INTERNATIONAL STANDARD

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AMENDMENT 1
2020-11

Plastics piping systems for hot and cold water installations — Polyethylene of raised temperature resistance (PE-RT) —

Part 2: **Pipes**

AMENDMENT 1

Systèmes de canalisations en plastique pour les installations d'eau chaude et froide — Polyéthylène de meilleure résistance à la température (PE-RT) —

Partie 2: Tubes

AMENDEMENT 1

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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*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 155, *Plastics piping systems and ducting systems*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

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Plastics piping systems for hot and cold water installations — Polyethylene of raised temperature resistance (PE-RT) —

Part 2: Pipes

AMENDMENT 1

6.2.2, Table 3

Replace Table 3 with the following table:

Table 3 — Pipe dimensions for dimension class A (sizes in accordance with ISO 4065 and applicable for all classes of service condition)

Dimensions in millimetres

Nominal size DN/OD	Nominal outside diameter	Mean outside diameter		Pipe series			
				S 5	S 4	S 3,2	S 2,5
				Wall thicknesses			
	d_n	$d_{em,min}$	$d_{em,max}$	e_{min} and e_n			
12	12	12,0	12,3	1,3	1,4	1,7	2,0
16	16	16,0	16,3	1,5	1,8	2,2	2,7
20	20	20,0	20,3	1,9	2,3	2,8	3,4
25	25	25,0	25,3	2,3	2,8	3,5	4,2
32	32	32,0	32,3	2,9	3,6	4,4	5,4
40	40	40,0	40,4	3,7	4,5	5,5	6,7
50	50	50,0	50,5	4,6	5,6	6,9	8,3
63	63	63,0	63,6	5,8	7,1	8,6	10,5
75	75	75,0	75,7	6,8	8,4	10,3	12,5
90	90	90,0	90,9	8,2	10,1	12,3	15,0
110	110	110,0	111,0	10,0	12,3	15,1	18,3
125	125	125,0	126,2	11,4	14,0	17,1	20,8
140	140	140,0	141,3	12,7	15,7	19,2	23,3
160	160	160,0	161,5	14,6	17,9	21,9	26,6
180	180	180,0	181,7	16,4	20,1	24,6	29,9
200	200	200,0	201,8	18,2	22,4	27,4	33,2
225	225	225,0	227,1	20,5	25,2	30,8	37,4
250	250	250,0	252,3	22,7	27,9	34,2	41,5

NOTE A non-preferred wall thickness of 1,1 mm is permitted for $d_n = 12$.

6.2.2. Table 7

Replace Table 7 with the following table:

Table 7 — Tolerance on wall thicknesses

Dimensions in millimetres

Minimum wall thickness e_{min}		Tolerance[a] x	Minimum wall thickness e_{min}		Tolerance[a] x
>	≤		>	≤	
1,0	2,0	0,3	25,0	26,0	2,7
2,0	3,0	0,4	26,0	27,0	2,8
3,0	4,0	0,5	27,0	28,0	2,9
4,0	5,0	0,6	28,0	29,0	3,0
5,0	6,0	0,7	29,0	30,0	3,1
6,0	7,0	0,8	30,0	31,0	3,2
7,0	8,0	0,9	31,0	32,0	3,3
8,0	9,0	1,0	32,0	33,0	3,4
9,0	10,0	1,1	33,0	34,0	3,5
10,0	11,0	1,2	34,0	35,0	3,6
11,0	12,0	1,3	35,0	36,0	3,7
12,0	13,0	1,4	36,0	37,0	3,8
13,0	14,0	1,5	37,0	38,0	3,9
14,0	15,0	1,6	38,0	39,0	4,0
15,0	16,0	1,7	39,0	40,0	4,1
16,0	17,0	1,8	40,0	41,0	4,2
17,0	18,0	1,9	41,0	42,0	4,3
18,0	19,0	2,0			
19,0	20,0	2,1			
20,0	21,0	2,2			
21,0	22,0	2,3			
22,0	23,0	2,4			
23,0	24,0	2,5			
24,0	25,0	2,6			

[a] The tolerance is expressed in the form $^{x}_{0}$ mm, where "x" is the value of the tolerance given. The level of the tolerances conforms to Grade V in ISO 11922-1.