
**Thermoplastics piping systems for
fluids under pressure — Flange
adapters and loose backing flanges —
Mating dimensions**

AMENDMENT 1

iTeh STANDARD PREVIEW
*Systemes de canalisations thermoplastiques pour fluides sous
pression — Collets et brides folles plates — Dimensions de
raccordement*
(standards.iteh.ai)

AMENDEMENT 1

ISO 9624:2019/Amd 1:2021

<https://standards.iteh.ai/catalog/standards/sist/d739e49c-75b9-4467-80d3-53c084403e83/iso-9624-2019-amd-1-2021>



iTeh STANDARD PREVIEW (standards.iteh.ai)

ISO 9624:2019/Amd 1:2021

<https://standards.iteh.ai/catalog/standards/sist/d739e49c-75b9-4467-80d3-53c084403e83/iso-9624-2019-amd-1-2021>



COPYRIGHT PROTECTED DOCUMENT

© ISO 2021

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 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*.

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)**

ISO 9624:2019/Amd 1:2021

<https://standards.iteh.ai/catalog/standards/sist/d739e49c-75b9-4467-80d3-53c084403e83/iso-9624-2019-amd-1-2021>

Thermoplastics piping systems for fluids under pressure — Flange adapters and loose backing flanges — Mating dimensions

AMENDMENT 1

5.2, Table 1

In Table 1, replace the dimensions of d_n 630 with the following. All other dimensions of Table 1 and the associated table footnotes are kept unchanged.

Table 1 — Flange adapters — Dimensions for butt fusion systems

Nominal outside diameter of pipe and spigot ^a	Outside diameter of flange adapter head ^b	Outside diameter of flange adapter shank ^c	Radius of shoulder of flange adapter
d_n	D_4 min	D_5 min	r_f (+0,5 / -0,5)
630	695	642	6
^a The diameter of the spigot shall conform to the relevant product standard. ^b The actual value of D_4 should be as high as possible to ensure fitness for purpose of the assembly. See Annex C for higher recommended values of D_4 for PE100 flange adapters. ^c D_5 shall be measured in the middle of the radius r_f .			

5.2, Table 2

In Table 2, delete the full row corresponding to the dimension DN 700 for pipes d_n 630 and replace with the new dimension, DN 600 for pipes d_n 630, as follows. All other dimensions of Table 2 and the associated table footnotes are kept unchanged.

Table 2 — PN 10 designated loose backing flange dimensions for butt fusion systems

DN	Nominal outside diameter of pipe	PN 10 designated loose backing flanges					
		Outside diameter	Inside diameter	Pitch circle diameter	Bolts		
					Bolt hole diameter	Number	Screw thread ^a
	d_n	D_{min}	D_2	D_3	D_1	n	
600	630	780	645	725	30	20	M27
^a Metric screw thread sizes in millimetres conforming to ISO 261. ^b These dimensions are not specified in EN 1092-1.							

5.2, Table 3

In Table 3, delete the full row corresponding to the dimension DN 700 for pipes d_n 630 and replace with the new dimension, DN 600 for pipes d_n 630, as follows. All other dimensions of Table 3 and the associated table footnotes are kept unchanged.

Table 3 — PN 16 designated loose backing flange dimensions for butt fusion systems

DN ^a	Nominal outside diameter of pipe d_n	PN 16 designated loose backing flanges					
		Outside diameter D_{min}	Inside diameter D_2	Pitch circle diameter D_3	Bolts		
					Bolt hole diameter D_1	Number n	Screw thread ^b
600	630	840	645	770	36	20	M33
^a For loose backing flanges up to and including size DN 150, dimensions shall be as given in Table 2.							
^b Metric screw thread sizes in millimetres conforming to ISO 261.							

iTeh STANDARD PREVIEW
(standards.iteh.ai)

ISO 9624:2019/Amd.1:2021
<https://standards.iteh.ai/catalog/standards/sist/d739e49c-75b9-4467-80d3-53c084403e83/iso-9624-2019-amd-1-2021>

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

ISO 9624:2019/Amd 1:2021

<https://standards.iteh.ai/catalog/standards/sist/d739e49c-75b9-4467-80d3-53c084403e83/iso-9624-2019-amd-1-2021>