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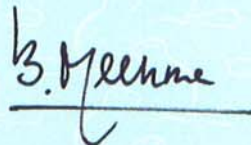
Product Certificate

Mechanical fittings for steel pipes.

Based on pre-certification tests as well as periodic inspections by Kiwa Gastec, the products referred to in this certificate and marked with the GASTEC QA mark, supplied by

Georg Fischer Fittings GmbH

may, on delivery, be relied upon to comply with the GASTEC QA Approval Requirements 91 for "Metal couplings for the connection of metal and plastic pipes", dated 1 October 1996.



Bouke Meekma
Director Kiwa N.V.

This certificate is issued in accordance with the Regulations for Bearing the GASTEC QA quality label

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

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Mechanical fittings for steel pipes.

PRODUCT SPECIFICATION

Mechanical fittings for the flexible connection of steel pipes

Material: cast steel.

Design: black or galvanized.

Max. working pressure 8 bar.

Applied to:

- above- and underground,
- for steel threaded pipes according to KE 15 (EN 10255).

Straight fitting	Dimensions: ½", ¾", 1", 1¼", 1½" and 2".
Straight fitting, long model	Dimensions: 1", 1¼", 1½" and 2".
T-piece with inner thread- branch	Dimensions: ½" x Rp ½", ¾" x Rp ¾", 1" x Rp 1", 1¼" x Rp 1¼", 1½" x Rp 1½" en 2" x Rp 2".
T-piece	Dimensions: ½", ¾", 1", 1¼", 1½" and 2".
Straight transition fitting, outer thread	Dimensions: ½" x R ½", ¾" x R ¾", 1" x R 1", 1¼" x R 1¼", 1½" x R 1½" and 2" x R 2".
Straight transition fitting, inner thread	Dimensions: 1/2" x Rp 1/2", 3/4" x Rp 3/4", Rp 1" x Rp 1", 1¼" x Rp 1¼", 1½" x Rp 1½" and 2" x Rp 2".
Elbow 90°	Dimensions: ½", ¾", 1", 1¼", 1½" and 2".
End cap	Dimensions: ½", ¾", 1", 1¼", 1½" and 2".

APPLICATION AND USE

Applies to fittings for above- and underground use for steel gas pipes with a working pressure of maximum 8 bar at temperatures between -20 and +60 °C.

MARKING

- The products are marked with the GASTEC QA logo.

Compulsory marking

Place of the mark: on the body;

- The manufacturer's name and/or trademark;
- The type of material
- The manufacturing batch number and/or date;
- The manufacturer's information for providing traceability;
- Maximum permitted pressure
- The connection dimension and type of pipe to be connected.

Method of marking:

- Non-erasable.
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Mechanical fittings for steel pipes.

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 Georg Fischer Fittings GmbH
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 the publication list for Gastec Certificates (Kluwer Handboek).
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