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Product Certificate

## Press fittings for joining copper pipes

Based on pre-certification tests as well as periodic inspections by Kiwa Nederland B.V., the products referred to in this certificate and marked with the GASTEC QA mark, supplied by

### Raccorderie Metalliche S.p.A.

may, on delivery, be relied upon to comply with the GASTEC QA Approval Requirements 186, for "press fittings for joining copper pipes", dated November 2012 and amendment November 2015.

Ronald Karel  
Kiwa

This certificate is issued by Kiwa Nederland B.V. in conjunction with the KIWA regulations for Certification 2017.

This certificate consists of 4 pages.  
Publication of the certificate is allowed.

# CERTIFICATE

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## Press fittings for joining copper pipes

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### PRODUCT SPECIFICATION

#### 681/450 G: 45° Elbow FF

15 mm  
18 mm  
22 mm  
28 mm  
35 mm  
42 mm  
54 mm

#### 681/451 G: 45° Elbow MF

15 mm  
18 mm  
22 mm  
28 mm  
35 mm  
42 mm  
54 mm

#### 681/900 G: 90° Elbow FF

15 mm  
18 mm  
22 mm  
28 mm  
35 mm  
42 mm  
54 mm

#### 681/901 G: 90° Elbow MF

15 mm  
18 mm  
22 mm  
28 mm  
35 mm  
42 mm  
54 mm

#### 697 G: Elbow adapter 90° with male thread

15 mm x 3/8"  
15 mm x 1/2"  
18 mm x 1/2"  
18 mm x 3/4"  
22 mm x 1/2"  
22 mm x 3/4"  
28 mm x 1/2"  
35 mm x 1"1/4  
42 mm x 1"1/2

#### 698 G: Elbow adapter 90° with female thread

15 mm x 3/8"  
15 mm x 1/2"  
15 mm x 3/4"  
18 mm x 1/2"  
18 mm x 3/4"  
22 mm x 1/2"  
22 mm x 3/4"  
22 mm x 1"  
28 mm x 1/2"  
28 mm x 1"  
35 mm x 1"1/4  
42 mm x 1"1/2

#### 682 G: Equal tee

15 mm  
18 mm  
22 mm  
28 mm  
35 mm  
42 mm  
54 mm

#### 689 G: Branch tee female BSP Outlet

15 mm x 3/8" x 15 mm  
15 mm x 1/2" x 15 mm  
18 mm x 1/2" x 18 mm  
22 mm x 1/2" x 22 mm  
22 mm x 3/4" x 22 mm  
28 mm x 1/2" x 28 mm  
28 mm x 3/4" x 28 mm  
28 mm x 1" x 28 mm  
35 mm x 1/2" x 35 mm  
35 mm x 3/4" x 35 mm  
35 mm x 1" x 35 mm  
42 mm x 1/2" x 42 mm  
42 mm x 3/4" x 42 mm

#### 692 G: Reducing tee

18 mm x 15 mm x 18 mm  
22 mm x 15 mm x 22 mm  
22 mm x 18 mm x 22 mm  
28 mm x 15 mm x 28 mm  
28 mm x 18 mm x 28 mm  
28 mm x 22 mm x 28 mm  
35 mm x 15 mm x 35 mm  
35 mm x 18 mm x 35 mm  
35 mm x 22 mm x 35 mm  
35 mm x 28 mm x 35 mm  
42 mm x 15 mm x 42 mm  
42 mm x 18 mm x 42 mm  
42 mm x 22 mm x 42 mm  
42 mm x 28 mm x 42 mm  
42 mm x 35 mm x 42 mm  
54 mm x 22 mm x 54 mm  
54 mm x 28 mm x 54 mm  
54 mm x 35 mm x 54 mm  
54 mm x 42 mm x 54 mm

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## Press fittings for joining copper pipes

### 683/003 G: Stop end

15 mm  
18 mm  
22 mm  
28 mm  
35 mm  
42 mm  
54 mm

### 683/000 G: Coupling

15 mm  
18 mm  
22 mm  
28 mm  
35 mm  
42 mm  
54 mm

### 683/001 G: Slip coupling

15 mm  
18 mm  
22 mm  
28 mm  
35 mm  
42 mm  
54 mm

### 687 G: Male adapter

15 mm x 3/8"  
15 mm x 1/2"  
15 mm x 3/4"  
18 mm x 1/2"  
18 mm x 3/4"  
22 mm x 1/2"  
22 mm x 3/4"  
22 mm x 1"  
28 mm x 3/4"  
28 mm x 1"  
28 mm x 1 1/4"  
35 mm x 1"  
35 mm x 1 1/4"  
35 mm x 1 1/2"  
42 mm x 1 1/4"  
42 mm x 1 1/2"

### 690 G: Female adapter

15 mm x 3/8"  
15 mm x 1/2"  
15 mm x 3/4"  
18 mm x 1/2"  
18 mm x 3/4"  
22 mm x 1/2"  
22 mm x 3/4"  
22 mm x 1"  
28 mm x 1/2"  
28 mm x 3/4"  
28 mm x 1"  
28 mm x 1 1/4"  
35 mm x 1"  
35 mm x 1 1/4"  
42 mm x 1 1/4"  
42 mm x 1 1/2"

### 691 G: Reducer

18 mm x 15 mm  
22 mm x 15 mm  
22 mm x 18 mm  
28 mm x 15 mm  
28 mm x 18 mm  
28 mm x 22 mm  
35 mm x 22 mm  
35 mm x 28 mm  
42 mm x 22 mm  
42 mm x 28 mm  
42 mm x 35 mm  
54 mm x 22 mm  
54 mm x 28 mm  
54 mm x 35 mm  
54 mm x 42 mm

### 685 G: Wall plate elbow 90 ° with female tread

15 mm x 1/2"  
18 mm x 1/2"  
22 mm x 3/4"

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#### APPLICATION AND USE

Copper press fittings for joining half-hard copper pipes (R250) according to GASTEC QA Approval Requirements 5.

The press fittings shall be used for domestic gas installations which come in contact with 2nd and 3rd family gasses according to EN 437. The maximal operating pressure is 200 mbar. The press fitting is joined by means of a press machine which is prescribed by the fitting manufacturer

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#### MARKING

- GASTEC QA trademark.
- Manufacturer's name or trade mark
- External diameter of the pipe which is to be connected
- Production code
- If the press fitting is suitable for gas only the fitting shall be marked with the word "gas" or a yellow marking
- Internal support shall be marked with the diameter x wall thickness

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### RECOMMENDATIONS FOR END USERS

Check at the time of delivery whether:

- the producer has delivery in accordance with the agreement;
- the mark and the marking method are correct;
- the products show no visible defects as a result of transport.

Consult the producer's processing guidelines for the proper storage and transport methods.

Check whether this certificate is still valid by consulting Kiwa Nederland B.V. or the Kiwa website.

If you should reject a product on the basis of the above, please contact the supplier and, if necessary, Kiwa Nederland B.V.

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