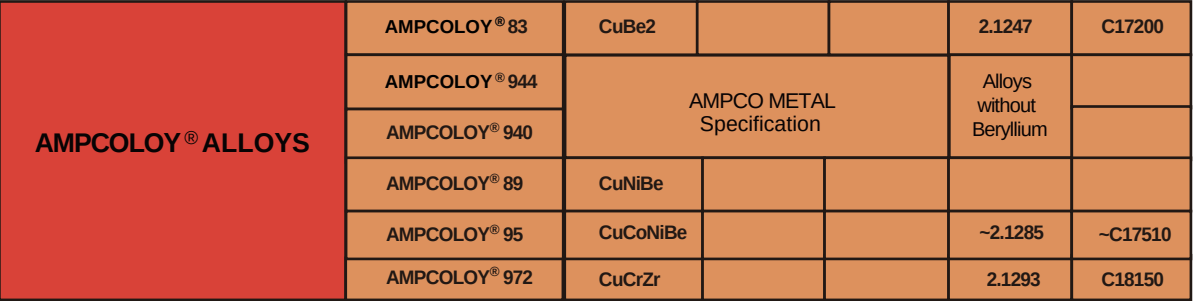
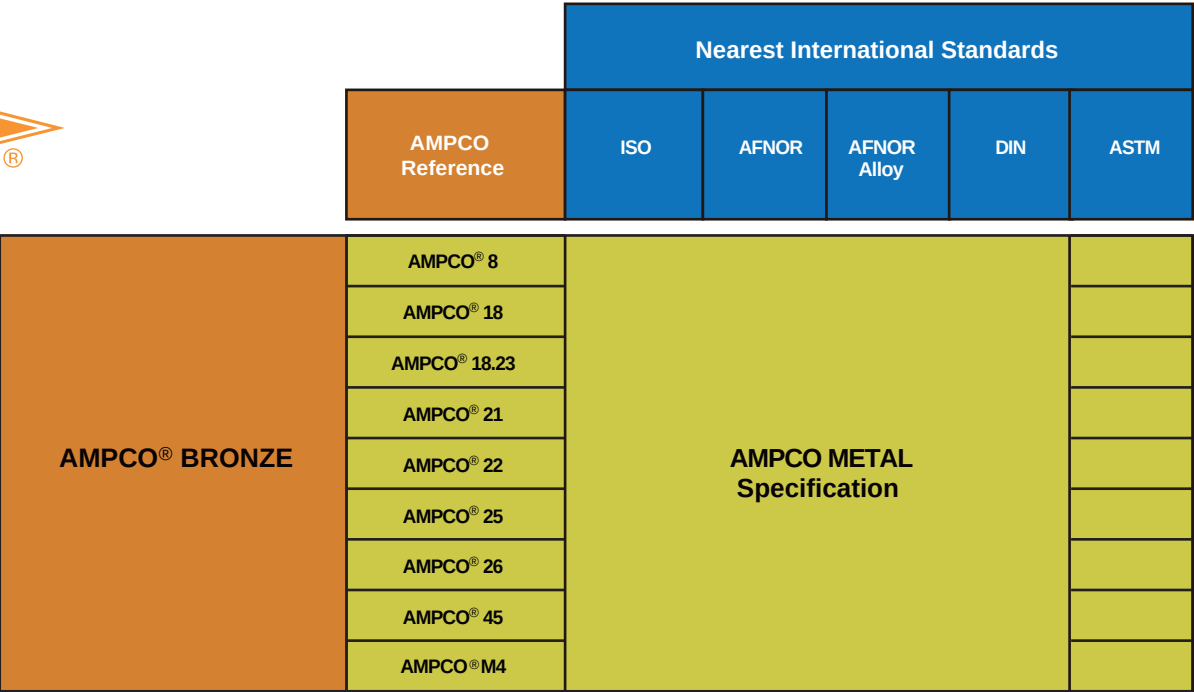




SPECIAL ALLOYS
WEAR, CORROSION RESISTANT &
HIGH CONDUCTIVITY APPLICATIONS



AMPCO METAL **EXCELLENCE IN ENGINEERED ALLOYS**



Nominal Chemical Composition (Remainder Cu)							Mechanical & Physical Properties								Usage Guideline		
Sn	Zn	Pb	Al	Fe	Ni	Mn	D Kg/dm³	Rm MPa	Rp 0,2 MPa	A ₅ %	HBW 10/3000	Thermal Conductivity W/m·K	Linear Expansion Coefficient 10 ⁻⁶ /K	Coefficient of Friction Unlubricated	Need for Lubrication	Average Speed m/s	Average Load MPa
0.25			6,5	2,5			7.95	552	283	40	153	54	16	0.17	Moderate ●	1.5	85
			10,5	3,5			7.45	724	365	14	192	63	16	0.18	Moderate ●	1.5	100
			10,5	3,5			7.45	758	386	16	207	63	16	0.18		1.5	100
			13,1	4,4		2	7.21	758	420	1	286	46	16	0.21		0.7	115
			14,1	4,7		2	7.06	724	427	0.5	332	42	16	0.25	Moderate ●	0.6	120
Proprietary							6.93	R _{mc} 1580	R _{p,0.1} 710	0.2	364	33	16	0.30	Moderate ●	0.5	125
							6.93	R _{mc} 1601	R _{p,0.1} 720	0	420	33	16	0.32	Moderate ●	0.4	130
			10	2,5	5	1.5	7.53	814	517	15	228	46	16.2	0.23	High ●	1.5	90
			10, 5	4,8	5	1.5	7.45	1000	793	8	260/300	42	16	0.23		1	330

Cr	Co	Be	Zr	Ni	Si	Mn						Thermal Conductivity W/m·K			Electrical Conductivity % IACS	RWMA Class
												20 C	100 C	200 C		
	0.5	2					8.26	1310	827	5	360	106	120	135	20%	4
1				7	2		8.7	938	730	5	294	156	170	190	30%	4
0.4				2.5	0.7		8.71	689	517	13	210	208	226	243	48%	3
Co + Ni2		0.5					8.75	740	680	12	230	300	320	340	69%	3
Co + Ni2		0.5					8.75	830	550	10	240	217	235	254	52%	3
>1			>0,10				8.87	520	466	18	151	333	350	367	82%	2

The above values are nominal, if specific minimum figures are required, please contact your local AMPCO METAL representative.



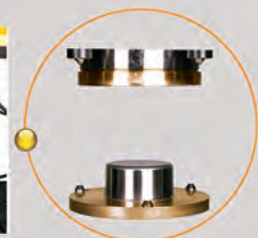
Wear - Resistant Bronzes
Corrosion - Resistant Bronzes

SPECIFY AMPCO® High - Conductivity Alloys



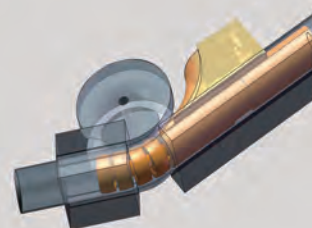
● Deep Drawing

AMPCO® 21/22/25/26



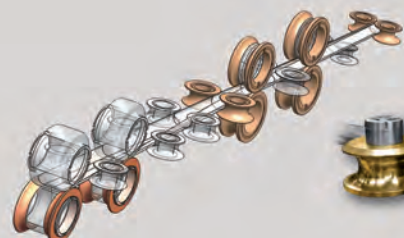
● Tube Bending

AMPCO® 18/21/22/25/M4

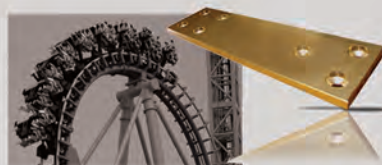


● Tube Forming

AMPCO® 18/21/22/25



● Rollercoasters AMPCO®18/M4

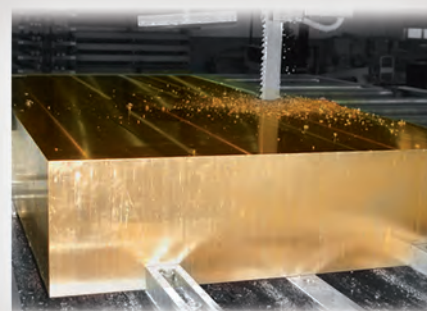


● Steel Mill

AMPCO®18



● General Engineering
AMPCO® 18/21/M4



CORPORATE MISSION STATEMENT:
"Provide customers around the world
with innovative engineered metal
products and services, delivering
exceptional value to their business."

● Welding Materials
AMPCO - TRODE®

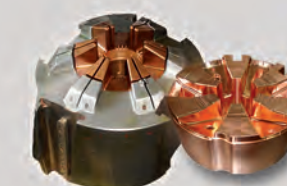


● AMPCO® SAFETY TOOLS



● Plastics Industries

AMPCOLOY® 940/944/83/95



● Aerospace & Offshore AMS 4640/4590/4880/4881



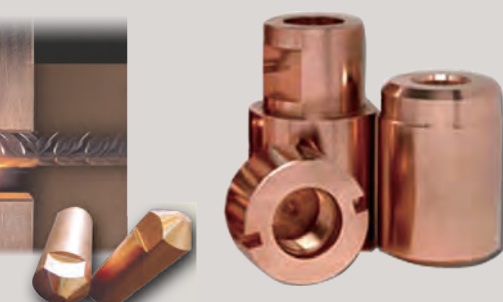
● Die Casting
AMPCOLOY® 940/89/95

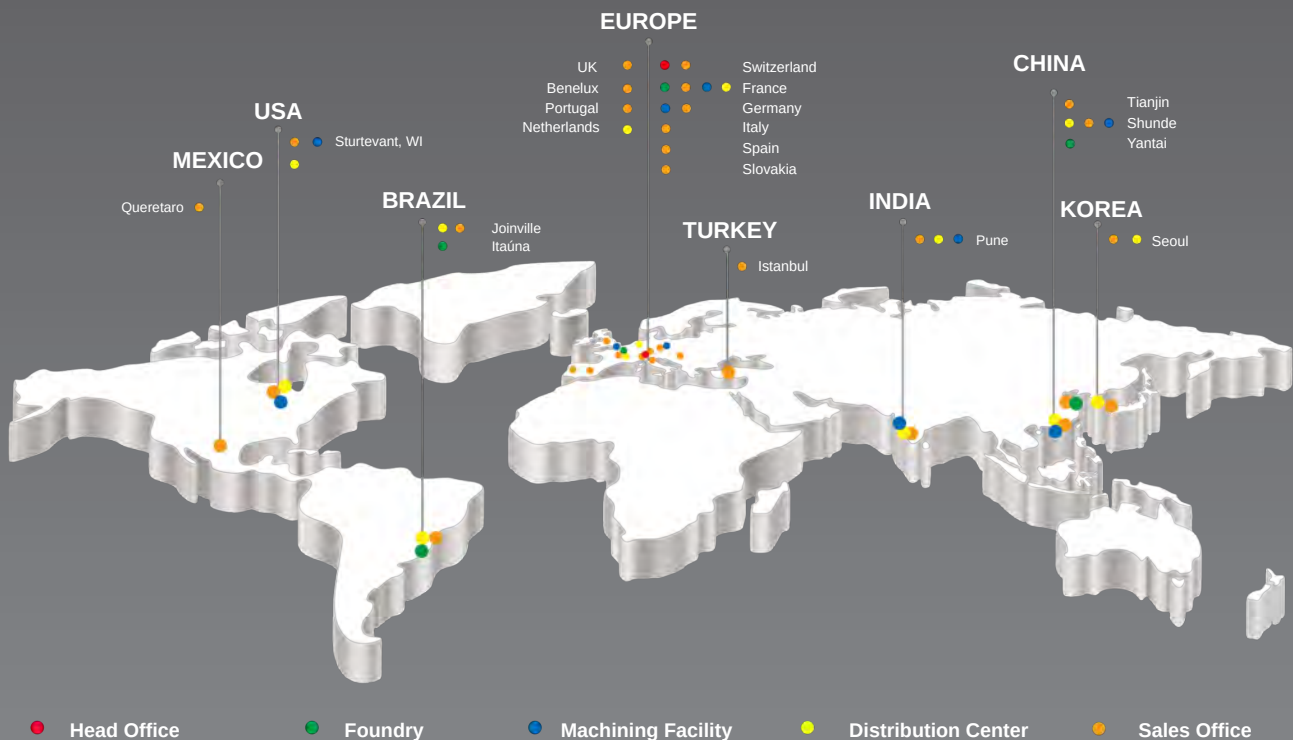


● Soap Mould
AMPCOLOY® 940



● Resistance Welding & Plunger Tips
AMPCOLOY® 972/940/83/95





AMPCO METAL is proud to participate into saving natural resources by using mostly recycled metal!



EUROPE(Headquarters)

AMPCO METAL S.A.

Route de Chésalles 48
P.O.Box 45,1723 Marly
SWITZERLAND
TOLL FREE PHONE: 800 8080 5050
Tel.: + 41 26 439 93 00
Fax: + 41 26 439 93 01
info@ampcometal.com

BRASIL

AMPCO METAL Brasil Ltda.

Rua Dona Francisca 8400 - galpão 2
Zona Industrial Norte
Joinville, SC - 89219 - 600
Tel.: + 55 47 3305 0020
Fax: + 55 47 3305 0021
infobrasil@ampcometal.com

CHINA

AMPCO METAL (Foshan) Co., Ltd

Warehouse 9-1 No 9 Xinyue road
Jinqiao Industrial city, Wusha
Daliang town, Shunde, Foshan
Guangdong Province, P.R.China.
P.C.528333
TOLL FREE PHONE: 4008 899 028
Tel.: + 86 (0) 757 2232 6571
Fax: + 86 (0) 757 2232 6570
infochina@ampcometal.com

INDIA

AMPCO METAL INDIA PVT. LTD.

A-8/4, Village - Nighoje,
Chakan MIDC, Phase IV, Tal : Khed
Pune – 410501, Maharashtra - INDIA
Tel. +91 2135 610 810
Fax. +91 2135 610 811
Infoindia@ampcometal.com

KOREA

AMPCO METAL KOREA Co., Ltd

39, Bucheon-ro 208beon-gil
Bucheon-si, Gyeonggi-do,
Republic of Korea
Tel.: + 82 (0) 31 548 1107
Fax: + 82 (0) 31 548 1108
infokorea@ampcometal.com

U.S.A

AMPCO METAL Inc.

1221 Grandview Pkwy
Sturtevant, WI 53177
Tel.: +1 800 844 6008
Fax: +1 847 437 6008
infousa@ampcometal.com