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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

### Sanha Fittings B.V.B.A.

may, on delivery, be relied upon to comply with the GASTEC QA approval requirements 214, for "Fitness for admixtures up to and including 100% hydrogen gas" dated June 2019.

Ron Scheepers  
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.

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## Press fittings for joining copper pipes

### PRODUCT SPECIFICATION

#### 10.000 series for half-hard copper pipes (R250) In combination with smooth or profiled o-rings

10270: Socket, 2x press: 12 mm 15 mm 18 mm 22 mm 28 mm 35 mm 42 mm 54 mm	10270S: Sliding socket, 2x press: 12 mm 15 mm 18 mm 22 mm 28 mm 35 mm 42 mm 54 mm	10301: Endcap 12 mm 15 mm 18 mm 22 mm 28 mm 35 mm 42 mm 54 mm	
10002a : Bend 90° 2x press: 12 mm 15 mm 18 mm 22 mm 28 mm 35 mm 42 mm 54 mm	10001a : Bend 90° press x cylindrical (compression or press): 12 mm 15 mm 18 mm 22 mm 28 mm 35 mm 42 mm 54 mm	10040: Bend 45° press x cylindrical (compression or press): 12 mm 15 mm 18 mm 22 mm 28 mm 35 mm 42 mm 54 mm	10041: Bend 45° 2x press: 12 mm 15 mm 18 mm 22 mm 28 mm 35 mm 42 mm 54 mm
10130: T-piece 3x press: 12 x 15 x 12 mm 15 x 12 x 12 mm 15 x 12 x 15 mm 15 x 15 x 12 mm 15 x 18 x 12 mm 15 x 18 x 15 mm 15 x 22 x 15 mm 18 x 12 x 15 mm 18 x 12 x 18 mm 18 x 15 x 15 mm 18 x 15 x 18 mm 18 x 18 x 15 mm 18 x 22 x 18 mm	22 x 12 x 22 mm 22 x 15 x 15 mm 22 x 15 x 18 mm 22 x 15 x 22 mm 22 x 18 x 15 mm 22 x 18 x 18 mm 22 x 18 x 22 mm 22 x 22 x 15 mm 22 x 22 x 18 mm 22 x 28 x 22 mm 28 x 15 x 22 mm 28 x 15 x 28 mm 28 x 18 x 18 mm	28 x 18 x 22 mm 28 x 18 x 28 mm 28 x 22 x 22 mm 28 x 22 x 28 mm 28 x 28 x 15 mm 28 x 28 x 18 mm 28 x 28 x 22 mm 28 x 35 x 28 mm 35 x 15 x 35 mm 35 x 18 x 35 mm 35 x 22 x 22 mm 35 x 22 x 28 mm 35 x 22 x 35 mm	35 x 28 x 28 mm 35 x 28 x 35 mm 35 x 35 x 22 mm 35 x 35 x 28 mm 42 x 15 x 42 mm 42 x 22 x 42 mm 42 x 28 x 42 mm 42 x 35 x 35 mm 42 x 35 x 42 mm 54 x 22 x 54 mm 54 x 28 x 54 mm 54 x 35 x 54 mm 54 x 42 x 54 mm
10240: Reduce socket 2x press: 15 x 12 mm 18 x 12 mm 18 x 15 mm 22 x 15 mm	22 x 18 mm 28 x 15 mm 28 x 18 mm 28 x 22 mm	35 x 22 mm 35 x 28 mm 42 x 22 mm 42 x 28 mm	42 x 35 mm 54 x 28 mm 54 x 35 mm 54 x 42 mm
10243 Sliding socket, press x cylindrical (compression or press): 15a x 12 mm 18a x 12 mm 18a x 15 mm 22a x 15 mm a= cylindrical side.	22a x 18 mm 28a x 15 mm 28a x 18 mm 28a x 22 mm	35a x 22 mm 35a x 28 mm 42a x 22 mm 42a x 28 mm	42a x 35 mm 54a x 35 mm 54a x 42 mm

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## Press fittings for joining copper pipes

### 11.000 Series for half-hard copper pipes R250 and annealed copper pipes R220

In combination with smooth or profiled o-rings

\* Only certified for half hard copper pipes R250

\*\* Unmarketable fitting for the Dutch market

11090g: knee 90° press x female thread: 12 x 1/2 15 x 1/2 15 x 3/4 16 x 1/2** 18 x 1/2 18 x 3/4 22 x 1/2 22 x 3/4 22 x 1 28 x 3/4 28 x 1 35 x 1 1/4 42 x 1 1/2 54 x 2*	11092g: knee 90° press x male thread): 14 x 1/2** 15 x 3/8 15 x 1/2 16 x 1/2** 18 x 1/2 18 x 3/4 22 x 1/2 22 x 3/4 22 x 1 28 x 1 35 x 1 1/4 42 x 1 1/2 54 x 2*	11130g: T-piece, (press x female thread x press): 15 x 1/2 x 15 18 x 1/2 x 18 22 x 1/2 x 22 22 x 3/4 x 22 28 x 1/2 x 28 28 x 3/4 x 28 35 x 1/2 x 35 35 x 1 x 35 42 x 1/2 x 42 42 x 1 x 42 54 x 1/2 x 54*	11472g: Wall plate press x female thread: 12 x 1/2 14 x 1/2** 15 x 1/2 16 x 1/2** 18 x 1/2 18 x 3/4 22 x 1/2 22 x 3/4
11243g: Straight coupling press x male thread: 12 x 3/8 12 x 1/2 14 x 1/2** 15 x 3/8 15 x 1/2 15 x 3/4 16 x 1/2** 16 x 3/4** 18 x 1/2 18 x 3/4 22 x 1/2 22 x 3/4	22 x 1 28 x 3/4 28 x 1 28 x 1 1/4 35 x 1 35 x 1 1/4 35 x 1 1/2 42 x 1 1/4 42 x 1 1/2 54 x 1 1/2* 54 x 2*	11270g: Straight coupling press x female thread: 12 x 3/8 12 x 1/2 14 x 1/2** 15 x 1/2 15 x 3/4 16 x 1/2** 18 x 1/2 18 x 3/4 22 x 1/2 22 x 3/4 22 x 1	28 x 3/4 28 x 1 28 x 1 1/4 35 x 1 35 x 1 1/4 42 x 1 1/4 42 x 1 1/2 54 x 1 1/2* 54 x 2*

K2703: KS fitting press x thread:

Dn 22

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### APPLICATION AND USE

The product is intended to be used in distribution systems for gas conform the Regulations gas quality for low caloric gas to be used up to and including 16 bar\* with an admixture up to and including 100% hydrogen gas. The maximum pressure and operation temperature are mentioned in the approval requirement for the product for GASTEC QA certification.

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### MARKING

- GASTEC QA, GASTEC QA logo or punch mark. This also applies for the internal support if used
- Manufacturer's name or trademark
- 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 diameter x wall thickness
- The words 'Bestand tegen waterstofgas' and 'Hydrogen ready'

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### RECOMMENDATIONS FOR END USERS

Check at the time of delivery whether:

- the producer has delivered 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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