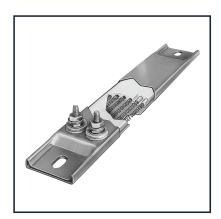


STRIP HEATERS



Strip heaters are used principally for convection-type air heating and clamp-on installations. Strip heaters, often known as component heaters, are a simple way of using surface area to transfer heat effectively. Steel strip heaters are an excellent industrial heating product and can be easily controlled by using a temperature controller such as a mechanical thermostat or a cost-effective bimetal thermostat that can be installed on the surface you are heating. Mounting holes are useful to mount the process heaters securely on almost any surface with terminal extending from the sheath for easy electrical connections. Strip heaters can be clamped or bolted onto objects or solid surface contact heating over large areas and are primarily used in indoor applications. Strip heaters are usually flat, straight and similar in shape to a ruler, but they are often finned for fuller heat radiation when they are used to heat air. They can also be used to heat tubes, pipes and nozzles, in which case they can be designed as circular bands that clamp around cylindrical objects. Strip heaters may be used individually or in groups to provide melting, drying or air heating. Strip heaters can also be used in the formation and shaping of plastics. In plastic extrusion, strip heaters can be used to assist in the plasticization of raw plastic stock while it is processed in a conveyance channel. They are also used to heat plastics in advance of bending processes.

Application

Strip heaters are designed for the heating of flat metallic parts (tools, plates, moulds, etc.) and for the indirect heating of fluids through a wall (tanks, containers, etc.) up to 600°C, 400 V1-ph. Strip heaters clamp or bolt onto objects into order to heat a variety of materials. When used as radiant heaters, they include finned strips to maximize surface area and heat transfer to the air. Strip heaters consist of a heating element, protective sleeve, and mounting hardware.

Surface heating

- Dies
 - Molds
 - Tanks
- Piping

· Dropping resistors

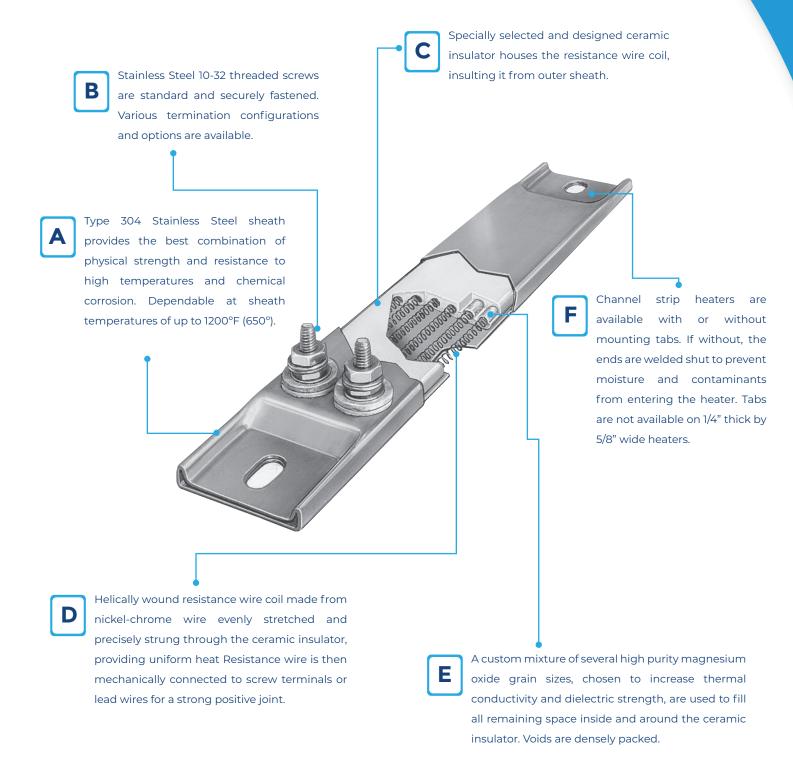
- Line applications in railroads and load banks
- Winterizing
 - Hoppers
 - Conveyors
 - Ducts
 - Car heating systems
 - Thawing

Process air heating

- Ovens
- Drying cabinets
- Baking ovens
- Vacuum dehydrating ovens
 Moisture protection for motors
- Dehumidifiers
- Pace heating
- · Packaging and sealing equipment
- · Food warming equipment
- Vulcanizing presses
- Drying equipment
- Laboratory equipment
- · Air conditioning

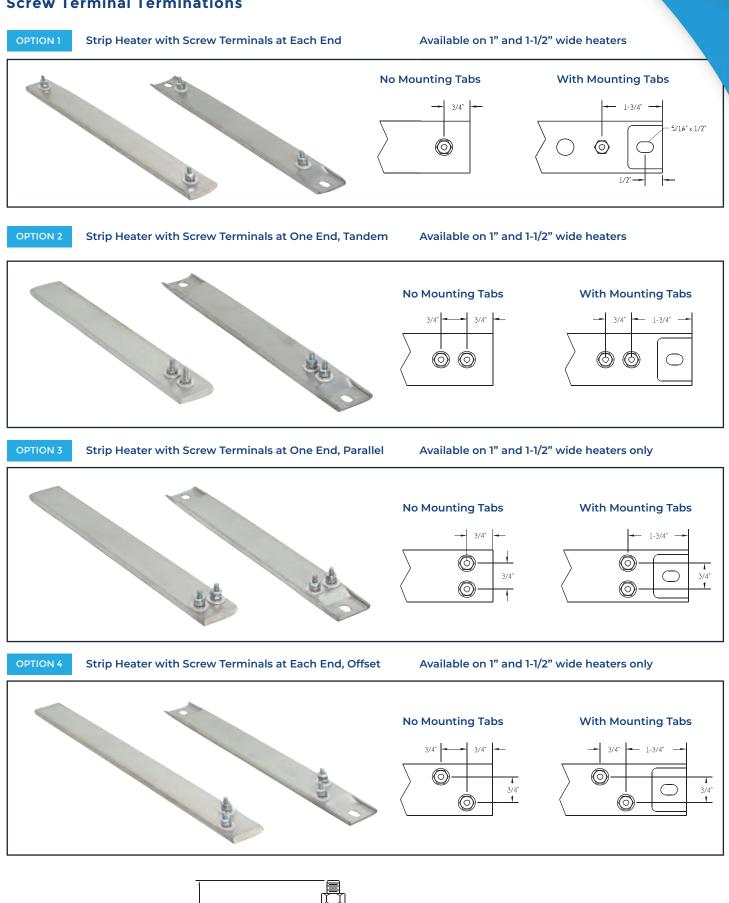








Screw Terminal Terminations





31/32"

10-32 Screw Terminal Height



Finned strip heaters are extremely efficient and dependable as a heat source for hundreds of industrial and commercial applications. They are used for both forced (mounted in a duct) and natural convection air heating (mounted at the bottom of cabinet type ovens). The finned strip heater's basic design consists of a helically wound resistance coil placed in a specially designed ceramic insulator. The resistance coil is mechanically connected to the screw terminal for positive connection. Stainless steel rectangular tubing is used to house the heater assembly. All remaining voids are filled with high purity magnesium oxide to increase thermal conductivity and dielectric strength. Nickel-plated steel fins (stainless steel optional) are mounted to the rectangular tubing. The fins have been specially designed to provide maximum surface contact for good heat dissipation into the finned cross sections, thus resulting in rapid heat transfer to the air.

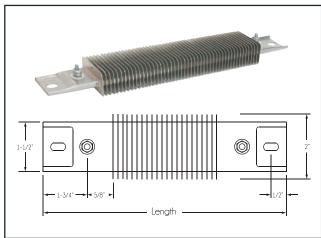
Design Features

- Rugged durable construction
- Stainless steel sheath
- Nickel-plated steel fins (stainless steel optional)
- Various termination
- Trouble-free installation

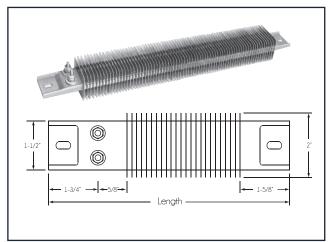
Applications

- Duct heating
- Shrinking tunnels
- Space heating
- Air heating
- Drying ovens
- Heat curing
- Food warmers
- Dehumidifier

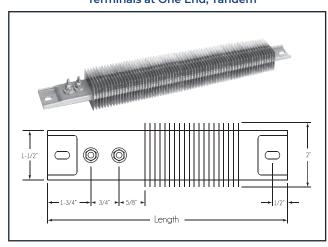
OPTION 1 Finned Strip Heater with Screw Terminals at Each End



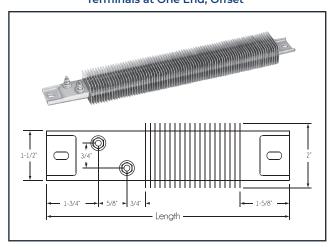
OPTION 3 Finned Strip Heater with Screw Terminals at One End, Parallel



OPTION 2 Finned Strip Heater with Screw Terminals at One End, Tandem



OPTION 4 Finned Strip Heater with Screw Terminals at One End, Offset

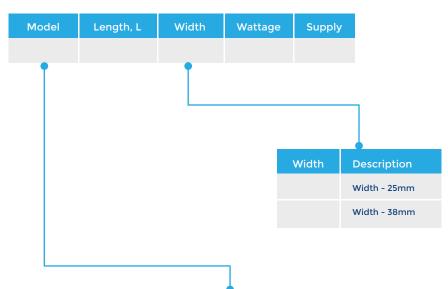






Ordering Table: Strip Heater Design

To Order: Please specify the complete assembly, indicate the code letter or value for each option.



| Model | Description |
|-------|---|
| | Strip Heater with Screw Terminals At Each End |
| | Strip Heater with Screw Terminals At One End, Tandem |
| | Strip Heater with Screw Terminals At One End, Parallel |
| | Strip Heater with Screw Terminals At One End, Offset |
| | Finned Strip Heater with Screw Terminal At Each End |
| | Finned Strip Heater with Screw Terminal At Each End, Tandem |
| | Finned Strip Heater with Screw Terminal At Each End, Parallel |
| | Finned Strip Heater with Screw Terminal At Each End, Offset |

Example:

Finned Strip Heater with Screw Terminals At Each End

- 200mm...Length
- 38mm...Width
- 1,000 Watts
- 220 Vac