



SWISS MADE PRECISION INSTRUMENTS
100% MANUFACTURED IN SWITZERLAND



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MATERIAL TECHNICAL DATASHEET

BRONZE (Cu Su 8) (BRO)

Material number CW453K

COMPOSITION

	Cu	Sn	P
Wt %	Rest	7.5-8.5	0.01-0.4

MECHANICAL PROPERTIES AT AMBIENT TEMPERATURE

Hardness rockwell HV	170-120
Tensile strength (N/mm ²)	540-630
0.2 % Yield stress (N/mm ²)	Min. 460
Elongation after fracture (L ₀ = 5d ₀)	13%-15%

PHYSICAL PROPERTIES

Density (20 °C) Kg/dm ³	8.79
Specific heat (20 °C) J/(g·K)	0.377
Heat conduction (20 °C) W/(K·m)	67
Electric resistance (20 °C) (Ω·mm ²)/m	0.133
Modulus of elasticity (20 °C) KN/mm ²	109

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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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