

# Wieland-G14 CuSn14-C-GC

## Slide Bearings

# Wieland

### Wieland-G14:

Hardness increases with the tin content and with it the brittleness. Resists heavier loads than G12.

### Composition (standard values)

Sn	13.5 %
Pb	0.7 %
Cu	balance

### Material designation

Wieland	G14
DIN	no longer standardized (former standard 1705)

### Physical properties

(standard values)

Density	[g/cm <sup>3</sup> ]	8.8
Coefficient of thermal expansion (20-300 °C)	[10 <sup>-6</sup> /K]	18.5
Thermal conductivity	[W/m · K]	46
Modulus of elasticity (20 °C)	[GPa]	92

### Max. load

Oscillating bearing	100 N/mm <sup>2</sup>
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### 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]	120
Tensile strength R <sub>m</sub>	[MPa]	330
0.2 %-proof stress R <sub>p0.2</sub>	[MPa]	250
Elongation A	[%]	8

1 MPa = 1 N/mm<sup>2</sup>

# **Wieland**

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