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| Number          | 55358/04   | Replaces | 55358/03 |
| Issued          | 21-04-2017 | Scope    | KE 35    |
| Contract number | Q 07/001   | Page     | 1-8      |

## Product Certificate

### Compression 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

### General Fittings S.r.L.

may, on delivery, be relied upon to comply with the GASTEC QA Approval Requirements 35, for "compression fittings for joining copper pipes" dated March 2012 + modification sheet November 2015.

Luc Leroy  
Kiwa

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

This certificate consists of 8 pages.  
Publication of the certificate is allowed.

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# CERTIFICATE

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## Compression fittings for joining copper pipes

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### PRODUCT SPECIFICATION

1N00.00 Double straight compression fitting:  
compression x compression

10 mm  
12 mm  
14 mm\*  
15 mm  
16 mm\*  
18 mm\*  
22 mm  
28 mm  
35 mm  
42 mm  
54 mm

1N00.00 Double straight compression fitting Tin plated:  
compression x compression

10 mm  
12 mm  
14 mm  
15 mm  
16 mm  
18 mm  
22 mm  
28 mm

1N00.01 Male straight compression fitting:  
compression x conical outer thread

R ¼ x 10 mm  
R ¼ x 12 mm  
R ¼ x 15 mm  
R ⅜ x 10 mm  
R ⅜ x 12 mm  
R ⅜ x 15 mm  
R ½ x 10 mm  
R ½ x 12 mm  
R ½ x 14 mm\*  
R ½ x 15 mm  
R ½ x 16 mm\*  
R ½ x 18 mm\*  
R ½ x 22 mm  
R ¾ x 14 mm\*  
R ¾ x 15 mm  
R ¾ x 16 mm\*  
R ¾ x 18 mm\*  
R ¾ x 22 mm  
R ¾ x 28 mm  
R 1 x 22 mm  
R 1 x 28 mm  
R 1¼ x 35 mm  
R 1½ x 42 mm  
R 2 x 54 mm

1N00.01 Male straight compression fitting Tin plated:  
compression x conical outer thread

R ¼ x 10 mm  
R ¼ x 12 mm  
R ¼ x 15 mm  
R ⅜ x 10 mm  
R ⅜ x 12 mm  
R ⅜ x 15 mm  
R ½ x 10 mm  
R ½ x 12 mm  
R ½ x 14 mm\*  
R ½ x 15 mm  
R ½ x 16 mm\*  
R ½ x 18 mm\*  
R ½ x 22 mm  
R ¾ x 14 mm\*  
R ¾ x 15 mm  
R ¾ x 16 mm\*  
R ¾ x 18 mm\*  
R ¾ x 22 mm  
R ¾ x 28 mm  
R 1 x 22 mm  
R 1 x 28 mm

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1N00.02 Female straight compression fitting:  
compression x straight inner thread

Rp ¼ x 10 mm  
Rp ⅜ x 10 mm  
Rp ⅜ x 12 mm  
Rp ⅜ x 15 mm  
Rp ½ x 10 mm  
Rp ½ x 12 mm  
Rp ½ x 14 mm\*  
Rp ½ x 15 mm  
Rp ½ x 16 mm\*  
Rp ½ x 18 mm\*  
Rp ½ x 22 mm  
Rp ¾ x 14 mm\*  
Rp ¾ x 15 mm  
Rp ¾ x 16 mm\*  
Rp ¾ x 18 mm\*  
Rp ¾ x 22 mm  
Rp 1 x 22 mm  
Rp 1 x 28 mm  
Rp 1¼ x 35 mm  
Rp 1½ x 42 mm  
Rp 2 x 54 mm

1N00.03 Reduced straight compression fitting:  
compression x compression

10 x 12 mm  
10 x 15 mm  
12 x 15 mm  
15 x 18 mm\*  
15 x 22 mm  
22 x 28 mm  
15 x 35 mm  
22 x 35 mm

1N00.08 Side female Tee compression fitting:  
Straight inner thread x compression x compression

Rp ½ x 15 x 15 mm  
Rp ½ x 22 x 22 mm  
Rp ¾ x 22 x 22 mm

1N00.09 Tee elbow compression fitting:  
Compression x compression x compression

15 x 15 x 15 mm  
22 x 22 x 22 mm  
22 x 15 x 22 mm  
22 x 15 x 15 mm

1N00.02 Female straight compression fitting Tin plated:  
compression x straight inner thread

Rp ¼ x 10 mm  
Rp ⅜ x 10 mm  
Rp ⅜ x 12 mm  
Rp ⅜ x 15 mm  
Rp ½ x 10 mm  
Rp ½ x 12 mm  
Rp ½ x 14 mm\*  
Rp ½ x 15 mm  
Rp ½ x 16 mm\*  
Rp ½ x 18 mm\*  
Rp ½ x 22 mm  
Rp ¾ x 14 mm\*  
Rp ¾ x 15 mm  
Rp ¾ x 16 mm\*  
Rp ¾ x 18 mm\*  
Rp ¾ x 22 mm  
Rp 1 x 22 mm  
Rp 1 x 28 mm

1N00.03 Reduced straight compression fitting Tin plated:  
compression x compression

10 x 12 mm  
10 x 15 mm  
12 x 15 mm  
15 x 18 mm\*  
15 x 22 mm  
22 x 28 mm

1N00.08 Side female Tee compression fitting Tin plated:  
Straight inner thread x compression x compression

Rp ½ x 15 x 15 mm  
Rp ½ x 22 x 22 mm  
Rp ¾ x 22 x 22 mm

1N00.09 Tee elbow compression fitting Tin plated:  
Compression x compression x compression

15 x 15 x 15 mm  
22 x 22 x 22 mm  
22 x 15 x 22 mm  
22 x 15 x 15 mm

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## Compression fittings for joining copper pipes

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### 1N00.10 Tee compression fitting:

Compression x compression x compression

10 mm  
 12 mm  
 14 mm\*  
 15 mm  
 16 mm\*  
 18 mm\*  
 22 mm  
 28 mm  
 35 mm  
 42 mm  
 54 mm

### 1N00.10 T-compression fitting Tin plated:

Compression x compression x compression

10 mm  
 12 mm  
 14 mm\*  
 15 mm  
 16 mm\*  
 18 mm\*  
 22 mm  
 28 mm

### 1N00.12 Female Tee compression fitting:

compression x straight inner thread x compression

12 x Rp 1/2 x 12 mm  
 12 x Rp 3/8 x 12 mm  
 14 x Rp 1/2 x 14 mm\*  
 14 x Rp 3/4 x 14 mm\*  
 15 x Rp 1/4 x 15 mm  
 15 x Rp 3/8 x 15 mm  
 15 x Rp 1/2 x 15 mm  
 15 x Rp 3/4 x 15 mm  
 16 x Rp 1/2 x 16 mm\*  
 16 x Rp 3/4 x 16 mm\*  
 18 x Rp 1/2 x 18 mm\*  
 18 x Rp 3/4 x 18 mm\*  
 22 x Rp 1/2 x 22 mm  
 22 x Rp 3/4 x 22 mm  
 28 x R 1/2 x 28 mm  
 28 x R 3/4 x 28 mm

### 1N00.12 Female Tee compression fitting Tin plated:

compression x straight inner thread x compression

12 x Rp 1/2 x 12 mm  
 12 x Rp 3/8 x 12 mm  
 14 x Rp 1/2 x 14 mm\*  
 14 x Rp 3/4 x 14 mm\*  
 15 x Rp 1/4 x 15 mm  
 15 x Rp 3/8 x 15 mm  
 15 x Rp 1/2 x 15 mm  
 15 x Rp 3/4 x 15 mm  
 16 x Rp 1/2 x 16 mm\*  
 16 x Rp 3/4 x 16 mm\*  
 18 x Rp 1/2 x 18 mm\*  
 18 x Rp 3/4 x 18 mm\*  
 22 x Rp 1/2 x 22 mm  
 22 x Rp 3/4 x 22 mm  
 28 x R 1/2 x 28 mm  
 28 x R 3/4 x 28 mm

### 1N00.13 Reduced Tee compression fitting:

compression x compression x compression

12 x 15 x 12 mm  
 15 x 12 x 12 mm  
 15 x 15 x 12 mm  
 15 x 12 x 15 mm  
 18 x 15 x 18 mm\*  
 15 x 22 x 15 mm  
 22 x 15 x 15 mm  
 22 x 22 x 15 mm  
 22 x 15 x 22 mm  
 22 x 18 x 22 mm\*  
 22 x 28 x 22 mm

### 1N00.13 Reduced Tee compression fitting Tin plated:

compression x compression x compression

12 x 15 x 12 mm  
 15 x 12 x 12 mm  
 15 x 15 x 12 mm  
 15 x 12 x 15 mm  
 18 x 15 x 18 mm\*  
 15 x 22 x 15 mm  
 22 x 15 x 15 mm  
 22 x 22 x 15 mm  
 22 x 15 x 22 mm  
 22 x 18 x 22 mm\*  
 22 x 28 x 22 mm

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|                 |                 |
|-----------------|-----------------|
| 28 x 15 x 22 mm | 28 x 15 x 22 mm |
| 28 x 28 x 22 mm | 28 x 28 x 22 mm |
| 28 x 22 x 15 mm | 28 x 22 x 15 mm |
| 28 x 22 x 28 mm | 28 x 22 x 28 mm |
| 28 x 28 x 15 mm | 28 x 28 x 15 mm |
| 28 x 22 x 22 mm | 28 x 22 x 22 mm |
| 28 x 15 x 28 mm | 28 x 15 x 28 mm |
| 35 x 15 x 35 mm |                 |
| 35 x 22 x 35 mm |                 |
| 35 x 28 x 35 mm |                 |

1N00.17 Side male Tee compression fitting:  
Conical outer thread x compression x compression

R ½ x 15 x 15 mm  
R ¾ x 22 x 22 mm  
R 1 x 22 x 22 mm  
R 1 x 28 x 28 mm

1N00.17 Side male Tee compression fitting Tin plated:  
Conical outer thread x compression x compression

R ½ x 15 x 15 mm  
R ¾ x 22 x 22 mm  
R 1 x 22 x 22 mm  
R 1 x 28 x 28 mm

1N00.20 Double elbow compression fitting:  
Compression x compression

10 mm  
12 mm  
14 mm\*  
15 mm  
16 mm\*  
18 mm\*  
22 mm  
28 mm  
35 mm  
42 mm  
54 mm

1N00.20 Double elbow compression fitting Tin plated:  
Compression x compression

10 mm  
12 mm  
14 mm\*  
15 mm  
16 mm\*  
18 mm\*  
22 mm  
28 mm

1N00.21 Male elbow compression fitting:  
compression x conical outer thread

R ¼ x 12 mm  
R ⅜ x 10 mm  
R ⅜ x 12 mm  
R ⅜ x 15 mm  
R ½ x 10 mm  
R ½ x 12 mm  
R ½ x 14 mm\*  
R ½ x 15 mm\*  
R ½ x 16 mm\*  
R ½ x 18 mm\*  
R ½ x 22 mm  
R ¾ x 12 mm  
R ¾ x 14 mm\*

1N00.21 Male elbow compression fitting Tin plated:  
compression x conical outer thread

R ¼ x 12 mm  
R ⅜ x 10 mm  
R ⅜ x 12 mm  
R ⅜ x 15 mm  
R ½ x 10 mm  
R ½ x 12 mm  
R ½ x 14 mm\*  
R ½ x 15 mm\*  
R ½ x 16 mm\*  
R ½ x 18 mm\*  
R ½ x 22 mm  
R ¾ x 12 mm  
R ¾ x 14 mm\*

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## Compression fittings for joining copper pipes

R 3/4 x 15 mm  
R 3/4 x 16 mm\*  
R 3/4 x 18 mm\*  
R 3/4 x 22 mm  
R 3/4 x 28 mm  
R 1 x 22 mm  
R 1 x 28 mm  
R 1 1/4 x 35 mm  
R 1 1/2 x 42 mm  
R 2 x 54 mm

1N00.22 Female elbow compression fitting:  
compression x straight inner thread

Rp 3/8 x 10 mm  
Rp 3/8 x 12 mm  
Rp 3/8 x 15 mm  
Rp 1/2 x 10 mm  
Rp 1/2 x 12 mm  
Rp 1/2 x 14 mm\*  
Rp 1/2 x 15 mm  
Rp 1/2 x 16 mm\*  
Rp 1/2 x 18 mm\*  
Rp 1/2 x 22 mm  
Rp 3/4 x 12 mm  
Rp 3/4 x 14 mm\*  
Rp 3/4 x 15 mm  
Rp 3/4 x 16 mm\*  
Rp 3/4 x 18 mm\*  
Rp 3/4 x 22 mm  
Rp 3/4 x 28 mm  
Rp 1 x 22 mm  
Rp 1 x 28 mm  
Rp 1 1/4 x 35 mm  
Rp 1 1/2 x 42 mm  
Rp 2 x 54 mm

1N00.23 Wallplate elbow compression fitting:  
compression x straight inner thread

Rp 1/2 x 12 mm  
Rp 1/2 x 14 mm\*  
Rp 1/2 x 15 mm  
Rp 1/2 x 16 mm  
Rp 3/4 x 15 mm  
Rp 3/4 x 22 mm  
RP 1/2 x 22 mm

R 3/4 x 15 mm  
R 3/4 x 16 mm\*  
R 3/4 x 18 mm\*  
R 3/4 x 22 mm  
R 3/4 x 28 mm  
R 1 x 22 mm  
R 1 x 28 mm

1N00.22 Female elbow compression fitting Tin plated:  
compression x straight inner thread

Rp 3/8 x 10 mm  
Rp 3/8 x 12 mm  
Rp 3/8 x 15 mm  
Rp 1/2 x 10 mm  
Rp 1/2 x 12 mm  
Rp 1/2 x 14 mm\*  
Rp 1/2 x 15 mm  
Rp 1/2 x 16 mm\*  
Rp 1/2 x 18 mm\*  
Rp 1/2 x 22 mm  
Rp 3/4 x 12 mm  
Rp 3/4 x 14 mm\*  
Rp 3/4 x 15 mm  
Rp 3/4 x 16 mm\*  
Rp 3/4 x 18 mm\*  
Rp 3/4 x 22 mm  
Rp 3/4 x 28 mm  
Rp 1 x 22 mm  
Rp 1 x 28 mm

1N00.23 Wallplate elbow compression fitting Tin plated:  
compression x straight inner thread

Rp 1/2 x 12 mm  
Rp 1/2 x 14 mm\*  
Rp 1/2 x 15 mm  
Rp 1/2 x 16 mm  
Rp 3/4 x 15 mm  
Rp 3/4 x 22 mm  
RP 1/2 x 22 mm

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## Compression fittings for joining copper pipes

1N00.29 Reduced elbow compression fitting:  
compression x compression

10 x 12 mm  
10 x 15 mm  
12 x 15 mm  
15 x 18 mm\*  
15 x 22 mm  
15 x 28 mm  
22 x 28 mm

1N00.29 Reduced elbow compression fitting Tin plated:  
compression x compression

10 x 12 mm  
10 x 15 mm  
12 x 15 mm  
15 x 18 mm\*  
15 x 22 mm  
15 x 28 mm  
22 x 28 mm

1N00.30 Pipe end elbow compression fitting:  
compression x pipe

10 x 15 mm  
15 x 15 mm  
22 x 22 mm

1N00.30 Pipe end elbow compression fitting Tin plated:  
compression x pipe

10 x 15 mm  
15 x 15 mm  
22 x 22 mm

1N00.36 Cross compression fitting:  
compression x compression x compression x compression

15 x 15 x 15 x 15 mm  
22 x 22 x 22 x 22 mm  
28 x 28 x 28 x 28 mm

1N00.36 Cross compression fitting Tin plated:  
compression x compression x compression x compression

15 x 15 x 15 x 15 mm  
22 x 22 x 22 x 22 mm  
28 x 28 x 28 x 28 mm

1N00.40 Male cap compression fitting:  
compression

10 mm  
12 mm  
15 mm  
18 mm\*  
22 mm  
28 mm  
35 mm

1N00.40 Male cap compression fitting Tin plated:  
compression

10 mm  
12 mm  
15 mm  
18 mm\*  
22 mm  
28 mm

1N00.43 repair compression fitting:  
compression x compression

15 x 15 mm  
22 x 22 mm

1N00.43 repair compression fitting Tin plated:  
compression x compression

15 x 15 mm  
22 x 22 mm

1N00.B1 Reduced cross compression fitting:  
compression x compression x compression x compression

22 x 15 x 22 x 15 mm  
22 x 15 x 15 x 15 mm

1N00.B1 Reduced cross compression fitting Tin plated:  
compression x compression x compression x compression

22 x 15 x 22 x 15 mm  
22 x 15 x 15 x 15 mm

1N00.B2 Wallplate elbow male compression fitting:  
compression

R ¾ x 15 mm

1N00.B2 Wallplate elbow male compression fitting Tin plated:  
compression

R ¾ x 15 mm

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|   |  |
|---|--|
| 1N00.B3 Hose connection Tee compression fitting:<br>compression x compression x hose connection<br>15 x 15 mm<br>22 x 22 mm<br>28 x 28 mm | 1N00.B3 Hose connection Tee compression fitting Tin plated:<br>compression x compression x hose connection<br>15 x 15 mm<br>22 x 22 mm<br>28 x 28 mm |
| 1N00.B6 Relief elbow compression fitting:<br>compression x compression x relief<br>15 x 15 mm<br>22 x 22 mm<br>28 x 28 mm                 | 1N00.B6 Relief elbow compression fitting Tin plated:<br>compression x compression x relief<br>15 x 15 mm<br>22 x 22 mm<br>28 x 28 mm                 |
| 1N00.B8 Male straight compression fitting for radiator:<br>compression x thread<br>R ½ x 15 mm  | 1N00.B8 Male straight compression fitting for radiator Tin plated:<br>compression x thread<br>R ½ x 15 mm  |
| 1N00.B9 Elbow for radiator compression fitting:<br>compression x thread<br>R ½ x 15 mm  | 1N00.B9 Elbow for radiator compression fitting Tin plated:<br>compression x thread<br>R ½ x 15 mm  |

### APPLICATION AND USE

Compression fittings for joining half-hard copper pipes (R250) or annealed copper pipes (R220) according GASTEC QA approval requirement 5 for application in gas installations with a maximum working pressure of 1 bar.

### MARKING

Compulsory specifications:

- GASTEC QA work mark or logo (also applies for inserts)
- Manufacturer's identity symbol
- If practicable nominal diameter.
- Inserts shall be marked with diameter x wall thickness

### 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.