



Product certificate K-0220491-1

Issued 2024-10-01

Replaces -

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PE butt welding fittings for potable water transport

KIWA DECLARATION

With this product certificate, issued in accordance with the Kiwa Regulations for Certification, Kiwa declares that there is justified confidence that the products delivered by

Georg Fischer Wavin AG

which are specified in this certificate and provided with the Kiwa® quality mark indicated under "Marking", comply upon delivery with the Kiwa assessment guideline BRL K17105 "Plastics piping systems of polyethylene for the transport of drinking water and raw water" dated 03-10-2017, including amendment sheet dated 21-04-2023.

Ron Scheepers
Kiwa

Publication of the certificate is permitted.

Advice: consult www.kiwa.com to check if this certificate is still valid.

CERTIFICATE

289/180711

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Certification process
consists of initial and
periodic assessment of:

- Quality system
- Product

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PRODUCT SPECIFICATIONS

The following products are covered by this product certificate:

Table 1 – Bends

d	SDR 11			SDR 17	
	30°	45°	90°	90°	
20			SL		
25			SL		
32			SL		
40			SL		
50			SL	SL	
63			SL	SL	
75			SL	SL	
90			SL	SL	
110			SL	SL	
125			SL	SL	
140			SL	SL	
160			SL	SL	
180			SL	SL	
200			SL	SL	
225			SL	SL	
250			SL	SL	
280			SL	SL	
315			SL	SL	

Table 2 – End caps

d	SDR 11	SDR 17
20	SL	
25	SL	
32	SL	
40	SL	
50	SL	SL
63	SL	SL
75	SL	SL
90	SL	SL
110	SL	SL
125	SL	SL
140	SL	SL
160	SL	SL
180	SL	SL
200	SL	SL
225	SL	SL
250	SL	SL
280	SL	SL
315	SL	SL

Table 3 – Elbows

d	SDR 11		SDR17	
	45°	90°	45°	90°
20	SL	SL		
25	SL	SL		
32	SL	SL		
40	SL	SL		
50	SL	SL	SL	SL
63	SL	SL	SL	SL
75	SL	SL	SL	SL
90	SL	SL	SL	SL
110	SL	SL	SL	SL
125	SL	SL	SL	SL
140	SL	SL	SL	SL
160	SL	SL	SL	SL
180	SL	SL	SL	SL
200	SL	SL	SL	SL
225	SL	SL	SL	SL
250	SL	SL	SL	SL
280	SL	SL	SL	SL
315	SL	SL	SL	SL
355		S		S
400		S		S
450				
500				

Table 4 – Tees 90°

d	SDR 11	SDR 17
20	SL	
25	SL	
32	SL	
40	SL	
50	SL	SL
63	SL	SL
75	SL	SL
90	SL	SL
110	SL	SL
125	SL	SL
140	SL	SL
160	SL	SL
180	SL	SL
200	SL	SL
225	SL	SL
250	SL	SL
280	SL	SL
315	SL	SL
355	SL	SL
400	SL	SL
450	SL	SL
500	SL	SL

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Table 5 – Reducer Tees 90°

d	SDR 11	SDR 17
63/50	SL	SL
75/50	SL	SL
75/63	SL	SL
90/50	SL	SL
90/63	SL	SL
110/63	SL	SL
110/75	SL	SL
110/90	SL	SL
125/110	SL	SL
160/63	SL	SL
160/75	SL	SL
160/90	SL	SL
160/110	SL	SL
180/160	SL	SL
200/63	SL	SL
200/90	SL	SL
200/110	SL	SL
200/160	SL	SL
225/75	SL	SL
225/90	SL	SL
225/110	SL	SL
225/160	SL	SL
225/180	SL	SL
250/110	SL	SL
250/160	SL	SL
315/110	SL	SL
315/180	SL	SL
315/250	SL	SL

Table 6 – Stub ends

d	SDR 11	SDR 17
20	S, SL	
25	S, SL	
32	S, SL	
40	S, SL	
50	S, SL	S, SL
63	S, SL	S, SL
75	S, SL	S, SL
90	S, SL	S, SL
110	S, SL	S, SL
125	S, SL	S, SL
140	S, SL	S, SL
160	S, SL	S, SL
180	S, SL	S, SL
200	S, SL	S, SL
225	S, SL	S, SL
250	S, SL	S, SL
280	S, SL	S, SL
315	S, SL	S, SL
355	S, SL	S, SL
400	S, SL	S, SL
450	S, SL	S, SL
500	S, SL	S, SL
560	S, SL	S, SL
630	S, SL	S, SL

Table 7 – Reducers

d	SDR 11	SDR 17
25/20	SL	
32/20	SL	
32/25	SL	
40/20	SL	
40/25	SL	
40/32	SL	
50/25	SL	SL
50/32	SL	SL
50/40	SL	SL
63/32	SL	SL
63/40	SL	SL
63/50	SL	SL
75/50	SL	SL
75/63	SL	SL
90/50	SL	SL
90/63	SL	SL
90/75	SL	SL
110/63	SL	SL
110/75	SL	SL
110/90	SL	SL
125/63	SL	SL
125/90	SL	SL
125/110	SL	SL
140/75	SL	SL
140/90	SL	SL
140/110	SL	SL
140/125	SL	SL

Table 7 – Reducers – continued

d	SDR 11	SDR 17
160/90	SL	SL
160/110	SL	SL
160/125	SL	SL
160/140	SL	SL
180/90	SL	SL
180/110	SL	SL
180/125	SL	SL
180/140	SL	SL
180/160	SL	SL
200/140	SL	SL
200/160	SL	SL
200/180	SL	SL
225/140	SL	SL
225/160	SL	SL
225/180	SL	SL
225/200	SL	SL
250/160	SL	SL
250/180	SL	SL
250/200	SL	SL
250/225	SL	SL
280/200	SL	SL
280/225	SL	SL
280/250	SL	SL
315/225	SL	SL
315/250	SL	SL
315/280	SL	SL

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Table 8 – Fixed flanges

d	
63	SL
90	SL
110	SL
125	SL
160	SL
180	SL
225	SL

Explanation of the letters used in the tables:

S = Butt weld accessory

SL = Butt welding accessory with extended spigot end(s), also suitable for connection with electrofusion attachment

E = Electrofusion accessory (not applicable in this certificate)

Suitability for contact with potable water

This product is approved based on the requirements for the hygienic aspects as laid down in the "Regulation on materials and chemicals for drinking and warm tap water supply" dated 01-07-2017; (published in the Government Gazette).

These hygienic aspects are based on two main criteria. The following shall be complied with at all times:

- the chemical formulation approved during the initial evaluation. Changes to this may only be implemented after the applicable approval procedure has been successfully completed;
- specific product requirements pertaining to the hygienic aspects.

For reasons of confidentiality, the chemical formulation and specific product requirements are detailed in a confidential 'annex on hygienic aspects' attached to this certificate.

MARKING

The marking and indications shall be properly, clearly and durably affixed to each fitting and to the product packaging.

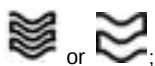
The fittings shall at least be marked as follows:

- factory name, trade name or logo;
- nominal outside diameter in mm of the connecting pipe;
- pressure class (PN);
- production code;
- material identification of the plastic PE 40 or PE 80 or PE 100.

Certification mark

After certification, the word "KIWA" and the Kiwa watermark shall also be indelibly applied to the fittings and the product packaging.

Kiwa-watermark:



After consultation with Kiwa:

- for small fittings, the combination "KIWA" and Kiwa watermark may be replaced by "KK";
- specified marking may be applied to the (smallest) packaging unit, e.g. because the fittings are too small to apply all marking to the fitting body

APPLICATION AND USE

The products (PE fittings) are intended for pipes intended for the transport of potable water and raw water with a maximum temperature of 40°C.

RECOMMENDATIONS FOR THE CUSTOMER

Upon delivery of the products check whether:

- the delivered product was as agreed;
- the marking and the method of marking are correct;
- the products show no visible defects (e.g. as a result of transport).

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Should you decide to reject the product on the basis of the above, please contact:

- Georg Fischer Wavin AG

and if necessary with:

- Kiwa Nederland B.V.

For the correct method of storage, transport and processing, please consult the processing instructions of the certificate holder.