

Alloys

Material Designation		Chemical Composition in % (m/m)															Density ¹ g/cm ³
Symbolic	Numerical	elemento	Cu	Al	As	C	Co	Fe	Mn	Ni	P	Pb	S	Sn	Zn	total others	approx.
Cu-DHP	CW024A	min.	99.9 ²	–	–	–	–	–	–	–	0,015	–	–	–	–	–	8,9
		max	–	–	–	–	–	–	–	–	0,040	–	–	–	–	–	–
CuAl5As ³	CW300G ³	min.	Rest	4,0	0,1	–	–	–	–	–	–	–	–	–	–	–	8,2
		max	–	6,5	0,4	–	–	0,2	0,2	0,2	–	0,02	–	0,05	0,3	0,3	–
CuNi10Fe1Mn ³	CW352H ³	min.	Rest	–	–	–	–	1.0 ⁵	0,5	9,0	–	–	–	–	–	–	8,9
		max	–	–	–	0,05	0.1 ⁴	2.0 ⁵	1,0	11,0	0,02	0,02	0.05 ⁶	0,03	0.5 ⁶	0,2	–
Cuni30Fe2Mn2 ³	CW353H ³	min.	Rest	–	–	–	–	1,5	1,5	29,0	–	–	–	–	–	–	8,9
		max	–	–	–	0,05	0.1 ⁴	2,5	2,5	32,0	0,02	0,02	0.05 ⁶	0,05	0.5 ⁶	0,2	–
CuNi30Mn1Fe ³	CW354H ³	min.	Rest	–	–	–	–	0,4	0,5	30,0	–	–	–	–	–	–	8,9
		max	–	–	–	0,05	0.1 ⁴	1,0	1,5	32,0	0,02	0,02	0.05 ⁶	0,05	0.5 ⁶	0,2	–
CuZn20Al2As ³	CW702R ³	min.	76,0	1,8	0,02	–	–	–	–	–	–	–	–	–	Rest	–	8,4
		max	79,0	2,3	0,06	–	–	0,07	0,1	0,1	0,01	0,05	–	–	–	0,3	–
CuZn28Sn1As	CW706R	min.	70,0	–	0,02	–	–	–	–	–	–	–	–	0,9	Rest	–	8,5
		max	72,5	–	0,06	–	–	0,07	0,1	0,1	0,01	0,05	–	1,3	–	0,3	–
CuZn30As	CW707R	min.	69,0	–	0,02	–	–	–	–	–	–	–	–	–	Rest	–	8,5
		max	71,0	0,02	0,06	–	–	0,05	0,1	–	0,01	0,07	–	0,05	–	0,3	–

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¹ Only for information																	
² Including silver, up to a maximum of 0.015%.																	
³ These alloys may be used in marine environments.																	
⁴ Cobalt max. 0.1%, is counted as Ni.																	
⁵ For applications in marine environments, composition limits must be subjected to agreement between client and supplier.																	
⁶ If purchaser specifies that product must be subsequently welded, the following limits may not be exceeded: Zn max. 0.2%																	