

## AMETAL C, bar, dezincification resistant brass alloy

Holder/Issued to

**IMI Hydronic Engineering AB**

524 80 Ljung, Sverige

Organisationsnummer/VAT nummer: 556033-6256

Phone: 0513-540 00, Fax: 0513-508 44.

Web: [www.imi-hydronic.com](http://www.imi-hydronic.com)

**Product description**

Dezincification resistant brass alloy AMETAL C in bars for machining or hot stamping.  
The alloy is intended for use in tap water products.

Chemical composition of the alloy (percentage by mass):

Cu	64,5 - 66,5	Pb	1,5 - 2,2	Sn	max 0,30
Si	0,55 - 0,80	Ni	max 0,30	As	0,03 - 0,06
Fe	0,10 - 0,20	Zn	Remaining		

**Intended use**

Brass alloy in rods for manufacturing of products in tap water installations.  
Rods are intended for machining or hot stamping.

**Trade name**

AMETAL C

**Approval**

The product satisfy the requirements set forth in chapter 8, 4 § 3 PBL, in respect to and under conditions stated in this certificate, and are therefore approved in accordance with the provisions of the following sections of Boverket Building Regulations (BBR):

Design

6:625, 1<sup>st</sup> sentence

Semi produced products intended for machining shall be heat treated at 500°C -550°C for 1-2 hours, followed by slow cooling in air.

Products produced by hot stamping shall be done at 700°C – 850°C followed by heat treating at 500°C -550°C for 1-2 hours, followed by slow cooling in air.

**Associated documents**

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Type approval 4378/86 | 2020-02-21

RISE Research Institutes of Sweden AB | Certification  
Box 857, SE-501 15 Borås, Sweden  
Phone: +46 10-516 50 00  
certifiering@ri.se | [www.ri.se](http://www.ri.se)

2019-06-10



9P05309



### Control

The factory production control (FPC) is monitored by an independent inspection body.  
Control agreement: 210-96-0743, Inspection body: RISE Research Institutes of Sweden AB.

When inspection before use is performed, markings shall be checked to ensure that the correct products have been supplied and that they are used in accordance with the conditions in this approval. Further the product shall be accompanied by a manufacturer's assurance, certifying that the product has been manufactured in accordance with the documents on which this approval is based.

### Manufacturing place

Production control includes the following place:  
IMI Hydronic Engineering AB, Ljung, Sweden.  
And manufacturing units according to control agreement.

### Marking

The products are to be marked at the factory.  
Rods intended for machining are marked with violet colour in one of the ends.   
Rods intended for hot stamping are marked with purple colour and "AC" in one of the ends.  
Each bundle of rods is marked with a label and includes:

Approval holder  
Boverket's registered trademark  
Accreditation number  
Product type designation  
Production method

Approval number  
Consecutive manufacture No.  
Certification and inspection body

IMI Hydronic Engineering AB  
†  
1002  
Ametal C  
EN 12164 (machining) or  
EN 12165 (hot stamping)  
4378/86  
nr  
RISE

### Basis for assessment/approval

Report 53023, 11617-10, 11312-16 and 14933 from Swerea KIMAB.  
Report ca888548, PX00924-18A, PX009424-18B and PX00924-17A from RISE.  
Report DL-43725 from D-LAB.

### Comments

This approval supersedes the previous approval with the same number dated 2018-05-03.

### Validity

Valid through 2025-02-20.

The validity of this approval expires when the characteristics included in this approval shall be CE-marked according to the Construction Products Regulation (EU) 305/2011.

Johan Åkesson

*This is a translation from the Swedish original document. In the event of any dispute as to its content, the Swedish text shall take precedence.*