



## Product certificate K6106/09

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Replaces K6106/06

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### Clamp fittings for polyethylene piping for use of drinking water

#### 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

### Beulco GmbH & Co. KG

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-K17105 "Plastics piping systems of PE (Polyethylene) for the transport of drinking water and raw water" dated 03-10-2017.

Ron Scheepers  
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

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Certification process  
consists of initial and  
regular assessment of:

- quality system
- product

## Clamp fittings for polyethylene piping for use of drinking water

**PRODUCT SPECIFICATION**

The products mentioned below belong to this -product certificate

Metal fittings, in the following types:

**A. Coupling**

- |                             |                             |
|-----------------------------|-----------------------------|
| 1. type Beulco 77 no. 7701  | 5. type Beulco 77 no. 77111 |
| PE 16 x outer thread R 3/8  | PE 20 x inner thread G 3/8  |
| PE 20 x " R 1/2             | PE 25 x " G 1/2             |
| PE 25 x " R 3/4             | PE 32 x " G 3/4             |
| PE 32 x " R 1               | PE 40 x " G 1               |
| PE 40 x " R 1 1/4           | PE 50 x " G 1 1/4           |
| PE 50 x " R 1 1/2           | PE 63 x " G 1 1/2           |
| PE 63 x " R 2               | PE 75 x " G 2               |
| PE 75 x " R 2 1/2           |                             |
| 2. type Beulco 77 no. 77011 | 6. type Beulco 77 no. 77112 |
| PE 20 x outer thread R 3/8  | PE 16 x inner thread G 1/2  |
| PE 25 x " R 1/2             | PE 20 x " G 3/4             |
| PE 32 x " R 3/4             | PE 25 x " G 1               |
| PE 40 x " R 1               | PE 32 x " G 1 1/4           |
| PE 50 x " R 1 1/4           | PE 40 x " G 1 1/2           |
| PE 63 x " R 1 1/2           | PE 50 x " G 2               |
| PE 75 x " R 2               | PE 63 x " G 2 1/2           |
| 3. type Beulco 77 no. 77012 | 7. type Beulco 77 no. 7705  |
| PE 16 x outer thread R 1/2  | PE 16 x PE 16               |
| PE 20 x " R 3/4             | PE 20 x PE 20               |
| PE 25 x " R 1               | PE 25 x PE 25               |
| PE 32 x " R 1 1/4           | PE 32 x PE 32               |
| PE 40 x " R 1 1/2           | PE 40 x PE 40               |
| PE 50 x " R 2               | PE 50 x PE 50               |
| PE 63 x " R 2 1/2           | PE 63 x PE 63               |
|                             | PE 75 x PE 75               |
| 4. type Beulco 77 no. 77110 | 8. type Beulco 77 no. 77050 |
| PE 16 x inner thread G 3/8  | PE 20 x PE 16               |
| PE 20 x " G 1/2             | PE 25 x PE 20               |
| PE 25 x " G 3/4             | PE 32 x PE 25               |
| PE 32 x " G 1               | PE 40 x PE 32               |
| PE 40 x " G 1 1/4           | PE 50 x PE 40               |
| PE 50 x " G 1 1/2           | PE 63 x PE 50               |
| PE 63 x " G 2               | PE 75 x PE 63               |
| PE 75 x " G 2 1/2           |                             |

## Clamp fittings for polyethylene piping for use of drinking water

**B. Elbow**

1. type Beulco 77 no. 7730
 

PE 16 x outer thread	R 3/8
PE 20 x "	R 1/2
PE 25 x "	R 3/4
PE 32 x "	R 1
PE 40 x "	R 1 1/4
PE 50 x "	R 1 1/2
PE 63 x "	R 2
PE 75 x "	G 2 1/2
2. type Beulco 77 no. 77310
 

PE 20 x inner thread	G 1/2
PE 25 x "	G 3/4
PE 32 x "	G 1
PE 40 x "	G 1 1/4
PE 50 x "	G 1 1/2
PE 63 x "	G 2
PE 75 x "	G 2 1/2
3. type Beulco 77 no. 77300
 

PE 20 x outer thread	R 3/8
PE 25 x "	R 1/2
PE 32 x "	R 3/4
PE 40 x "	R 1
PE 50 x "	R 1 1/4
PE 63 x "	R 1 1/2
PE 75 x "	R 2
4. type Beulco 77 no. 77302
 

PE 16 x outer thread	R 1/2
PE 20 x "	R 3/4
PE 25 x "	R 1
PE 32 x "	R 1 1/4
PE 40 x "	R 1 1/2
PE 50 x "	R 2
PE 63 x "	R 2 1/2
5. type Beulco 77 no. 77301
 

PE 20 x PE 20
PE 25 x PE 25
PE 32 x PE 32
PE 40 x PE 40
PE 50 x PE 50
PE 63 x PE 63
PE 75 x PE 75
6. type Beulco 77
 

PE 25 x PE 20
PE 32 x PE 25
PE 40 x PE 32
PE 50 x PE 40
PE 63 x PE 50
PE 75 x PE 63
7. type Beulco 77
 

PE 16 x inner thread	G 1/2
PE 20 x "	G 3/4
PE 25 x "	G 1/2
PE 25 x "	G 1
PE 32 x "	G 3/4
PE 32 x "	G 1 1/4
PE 40 x "	G 1
PE 40 x "	G 1 1/2
PE 50 x "	G 1 1/4
PE 50 x "	G 2
PE 63 x "	G 1 1/2
PE 63 x "	G 2 1/2
PE 75 x "	G 2

**C. Tee**

1. type Beulco 77 no. 7718
 

PE 20 x 20 x branche	PE 20
PE 25 x 25 x "	PE 25
PE 32 x 32 x "	PE 32
PE 40 x 40 x "	PE 40
PE 50 x 50 x "	PE 50
PE 63 x 63 x "	PE 63
PE 75 x 75 x "	PE 75
2. type Beulco 77 no. 7719
 

PE 16 x 16 x branche	PE 20
PE 20 x 20 x "	PE 25
PE 20 x 20 x "	PE 16
PE 25 x 25 x "	PE 32
PE 25 x 25 x "	PE 20
PE 32 x 32 x "	PE 40
PE 32 x 32 x "	PE 25
PE 40 x 40 x "	PE 50
PE 40 x 40 x "	PE 32
PE 50 x 50 x "	PE 63
PE 50 x 50 x "	PE 40
PE 63 x 63 x "	PE 75
PE 63 x 63 x "	PE 50
PE 75 x 75 x "	PE 63



## Clamp fittings for polyethylene piping for use of drinking water

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### D. Cap nut

For the polyethylene tube couplings mentioned in A, B and C  
type Beulco 77, in the following nominal sizes

PE 16	PE 40
PE 20	PE 50
PE 25	PE 63
PE 32	PE 75

### E. Compression fittings

For the polyethylene tube couplings mentioned in A, B and C  
type Beulco 77, in the following nominal sizes

PE 16	PE 40
PE 20	PE 50
PE 25	PE 63
PE 32	PE 75

### F. Insert cone

type Beulco 77 no. 7700

PE	16 x 1,8	σ 5	N/mm <sup>2</sup> ,	, PN 6
"	16 x 2,0	σ 5	"	, PN 10
"	20 x 2,0	σ 5	"	, PN 10
"	25x2,0	σ 5	"	, PN 6
"	25x2,3	σ 5	"	, PN 10
"	32x2,0	σ 5	"	, PN 6
"	32x2,9	σ 5	"	, PN 10
"	40x2,3	σ 5	"	, PN 6
"	40x3,7	σ 5	"	, PN 10
"	50x2,9	σ 5	"	, PN 6
"	50x4,6	σ 5	"	, PN 10
"	63x3,6	σ 5	"	, PN 6
"	63x5,8	σ 5	"	, PN 10
"	75x6,9	σ 5	"	, PN 10
"	16x1,8	σ 3,2	"	, PN 6
"	16x2,7	σ 3,2	"	, PN 10
"	20x2,2	σ 3,2	"	, PN 6
"	20x3,4	σ 3,2	"	, PN 10
"	25x2,7	σ 3,2	"	, PN 6
"	25x4,2	σ 3,2	"	, PN 10
"	32x3,5	σ 3,2	"	, PN 6
"	32x5,4	σ 3,2	"	, PN 10
"	40x4,3	σ 3,2	"	, PN 6
"	40x6,7	σ 3,2	"	, PN 10
"	50x5,4	σ 3,2	"	, PN 6
"	50x8,3	σ 3,2	"	, PN 10
"	63x6,8	σ 2,5	"	, PN 6
"	63x10,5	σ 2,5	"	, PN 10
"	75x8,1	σ 2,5	"	, PN 6
"	75x12,5	σ 2,5	"	, PN 10

### 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.

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### 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:

The fittings and packaging shall be provided with at least the following marks:

- manufacturer's name, trade name or logo;
- nominal outside diameter in mm of the connecting pipe;
- pressure class;
- production period;
- for fittings with an internal supporting ring: the nominal wall thickness of the connecting pipe;
- PE type (PE 40, PE 80 or PE 100), depending on the field of application (Remark: this indication can be provided on the packaging only).

Method of marking:

- non-erasable;
- visible after assembly.

### APPLICATION AND USE

The PE pipes and fittings are intended to be applied in piping systems for the transport of drinking water and raw water with a maximum temperature of 40 °C in accordance with EN 12201. The pipes which may be used shall conform to the Kiwa evaluation guideline BRL-K17105.

### 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:

- Beulco GmbH & Co. KG
- and, if necessary,
- Kiwa Nederland B.V.

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