

# Type Approval Certificate



This is to certify that the undernoted product(s) has/have been tested in accordance with the relevant requirements of the GL Type Approval System.

Certificate No. **40 582 - 01 HH**

Company **SANHA Kaimer GmbH & Co.KG**  
**Im Teelbruch 80**  
**45219 Essen, GERMANY**

Product Description **PRESS FITTING SYSTEM MADE OF COPPER AND COPPER ALLOYS**

Type **SANHA® PRESS FITTINGS**

Environmental Category **None**

Technical Data / **TECHNICAL DATA**

Range of Application

**Fittings** Specially shaped fittings sealed by a synth. rubber o-ring

**Pipe Sizes** 12x1.0, 15x1.0, 18x1.0, 22x1.0, 28x1.5, 35x1.5, 42x1.5, 54x2.0  
64x2.0, 76.1x2.0, 86.9x2.0, 108.0x2.5 [mm]

**M.A.W.P.** 10 [bar] (12 to 54 mm), 8 [bar] (64 to 108 mm)

**M.A.W.T.** 120 [°C] (depending on o-ring materials used)

**Materials** Fittings: CW024A acc. to DIN EN 12449, CC491K acc. to DIN EN 1982  
Pipes: acc. to DIN EN 1057,  
O-rings: EPDM, NBR, HNBR, FKM acc. to manufacturer's specifications

Test Standard • IACS Req. P2.11.5 - Type Approval of Mechanical Joints, 2001/Rev.2 2006,  
without fire endurance test acc. to IACS Req. 2001, P2.11.5.5.6.

Documents • Test Reports  
• Operating and Installation Instructions  
• Technical Documentation  
• Catalogue

Remarks • MARKING, PRODUCTION PLACE, REMARKS and RANGE OF APPLICATION  
see page 2.

Valid until **2016-07-23**

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Type Approval Symbol



File No. **II.C.08**

Hamburg, **2011-02-22**

**Germanischer Lloyd**

*Hanspeter Raschle*  
Hanspeter Raschle

*Peter Gierjan*  
Peter Gierjan

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## MARKING

Each device shall bear legible and durable marking on the body or on a plate securely fixed to the body as follows:

- Manufacturer's Mark • Type • Nominal Diameter •

## PRODUCTION PLACE

SANHA Kaimer GmbH & Co.KG  
45219 Essen  
GERMANY

## REMARKS

- The PRESS FITTING SYSTEM may not be used in piping systems of class I and class II.

## RANGE OF APPLICATION

As piping components in domestic fresh water-, potable water-, warm water heating- and air conditioning systems (media: condensed water, ethylene glycol).

- The selection of the fittings and pipes for the corresponding application and the right mounting with the stipulated pressing tool is to be in accordance with the instructions of the manufacturer.
- For gaseous and liquid media which will not obstruct the press fitting system or attack copper alloys respectively synth. rubbers.

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*Peter Gierman*  
Peter Gierman

This certificate is issued on the basis of "Guidelines for the Performance of Type Approvals Part 1, Procedure"