

THERMOCOUPLE PROTECTION TUBES KANTHAL® SUPER TUBES – UP TO 1700°C (3100°F)

TECHNICAL SPECIFICATION

These tubes are made of molybdenum disilicide (MoSi₂), as our Kanthal® Super heating elements. Kanthal® Super protection tubes have the following advantages:

- The highest operating temperature is 1700°C (3100°F).
- Porosity and brittleness are lower than for conventional ceramic protection tubes. The tubes are thus particularly suitable for operating at high temperatures and in corrosive furnace atmospheres.
- Metallic protection tubes can under circumstances be influenced by electromagnetic oscillations which may disturb the function of the thermocouple. Kanthal® Super protection tubes suppress such oscillations.

SPECIAL FEATURES

- High strength at high temperatures
- Good shape stability
- Excellent corrosion resistance
- Thermo shock resistance



Examples of applications for Kanthal® Super tubes. Protection tubes for thermocouples (left). Bubbler tubes for glass melting (right).



TECHNICAL INFORMATION

DIMENSIONS OF KANTHAL® SUPER TUBES

OUTER DIAMETER		WALL THICKNESS		MAX LENGTH	
mm	in	mm	in	mm	in
7	0.28	2.0	0.08	2000	78.74
10	0.39	2.0	0.08	2000	78.74
12	0.47	4.5	0.18	2000	78.74
12	0.47	3.0	0.12	2000	78.74
18	0.71	4.0	0.16	2000	78.74
22	0.87	4.5	0.18	2000	78.74
25	0.98	5.0	0.20	2000	78.74
32	1.26	7.0	0.28	1000	39.37
50	1.97	11.0	0.20	1000	39.37