SAE660
Technical Datasheet

Bronze Alloy

Typical Applications
- General purpose bushes & bearings
- Automotive fittings
- Thrust washers
- Fittings
- Valve & slide seating rings
- Hydraulics
- Bearings for lifting tackle
- Fuel & water pump bushings

Product Description
SAE660 is a leaded continuously cast copper based alloy that is suitable for a variety of applications that are under medium loads whilst using adequate lubrication. This alloy offers good sliding and dry running properties and is not subject to dezincification. It also has a reasonable resistance to brine making it suitable for pump and valve components.

Key features
- A versatile bronze that can be used in many applications
- Excellent machining properties
- Used in bushes and bearings under medium loads
- Good wear resistance
- Excellent anti-friction qualities
- Higher running speeds

Weldability
Not suitable for welding but is soft-solderable and to some extent also brazable.

Availability
Round bar, hollow bar, flat bar, plate.

Cut to size capability
There are thirty power saws within the Smiths group including a fully automated magazine feed CNC rod blanking line. We can economically cut from one off blanks to the largest production run for immediate or just in time deliveries.

Related material specifications
- SigmaBronze 7
- C93200
- BS1400 LB4

Chemical Composition (weight %)

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<th>Cu</th>
<th>Al</th>
<th>Sb</th>
<th>Fe</th>
<th>Pb</th>
<th>Ni</th>
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<th>Si</th>
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Mechanical Properties (minima all sizes continuous cast)
- UTS: 205 N/mm²
- 0.2% Proof Strength: 100 N/mm²
- Elongation: 15%
- Hardness: 70 HB

Corrosion Resistance
Reasonable corrosion resistance

Machinability
Excellent

Technical Assistance
Our knowledgeable staff backed up by our resident team of qualified metallurgists and engineers, will be pleased to assist further on any technical topic.

www.smithmetal.com  sales@smithmetal.com

<table>
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