

CAST-IN HEATERS



This design features a cast-in heating element with an intergral cooling tube for uniform process control. Cooling tube sizes of 3/8" or 1/2" diameter are available in stainless steel or incoloy. Dual cooling tubes are also available to prevent any downtime associated with clogged cooling lines. A variety of electrical and cooling tube terminations are provided to customize the designs to your specifications. Mounting the heaters to the extruder barrel can utilize a strap on or bolt on configuration.

- Heater Type:** 1/2 Round Strap-on (set)
 1/2 Round bolt-on (set)
 Full Ring (piece)

- Material:** Aluminum 800°F (427°C) Bronze/Copper Allows 1400°F (769°C) Iron 900°F(482°C)

Dimensions: ID _____ Width _____ Thickness (1 3/4 STD) _____

Electrical: Watts/Half _____ Volts/Half _____ Phase _____

- Cooling:** Single, 3/8 OD, SS. Single, 1/2 OD, SS.
 Single, 1/2 OD, Incoloy. Dual, 1/2 OD, SS.
 Dual, 1/2 OD, Incoloy.

- Electrical Terminations:** Type S-Thread Stud. Type A-Right Angle Term
 Type T-Ceramic Cap Type C-Armor Cable
 Other _____ Length _____

- Cooling Terminations:** Type C-Plain Tube. Type C6-Cast-in 3/8 FPT
 Other _____

Special Features: _____

(Cutouts, T/C Holes, Special Machining, Mounting Studs)

Electrical: Resistance tolerance NEMA standard +10% -5%

Element Diameter	0.200	0.260	0.315	0.430	0.475
Maximum Volts	240	240	277	600	600

(Three phase available on large heaters.) Maximum watt densities depends on size and application. Consult STS Engineer

Holes, Cutouts, Thermowells: Mounting or clearance holes, cutouts and thermowells, for inserting temperature measurement probes, cast in or machined per your specifications

Inserts: Threaded studs, precision component parts, bushings and special design parts cast accurately in place