

Product certificate
K 12468/05

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Replaces K12468/04

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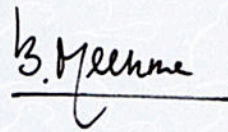
PP Clamp fittings for PE pipes in drinking water systems

STATEMENT BY KIWA

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

SAB S.p.A.

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 "Piping systems of PE for the transport of drinking water and raw water".



Bouke Meekma
Kiwa

Publication of the certificate is allowed.

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

Kiwa Nederland B.V.
Sir Winston Churchilllaan 273
Postbus 70
2280 AB RIJSWIJK
The Netherlands

Tel. +31 70 414 44 00
Fax +31 70 414 44 20
info@kiwa.nl
www.kiwa.nl



Supplier
SAB S.p.A.
Via Salvo D'Acquisto - zona ind.le
61048 S. ANGELO IN VADO
Italy

Tel. (+39) 722 810 000
Fax. (+39) 722 810 158

Importer
Wavin Overseas B.V.
Rollepaal 19
7701 BR Dedemsvaart
Holland

Tel. (+39) 523 -624911
Fax. (+39) 523-624600

Certification process consists of initial and regular assessment of:

- quality system
- product

PP Clamp fittings for PE pipes in drinking water systems

PRODUCT SPECIFICATION

Clamp fittings made of polypropylene for polyethylene pipes for use of drinking water according to evaluation guideline BRL-K17105 "plastics piping systems of PE for the transport of cold drinking water and raw water".

The dimensions and types, given in the table below are part of this product certificate.

Type	Execution	dimension
75	Reducing 90° tee	20x16x20, 25x20x25, 32x25x32, 40x32x40, 50x40x50, 63x50x63, 75x63x75, 90x75x90, 110x90x110, 110x63x110
80	90° Tee	16, 20, 25, 32, 40, 50, 63, 75, 90, 110
85	90° Female tee	16x½"x16, 16x¾"x16, 20x½"x20, 20x¾"x20, 25x½"x25, 25x¾"x25, 25x1"x25, 32x½"x32, 32x¾"x32, 32x1"x32, 32x1¼"x32, 40x1"x40, 40x1¼"x40, 40x1½"x40, 50x1¼"x50, 50x1½"x50, 50x2"x50, 63x1½"x63, 63x2"x63, 63x2½"x63, 75x2"x75, 75x2½"x75, 75x3"x75, 90x2½"x90, 90x3"x90, 110x3"x110, 110x4"x110
90	90° Male tee	16x½"x16, 16x¾"x16, 20x½"x20, 20x¾"x20, 25x½"x25, 25x¾"x25, 25x1"x25, 32x½"x32, 32x¾"x32, 32x1"x32, 32x1¼"x32, 40x1"x40, 40x1¼"x40, 40x1½"x40, 50x1¼"x50, 50x1½"x50, 50x2"x50, 63x1½"x63, 63x2"x63, 63x2½"x63, 75x2½"x75, 75x3"x75, 90x3"x90, 110x4"x110
95	Male adaptor	16x½", 16x¾", 20x1", 20x½", 20x¾", 25x½", 25x¾", 25x1", 32x½", 32x¾", 32x1", 32x1¼", 32x1½", 40x1", 40x1¼", 40x1½", 40x2", 50x1¼", 50x1½", 50x2", 63x1¼", 63x1½", 63x2", 63x2½", 75x2", 75x2½", 75x3", 90x2", 90x2½", 90x3", 90x4", 110x2", 110x3", 110x4"
100	Female adaptor	16x½", 16x¾", 20x½", 20x¾", 25x½", 25x¾", 25x1", 32x½", 32x¾", 32x1", 32x1¼", 40x1", 40x1¼", 40x1½", 50x1¼", 50x1½", 50x2", 63x1½", 63x2", 63x2½", 75x2", 75x2½", 75x3", 90x2", 90x2½", 90x3", 90x4", 100x2", 110x3", 110x4"
105	Coupling	16, 20, 25, 32, 40, 50, 63, 75, 90, 110
110	Reducing coupling	20x16, 25x16, 25x20, 32x20, 32x25, 40x25, 40x32, 50x32, 50x40, 63x32, 63x40, 63x50, 75x50, 75x63, 90x63, 90x75, 110x90, 110x63, 110x75
115	Plung	16, 20, 25, 32, 40, 50, 63, 75, 90, 110
120	90° Elbow	16, 20, 25, 32, 40, 50, 63, 75, 90, 110
125	90° Male elbow	16x½", 16x¾", 20x½", 20x¾", 25x½", 25x¾", 25x1", 32x½", 32x¾", 32x1", 32x1¼", 40x1", 40x1¼", 40x1½", 50x1¼", 50x1½", 50x2", 63x1½", 63x2", 63x2½", 75x2½", 75x3", 90x3", 90x4", 110x4"
130	90° Male elbow	16x½", 16x¾", 20x½", 20x¾", 25x½", 25x¾", 25x1", 32x½", 32x¾", 32x1", 32x1¼", 40x1", 40x1¼", 40x1½", 50x1¼", 50x1½", 50x2", 63x1½", 63x2", 63x2½", 75x2½", 75x3", 90x3", 90x4", 110x4"

Notes: for the fittings shall apply:

pressure class PN 16: fitting diameters 16 up till 63 mm;


pressure class PN 12.5: fitting diameters 75 up till 110 mm.

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MARKING

De fittings shall be marked with the Kiwa®-mark.

The minimum required marking on the products shall be:

- ◆ the Kiwa®-mark **KIWA** including ;
- ◆ 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 of the (PE 40, PE 80 or PE 100), depending on the field of application*.

* material indication is also allowed on every packaging

Location of the mark: every fitting.

The marks and indications shall be provided on each product and product packaging in a clear, legible and indelible way.

TOXICOLOGICAL REQUIREMENTS

Approval:

This product is approved on the basis of the requirements set in the "Regeling materialen en chemicaliën drink- en warm tapwatervoorziening" ("Regulation materials and chemicals drinking water and warm tap water supply"; published in the Government Gazette).

ATA criteria:

The ATA product certification is based on two main criteria. It shall permanently comply with:

- The product recipe approved during the assessment procedure. The recipe is laid down in the for confidentiality reasons undisclosed appendix ATA to certificate K12468. This recipe is not to be changed without prior approval by Kiwa according to the Kiwa-ATA-approval procedure;
- Specific ATA-product requirements, laid down in appendix ATA to certificate K12468. For confidentiality reasons this appendix ATA is not public.

APPLICATION AND USE

The products are intended for PE piping systems for the transport of drinking water and raw water heated to 40° degrees.

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:

- SAB S.p.A.

and, if necessary,

- Kiwa Nederland B.V.

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