



THAMES
STOCKHOLDERS

SigmaBronze 7™

LEADED BRONZE ALLOY

Page: 1 of 1



Product Overview

SigmaBronze 7 is a viable alternative to SAE660 in many applications because of its availability in metric sizes.

Like SAE660, the alloy is a leaded, continuously cast copper-based alloy suitable for applications under medium load whilst using adequate lubrication. SigmaBronze 7 is not subject to dezincification and provides good sliding and dry running characteristics. The material finds use in applications such as pump and valve manufacture since it offers good brine resistance.

Availability:

- Bar, tube & flat bar

Applications

- Automotive fittings
- Fuel & water pump bushes
- Hydraulics, bearings for lifting tackle, thrust washers
- Pump & valve components

Key Features

- Good wear resistance
- Excellent machining & anti-friction qualities
- Versatile with a broad range of uses
- Available in metric sizes

Chemical Composition (weight, %)

	Cu	Al	Fe	Ni	P	Pb	Si	Sn	Zn	S	Sb	
Min.	81.00					5.00		5.20	2.00			
Max.	85.00	0.01	0.20	2.00	0.10	8.00	0.01	8.00	5.00	0.10	0.30	

Mechanical Properties (actual properties according to specification chosen)

Hardness Brinell	70 min.
Tensile Strength (N/mm ²)	260 min.
Yield Point (N/mm ²)	120 min.
Elongation at break (%)	12 min.

Material Specifications: BS1400 LB4 , SAE660, SigmaBronze 7



Thames Stockholders

Unit 5W, Woodall Road, Redburn Industrial Estate
Ponders End, Enfield, Middlesex EN3 4LQ

Tel: +44 (0)20 8805 3282



SCAN ME



sales@thamesstock.com



www.thamesstock.com

All information in our data sheet is based on approximate testing and is stated to the best of our knowledge and belief. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of trading.