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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.p.A.

may, on delivery, be relied upon to comply with the GASTEC QA Approval Requirements 35, for "compression fittings for joining copper pipes" dated September 2019.

Ron Scheepers
Kiwa

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

This certificate consists of 6 pages.
Publication of the certificate is allowed.

CERTIFICATE

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Compression fittings for joining copper pipes

PRODUCT SPECIFICATION

Compression fittings provided in either CW612N or CW617N.

1N00.00 Double straight compression fitting:

compression x compression

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

1N00.00 Double straight compression fitting Tin plated:

compression x compression

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

1N00.01 Male straight compression fitting:

compression x conical outer thread

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

1N00.01 Male straight compression fitting Tin plated:

compression x conical outer thread

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

1N00.02 Female straight compression fitting:

compression x straight inner thread

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

1N00.02 Female straight compression fitting Tin plated:

compression x straight inner thread

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

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

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

1N00.10 Tee compression fitting:
Compression x compression x compression
10 mm 22 mm
12 mm 28 mm
14 mm* 35 mm
15 mm 42 mm
16 mm* 54 mm
18 mm*

1N00.12 Female Tee compression fitting:
compression x straight inner thread x compression
12 x Rp ½ x 12 mm 16 x Rp ½ x 16 mm*
14 x Rp ½ x 14 mm* 16 x Rp ¾ x 16 mm*
14 x Rp ¾ x 14 mm* 18 x Rp ½ x 18 mm*
15 x Rp ¼ x 15 mm 18 x Rp ¾ x 18 mm*
15 x Rp ⅙ x 15 mm 22 x Rp ½ x 22 mm
15 x Rp ½ x 15 mm 22 x Rp ¾ x 22 mm
15 x Rp ¾ x 15 mm 28 x Rp ½ x 28 mm
15 x Rp ¾ x 15 mm 28 x Rp ¾ x 28 mm

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

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

1N00.10 T-compression fitting Tin plated:
Compression x compression x compression
10 mm 18 mm*
12 mm 22 mm
14 mm* 28 mm
15 mm 35 mm
16 mm* 42 mm
18 mm* 54 mm

1N00.12 Female Tee compression fitting Tin plated:
compression x straight inner thread x compression
12 x Rp ½ x 12 mm 16 x Rp ¾ x 16 mm*
14 x Rp ½ x 14 mm* 18 x Rp ½ x 18 mm*
14 x Rp ¾ x 14 mm* 18 x Rp ¾ x 18 mm*
15 x Rp ¼ x 15 mm 22 x Rp ½ x 22 mm
15 x Rp ½ x 15 mm 22 x Rp ¾ x 22 mm
15 x Rp ¾ x 15 mm 28 x Rp ½ x 28 mm
15 x Rp ¾ x 15 mm 28 x Rp ¾ x 28 mm
16 x Rp ½ x 16 mm*

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1N00.13 Reduced Tee compression fitting:

compression x compression x compression

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

1N00.20 Double elbow compression fitting:

Compression x compression

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

1N00.21 Male elbow compression fitting:

compression x conical outer thread

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

1N00.13 Reduced Tee compression fitting Tin plated:

compression x compression x compression

12 x 15 x 12 mm	28 x 15 x 22 mm
15 x 12 x 12 mm	28 x 28 x 22 mm
15 x 15 x 12 mm	28 x 22 x 15 mm
15 x 12 x 15 mm	28 x 22 x 28 mm
18 x 15 x 18 mm*	28 x 28 x 15 mm
15 x 22 x 15 mm	28 x 22 x 22 mm
22 x 15 x 15 mm	28 x 15 x 28 mm
22 x 22 x 15 mm	35 x 15 x 35 mm
22 x 15 x 22 mm	35 x 22 x 35 mm
22 x 18 x 22 mm*	35 x 28 x 35 mm
22 x 28 x 22 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 Tin plated:

Compression x compression

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

1N00.21 Male elbow compression fitting Tin plated:

compression x conical outer thread

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

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

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

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

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

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

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

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

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

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

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

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

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

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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
G ¾ x 15 mm

1N00.B2 Wallplate elbow male compression fitting Tin plated:
compression
G ¾ x 15 mm

APPLICATION AND USE

Compression fittings for joining half-hard copper pipes (R250) or annealed copper pipes (R220) according to GASTEC QA Approval Requirements 5 for application in gas installations with a maximum working pressure of 1 bar. The compression fittings shall be used for domestic gas installations which come in contact with 2nd and 3rd family gasses.

MARKING

- GASTEC QA, GASTEC QA logo, trademark or punch mark. This also applies to inserts
- Manufacturers identity symbol or trademark
- If practicable nominal diameter
- Number and part of standard: EN 1254-2
- Inserts are marked with diameter x wall thickness.

Fittings manufactured from dezincification resistant copper-zinc alloys shall be legibly and durably marked in accordance with either:

- a) for grade A material use symbol QI or characters DRA;
 - b) for grade B material, use characters DRB.
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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.
