READY FOR THE FUTURE OF DRINKING WATER

eZeebrass – the innovative lead-free standard brass sets new standards

Thanks to its optimized composition, eZeebrass meets the highest requirements for machinability and processing. By incorporating magnesium as a chip breaker, eZeebrass produces short, easily manageable chips in machining and processing operations—fully automated and lead-free!

With a copper content of 58% in the alloy, eZeebrass serves as the foundation for an economical transition to a lead-free world.

The alloy variant eZeeDZR combines the excellent machinability of eZeebrass with dezincification resistance in accordance with DIN EN ISO 6509.

It's eZee!

eZee brass

eZee dzr

Cuphin – The Versatile Material Family for Installation Applications

The Cuphin material family has been an outstanding solution for a wide range of installation applications for years. Different Cuphin variants offer application-specific property profiles.

Well-known but Lead-free – CuZn42 and CuZn38As

The portfolio is completed by the standardized material CuZn42 (CW510L-DW), available in both a lead-free and a low-lead version. As a dezincification-resistant material in this product family, we offer CuZn38As. However, the machinability of these alloys cannot be compared to eZeebrass and Cuphin.

CUPHIN®

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WE GET METAL INTO SHAPE

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LEAD-FREE VARIETY

ALLOY PORTFOLIO FOR ALL DRINKING WATER APPLICATIONS

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DIVERSE SOLUTIONS.
EVERYTHING LEAD-FREE.

	DIN EN Symbol	DIN EN UNS	Wt-% Cu	Wt-% Pb	Chip breaking element	Machinability %	Cold forming	Hot forming	Strength	DZR	Approval 4MSI/EUPL
eZeebrass alloy 001	CuZn41Mg	CW732R-DW C49400	58	≤0.10	Mg: 0.4 %	85-95	●●○○	●●●●	●●○○	--	✓ / 2027
eZeeDZR alloy 401	CuZn35MgPAs	CW733R C49500	64	≤0.10	Mg: 0.1-0.3 %	70-90	●●●○	●●○○	●●○○	acc. to ISO 6509	expected 2026 / 2027
Cuphin alloy 430	CuZn21Si3P	CW724R-DW C69300	76	≤0.10	Si: 3.3 %	90-100	●●○○	●●●○	●●●●	acc. to ISO 6509	✓ / ✓
Cuphin alloy 434	CuZn21Si3P	CW724R-DW C69305	76	≤0.10	Si: 2.8 %	85-100	●●○○	●●●○	●●●○	acc. to ISO 6509	✓ / ✓
Cuphin alloy 330	CuZn21Si3P	CW724R-DW C69300	76	≤0.10	Si: 3.0 %	90-100	●●○○	●●●○	●●●●	acc. to ISO 6509	✓ / ✓
Cuphin alloy 432	CuZn21Si3P	CW724R-DW *(CC768S)* C69300 *(C87850)*	76	≤0.10	Si: 3.3 %	85-95	●●○○	●●●○	●●●●	acc. to ISO 6509	✓ / ✓
alloy 58	CuZn42	CW510L-DW	58	≤0.10	--	65-80	●●○○	●●●○	●○○○	--	✓ / ✓
alloy 62	CuZn38As	CW511L-DW	63	≤0.1	--	40-50	●●●○	●●●○	●○○○	acc. to ISO 6509	✓ / 2027
alloy 57*	CuZn42	CW510L-DW	58	≤0.20	--	70-85	●●○○	●●●○	●○○○	--	✓ / ✓

*According to REACH definition not lead-free, but low-lead.

Find more details and much more on our website.