

NICKEL SILVER CUNI18ZN29

DIN 2.0740	En Nr. CW409J	UNS (ASTM) C76400			AISI -			
Chemical composition (Weight %)	Cu 60-63	Fe 0.3	Mn 0.5	Ni 17-19	Pb 0.03	Sn 0.03	Zn Balance	Autre 0.2
Main technological properties	<p>Nickel silver CuNi18Zn20 provides good resistance to atmospheric corrosion, organic compounds as well as neutral and alkaline saline solutions. It is poorly resistant to oxidizing acids. The alloy has excellent cold forming properties, on the other hand, its hot formability is limited.</p> <p>Nickel silver CuNi18Zn20 can be easily polished or plated and can be brazed or welded.</p>							
Typical dimensions	Thickness (mm)			Width (mm)		Length (mm)		
	Strip in coil			0.10 – 0,50		300-330		-
	Strips in sheet			0,80/1/1.20		330		2000
Mechanical properties	Temper H160 hard	Rm (N/mm ²) 610-700		Rp0.2 (N/mm ²) min. 500		A50mm (%) 2		Hv (N/mm ²) 160-190
Color	silver							
Typical usage	<p>Nickel silver is mainly used for the</p> <ul style="list-style-type: none"> ✓ fabrication of connectors ✓ relay springs ✓ optical and watch making industry ✓ various parts for precision, electronic as well as optical instruments ✓ parts made by stamping, folding or bending and cutting 							
Surface	Special surface qualities upon request							
Flatness	Special requirement on the longitudinal or transversal flatness upon request							

