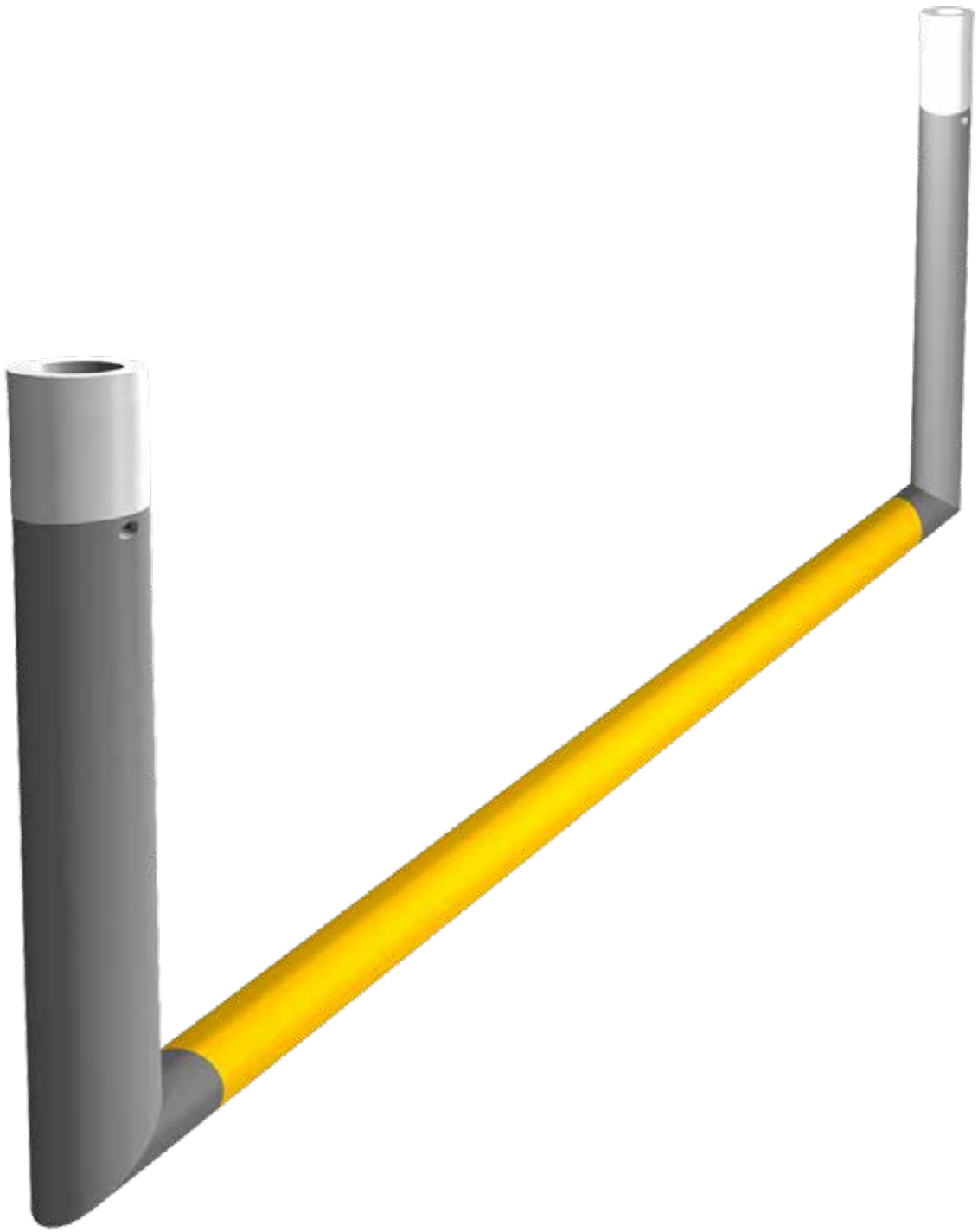
KANTHAL®

SILICON CARBIDE
HEATING ELEMENTS

GLOBAR® B



GLOBAR® B ELEMENTS A LEAP IN TECHNOLOGY

Kanthal® is the world's leading manufacturer of silicon carbide (SiC) heating elements. Globar® B elements are ideal for lift-off roof arrangements, for narrow channels, launders and feeders, for wide roofs and walls, and are easily installed.

EASY TO INSTALL THROUGH ROOF

Ideal for lift-off roof arrangements. All terminal connections are on the top surface, and no access to the sides is required.

Ideal for narrow channels, launders and feeders. Globar® B elements can be fitted along the length of the unit, instead of across the width so fewer elements are required, and all terminal connections are limited to the roof, leaving the sides free for access.

IDEAL FOR WIDE ROOFS AND WALLS

Globar® B elements can be arranged in zones to improve temperature uniformity inside the furnace. Conventional rod elements fit across the entire width or height of the furnace, and separate control zones are not possible.

With Globar® B elements, the interior surfaces of the furnace can be divided into multiple control zones, for improved temperature uniformity and control, and improved yield of the finished products.

INSTALLATION

Globar® B elements are best suited to installations with the terminals at the top, and are supported using support pins and washers. Where there is access under the roof elements can be located in type SL sleeves. Alternatively, for continuous furnaces, elements could be installed through slots or as part of a module, to allow removal from outside the furnace.

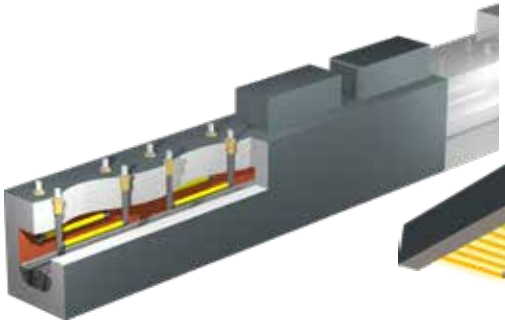
The element hot zone must be allowed to radiate freely and should be positioned at least one diameter away from the underside of the roof insulation, possibly more if the roof insulation is likely to sag.

Special precautions are required where Globar® B elements are installed with the cold ends horizontal, and more information is available on request.

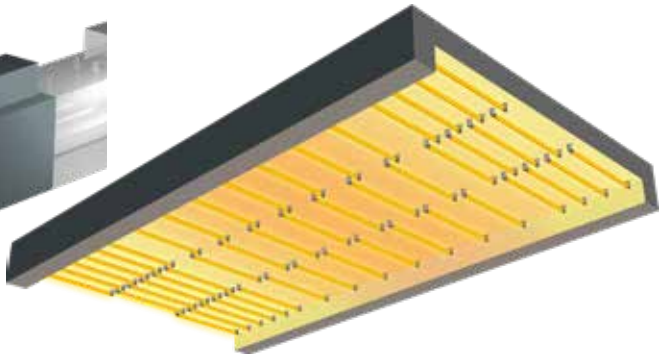
DESCRIPTION

Globar® B elements are described as follows:

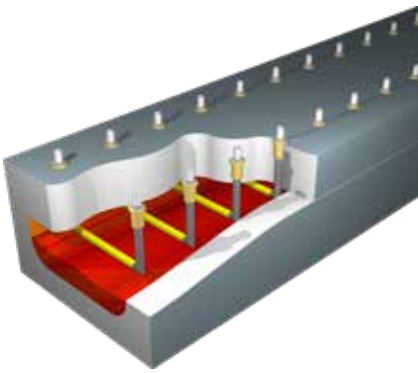
— Globar® grade
— Style
— Diameter
— Hot zone
— Cold end
— Support hole position
(should be at least 3 x element diameter)
— Resistance
— Resistance tolerance



Aluminum launder



Multi-zone radiant roof

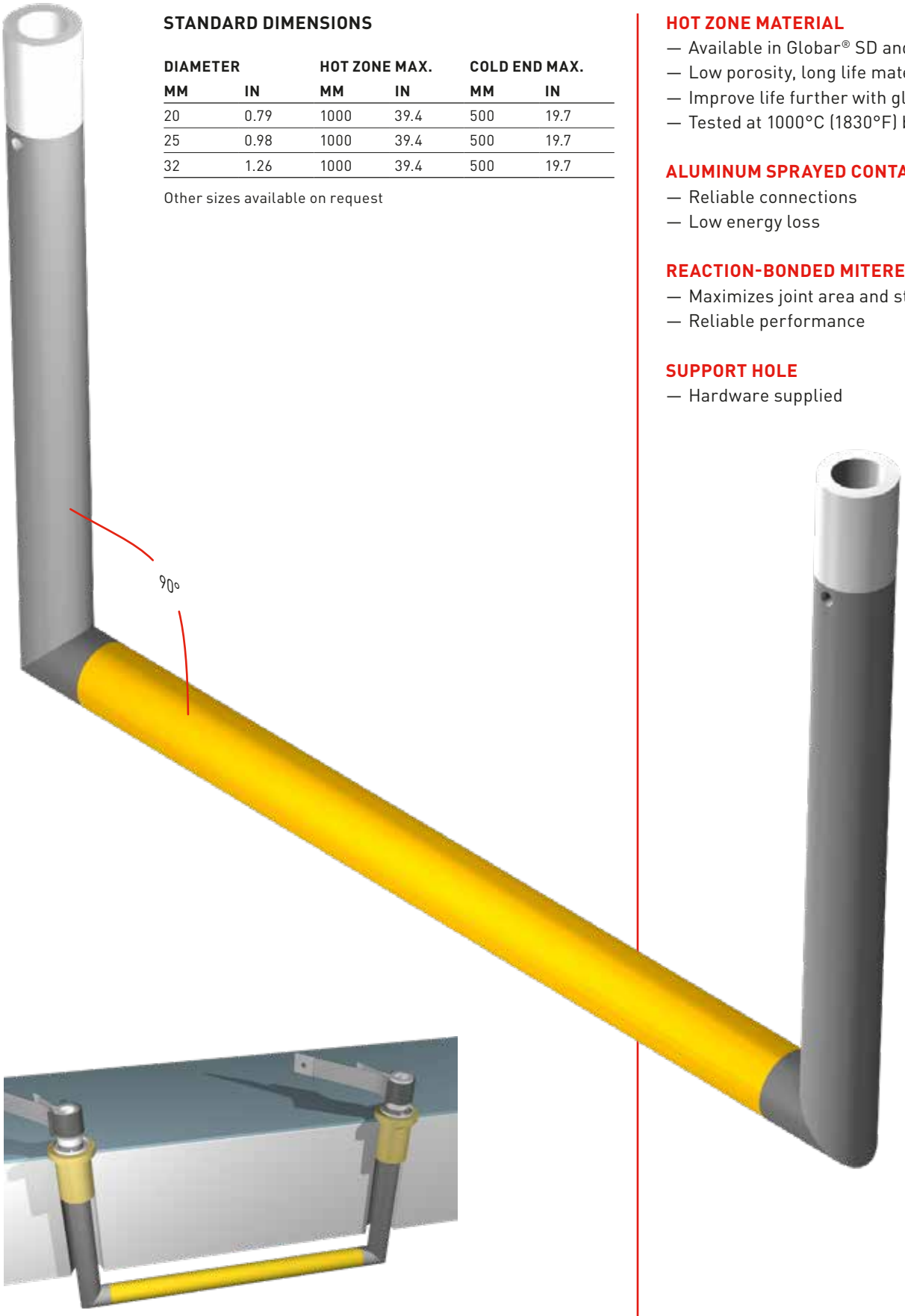


Glass feeder

STANDARD DIMENSIONS

DIAMETER		HOT ZONE MAX.		COLD END MAX.	
MM	IN	MM	IN	MM	IN
20	0.79	1000	39.4	500	19.7
25	0.98	1000	39.4	500	19.7
32	1.26	1000	39.4	500	19.7

Other sizes available on request



Globar® B elements through roof, with support pins and washers.

HOT ZONE MATERIAL

— Available in Globar® SD and Globar® AS grades
— Low porosity, long life material
— Improve life further with glazed hot zone
— Tested at 1000°C (1830°F) before shipping

ALUMINUM SPRAYED CONTACTS

— Reliable connections
— Low energy loss

REACTION-BONDED MITERED JOINTS

— Maximizes joint area and strength
— Reliable performance

SUPPORT HOLE

— Hardware supplied

KANTHAL®

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