

Wieland-G21 CuSn10Pb10-C-GC

Slide Bearings

Wieland

Wieland-G21:

Resists heavier loads than G22,
good dry running properties.
Good resistance to corrosion.

Composition (standard values)

Sn	10 %
Pb	10 %
Ni	1 %
Cu	balance

Material designation

Wieland	G21
EN	1982 : 1998

Physical properties

(standard values)

Density	[g/cm ³]	9.0
Coefficient of thermal expansion (20-300 °C)	[10 ⁻⁶ /K]	18.7
Thermal conductivity	[W/m · K]	50
Modulus of elasticity (20 °C)	[GPa]	85

Max. load

Oscillating bearing up to 50 MPa

Types available

Machined bushings

Tube dimensions for machined bushings

Continuously cast
OD up to 200 mm above please enquire

Mechanical properties (standard values)

Temper

Hardness	[HB]	85
Tensile strength R _m	[MPa]	290
0.2 %-proof stress R _{p0.2}	[MPa]	180
Elongation A	[%]	16

1 MPa = 1 N/mm²

Wieland

Wieland-Werke AG
D-89070 Ulm
Phone: 7 31-944-0
Fax: 7 31-944-28 71
e-mail: info@wieland.de
<http://www.wieland.com>

This leaflet is for your general information only and is not subject to revision. No claims can be derived from it unless there is evidence of intent or gross negligence. The data given are no warranty that the product is of a specified quality and they cannot replace expert advice or the customer's own tests.

0799Fd