

CW727R, dezincification resistant brass alloy

Holder/Issued to

HME Brass Germany GmbH

Miraustraße 10-14, 13509 Berlin, Germany.

Product description

Dezincification resistant brass alloy CW727R in rods or hollow rods for machining or hot stamping.
Chemical composition of the alloy (percentage by mass):

Cu 63.5 – 65.0

Sn 0.5 – 1.0

P 0.05 – 0.15

Al ≤ 0.05

Fe ≤ 0.10

Ni 0.10

Pb ≤ 0.10

Si ≤ 0.10

Zn Rest

Each other impurity < 0.02

Intended use

Brass alloy in rods or hollow rods for manufacturing of components for use in tap water installations, especially by machining or hot stamping.

Trade name

CW727R

Approval

The product satisfy the requirements set forth in chapter 8, 4 § 3 PBL, in respect to and under conditions stated in this type approval, and are therefore approved in accordance with the provisions of the following sections of Boverket Building Regulations (BBR) issued by the National Board of Housing, Building and Planning.

Tap water installations
Design

6:62, 2nd paragraph and general recommendation
6:625, 1st sentence

The alloy fulfills requirements for product group B according to "4MSI Common approach: Acceptance of metallic materials used for products in contact with drinking water".

Semi produced products intended for machining shall be heat treated at (520-570) °C for 2-3 hours, followed by cooling in air. Products produced by hot stamping shall be done at (740 – 800) °C followed by heat treating at (520-570) °C for 2-3 hours, followed cooling in air.

Associated documents

-

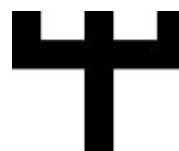
Type Approval C901158 | issue 1 | 2024-08-30
RISE Research Institutes of Sweden AB | Certification

Box 857, 501 15 Borås

☎ +46 10 516 50 00 | certifiering@ri.se | www.ri.se

1277448

This document is the property of RISE and may not be reproduced other than in full, except with the prior written approval by RISE



Akkred. nr. 1002
Produktcertifiering
ISO/IEC 17065

Control

The factory production control (FPC) is monitored by an independent inspection body.

Control plan: Ref no. CR074 dated 2018-10-10, Inspection body: RISE

When the building proprietor performs inspection at the building site, 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 type 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 type approval is based.

Manufacturing place

Production control includes the following place:

HME Brass Germany GmbH, Miraustraße 10-14, 13509 Berlin, Germany

Marking

The product is to be marked at the factory. The marking consists of a label on every packaging unit supplied and includes:

Holder	HME Brass Germany GmbH
Product type designation	CW727R
Consecutive date of production	date
Type approval number	C901158
Boverket's registered trade mark	
RISE Accreditation number	1002
Inspection body	RISE

Basis for approval

Report EUFI29-24002814-T4 and EUFI29-24002814-T3 from Eurofins

Report AO-0020841 1270528 from RISE

Comments

-

Validity

Valid through 2029-08-29.

The validity of this type approval can be verified at RISE homepage.

The validity of this type approval expires when the type approved product with the intended use according to this type approval shall be CE-marked according to the Construction Products Regulation (EU) 305/2011.



Stefan Coric

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