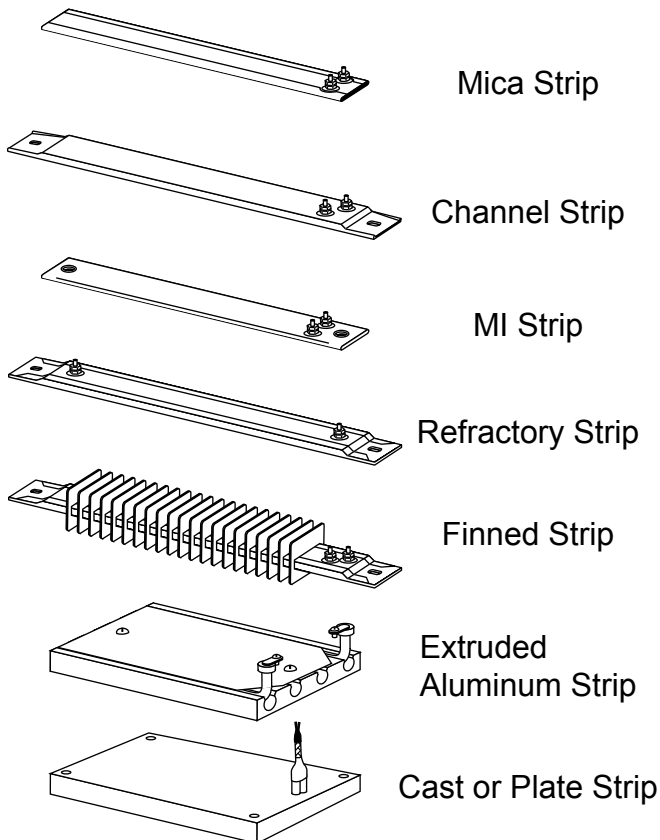


WHICH ? HEATER STRIP HEATERS

Knowing which strip heater to use to maximize your efficiency can be difficult. Heater life, start up time, process temperatures, durability, size and cost all play an important role in choosing the right heater. We have put this tech tip together to help you in this process. Keep in mind these are guidelines and that every application will have it's own set of unique challenges. Please consult your Proheat account manager with any questions concerning your application.

	Mica Strip	Channel Strip	MI Strip	Refractory Strip	Extruded Aluminum Strip	Cast or Plate Strip
Min. Length	2-1/2"	5-1/4"	8"	5-1/2"	6"	3"
Min. Width	3/4"	1"	3/4"	1-1/2"	1-1/2"	3/4"
Thickness	3/16"	5/16"	5/32"	3/8"	1/2"	3/4"
Sheath Temp	900° F	900° F	1400° F	1200° F	600° F	1350° F
Watt Density	35 W/in ²	20 W/in ²	100 W/in ²	38 W/in ²	35 W/in ²	45 W/in ²



Mica Strip heaters can be custom manufactured in 1 to 2 days. They can be manufactured to a wide range of lengths and widths. Both post terminals and lead wires are available. They are suited well for medium to high temperatures but should be designed at low watt densities.

Channel Strip heaters have long lead times. The length/width options are more restrictive than mica and are suited well for mid to high temperatures.

MI (Mineral Insulated) Strip heaters have long lead times. They have restricted lengths and widths. Several termination options are available. Good for high temperatures and high watt densities.

Refractory Strip heaters are available from stock in many lengths and voltage/wattage combinations. They have restricted length/width combinations and are suited well for high temperatures.

Finned Strip heaters are channel strips with metal fins added to aid in heat dissipation. They have restricted length/width combinations. They are suited well for air heating applications.

Extruded Aluminum Strip heaters have long lead times. They have restricted length/width combinations. They must run at lower temperatures (max. heater temp of 600° F) but are very rugged and stand up well in the presence of contamination.

Cast or Plate Strip heaters have long lead times. They can be manufactured to a wide range of lengths and widths. They can operate at high temperatures and are very rugged.