
**Cevni sistemi iz polimernih materialov za napeljave z vročo in hladno vodo -
Polibuten (PB) - 3. del: Fitingi - Dopolnilo A2 (ISO 15876-3:2017/DAM 2:2020)**

Plastics piping systems for hot and cold water installations - Polybutene (PB) - Part 3:
Fittings - Amendment 2 (ISO 15876-3:2017/DAM 2:2020)

Kunststoff-Rohrleitungssysteme für die Warm- und Kaltwasser-installation - Polybuten
(PB) - Teil 3: Formstücke - Änderung 2 (ISO 15876-3:2017/DAM 2:2020)

Systèmes de canalisations en plastique pour les installations d'eau chaude et froide -
Polybutène (PB) - Partie 3: Raccords - Amendment 2 (ISO 15876-3:2017/DAM 2:2020)

[SIST EN ISO 15876-3:2017/oprA2:2021](https://standards.iteh.ai/catalog/standards/sist/2a5f520f-b5bb-4bcb-b558-b56c370ab20/sist-en-iso-15876-3-2017/oprA2:2021)

[https://standards.iteh.ai/catalog/standards/sist/2a5f520f-b5bb-4bcb-b558-](https://standards.iteh.ai/catalog/standards/sist/2a5f520f-b5bb-4bcb-b558-b56c370ab20/sist-en-iso-15876-3-2017/oprA2:2021)

Ta slovenski standard je istoveten z: EN ISO 15876-3:2017/prA2

ICS:

23.040.45	Fitingi iz polimernih materialov	Plastics fittings
91.140.60	Sistemi za oskrbo z vodo	Water supply systems

SIST EN ISO 15876-3:2017/oprA2:2021 en,fr,de

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 15876-3:2017/oprA2:2021](https://standards.iteh.ai/catalog/standards/sist/2a5f520f-b5bb-4bcb-b558-1ca6c370cb20/sist-en-iso-15876-3-2017-opra2-2021)

<https://standards.iteh.ai/catalog/standards/sist/2a5f520f-b5bb-4bcb-b558-1ca6c370cb20/sist-en-iso-15876-3-2017-opra2-2021>

DRAFT AMENDMENT

ISO 15876-3:2017/DAM 2

ISO/TC 138/SC 2

Secretariat: SNV

Voting begins on:
2020-11-27Voting terminates on:
2021-02-19

Plastics piping systems for hot and cold water installations — Polybutene (PB) —

Part 3: Fittings

AMENDMENT 2

Systèmes de canalisations en plastique pour les installations d'eau chaude et froide — Polybutène (PB) —

Partie 3: Raccords

AMENDEMENT 2

iTeh STANDARD PREVIEW
(standards.iteh.ai)

ICS: 23.040.45; 91.140.60

[SIST EN ISO 15876-3:2017/oprA2:2021](https://standards.iteh.ai/catalog/standards/sist/2a5f520f-b5bb-4bcb-b558-1ca6c370cb20/sist-en-iso-15876-3-2017-opra2-2021)

<https://standards.iteh.ai/catalog/standards/sist/2a5f520f-b5bb-4bcb-b558-1ca6c370cb20/sist-en-iso-15876-3-2017-opra2-2021>

THIS DOCUMENT IS A DRAFT CIRCULATED FOR COMMENT AND APPROVAL. IT IS THEREFORE SUBJECT TO CHANGE AND MAY NOT BE REFERRED TO AS AN INTERNATIONAL STANDARD UNTIL PUBLISHED AS SUCH.

IN ADDITION TO THEIR EVALUATION AS BEING ACCEPTABLE FOR INDUSTRIAL, TECHNOLOGICAL, COMMERCIAL AND USER PURPOSES, DRAFT INTERNATIONAL STANDARDS MAY ON OCCASION HAVE TO BE CONSIDERED IN THE LIGHT OF THEIR POTENTIAL TO BECOME STANDARDS TO WHICH REFERENCE MAY BE MADE IN NATIONAL REGULATIONS.

RECIPIENTS OF THIS DRAFT ARE INVITED TO SUBMIT, WITH THEIR COMMENTS, NOTIFICATION OF ANY RELEVANT PATENT RIGHTS OF WHICH THEY ARE AWARE AND TO PROVIDE SUPPORTING DOCUMENTATION.

This document is circulated as received from the committee secretariat.

ISO/CEN PARALLEL PROCESSING



Reference number
ISO 15876-3:2017/DAM 2:2020(E)

© ISO 2020

iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST EN ISO 15876-3:2017/oprA2:2021](https://standards.iteh.ai/catalog/standards/sist/2a5f520f-b5bb-4bcb-b558-1ca6c370cb20/sist-en-iso-15876-3-2017-opra2-2021)
<https://standards.iteh.ai/catalog/standards/sist/2a5f520f-b5bb-4bcb-b558-1ca6c370cb20/sist-en-iso-15876-3-2017-opra2-2021>



COPYRIGHT PROTECTED DOCUMENT

© ISO 2020

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by the European Committee for Standardization (CEN) Technical Committee CEN/TC 155, *Plastics piping systems and ducting systems*, in collaboration with ISO Technical Committee ISO/TC 138, *Plastics pipes, fittings and valves for the transport of fluids*, Subcommittee SC 2, *Plastics pipes and fittings for water supplies*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

A list of all parts in the ISO 15875 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

iTeh STANDARD PREVIEW **(standards.iteh.ai)**

[SIST EN ISO 15876-3:2017/oprA2:2021](https://standards.iteh.ai/catalog/standards/sist/2a5f520f-b5bb-4bcb-b558-1ca6c370cb20/sist-en-iso-15876-3-2017-opra2-2021)

<https://standards.iteh.ai/catalog/standards/sist/2a5f520f-b5bb-4bcb-b558-1ca6c370cb20/sist-en-iso-15876-3-2017-opra2-2021>

Plastics piping systems for hot and cold water installations — Polybutene (PB) —

Part 3: Fittings

AMENDMENT 2

Page 1, Clause 2

Add the normative references

ISO 2768-1, *General tolerances — Part 1: Tolerances for linear and angular dimensions without individual tolerance indications*

ISO 2768-2, *General tolerances — Part 2: Geometrical tolerances for features without individual tolerance indications*

ISO 6506-1, *Metallic materials — Brinell hardness test — Part 1: Test method*

ISO 6509-1, *Corrosion of metals and alloys — Determination of dezincification resistance of copper alloys with zinc — Part 1: Test method*

ISO 6509-2, *Corrosion of metals and alloys — Determination of dezincification resistance of copper alloys with zinc — Part 2: Assessment criteria*

ISO 6957, *Copper alloys — Ammonia test for stress corrosion resistance*

Delete the normative references

EN 1254-3, *Copper and copper alloys — Plumbing fittings — Part 3: Fittings with compression ends for use with plastics pipes*

EN 1254-6 *Copper and copper alloys — Plumbing fittings — Part 6: Fittings with push-fit ends*

EN 1254-8 *Copper and copper alloys — Plumbing fittings — Part 8: Fittings with press ends for use with plastics and multilayer pipes*

Page 3, [Clause 3.2.1](#)

Replace the existing [Clause 3.2.1](#) with the new [Clause 3.2.1](#) below.

3.2.1 compression fitting

fitting with internal support in which the joint is made by screwing a union nut along a thread to compress a ring on the outside wall of the pipe and finally to cause a clamping of the pipe between the ring and the inner support of the fitting

Note 1 to entry: The fitting may be with or without sealing element

ISO 15876-3:2017/DAM 2:2020(E)

Page 3, [Clause 3.2.2](#)

Replace the existing [Clause 3.2.2](#) with the new [Clause 3.2.2](#) below.

3.2.2

radial press fitting

fitting, with internal support in which the joint is made by a radial compression of a ring with a pressing tool on the outside wall of the pipe to cause a clamping of the pipe between the ring and the inner support of the fitting

Note 1 to entry: The fitting may be with or without sealing element

Page 3, new term

Add new term [3.2.5](#) below.

3.2.5

axial press fitting

fitting with internal support in which the joint is made by an axial movement of a sleeve with a pressing tool to cause a clamping of the pipe between the sleeve and the inner support of the fitting

Note 1 to entry: The fitting may be with or without sealing element

Page 3, new term

Add new term [3.2.6](#) below.

3.2.6

Push-fit fitting

fitting, which incorporates a sealing element, a gripping device and uses an internal support. The joint is made by pushing the pipe into the fitting and a seal is achieved without the use of heat or tools.

Note 1 to entry: In some designs, this type of joint can be disconnected and re-connected or disconnected and the fitting re-used elsewhere.

Note 2 to entry: The internal support can be an integrated part of the fitting or a separate part (supporting sleeve).

Page 5, [Clause 4.2](#)

Replace the existing [Clause 4.2](#) with the new [Clause 4.2](#) below.

4.2 Metallic fitting material

Metallic materials for fittings intended to be used with components conforming to ISO 15875 shall be either copper alloys or stainless steel alloys. The alloys shall be defined according to a standard or regulatory document.

NOTE Examples for such standards and regulatory documents are listed in the bibliography.

For copper alloys, the fittings made thereof have to comply with the corrosion resistance requirements according to [Clause 8.2](#)

Page 5, [Clause 5.1](#)

Replace the existing Clause 5.1 with the new clause below.

5.1 Appearance

5.1.1 Appearance of plastic fittings

When viewed without magnification, the internal and external surfaces of fittings shall be smooth, clean and free from scoring, cavities and other surface defects to an extent that would prevent conformance with this standard. The material shall not contain visible impurities. Slight variations in appearance of the colour shall be permitted. Each end of a fitting shall be square to its axis.

5.1.2 Appearance of metal fittings

When viewed without magnification, the internal and external surfaces of fittings shall be clean, free from any residues from the production (e.g. free from cast sand, grease or release agent) and shall have no sharp edges or cracks.

Page 5, Clause 5.2

Replace the existing title of Clause 5.2 with the new title below.

iTeh STANDARD PREVIEW

5.2 Opacity of plastic fittings (standards.iteh.ai)

[SIST EN ISO 15876-3:2017/oprA2:2021](https://standards.iteh.ai/catalog/standards/sist/2a5f520f-b5bb-4bcb-b558-1ca6c370cb20/sist-en-iso-15876-3-2017-opra2-2021)

Page 5, Clause 6.1, first sentence

Replace the existing 1st sentence of Clause 6.1 with the new two sentences below

Dimensions of plastic fittings shall be measured in accordance with ISO 3126.

Dimensions of metal fittings shall be measured in accordance with ISO 2768-1 and/or part 2.

Page 9, Clause 6.3

Replace the existing Clause 6.3 with the new Clause 6.3 below.

6.3 Dimensions of metallic fittings - minimum wall thickness of fittings made of copper alloys

The minimum wall thickness shall be measured with a calibrated micrometer or equivalent instrument. The wall thickness shall be measured at three or more discrete places and efforts shall be made to find the minimum.

The minimum wall thickness at points A, B and C of the fitting (see [Annex A, Figure A.1, Figure A.2 and Figure A.3](#)) shall be in accordance with [Annex A, Table A.1](#) and [Figure A.1, A.2 and A.3](#) for fittings from rod, pressings or castings

The minimum wall thickness specified does not apply along the cone angle or to the thickness of the loose ring or sleeve where such a ring or sleeve has been or is intended to be deformed to form a seal. It also does not apply to internal pipe supports.