

SST & QST

Split Sheath Insertion Heaters

- 3/8 - 1 Inch Diameter
- 5 - 60 Inch Lengths (SST)
- 5 - 36 Inch Lengths (QST)
- Sheath Temperatures up to 1600°F (871°C)

Applications

- Platens
- Presses
- Dies
- Molds

Description

The SST and QST Split Sheath Insertion Heaters are designed especially for platen, die or mold heating applications where the holes are poorly drilled or worn through age. Independent expansion of each section of the SST and QST when energized, creates intimate contact with the wall of the hole

- Split Sheath design
- Improved conductive heater
- Easily inserted and removed from long holes
- Incoloy® Sheath for long life at extreme temperatures
- Compacted to maximum density for excellent element to sheath heat transfer and dielectric strength

SST Split Sheath Insertion Heater

Fig. 001

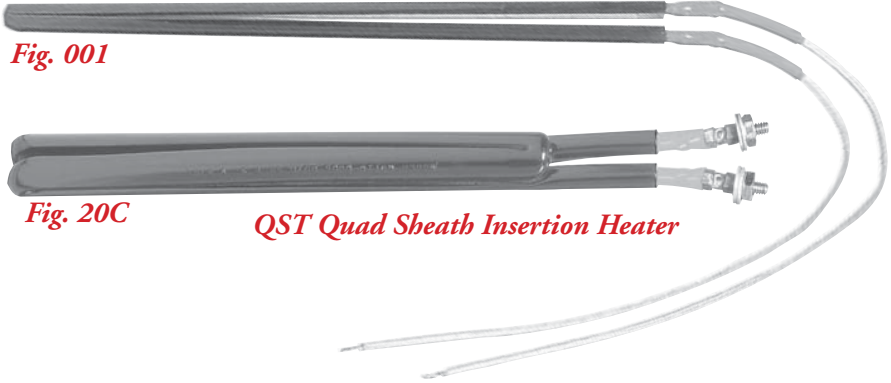


Fig. 20C

QST Quad Sheath Insertion Heater

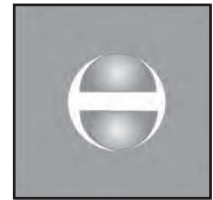
Terminations

Flexible Leads – SST & QST are available with flexible lead wires machine connected to the terminal pins, for temperatures to 850°F(450°C). 12” length is standard. Specify longer length.

Screw Terminals – SST and QST are available with standard 8/32 x 1” welded nickel plated steel studs. Easy terminal connections are made using lugs, leads or bus bar. Stainless steel, and other thread sizes or lengths are available.



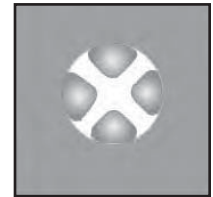
Unenergized SST



Energized SST



Unenergized QST



Energized QST

Tolerances and Limitations

	3/8"	1/2"	5/8"	11/16"	3/4"	1"
Nominal Sheath Diameter	3/8"	1/2"	5/8"	11/16"	3/4"	1"
Actual Sheath Diameter (±.003)	.370"	.495"	.620"	.682"	.745"	.995"
Minimum Sheath Length	5"	5"	5"	5"	5"	5"
Maximum Sheath Length – SST	60"	60"	60"	60"	60"	60"
Maximum Sheath Length – QST	N/A	36"	36"	36"	36"	N/A
Minimum Ohms/inch of EHL*	SST	.278	.308	.296	.296	.350
	QST	–	.593	.593	.593	.593
Maximum Ohms/inch of EHL*	SST	11	21	21	21	26
	QST	–	38	38	38	38
Maximum Standard Voltage	240	240	240	480	480	480
Maximum Amperage	SST	15	30	40	40	40
	QST	–	30	30	30	30
Wattage	+5% – 10%					
Resistance	+10% – 5%					
Sheath Length	±3% up to 20", ±2% over 20"					

*EHL: Effective Heat Length