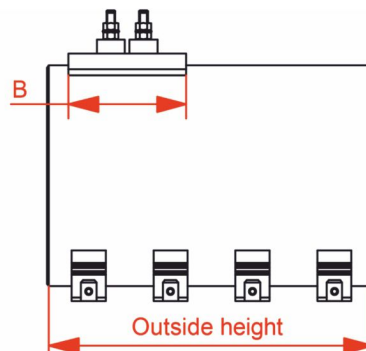
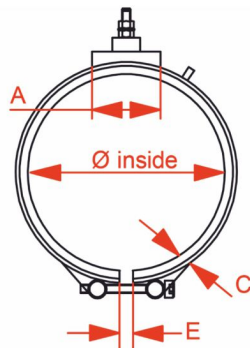
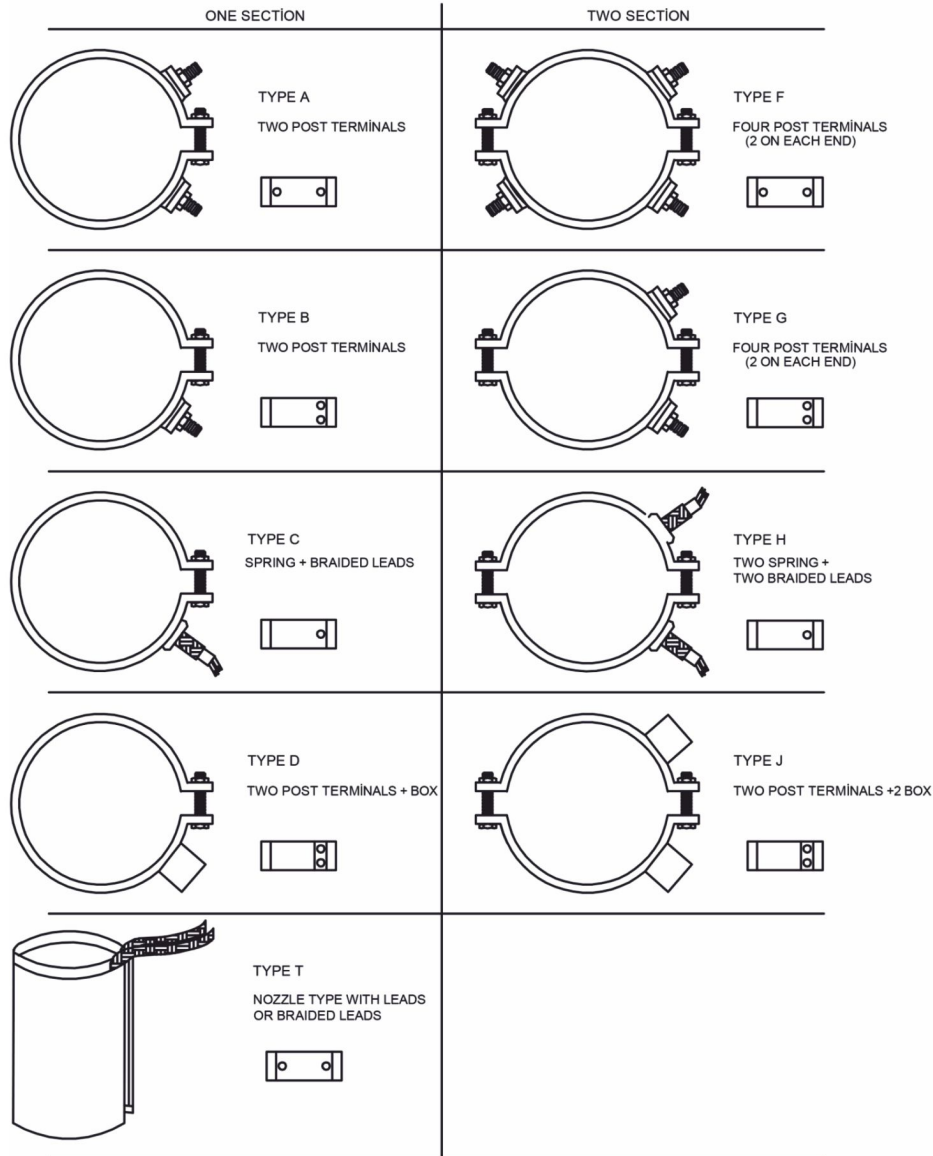


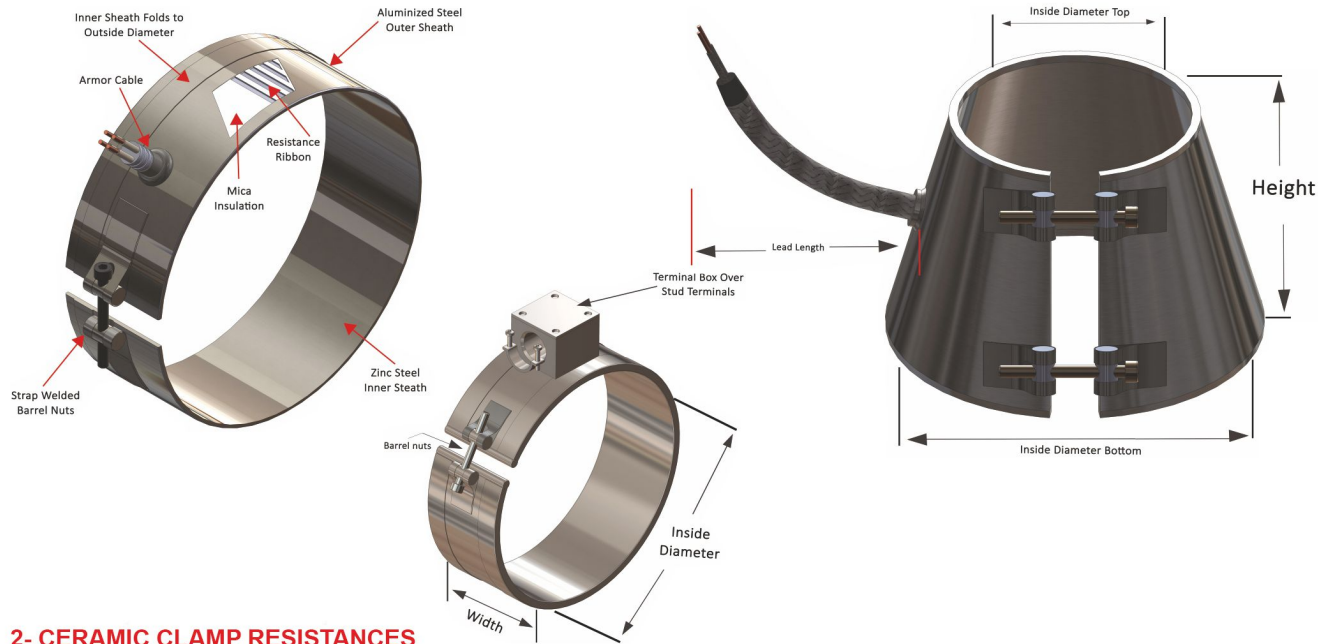
1- MICA CLAMP RESISTANCE

Isinglass insulated clamp resistances are used efficiently in the shaping and processing of plastic raw materials especially in extruder, injection type plastic machines in areas with operating temperature up to 300 celsius. In addition, it is also widely used for heating tanks of various sizes of many pipelines. Isinglass insulated clamp resistances have some disadvantages as well as advantageous aspects (cost effective). For example; it is a type of resistance cannot perform long-lasting service in places with high humidity, and vapor liquid and liquid and open circuit. The main reason for this is that the isinglass plate, which is the insulation material, cannot show resistance against the above mentioned handicaps. Despite this, it is still widely used throughout the world with its easy production logic, which does not require advanced technology at appropriate cost.

MICA BAND HEATERS TYPES

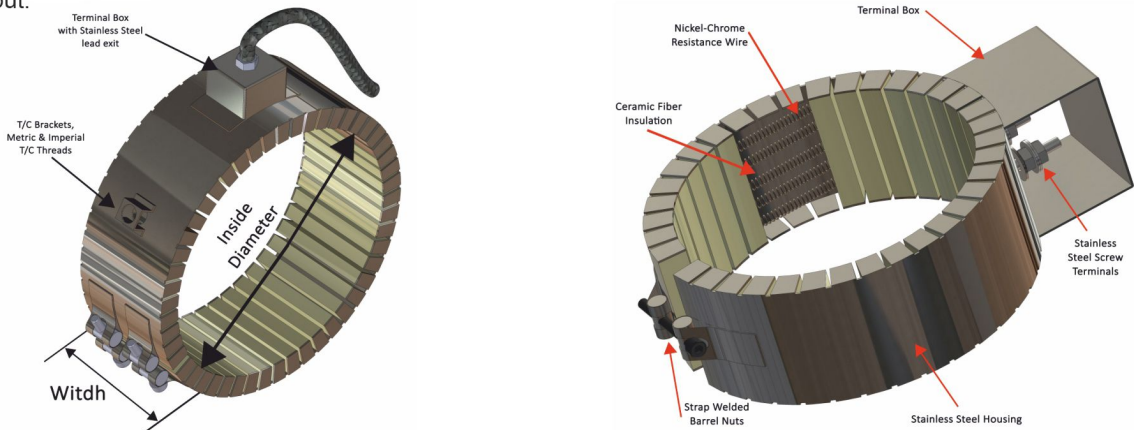


Position of the connection according
specifications of the band heater



2- CERAMIC CLAMP RESISTANCES

Ceramic clamp resistances can be easily used in applications up to 650 celsius. The most important feature that allows ceramic resistances to reach such high temperature is the steatite alloy high heat resistant technical ceramics used to insulate the resistance wire. The main application areas of ceramic clamp resistances are extruder throat lines where plastic raw material is shaped and melting flow is provided. Apart from these, ceramic clamp resistances are widely used in heating pipelines, various tanks and special projects as external squeezing, which require high heat and require high power in minimal areas. The energy outputs of ceramic clamp resistances are manufactured with terminal – closed box terminal – wired – iron plug output.



3- CLOSED CIRCUIT CLAMP RESISTANCES

It can be manufactured by placing square type or flat rectangular Type tube heaters which are made with thin section closed circuit production logic applied inside stainless steel as outer sheath. Since this type of clamp heaters contains a closed circuit system, they can be used easily and safely in areas with moisture, steam, humidity and fluidity. These products are unlikely to fail due to the above handicap reasons. In addition, this type of clamp resistances can be used safely in areas with a maximum thermal environment of 500 degrees. This type of clamp resistances cannot be produced at an affordable cost due to the high technology which is the largest handicap. It is therefore still used in special specific projects today.

