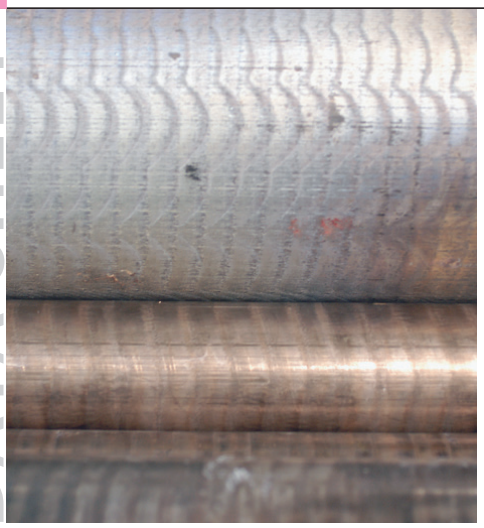
DATA SHEET

Cu Sn7 Zn4 Pb7-C (RG7) | Round bars



Alloy	Cu Sn 7 Zn 4 Pb 7-C, CC493K, 2.1090
Condition	GC, continous cast, rough
Norm	DIN EN 1982
Tolerance	< Ø 97 mm: +0,6/-0 mm Ø 102-193 mm: +1/-0 mm > Ø 202 mm: +2/-0 mm
Machinability	very good
Sliding properties	good
Corrosion resistance	good
REACH	information obligations relative to SVHC lead
RoHS	not conform

Mechanical Properties

	Tensile strength R_m	Yield stress $R_{p\,0,2}$	Elongation A	Hardness HB
	≥ 260 N/mm²	≥ 120 N/mm²	≥ 12 %	≥ 70

Commonest, low-budget gun metal alloy for slide bearings. Still has good dry-running properties and sufficient wear resistance at medium hardness. Also suitable when unhardened shafts and light edge pressure are being used. Short-chipping material, good machinability, good corrosion resistance (even in seawater), soft solderable and to a limited extent hard solderable. The main areas of application are slide bearings and bearing bushings for general mechanical engineering.

Chemical Analysis

Cu	81.0 - 85.0 %
Pb	5.0 - 8.0 %
Sn	6.0 - 8.0 %
Ni	max. 2.0 %
Zn	2.0 - 5.0 %
Si	max. 0.01 %
P	max. 0.1 %
Fe	max. 0.2 %
Al	max. 0.01 %
S	max. 0.1 %
Sb	max. 0.3 %

Comparable Specifications

Cu Sn 7 Zn Pb, 2.1090, DIN 1705 (Rg 7)
C 93200 UNS

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