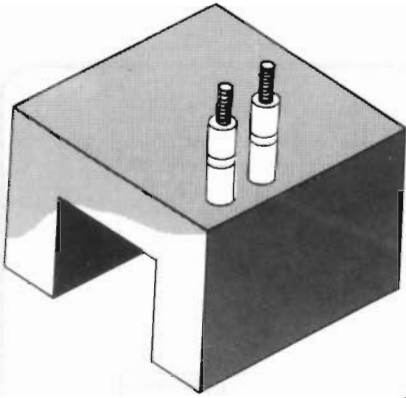


# HELIOS CAST-IN HEATERS



## CAST-IN HEATERS

Tubular Heaters can be cast-in aluminium, bronze, brass or iron to give a unit of long life, repeatability of product quality and versatility in design

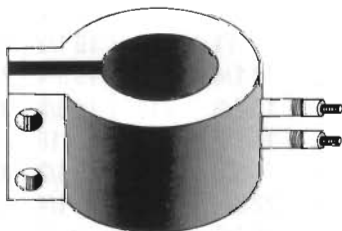
The mass of metal surrounding the cast-in heater provides a 'Heat-Sink' of excellent thermal conductivity. This results in high wattage capability with overall low watt-density, prolonged heater life, uniform heat transfer, stable and high temperatures that can be precisely controlled and increased resistance to thermal and mechanical shock.

## VERSATILITY

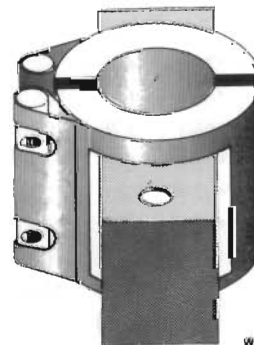
These units are used extensively on machinery that operate almost non-stop e.g. Extruders, injection moulders, heat sealers, hot plates, platens, dies roller heating etc., because of their durability and maintenance free life.

## CAST-IN BANDS

The cast in aluminium band heater consists of a metal sheathed, mineral insulated tubular element, formed to shape and cast into Aluminium using a pattern of required dimensions with allowances for machining. The bore is then machined to give a perfect fit between the heater and the heated part. Normally used on Plastic Extruders, injection and blow moulding machines, these elements have many advantages. They are robust, give even heat distribution, and allow higher wattage concentrations. Cooling coils and or fins can be incorporated in the unit.



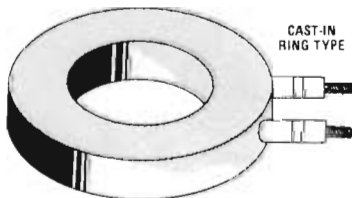
FULL BAND CONSTRUCTION WITH CLAMP LUGS



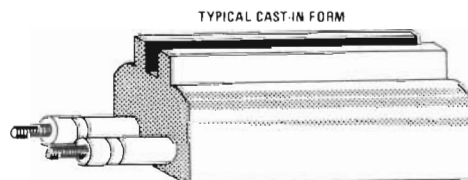
HALF BAND CONSTRUCTION WITH CLAMP BAND

## CAST-IN RINGS, BARS AND PLATES

Offer greater versatility in design, minimum machining on unusual shaped applications. e.g. Hotplates, Sealing Bars etc.



CAST-IN RING TYPE



TYPICAL CAST-IN FORM

## CAST-IN OVER THE SIDE IMMERSION

Good heat transfer and large heat outputs into such metals as solder, lead, tin and stereotype metal pots etc.

Please consult our engineers to see if your heating problems can be solved by cast-in heaters over the conventional type.