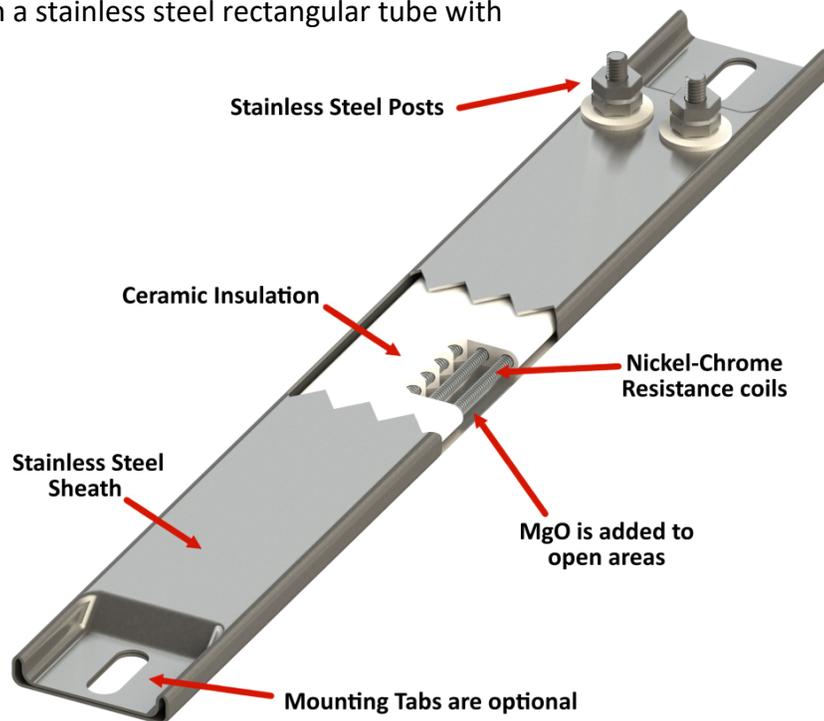


Channel Strip Heaters

Our Channel Strip Heaters are dependable and reliable flat heating elements – designed to provide efficient heat to flat surfaces from common to industrial applications. Our maximum channel cross section available channel length is 20 feet. The seamless sheath design of Channel Strips makes them ‘dimensionally’ stable in milled slots. Channel Strips are constructed with a stainless steel rectangular tube with a 1.5” x .312” rectangular dimension and a wall thickness at .030”. The inner construction consists of wound nichrome resistance coil. The inner flexible wire is strung through ceramic insulator pieces. The coils are attached to the screw terminals, or high temperature lead wires, for a positive connection. MgO (magnesium oxide) is used to fill and pack open areas surrounding the coils. The MgO material helps increase the elements thermal conductivity and dielectric strength.



Applications: Ovens, Hot Plates, Clamp-on water heating, Coffee urns, Vacuum pumps, Vulcanizers, Autoclaves, Core baking ovens, Space Heating, Pre-Heaters, Food Warmers, Dies, Mold heating, Valve houses, Pipe lines, Process welding, Platens, Melting, Baking, Tank Heating, Incubators, Air Heating, Ink drying, Crane cabs, Sealing Bars, Load Bank resistors, and Packaging.

Specifications and Tolerances:

Strip dimensions: 1-1/2" x 5/16" OR 1-1/2" x 3/8"

Outer width: 1-1/2" ± .010

Mounting Slot HOLE Size: 5/16" x 1/2"

Thickness 5/16 ± .005, 3/8 ± .08"

Length tolerance: ± 1/16" to 20", ± 1/16" over 20'

Max sheath temperature up to 1200°F (650°C)

Temperature Clamp-on surface 850°F (450°C)

Max Voltage: 480 VAC (depending on design parameters)

Max Lead Voltage recommended at 240 VAC

Max Amperage: 22 amps (for lead wire termination 10 amps)

Max screw terminations 10-32 UNF-25 amp

Resistance tolerance: +10% -5%

Wattage tolerance: +5% -10%

Recommended Wattage Max clamped to part in 70°F ambient air (multiply by 75% if insulated)

Wattage Density (nominal) 45 w/in²

See All our complete Channel Strips for the terminal design that meets your needs. Please call us EST 8-5 pm for any additional custom variation requirements: 513-228-0481.