

TECHNICAL DATA

Standards

Bearing Metal Alloy

EN ISO 3677 :	S-Sn89Sb7.5Cu3.5
ASTM B32 :	SnSBCu

General Properties

DSI M Tin Sn89Sb7.5Cu3.5 is a lead free solder alloy composed of tin, antimony and copper. It is commonly used for the production and refurbishment of radial/axial plain bearings, segment and connecting rod bearings, planetary bolts and bushes. It has a very good emergency running properties (low static friction, good impact resistance). Suitable for medium and high sliding speeds, medium static load capacity. It has a good resistance to vibrations, alternating bending stresses and on top it's low sensitivity to edge pressure.

Mechanical Properties

Flexural strength	[MPa] / [N/mm ²]	+/- 29
Tensile strength R _m	[MPa] / [N/mm ²]	77
Hardness at 20 °C	[HB]	22

Chemical Composition (Standard Values in %)

Sn (Tin)	Sb (Antimony)	Cu
89 (%)	7.5 %	3.5

Filed of applications (Selection)

Babbitt bearing repair / Steam- Gas Turbines / Motors / Generators / Transformers
Gear Boxes Rolling Mill Bearings / Automotive electronic components

Packaging and available Sizes*

Spool : SH253	Ø mm	2.0
Rod : 500 / 1000 mm	Ø mm	N.A.

* Other dimensions available on request

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