

Number	77828/01	Replaces	N.a.
Issued	1 May 2013	Scope	KE 70, EN 1555-3
Contract number	Q13/001	Page	1-3

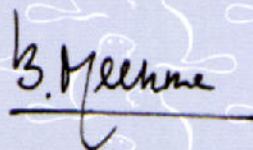
Product Certificate

Mechanical fittings for PE pipes Type TKG

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

Conval Nederland B.V.

may, on delivery, be relied upon to comply with the GASTEC QA Approval Requirements AR 70, for "Mechanical fittings for polyethylene piping systems for the supply of gaseous fuels-Thermoplastics fittings and metal fittings and metal fittings for pipes of nominal outside diameter less than or equal to 63 mm and the EN 1555-3 (ISO 10838-1), for "Mechanical fittings for polyethylene piping systems for the supply of gaseous fuels-Metal fittings for pipes of nominal outside diameter less than or equal to 63 mm)".



Bouke Meekma
Kiwa

This certificate is issued by Kiwa Nederland B.V. in conjunction with the "KIWA regulations for carrying the GASTEC QA quality mark".

This certificate consists of 3 pages.
Publication of the certificate is allowed.

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Mechanical fittings for PE pipes Type TKG

PRODUCT SPECIFICATION

Mechanical fittings for polyethylene piping systems, SDR 11, SDR 17,6.

Material: Brass

Max. operation pressure 8 bar

Type TKG

Straight couplers PE x male thread: 25 x R $\frac{1}{2}$, 25 x R1, 32 x R $\frac{1}{2}$ and 32 mm x R1.

Straight couplers PE x PE: 25 and 32 mm.

APPLICATION AND USE

mechanical fittings made of metal for polyethylene piping systems for the supply of gaseous fuels as per the 2nd and 3rd family of NEN-EN 437 for pipes of nominal outside diameter less than or equal to 63 mm.

The functional installation recommendations for polyethylene (PE) piping systems are laid down in NEN-EN 12007 and NEN 7244.

MARKING

Permanent marking on the fitting or on a label, ISO 10838 art. 10.3

- A traceability code in accordance with the relevant standards;
- The size of PE pipe to which the fitting is designed to be connected, its material properties and its dimensions;
- The assembly torque (if specified);
- The size of metal pipe to which the fitting is designed to be connected (DN);
- any other useful information for assembly of the fitting.

Permanent marking (e.g. by moulding or indent marking on the body of the fitting), ISO 10838 art. 10.2

- The manufacturer's name and/or trademark;
- The manufacturing batch number and/or date;
- Manufacturer's information for providing traceability;
- Identification of the moulder.

Marking Gastec QA requirement KE 70 art.

Additional marking on the body of the fitting:

- The maximum operating pressure for which the fitting is designed.
- The GASTEC-QA word mark, logo or punch mark.

Additional marking for separate inserts:

- The SDR series and for the sizes $D_n \leq 32$ mm the nominal outside diameter x nominal wall thickness (Dn x e)

Method of marking:

- Non-erasable
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RECOMMENDATIONS FOR CUSTOMERS:

1. Check at the time of delivery whether:
 - 1.1 the producer has delivery in accordance with the agreement;
 - 1.2 the mark and the marking method are correct;
 - 1.3 the products show no visible defects as a result of transport etc.
 2. If you should reject a product on the basis of the above, please contact:
 - 2.1 Conval Nederland B.V. and, if necessary,
 - 2.2 Kiwa Nederland B.V.
 3. Consult the producer's processing guidelines for the proper storage and transport methods.
 4. Check whether this certificate is still valid by consulting Kiwa Nederland B.V. or the Kiwa website.
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