

Turned parts

Type of alloy EN/ISO designation*	Alloy number EN ASTM		Swissmetal designation Ballar plant Domach plant		Machinability index	Remarks
High-conductivity copper alloys for electrical applications						
CuPb1P	C18700		C99	CuPb1P	70%	Electrical conductivity 85% IACS.
CuTeP	CW118C	C14500	C42		70%	Electrical conductivity 90% IACS.
Leaded brass						
CuZn35Pb2	CW601N	C34500	62A	Ms63Pb2	75%	Machinable and cold formable.
CuZn36Pb3	CW603N	C36000	61A	Ms62Pb	100%	USA standard grade.
CuZn38Pb2	CW608N	C37700	60A	Ms60Pb	85%	Permits some cold forming.
CuZn39Pb3	CW614N	C38500	58A	Ms58Pb	100%	European standard grade.
CuZn39Pb3	CW614N	C38500	58F	Ms59Pb	100%	
Special brasses for special properties						
CuZn16Si2Pb1		C69750	PS2	PS2	90%	Machinability and spring properties.
CuZn37Mn3Al2PbSi	CW713R		58S	SoMs58Al2	75%	Machinability and spring properties.
CuZn40Mn1Pb1	CW720R		58C	DORNA Z	75%	Elevated corrosion resistance.
Nickel silver						
CuNi7Zn39Mn2Pb3	CW400J		NM2	Ns7Mn2Pb	95%	Long-proven machining grade.
CuNi12Zn37Mn6Pb2		C79860	NM6	Ns12MnPb	90%	Improved cold formability.
CuNi10Zn42Pb2	CW402J		N09	Ns10Pb	90%	Alloy with ivory hue.
CuNi15Zn23Pb2			N15		85%	High ductility.
High-strength bronzes						
CuSn4Pb4Zn4	CW456K	C54400	BZ4		90%	High-strength machinable bronze.
CuSn5Pb1	CW458K	C53400	BP5		60%	Mechanical strength and corrosion resistance.
CuSn13Pb0.5		C53800	B05	B05	80%	Spring contacts and extreme mechanical strength.

* ISO designations are given for alloys not covered by EN standards.

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