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AMENDMENT 1
2018-07

Plastics piping systems for hot and cold water installations — Polypropylene (PP) —

Part 2: **Pipes**

AMENDMENT 1

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

Partie 2: Tubes

AMENDEMENT 1

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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).

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Plastics piping systems for hot and cold water installations — Polypropylene (PP) —

Part 2: Pipes

AMENDMENT 1

Page 10, Table 5

Replace Table 5 with the new Table 5 below, where larger dimensions (180 mm to 250 mm) have been added. The dimensions of 12 mm to 160 mm have been unchanged from the ISO 15874-2:2013 version.

Table 5 — Pipe dimensions for dimension class A

Dimensions in millimetres

Nominal size DN/OD	Nominal outside diameter	Mean outside diameter[b]		Pipe series						
				S 8[a]	S 6,3[a]	S 5	S 4[a]	S 3,2	S 2,5	S 2
				Wall thicknesses						
	d_n	$d_{em,min}$	$d_{em,max}$	e_{min} and e_n						
12	12	12	12,3	1,8	1,8	1,8	1,8	1,8	2,0	2,4
16	16	16	16,3	1,8	1,8	1,8	1,8	2,2	2,7	3,3
20	20	20	20,3	1,8	1,8	1,9	2,3	2,8	3,4	4,1
25	25	25	25,3	1,8	1,9	2,3	2,8	3,5	4,2	5,1
32	32	32	32,3	1,9	2,4	2,9	3,6	4,4	5,4	6,5
40	40	40	40,4	2,4	3,0	3,7	4,5	5,5	6,7	8,1
50	50	50	50,5	3,0	3,7	4,6	5,6	6,9	8,3	10,1
63	63	63	63,6	3,8	4,7	5,8	7,1	8,6	10,5	12,7
75	75	75	75,7	4,5	5,6	6,8	8,4	10,3	12,5	15,1
90	90	90	90,9	5,4	6,7	8,2	10,1	12,3	15,0	18,1
110	110	110	111	6,6	8,1	10,0	12,3	15,1	18,3	22,1
125	125	125	126,2	7,4	9,2	11,4	14,0	17,1	20,8	25,1
140	140	140	141,3	8,3	10,3	12,7	15,7	19,2	23,3	28,1
160	160	160	161,5	9,5	11,8	14,6	17,9	21,9	26,6	32,1
180	180	180	181,7	10,7	13,3	16,4	20,1	24,6	29,9	36,1
200	200	200	201,8	11,9	14,7	18,2	22,4	27,4	33,2	40,1
225	225	225	227,1	13,4	16,6	20,5	25,2	30,8	37,4	45,1
250	250	250	252,3	14,8	18,4	22,7	27,9	34,2	41,5	50,1

[a] Only valid for PP-RCT.

[b] The level of the tolerances conforms to Grade A in ISO 11922-1[2].

Page 11, Table 9

Replace Table 9 with the new Table 9 below, where wall thicknesses for larger dimensions (greater than 33,0 mm) have been added. The wall thicknesses up to 33,0 mm have been unchanged from the ISO 15874-2:2013 version.

Table 9 — 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	29,0	30,0	3,1
2,0	3,0	0,4	30,0	31,0	3,2
3,0	4,0	0,5	31,0	32,0	3,3
4,0	5,0	0,6	32,0	33,0	3,4
5,0	6,0	0,7	33,0	34,0	3,5
6,0	7,0	0,8	34,0	35,0	3,6
7,0	8,0	0,9	35,0	36,0	3,7
8,0	9,0	1,0	36,0	37,0	3,8
9,0	10,0	1,1	37,0	38,0	3,9
10,0	11,0	1,2	38,0	39,0	4,0
11,0	12,0	1,3	39,0	40,0	4,1
12,0	13,0	1,4	40,0	41,0	4,2
13,0	14,0	1,5	41,0	42,0	4,3
14,0	15,0	1,6	42,0	43,0	4,4
15,0	16,0	1,7	43,0	44,0	4,5
16,0	17,0	1,8	44,0	45,0	4,6
17,0	18,0	1,9	45,0	46,0	4,7
18,0	19,0	2,0	46,0	47,0	4,8
19,0	20,0	2,1	47,0	48,0	4,9
20,0	21,0	2,2	48,0	49,0	5,0
21,0	22,0	2,3	49,0	50,0	5,1
22,0	23,0	2,4	50,0	51,0	5,2
23,0	24,0	2,5			
24,0	25,0	2,6			
25,0	26,0	2,7			
26,0	27,0	2,8			
27,0	28,0	2,9			
28,0	29,0	3,0			

[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[2].

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