



## Product certificate K21502/03

Issued 2018-03-01

Replaces K21502/02

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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

### Appendagefabriek Kolk B.V.

as specified in this product certificate and marked with the Kiwa<sup>®</sup>-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 iron pipes and fittings for the transport of drinking water"

which covers the requirements of

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

Luc Leroy  
Kiwa

*Publication of this certificate is allowed.*

*Advice: consult [www.kiwa.nl](http://www.kiwa.nl) in order to ensure that this certificate is still valid.*

CERTIFICATE

#### Kiwa Nederland B.V.

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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

Ductile cast iron pipes and fittings for the transport of drinking water

Product code	Product	DN
T	Tee (T) PN10/16	50 - 1200
FFC	Tee 45° branch (FFC) PN10/16	50 - 1200
SCH	Radial Tee (SCH) PN10/16	50 - 1200
Q	90° flanged bend (Q) PN10/16	50 - 1200
IQ	Flanged access bend (iQ) PN10/16	50 - 1200
WQ	Flanged bend with threadhole (WQ) PN10/16	50 - 1200
RQ	Flanged reduction bend (RQ) PN10/16	50 - 1200
FFK	45° flanged bend (FFK 45°) PN10/16	50 - 1200
FFK	30° flanged bend (FFK 30°) PN10/16	50 - 1200
FFK	22½° flanged bend (FFK 22½°) PN10/16	50 - 1200
FFK	11¼° flanged bend (FFK 11¼°) PN10/16	50 - 1200
FFR	Flanged taper (FFR) PN10/16	50 - 1200
FFRe	Flanged eccentric taper (FFRe) PN10/16	50 - 1200
FF	Double flanged pipe (FF) PN10/16	50 - 1200
FFM	Double flanged pipe with puddle flange (FFM) PN10/16	50 - 1200
FS	Flanged spigot pipe (FS) PN10/16	50 - 1200
FM	Flanged spigot pipe with puddle flange (FM) PN10/16	50 - 1200
N	Duckfoot bend (N) PN10/16	50 - 1200
RQN	Duckfoot reduction bend (RQN) PN10/16	50 - 1200
Y	All flanged Y PN10/16	50 - 1200
TT	All flanged cross (TT) PN10/16	50 - 1200
OMS	Bellmouth (OMS) PN10/16	50 - 1200
X	Blank flange (X) PN10/16	50 - 1200
XD	Blank flange with treadhole (XD) PN10/16	50 - 1200
Xde	Blank flange with eccentric threadhole (XDe) PN10/16	50 - 1200
Xr	Studded reducer flange (Xr) PN10/16	50 - 1200
Xre	Eccentric reducer flange (Xre) PN10/16	50 - 1200
XO	Studded adaptor flange (XO) PN10/DN1882	50 - 1200
VR	Distance block (VR)	50 - 1200
VRM	Distance block (VRM)	50 - 1200
EU	Flange-socket (EU) PN10/16	50 - 1200
F	Flange-spigot (F) PN10/16	50 - 1200
MMA	Flange on double socket tee (MMA) PN10/16	50 - 1200
RN	Dismantling joints not lockable (RN) PN10/16	50 - 1200
RO	Dismantling joints (RO) PN10/16	50 - 1200
RG	Flexible pipe joint (RG) PN10/16	50 - 1200
RGV	Flexible pipe joint tensile (RGV) PN10/16	50 - 1200

Lubricants and rubber seals shall not be applied. The suitable coating shall be applied as a primer layer, and shall satisfy the requirements of BRL-K759.

## Ductile iron fittings

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### 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"; 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  or the abbreviated work mark .

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 with a nominal size of DN 40 up to and including DN 600 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:

- Appendagefabriek Kolk B.V.
- and, if necessary,
- Kiwa Nederland B.V.

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