

# Wieland-G07 CuSn7Zn4Pb7-C-GC Slide Bearings

# Wieland

## Wieland-G07:

Medium-hard bearing alloy. Good sliding properties, good dry-running properties. Less expensive than other cast alloys.

Applications: Mower arm joints, guide bushings for hydraulic cylinders, machinery in general.

## Composition (standard values)

Sn	7 %
Pb	7 %
Zn	4 %
Cu	balance

## Material designation

Wieland	G07
EN	1982 : 1998

## Physical properties

(standard values)

Density	[g/cm <sup>3</sup> ]	8.9
Coefficient of thermal expansion (20-300 °C)	[10 <sup>-6</sup> /K]	18.5
Thermal conductivity	[W/m · K]	63
Modulus of elasticity (20 °C)	[GPa]	93

## 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 <sub>m</sub>	[MPa]	320
0.2 %-proof stress R <sub>p0.2</sub>	[MPa]	170
Elongation A5	[%]	30

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

# **Wieland**

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

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