



SWISS MADE PRECISION INSTRUMENTS
100% MANUFACTURED IN SWITZERLAND



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MATERIAL TECHNICAL DATASHEET

BRASS (Cu Zn 37) (BRA)

Material number CW508L

COMPOSITION

	Cu	Zn	Addition
Wt %	62-64	Rest	-

MECHANICAL PROPERTIES AT AMBIENT TEMPERATURE

Hardness rockwell HV	95-125
Tensile strength (N/mm ²)	350-440
0.2 % Yield stress (N/mm ²)	Min. 170
Elongation after fracture (L ₀ = 5d ₀)	19%-28%

PHYSICAL PROPERTIES

Density (20 °C) Kg/dm ³	8.44
Specific heat (20 °C) J/(g·K)	0.38
Heat conduction (20 °C) W/(K·m)	120
Electric resistance (20 °C) (Ω·mm ²)/m	0.066
Modulus of elasticity (20 °C) KN/mm ²	110

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Technical information are provided to the best of Regine Switzerland SA knowledge and average values obtained from laboratory's test made on the material.

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