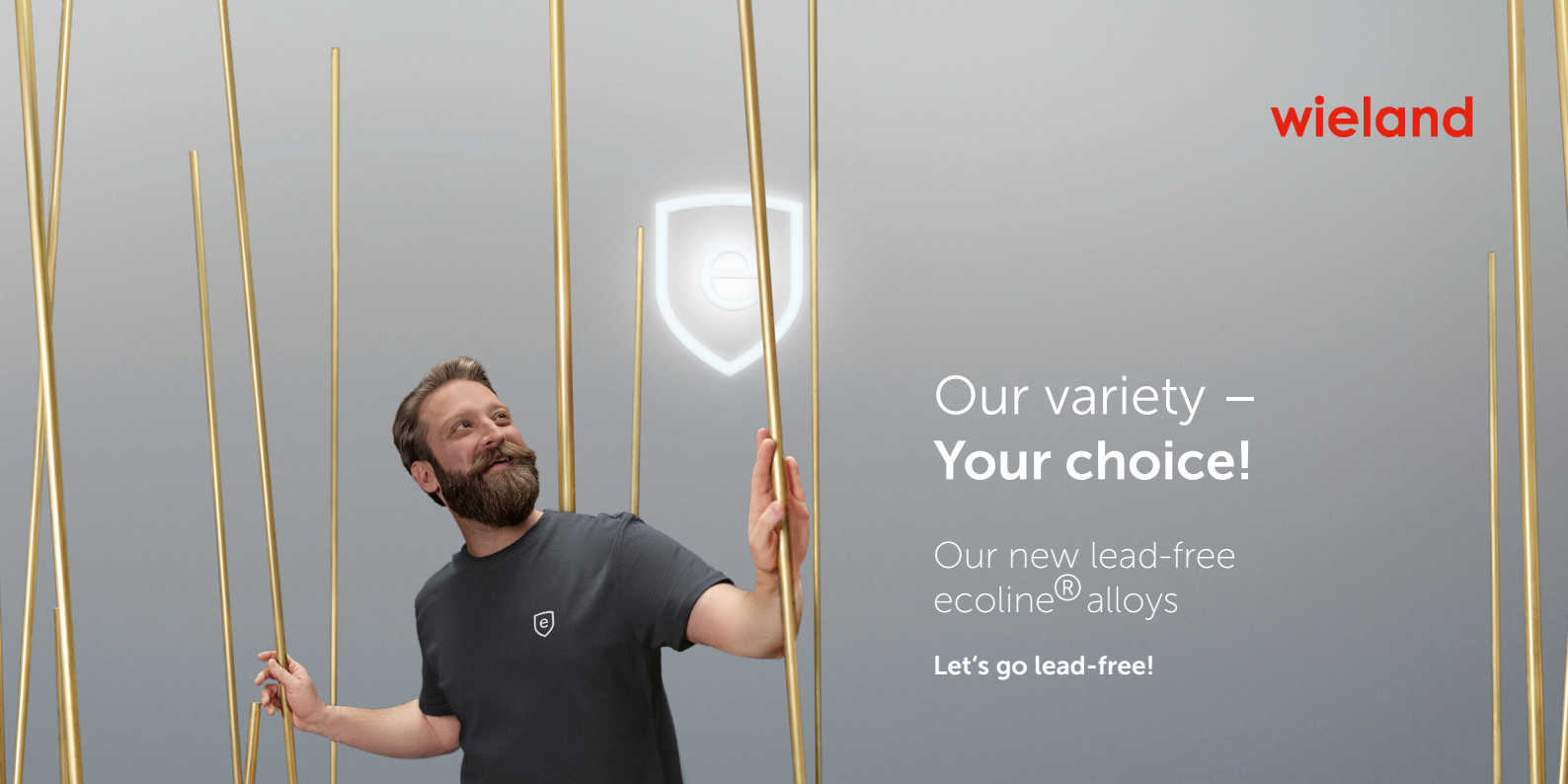




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Our variety –
Your choice!

Our new lead-free
ecoline[®] alloys

Let's go lead-free!

ecoline®	EN designation	EN Nr.	UNS Nr.	Lead content [%]	Machinability [%]	Cold forming	Hot forming	IACS [%]	Application    	possible substitute for...	Regulations
eco SW1	CuZn21Si3P	CW724R	C69300	≤ 0.09	90	good	very good	7.8		Z45 - CW602N - C35330	RoHS, ELV, DWD, SDWA
eco SW3	CuZn21Si3P-C-GC	CC768S	C87850	≤ 0.09	80			7.8		GD1 - CC499K	DWD, SDWA
ecobrass SW4	CuZn21Si3P	CW724R	C69305	≤ 0.09	90	good	very good	7.8		Z45 - CW602N - C35330	DWD, SDWA
eco SW5	CuZn21Si3P	CW724R	C69300	≤ 0.05	90	good	very good	7.8		Z33 - CW614N	REACH Annex 17
eco SZ2	CuZn36Si1P (Globrass)	CW726R	C68370	≤ 0.1	85	average	very good	16		Z33/Z41/Z48 - CW614N, CW617N - C38500	RoHS, ELV, DWD
eco SZ3	CuZn40SiP	CW728R	C68330	≤ 0.1	90	less suitable	very good	23		Z33/Z41/Z48 - CW614N, CW617N - C38500, Z23- CW603N - C36000	RoHS, ELV, DWD, SDWA
eco SZ4	CuZn42	CW510L	C28500	≤ 0.1	85	less suitable	very good	25		Z33/Z41/Z48 - CW614N, CW617N - C38500, Z23- CW603N - C36000	RoHS, ELV, DWD, SDWA
eco SZ5	CuZn40	CW509L	C27450	≤ 0.1	75	average	good	25		Z29 - CW612N - C37700, Z12 - CuZn35Pb2 - C34200/C34500, Z23- CW603N - C36000	RoHS, ELV, DWD, SDWA
eco ST2	CuZn35Sn1P	CW727R		≤ 0.1	50	good	average	26		Z45 - CW602N - C35330	DWD, SDWA
eco ST3	CuZn29Si1SnP	CW729R		≤ 0.1	70	good	good	12		Z45 - CW602N - C35330	DWD
eco ST4	CuZn42	CW510L		≤ 0.2	90	less suitable	very good	25		Z33/Z41/Z48 - CW614N, CW617N - C38500	DWD, SDWA, Blei max. 0,2%
eco M43	CuZn38As	CW511L	C27450	≤ 0.1	50	good	good	25		Z45 - CW602N - C35330	DWD, SDWA
eco GS1	CuSn4Zn2PS-C-GC	CC470K		≤ 0.09	70			20		GD1 - CC499K	DWD, SDWA
eco SX1	CuZn31Mn2SiAl			≤ 0.1	70	good	very good	17		S40 - CW713R - C67420	ELV
eco SD4	CuZn37Mn3Al2Si			≤ 0.1	45	less suitable	very good	13		S40 - CW713R - C67420	ELV
eco BS4	CuSn5NiPS			≤ 0.1	70	good	less suitable	14.7		B44 - CC499K - C54400	RoHS
eco KS2	CuSP	CW114C	C14700	≤ 0.1	80	very good	average	90		KC1 - CW113C - C18700	RoHS
eco KS4	CuNi1SP			≤ 0.1	70	good	average	50		K41 - C19150, C19160	RoHS
eco M58	CuZn42	CW510L		≤ 0.009	50	less suitable	very good	24			REACH Annex 17, CPSIA
eco N59	CuNi9Zn41FeMn			≤ 0.1	50	average	good	10		N48 - CW407J	RoHS, ELV

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 Corrosion res. ISO 6509