

Product certificate K7324/06

Issued 2024-04-15

Replaces K7324/05

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Ductile iron fittings

STATEMENT BY KIWA

With this product certificate, issued in accordance with the Kiwa Regulations for Certification, Kiwa declares that legitimate confidence exists that the products supplied by

Düker GmbH

as specified in this product certificate and marked with the Kiwa®-mark in the manner as indicated in this product certificate may, on delivery, be relied upon to comply with Kiwa evaluation guideline

BRL K772: "Ductile cast iron pipes and fittings for the transport of drinking water" dated 2018-12-01,

which covers the requirements of

NEN-EN 545:2010 "Ductile iron pipes, fittings and connections for water pipelines – Requirements and test methods".

Ron Scheepers
Kiwa

Publication of this certificate is allowed.

Advice: consult www.kiwa.nl in order to ensure that this certificate is still valid.

CERTIFICATE

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Certification process
consists of initial and
regular assessment of:

- quality system
- product

Ductile iron fittings

PRODUCT SPECIFICATION

The products mentioned below belong to this technical approval-with-product certificate

| Product Abbreviation | Product description | Diameter 1 DN (mm) | Diameter 2 DN (mm) | Bend | Socket joint seal |
|-------------------------|---|-----------------------|-----------------------|--------------------------|----------------------|
| FF | Flanged pipes | 40 - 1200 | | | |
| FFM | Flanged pipes with wall flange | 40 - 1200 | | | |
| E | Flanged sockets | 40 - 1200 | | | Tyton |
| EU | Flanged sockets | 40 - 1200 | | | Tyton, Standard |
| F | Flanged spigots | 40 - 1200 | | | |
| MQ | Single socket bends right angle | 40 - 600 | | 90° | Tyton, Standard |
| MMQ | Double socket bends right angle | 40 - 1200 | | 90° | Tyton, Standard |
| MK | Single socket bends | 40 - 800 | | 11,25°-22,5°- 30°-45° | Tyton, Standard |
| MMK | Double socket bends | 40 - 1200 | | 11,25°-22,5°- 30°-45° | Tyton, Standard |
| MMA | Double socket tees with flanged branch | 80 - 1200 | 80 - 1200 | | Tyton, Standard |
| MMB | All socket tees | 80 - 1200 | 80 - 1200 | | Tyton, Standard |
| MMC | Double socket pieces with 45° socket branch | 80 - 800 | 80 - 800 | | Tyton, Standard |
| MMR | Double socket tapers | 80 - 1200 | 80 - 1000 | | Tyton, Standard |
| Q | Double flanged bends | 40 - 1200 | | 90° | |
| N | Double flanged duckfoot bends | 50 - 1200 | | 90° | |
| FFK | Double flanged bends | 40 - 1200 | | 11,25°-22,5°- 30°-45° | |
| T | All flanged tees | 40 - 1200 | 40 - 1200 | | |
| FFC | Double flanged piece with 45° flanged branch | 50 - 1200 | 50 - 1200 | | |
| TT | All flanged cross tees | 40 - 1000 | 40 - 1000 | | |
| FFR | Double flanged tapers, concentric | 40 - 1200 | 25 - 1000 | | |
| FFRe | Double flanged tapers, excentric | 80 - 1200 | 40 - 1000 | | |
| X | Blank flanges | 25 - 1200 | | | |
| XG | Blank flanges with threaded bore | 25 - 1200 | 3/8" - 4" | | |

The socket joints for the Tyton and Standard sealing rings can be extended with an extra socket joint for the Novo-Sit retaining ring. The Novo-Sit retaining ring will not come into contact with the medium and produces a tensile restraining end connection.

FF and FFM samples can be made in customer-specific lengths.

The fittings come standard with an internal and external epoxy coating in blue or red-brown.

At the request of the customer, the attachments can be threaded lugs or flanges.

Ductile iron fittings

Fitness for contact with drinking water


This product is approved on the basis of the requirements for hygienic aspects set in the "Regeling materialen en chemicaliën drink- en warm tapwatervoorziening" ("Materials and chemicals in the supply of drinking water and warm tap water Regulation" dated 01-07-2017; published in the Government Gazette).

These hygienic aspects are based on two main criteria. The product shall permanently comply with:

- The product recipe approved during the assessment procedure. This recipe is not to be changed without prior approval by Kiwa according to the Kiwa approval procedure for the hygienic aspects;
- Specific product requirements for the hygienic aspects.

The recipe and specific product requirements are laid down in the for confidentiality reasons undisclosed 'appendix hygienic aspects' to this certificate.

MARKING

The Kiwa®-mark products are marked with the word mark "KIWA 

Place of the mark: on the fitting.

Compulsory specifications:

- manufacturer's name or logo;
- the last two digits of the production year;
- material specification;
- external diameter (in mm) range of the piping with which the coupling can be used;
- nominal pressure.

Method of marking:

- Non-erasable;
- visible after assembly.

APPLICATION AND USE

The products are intended to be applied in piping systems for the transport of drinking water met de nominal size of DN 40 up to and including DN 700 with a with a maximum water pressure 1 MPa and water temperature of 30 °C.

RECOMMENDATIONS FOR CUSTOMERS

Check at the time of delivery whether:

- the supplier 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 etc.

If you should reject a product on the basis of the above, please contact:

- Düker GmbH
- and, if necessary,
- Kiwa Nederland B.V.

Consult the supplier's processing guidelines for the proper storage and transport methods.