

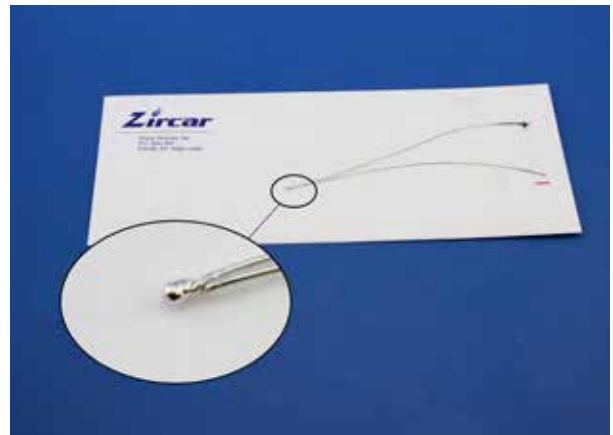
Hot Spot Repair Parts For Hot Spot 110 Lab Furnace

Thermocouples...

The furnace comes standard with a dual element type B platinum thermocouple. One thermocouple element is connected to the programmable temperature controller, while the other goes to the over-temp controller. The furnace is available with an optional extra thermocouple for direct connection to a remote chart recorder. The different thermocouples can be purchased as replacements, or bare wires can be purchased to insert into the protection tubing.

Items For 1700 °C Hot Spot	Item Number
Dual Element B-Type Thermocouple	FABTCDUAL
Type B Single Thermocouple Assembly	FABTCSINGLE
Type B Thermocouple 5.25" L Bare Wires	FABTC07

Items For 1600 °C Hot Spot	Item Number
Dual Element B-Type L Thermocouple	FABTCLDUAL



The thermocouple pictured on the left, the 1700 °C Hot Spot version of the item, has a longer protection tube. This is because this oven has a thicker insulation wall to penetrate. However, as you can see, the wires are the same size in both, making the bare wires, pictured above, a replacement for both types. Thermocouple wires are marked red for negative and black for positive.



Hot Spot Repair Parts (cont.)

Heating Elements...

The Hot Spot 110 is heated by four 1800 Celsius grade molybdenum disilicide heating elements. The elements have good heat and electrical conductivity, low thermal expansion and can withstand corrosion and oxidation.

Item	Item Number
Hot Spot Heating Element	FAB04



Element Holders...

The Hot Spot 110 Element Holders are made from the same [Zircar](#) Buster M-35 insulation as our hot face insulation as well as our sintering trays and alumina setter plate. The material can withstand continuous temperatures of 1725 °C. Element holders position heating elements so the conductive coating can make full contact with an element strap and the full length of heating section is in the hot zone.

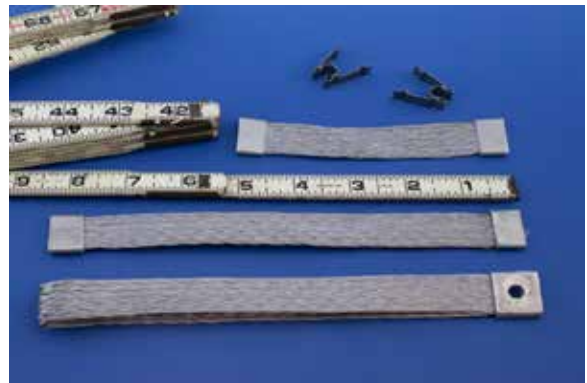
Item	Item Number
Element Holder	FAB14



Element Straps...

Each of our element straps are made from 75 amp braided aluminum and secured with highly corrosion resistant 1100 aluminum sheet on the ends to prevent fraying. The straps are size specific to the location within the element pattern. Element straps can also be custom made to fit your furnace.

Item	Item Number
100mm Element Strap	FAB21
185mm Element Strap	FAB22
200mm Element Strap - Terminal End	FAB23
Spring Clip 6mm	FAB24



Zircar Zirconia, Inc.
87 Meadow Road
P.O. Box 287
Florida, New York 10921

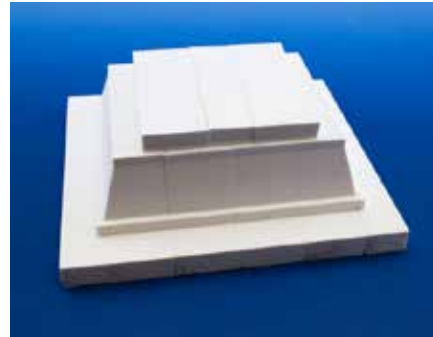
Phone: (845) 651-3040
Fax: (845) 651-0074
Email: sales@zircarzirconia.com
www.zircarzirconia.com

Hot Spot Repair Parts (cont.)

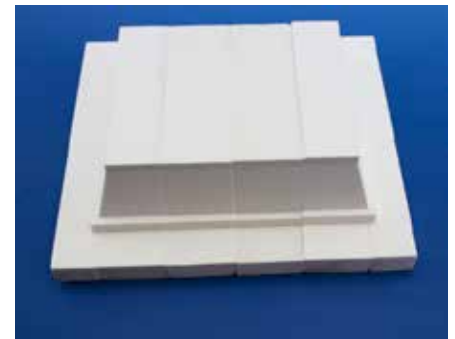
Hot Face Insulation...

Zircar manufactures all of the insulation from our own Buster alumina fibrous insulation. We stock replacement insulation for both our standard 1700 °C and our 1600 °C models. Our Buster insulation has excellent shock resistance and low thermal conductivity.

Items For 1700 °C Hot Spot	Item Number
Buster M-35 Roof Hot Face	FAEA05
Buster M-35 Floor Hot Face	FAEA06
Rear Hot Face ZZI Buster M-35	FAEA07
Hot Face Sides ZZI Buster M-35	FAEA08
Inner Side Door Sill ZZI Buster M-35	FAEA20
Outer Side Door Sill ZZI Buster M-35	FAEA21
Floor & Roof Sill ZZI Buster M-35	FAEA22
M-35 Door Assembly For FAA00	FAEADA-M35

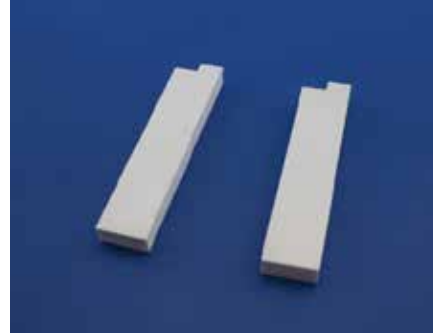


Door Assembly for
1700 °C Hot Spot

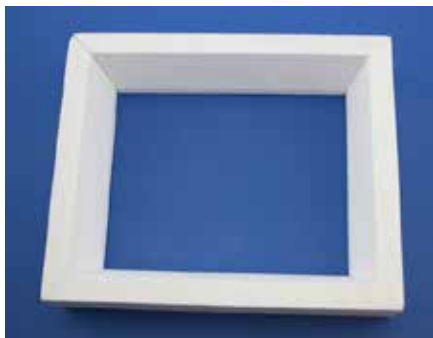


Door Assembly for
1600 °C Hot Spot

Items For 1600 °C Hot Spot	Item Number
Roof Hot Face ZZI Buster M-35 FAA00L	FAEA45
Floor Hot Face ZZI Buster M-35 FAA00L	FAEA46
Rear Hot Face ZZI Buster M-35 FAA00L	FAEA47
Sides Hot Face ZZI Buster M-35 FAA00L	FAEA48
M-35 Door Assembly For FAA00L	FAEADAL-M35



Buster M-35 Inner
Side Door Sill



Buster M-35 Door Sills FAEA21 & FAEA22



Buster M-35 Hot Face Floor for 1700 °C



Buster M-35 Hot Face Roof



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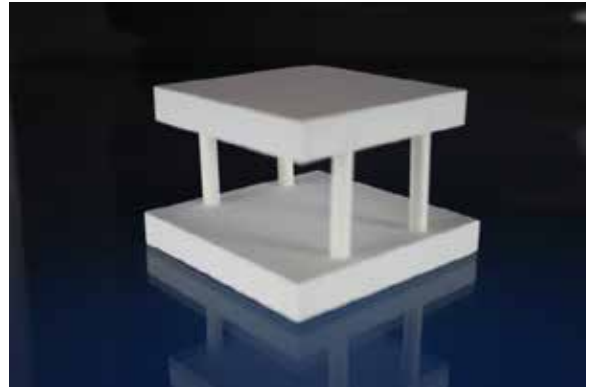
Phone: (845) 651-3040
Fax: (845) 651-0074
Email: sales@zircarzirconia.com
www.zircarzirconia.com

Other Interesting Products

Contact Us For A Quotation To Accessorize Your Hot Spot 110

Call: 845-651-3040

email: sales@zircarzirconia.com



Zircar machines custom shapes to your design specifications. Our capabilities include:

- 3D CNC Machining
- Layered Configurations
- Lap Joined Boards and Cylinders
- Diamond Wire Splitting of Cylinders



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