

BRASS CuZn37

DIN ~2.0321	En Nr. ~CW508L	UNS (ASTM) ~C27200	AISI -					
Chemical composition (Weight %)	Zn Balance	Cu 62.0-65.5	Ni ≤ 0.30	Pb ≤ 0.1	Fe ≤ 0.1	Sn ≤ 0.1	Al ≤ 0.05	Autres ≤ 0.10
Main technological properties	The brass CuZn37 is sensitive to the stress-corrosion cracking, a cracking process that requires the simultaneous action of a corrosive agent (in ammoniacal atmosphere, for example) and sustained tensile stress. The stresses may be significantly below the yield strength of the material, and can be residual or applied. Moreover, it should be noted that as the zinc content rises, the inclination to stress corrosion cracking increases. To reduce this risk of corrosion, a stress relieving annealing is frequently done.							
Typical dimensions	Thickness (mm)		Width (mm)		Length (mm)			
	Strip in coil	0.05 – 0,30	300-330		-			
	Strips in sheet	0,40-2,00	1000		2000			
Mechanical properties	Temper H350 hard (172H)	Rm (N/mm ²) 240-300	Rp (N/mm ²) min. 180		A50mm (%) min. 8	Hv -		
Color	yellow							
Typical usage	Brass is mainly used for the <ul style="list-style-type: none"> ✓ needles ✓ wheels, dials, etc. ✓ for the watch industry ✓ contact parts in relays ✓ stamped-rolled connectors, ✓ deep drawing parts 							
Surface	Special surface qualities upon request							
Flatness	Special requirement on the longitudinal or transversal flatness upon request							

