CERAMIC TUBES

Overview of materials and dimensions

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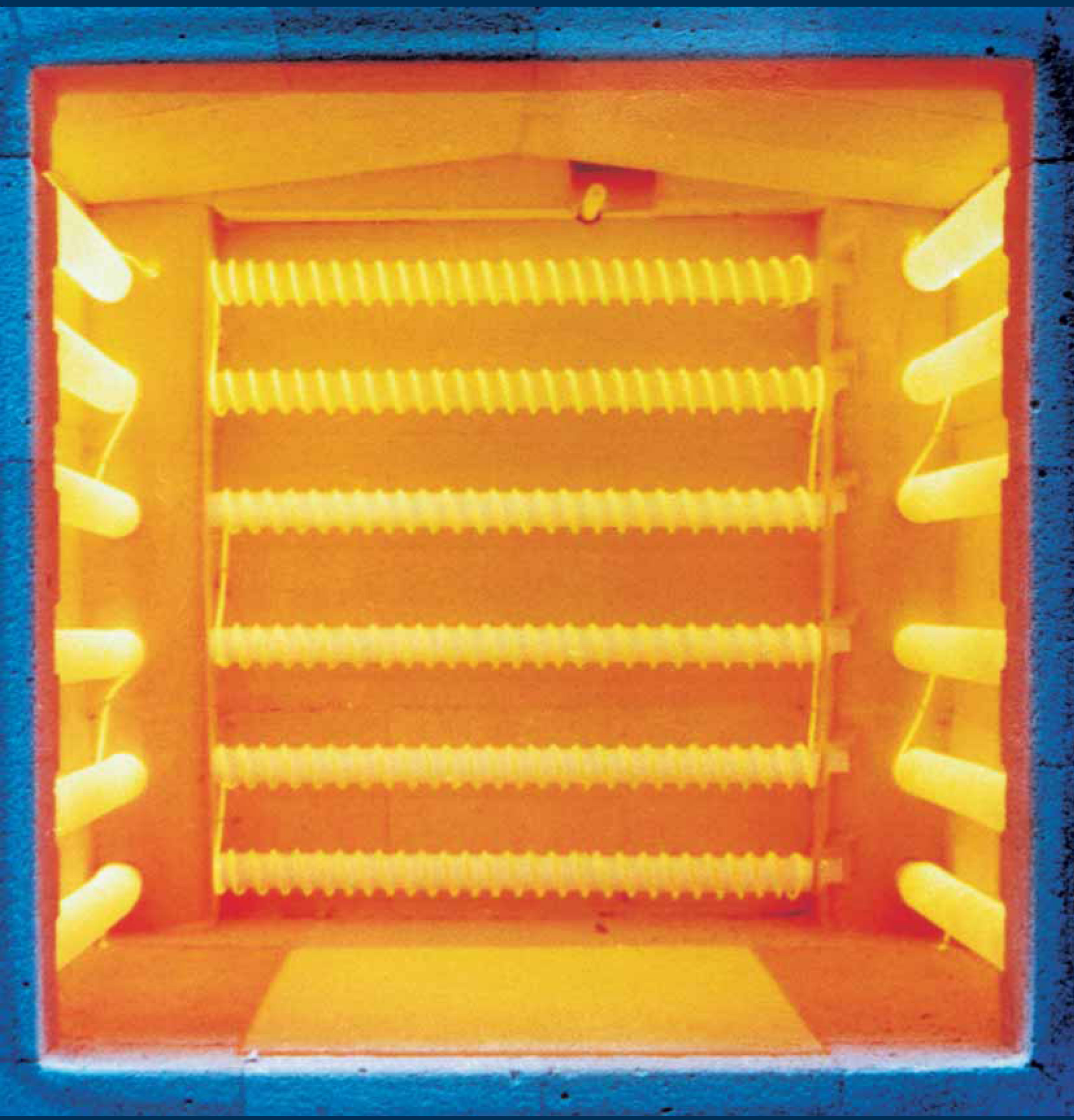

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CERAMIC TUBES

Our extensive range of tubes enables us to offer a ceramic solution for every application. The tables below list a small selection of typical dimensions for the different materials. We are always happy to produce special designs upon request.

I M P E R V I O U S

Alsint 99.7

Type C 799 to DIN EN 60672
Al_2O_3 content 99.7%

Outer / Inner Ø mm		Outer / Inner Ø mm	
0.8 x 0.3		30 x 23	
1.3 x 0.7		35 x 27	
1.6 x 1.0		42 x 34	
1.8 x 1.2		46 x 38	
2.0 x 1.0		50 x 40	
2.7 x 1.7		60 x 50	
3.0 x 2.0		65 x 56	
4.0 x 2.0		70 x 60	
5.0 x 3.0		75 x 65	
6.0 x 4.0		80 x 70	
8.0 x 5.0		85 x 75	
9.0 x 6.0		90 x 80	
9.6 x 6.4		100 x 85	
10.0 x 6.0		115 x 100	
12.0 x 8.0		120 x 100	
12.7 x 8.9		130 x 110	
14.0 x 10.0		140 x 120	
15.0 x 10.0		150 x 130	
17.0 x 12.0		170 x 150	
17.5 x 11.1		190 x 170	
20.0 x 15.0		220 x 200	
24.0 x 18.0		260 x 240	
26.0 x 20.0		320 x 300	
28.0 x 20.0		410 x 390	

max. length 4000 mm depending on outer Ø

Pythagoras

Type C 610 to DIN EN 60672
Al_2O_3 content approx. 60%,
Alkali content 3%

Outer / Inner Ø mm		Outer / Inner Ø mm	
1.3 x 0.7		28 x 22	
1.6 x 0.7		30 x 23	
1.8 x 1.2		35 x 27	
2.0 x 1.0		40 x 32	
2.7 x 1.7		50 x 40	
3.0 x 2.0		55 x 46	
4.0 x 2.0		60 x 50	
5.0 x 3.0		65 x 55	
6.0 x 4.0		70 x 60	
8.0 x 5.0		75 x 65	
9.0 x 6.0		80 x 70	
9.6 x 6.4		85 x 75	
10.0 x 6.0		90 x 80	
12.0 x 8.0		95 x 85	
12.7 x 8.9		100 x 85	
14.0 x 10.0		110 x 95	
15.0 x 10.0		120 x 100	
15.0 x 11.0		130 x 110	
17.0 x 12.0		140 x 120	
17.5 x 11.1		150 x 130	
20.0 x 15.0		160 x 140	
22.0 x 17.0		180 x 160	
24.0 x 19.0		200 x 180	
26.0 x 20.0		300 x 280	

max. length 4000 mm depending on outer Ø

Pythagoras 1800 Z

Al_2O_3 content approx. 76%,
Alkali content 0.5%

Outer / Inner Ø mm	
40 x 32	
48 x 40	
53 x 43	
60 x 52	
63 x 53	
70 x 60	
73 x 63	
75 x 65	
80 x 70	
82 x 72	
85 x 74	
86 x 76	
88 x 78	
93 x 83	
95 x 85	
100 x 90	
105 x 90	
115 x 105	
120 x 110	

max. length 2200 mm depending on outer Ø

Halsic-I

reaction-bound Si-infiltrated SiC, SiC content 85-88%, free Si content 12-15%

Outer / Inner Ø mm	
20 x 13	
22 x 15	
25 x 18	
28 x 20	
30 x 20	
40 x 30	
42 x 32	
45 x 35	
50 x 38	
55 x 41	
60 x 46	
70 x 56	
80 x 66	
90 x 76	

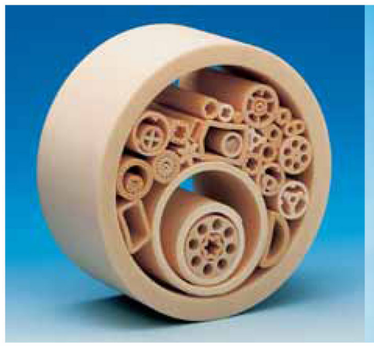
max. length 3400 mm depending on outer Ø

Zircon oxide

MgO, CaO, Y_2O_3 stabilised

Outer / Inner Ø mm	
1 x 0.5	
2 x 1	
4 x 2	
6 x 4	
7 x 5	
10 x 6	
12 x 9	
16 x 12	
20 x 15	
25 x 20	
30 x 23	
35 x 28	

max. length 1200 mm depending on outer Ø



P O R O U S

Sillimantin 60

Type C 530 to DIN EN 60672,
medium-fine structure,
Al_2O_3 content 72-74%

Outer / Inner Ø mm		Outer / Inner Ø mm	
10 x 6		120 x 100	
15 x 10		130 x 110	
24 x 19		140 x 120	
26 x 18		160 x 140	
28 x 22		200 x 175	
30 x 23		250 x 230	
35 x 27		330 x 310	
40 x 32			
50 x 40			
60 x 50			
70 x 60			
80 x 70			
90 x 75			
100 x 85			
110 x 95			

max. length 4000 mm depending on outer Ø

Sillimantin KS

medium-fine structure,
Al_2O_3 content 70%

Outer / Inner Ø mm	
15 x 7	
20 x 12	
20 x 15	
25 x 18	
30 x 20	
35 x 25	
40 x 30	
45 x 35	
50 x 40	
55 x 45	

max. length 1600 mm depending on outer Ø

Sillimantin 60 NG

medium-fine structure,
Al_2O_3 content 72-74%

Outer / Inner Ø mm		Outer / Inner Ø mm	
10 x 6		120 x 100	
15 x 10		130 x 110	
24 x 19		140 x 120	
26 x 18		160 x 140	
28 x 22		200 x 175	
30 x 23		250 x 230	
35 x 27		330 x 310	
40 x 32			
50 x 40			
60 x 50			
70 x 60			
80 x 70			
90 x 75			
100 x 85			
110 x 95			

max. length 3600 mm depending on outer Ø

Silicium carbide

fine and coarse structure,
SiC content 65-70%,
silicate bound

Outer / Inner Ø mm	
17 x 12	
20 x 15	
22 x 17	
24 x 19	
26 x 18	
26 x 20	
28 x 22	
30 x 23	
31 x 25	
33 x 28	
35 x 27	
40 x 32	
45 x 35	
50 x 40	
55 x 45	
60 x 50	
65 x 55	
70 x 60	
75 x 65	
80 x 70	
85 x 75	
90 x 75	

max. length 2000 mm depending on outer Ø

Halsic-R

recrystallized SiC,
SiC content ≥ 99%

Outer / Inner Ø mm	
15 x 5	
20 x 10	
22 x 12	
25 x 15	
30 x 20	
32 x 22	
34 x 24	
35 x 25	
40 x 30	
45 x 35	
50 x 38	
60 x 46	
70 x 56	
75 x 61	
80 x 66	

max. length 3000 mm depending on outer Ø

All dimensions available with:

- **both ends open**
- **one end closed**
- **both ends open with flange**
- **one end closed with flange**

Maximum outer diameter 410 mm.
Tolerances are in compliance with DIN 40680.
Customized tolerances upon request.

We supply single-hole and multi-bore insulators for thermocouples in the materials Alsint 99.7 Type C 799 and Pythagoras Type C 610.

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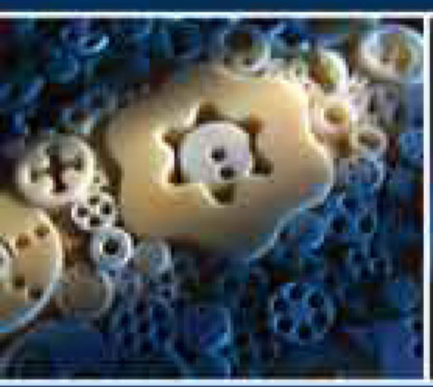
Electrolux
Електролукс

Variety
TUBES

Excellent Surface Finish
FUSED SILICA ROLLERS

Tradition
LABORATORY PORCELAIN



Long Service Life
ROLLERS

High Performance
HALSIC

Flexibility
SPECIALITIES

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