



Overview

A nickel aluminium bronze used typically for parts requiring a combination of high strength and hardness with some ductility and toughness but not limited to such applications.

Industry Specifications

- UNS C63020
- AMS 4590
- Werkstoff Nr. 1.4534/1.4548

Material may also be released to customer specifications, subject to enquiry.

Chemical Analysis

Typical analysis:

	Al	Mn	Si	S	Ni+Co	Cu	Fe	-
Min	10.0	-	-	-	4.2	-	4.0	%
Max	11.0	1.5	-	-	6.0	-	5.5	%

Mechanical Properties

Typical properties in the annealed condition:

Tensile Min MPA	Yield (0.2% offset), Min MPA	Elongation in 2" or 4D min%	Hardness Min HRC
896	655	6	26

All material we supply has full traceability with inspection certification in accordance with BS EN 10402 3.1. We can supply material with BS EN 10402 3.2 inspection certification on request. We have onsite PCN and SNT Level III inspectors who can test material to your requirements. All information included in this sheet is intended as a guide only and is correct to the best of our knowledge.