



WB1002

- ✓ High load capacity
- ✓ Can be used in demanding environments in many applications
- ✓ Excellent lubrication properties that reduce maintenance

With the introduction of WB1002, we are now able to complete our product range for D&E. This addition ensures that we have a suitable option for every requirement level and variety within the wrapped bronze product category, providing our customers with a comprehensive and tailored solution for their needs.

TECHNICAL DATA

Material:	Cu 92,1% Sn 7,33%, P 0,11%
Hardness HB:	130-160
Friction μ :	0.06 - 0.08, with a mean value of 0.07
Lubrication:	Grease/Oil

BENEFITS:

- Can tolerate high loads and blows
- Works well, even in dirty environments
- The lubrication depots, which perforate the bearing surface, give excellent lubricating characteristics
- Good thermal dissipation
- A broad range of dimensions is held in stock

TYPICAL APPLICATIONS:

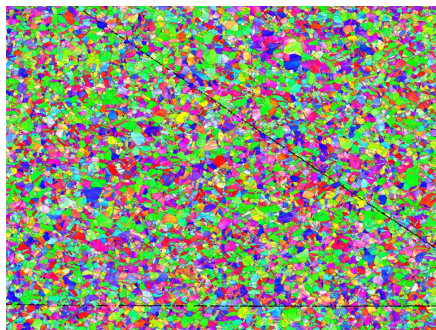
- Forestry Machinery
- Agricultural Machinery
- Mining Machinery
- Trucks
- Dumpers
- Truck Mounted Cranes
- Truck Platforms

MICROSTRUCTURE – EBSD MAPPINGS

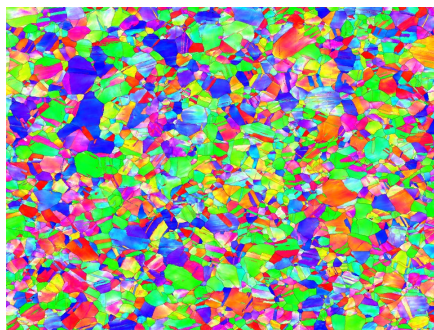
The performance and durability of a sliding bearing essentially depend on its microstructure. The tight microstructure, where the material structure is compact and uniform, withstands the load without significant deformations. Similarly, an uneven microstructure with large grains can lead to rapid wear, as we noticed in our tests with a competitor's product, whose larger grain size can consume up to 50% of the service life in the very first use.

The hardness of the bearing is not the primary factor – the most important thing is long service life and low friction, which often go hand in hand.

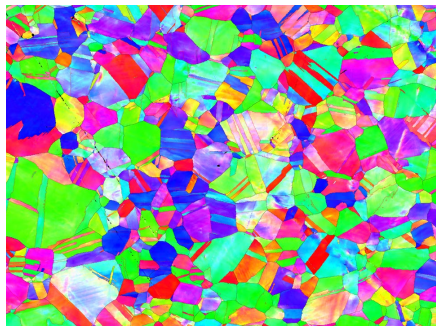
WB802 (Grain size 0.5–8 μm)



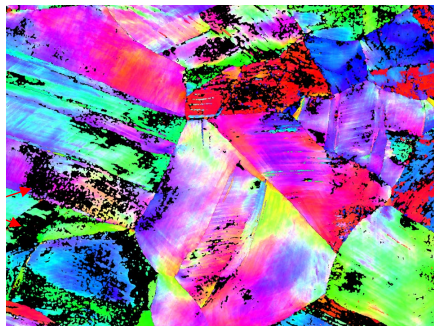
WB1002 (Grain size 1–20 μm)



WB702 (Grain size 10–50 μm)



Competitor (Grain size 30–130 μm)



With the WB1002, we now have a full range for all applications. For specific dimensions and details, please contact our Sales.