

# **SUPERTHAL<sup>®</sup>**

## **SUPERTHAL Mini**

### **Compact Heating at High Temperature**

SUPERTHAL Mini is a complete compact heater ready to connect to the power supply. The standard inner diameter is 26 or 31 mm (1 or 1.2 in), and the maximum element temperature 1550°C (2820°F), which corresponds to a furnace temperature of around 1500°C (2730°F).

The heating element is made of KANTHAL<sup>®</sup> Super and the insulation high grade ceramic fiber. The stainless steel casing protects the heater and the electric contacts.

SUPERTHAL Mini is easy to control and can be rapidly heated up and cooled. The temperature profile is uniform.

### **Applications**

All types of melting and processing in the dental and medical industry and general material research and development.



# Technical Data

## Specifications

SUPERTHAL Mini consists of a MoSi<sub>2</sub> KANTHAL Super element, ceramic fiber with element supports and a stainless steel casing also protecting the electric contacts.

It is ready to be connected to the power supply.

The lifetime exceeds 3000 cycles to 1500°C (2730°F).

Special dimensions can be manufactured on request.

## Product Name

SUPERTHAL Mini, MS 26 or MS 31

Inner diameter	26 or 31 mm (1 or 1.2 in)
Outer diameter	100 mm (3.9 in)
Height	115 mm (4.5 in)
Element temp.	up to 1550°C (2820°F)
Element type	KANTHAL Super special

### MS 26

Power	300 W at 1500°C (2730°F)
Voltage	19 V
Current	16 A

### MS 31

Power	400 W at 1500°C (2730°F)
Voltage	24 V
Current	17 A



**Disclaimer:** The information contained in this document is for illustrative purposes only. The data and examples are only general recommendations, and not a warranty or a guarantee that such data will function in individual/specific cases. The purchaser of a Kanthal product has the responsibility to control the applicability of Kanthal's products in a specific application before using them.

© KANTHAL and SUPERTHAL are registered trademarks of Kanthal Group companies in Sweden and other countries.

### Kanthal – a Member of the Sandvik Group

The Sandvik Group is a global high technology enterprise with 41,700 employees and annual sales of approximately SEK 72 billion. Sandvik spends about 4 percent of its turnover on research and development. As a member of the Sandvik Group, Kanthal has full access to world-class competence within materials and process technology, as well as Sandvik's R&D-center in Sweden, which is one of the most distinguished in the world. Through Sandvik's global sales organization Kanthal is represented in 130 countries.

# KANTHAL

Kanthal – a Sandvik brand

Kanthal AB, Box 502, 734 27 Hallstahammar, Sweden Phone +46 220 21000 Fax +46 220 21166 [www.kanthal.com](http://www.kanthal.com)