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

AMENDMENT 1

iTeh STANDARD PREVIEW
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*Systèmes de canalisations thermoplastiques pour fluides sous
pression — Collets et brides folles plates — Dimensions de
raccordement*

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>



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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*.

This corrected version of ISO 9624:2019/Amd 1:2021 incorporates the following correction:

— modifications to Table C.1 have been added.

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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	$D_4 \text{ min}$	$D_5 \text{ min}$	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 .			

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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.							

Annex C, Table C.1

In Table C.1, 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 C.1 and the associated table footnotes are kept unchanged.

Table C.1 — Recommended D_4 value for PE100 flange adapters

Backing flange DN	Nominal outside diameter of pipe and spigot ^a d_n	Recommended outside diameter D_4 of flange adapter, designed for loose backing flanges		
		PN 10b	PN 16c	PN 25d
600	630	695	725	Not applicable
^a The diameter of the spigot shall conform to the relevant product standard.				

