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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

## Aalberts integrated piping systems B.V.

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 September 2022.

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.

Kiwa Nederland B.V.  
Sir. Winston Churchillaan 273  
P.O. Box 70  
2280 AB RIJSWIJK  
The Netherlands  
Tel.+31 88 998 4400  
[Nl.kiwa.info@kiwa.com](mailto:Nl.kiwa.info@kiwa.com)  
[www.kiwa.nl](http://www.kiwa.nl)

**supplier**

Aalberts integrated piping systems B.V.  
Oude Amersfoortseweg 99  
12125 AA Hilversum  
The Netherlands

[www.aalberts-ips.nl](http://www.aalberts-ips.nl)

T +31 35 6884 211  
F +31 35 6884 379



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## Press fittings for joining copper pipes

### PRODUCT SPECIFICATION

Press fittings for joining copper pipes according to Approval Requirement 5, quality half-hard.  
Max. operating pressure: 200 mbar.

#### Xpress

SG3/G6243G: Straight male connector  
press-fit x BSP tape male thread

15 x R $\frac{1}{2}$ mm	28 x R1 mm
15 x R $\frac{3}{4}$ mm	28 x R1 $\frac{1}{4}$ mm
18 x R $\frac{1}{2}$ mm	35 x R1 mm
18 x R $\frac{3}{4}$ mm	35 x R1 $\frac{1}{4}$ mm
22 x R $\frac{1}{2}$ mm	42 x R1 $\frac{1}{4}$ mm
22 x R $\frac{3}{4}$ mm	42 x R1 $\frac{1}{2}$ mm
22 x R1 mm	54 x R2 mm
28 x R $\frac{3}{4}$ mm	

Fulfillment: brass and bronze.

SG2/G6270G: Straight female connector  
press-fit x BSP parallel female thread

15 x Rp $\frac{1}{2}$ mm	22 x Rp $\frac{3}{4}$ mm
15 x Rp $\frac{3}{4}$ mm	28 x Rp1 mm
18 x Rp $\frac{1}{2}$ mm	35 x Rp1 $\frac{1}{4}$ mm
18 x Rp $\frac{3}{4}$ mm	42 x Rp1 $\frac{1}{2}$ mm
22 x Rp $\frac{1}{2}$ mm	54 x Rp 2 mm

Fulfillment: brass and bronze.

SG1/G7270: Straight coupling  
press-fit x press-fit

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

Fulfillment: redcopper

SG1 Slip/ G7270S: Straight coupling slip pattern  
press-fit x press-fit

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

Fulfillment: redcopper

SG61/G7301: Stop end

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

Fulfillment: redcopper

SG6/G7243: Reducer  
larger end male for insertion into fitting x  
press-fit

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

Fulfillment: redcopper

SG12/G7002A: Elbow  
press-fit x press-fit

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

Fulfillment: redcopper

SG21/G7041: Obtuse elbow  
press-fit x press-fit

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

Fulfillment: redcopper

SG12S/G7001A: Street elbow  
press-fit x male end for insertion into fitting

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

Fulfillment: redcopper

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SG21S/G7040: Obtuse street elbow  
press-fit x male end for insertion into fitting

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

Fulfillment: redcopper

SG24/G7130: Equal tee  
press-fit on all ends

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

Fulfillment: redcopper

SG25/G7130: Tee  
reduced branch, press-fit on all ends

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

Fulfillment: redcopper.

SG11/G6330: Union coupling  
press-fit x press-fit

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

Fulfillment: brass and bronze.

SG13/G6092G: Male elbow  
press-fit x BSP taper male thread

15 x R $\frac{1}{2}$ mm	28 x R1 mm
18 x R $\frac{1}{2}$ mm	35 x R1 $\frac{1}{4}$ mm
18 x R $\frac{3}{4}$ mm	42 x R1 $\frac{1}{2}$ mm
22 x R $\frac{3}{4}$ mm	54 x R2 mm

Fulfillment: redcopper

SG14/G6090G: Female elbow  
press-fit x parallel female thread

15 x Rp $\frac{1}{2}$ mm	22 x Rp1 mm
15 x Rp $\frac{3}{4}$ mm	28 x Rp1 mm
18 x Rp $\frac{1}{2}$ mm	35 x Rp1 $\frac{1}{4}$ mm
18 x Rp $\frac{3}{4}$ mm	42 x Rp1 $\frac{1}{2}$ mm
22 x Rp $\frac{1}{2}$ mm	54 x Rp 2 mm
22 x Rp $\frac{3}{4}$ mm	

Fulfillment: redcopper

SG22/G7086: Partial crossover

15 mm  
18 mm  
22 mm

Fulfillment: redcopper

SG23/G7085: Full crossover

15 mm  
18 mm  
22 mm

Fulfillment: redcopper

SG30/G6130G: Female branch tee  
press-fit x BSP parallel female branch

15 x 15 x Rp $\frac{1}{2}$ mm	28 x 28 x Rp $\frac{3}{4}$ mm
18 x 18 x Rp $\frac{1}{2}$ mm	35 x 35 x Rp $\frac{1}{2}$ mm
22 x 22 x Rp $\frac{1}{2}$ mm	35 x 35 x Rp1 mm
22 x 22 x Rp $\frac{3}{4}$ mm	42 x 42 x Rp $\frac{1}{2}$ mm
28 x 28 x Rp $\frac{1}{2}$ mm	54 x 54 x Rp $\frac{1}{2}$ mm

Fulfillment: redcopper

SG15/G6471G: Backplate elbow plates:  
press-fit x BSP parallel female thread

15 x Rp $\frac{1}{2}$  mm  
18 x Rp $\frac{1}{2}$  mm  
22 x Rp $\frac{3}{4}$  mm

Fulfillment: brass and bronze

S7/6246G: Female adaptor  
Male copper for insertion into a fitting x BSP parallel female thread

15 x Rp $\frac{1}{2}$ mm	22 x Rp $\frac{1}{2}$ mm	28 x Rp1 mm	42 x Rp1 $\frac{1}{2}$ mm
18 x Rp $\frac{1}{2}$ mm	22 x Rp $\frac{3}{4}$ mm	35 x Rp1 mm	54 x Rp2 mm
18 x Rp $\frac{3}{4}$ mm	28 x Rp $\frac{3}{4}$ mm	35 x Rp1 $\frac{1}{4}$ mm	

Fulfillment: brass and bronze

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### APPLICATION AND USE

The products are intended to be applied as gas distribution and installation materials for natural gas with an admixture of 20% hydrogen gas and pure hydrogen gas. The maximum operating pressure (MOP) and operating temperature are specified in the approval requirement for the product for GASTEC QA certification.

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### MARKING

- GASTEC QA , GASTEC QA logo, word mark or trademark. This also applies for the internal support if used.
  - Name of the manufacturer or trademark: Aalberts Intergrated Piping systems
  - External diameter of the pipe which is to be connected
  - The 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
  - The words 'Bestand tegen waterstofgas' or '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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