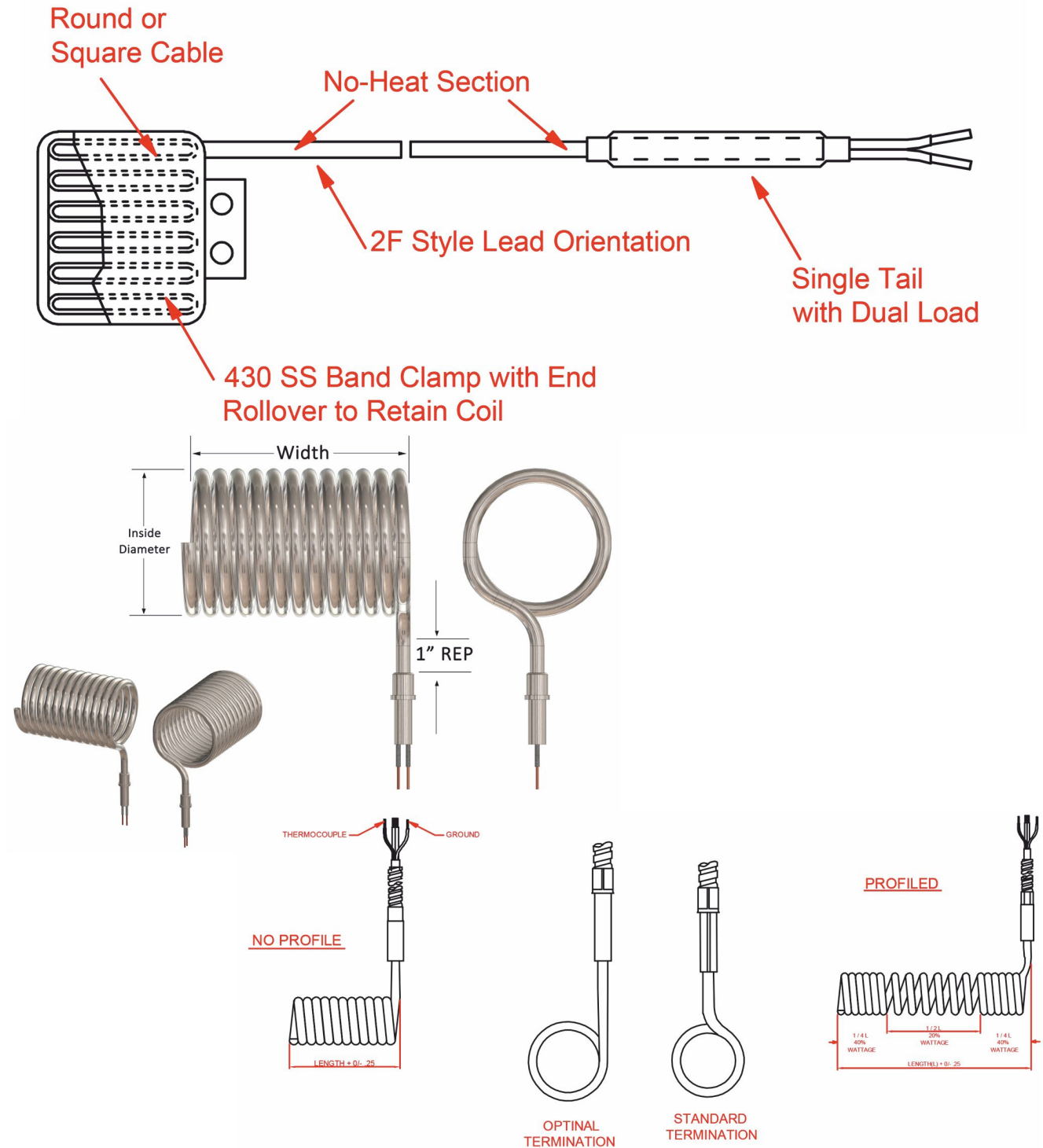


Spiral resistances also known as hot road nozzle resistances are used in plastic hot road systems to ensure the fluidity of the raw material in the nozzle. Outside of this common area of use, spiral type resistances can be used for heating pipelines with liquid or gas passing through them in various sizes for laboratory and special scientific projects. Our Spiral type resistances can be produced at different powers and at different supply voltages (24V, 48V, 110V, 220V, 400V). This type of resistance can be produced in different sections. The primary and most common are flat type spiral resistances with rectangular sections measuring 2.5 mm * 4.55 mm. One of the other two models is the spiral resistance with a diameter of 1.8 mm round section; the second is the spiral type resistance with a diameter of 4mm round section. The maximum operating temperature of this type of spiral resistances is 500 degrees. It is made with three Teflon insulated cables as spiral ground. In addition, our spiral type resistances are produced as standard J Type thermocouples and cable sizes can be adjusted according to requirement. These types of resistances can be manufactured in different winding types and different output directions according to customer demand. Windings are generally requested clockwise and counterclockwise. According to the request, it can be manufactured in the direction passing from the center (Radial) and with a 90 degree vertical output - twist.

They are high-tech resistances that can be used for heating hot road nozzles and for many different purposes. It can be produced with round or square cross-section in required power and dimensions.



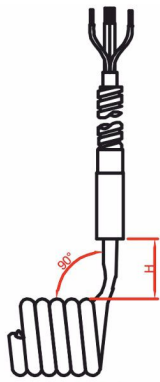
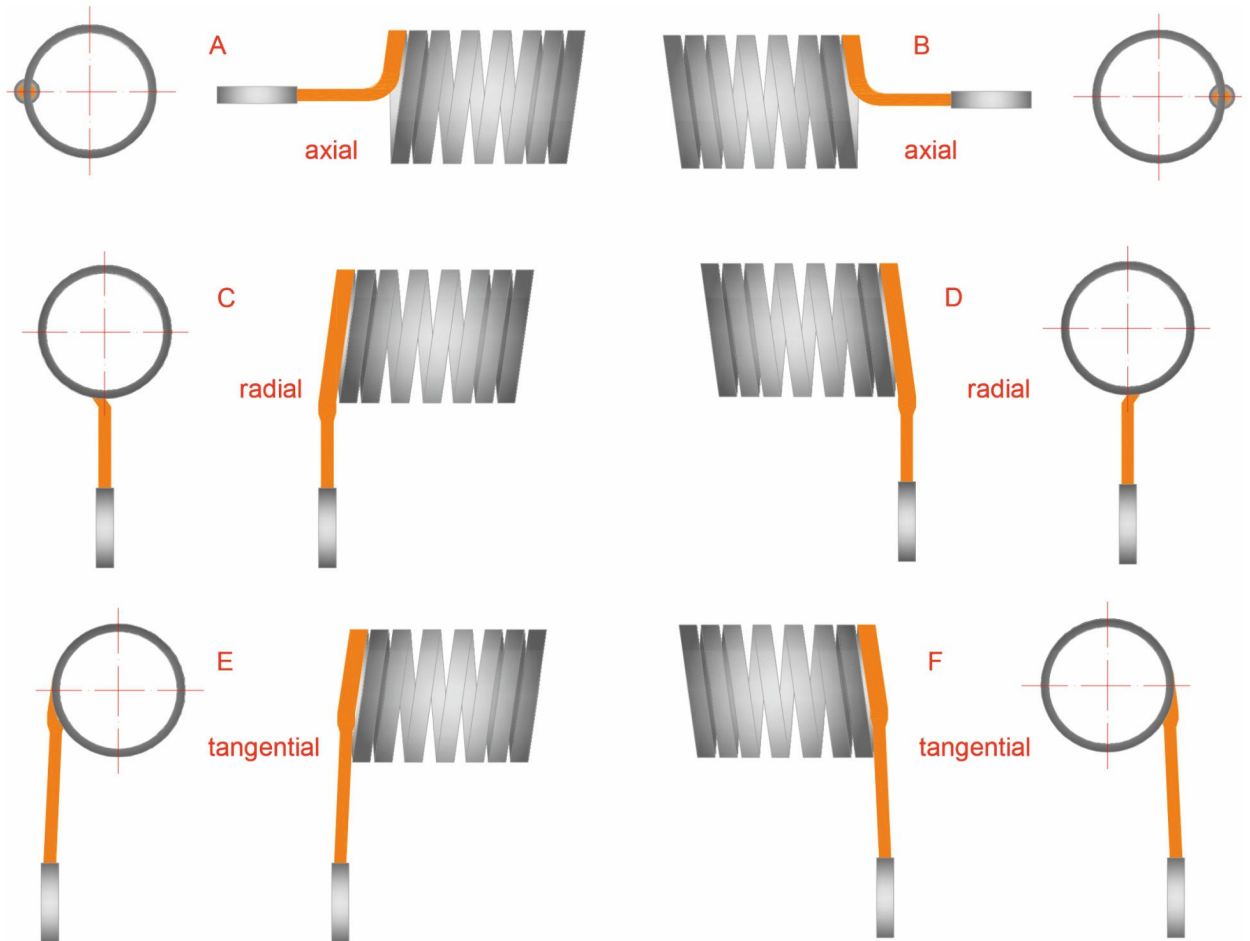


FIG. 1

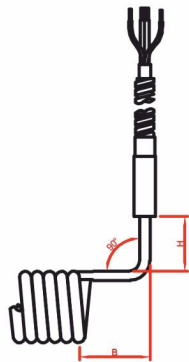


FIG. 2

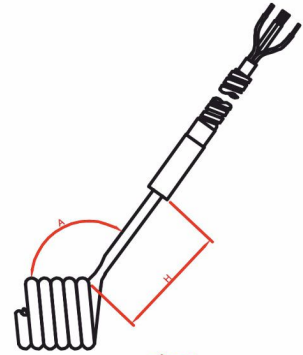


FIG. 3

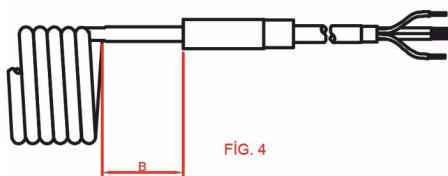


FIG. 4

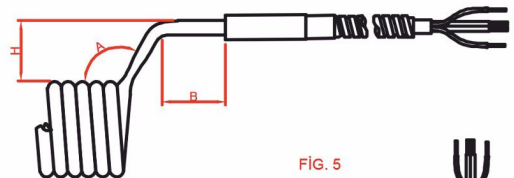


FIG. 5

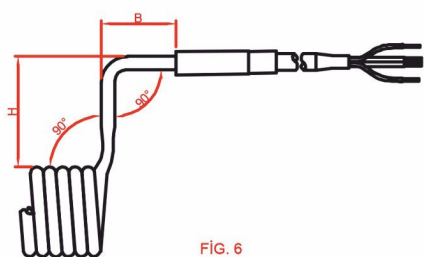


FIG. 6

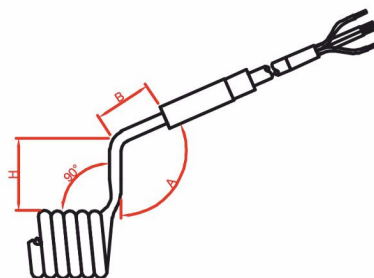


FIG. 7

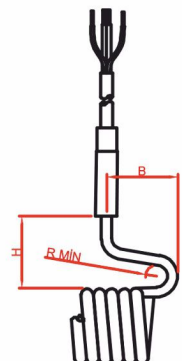


FIG. 8