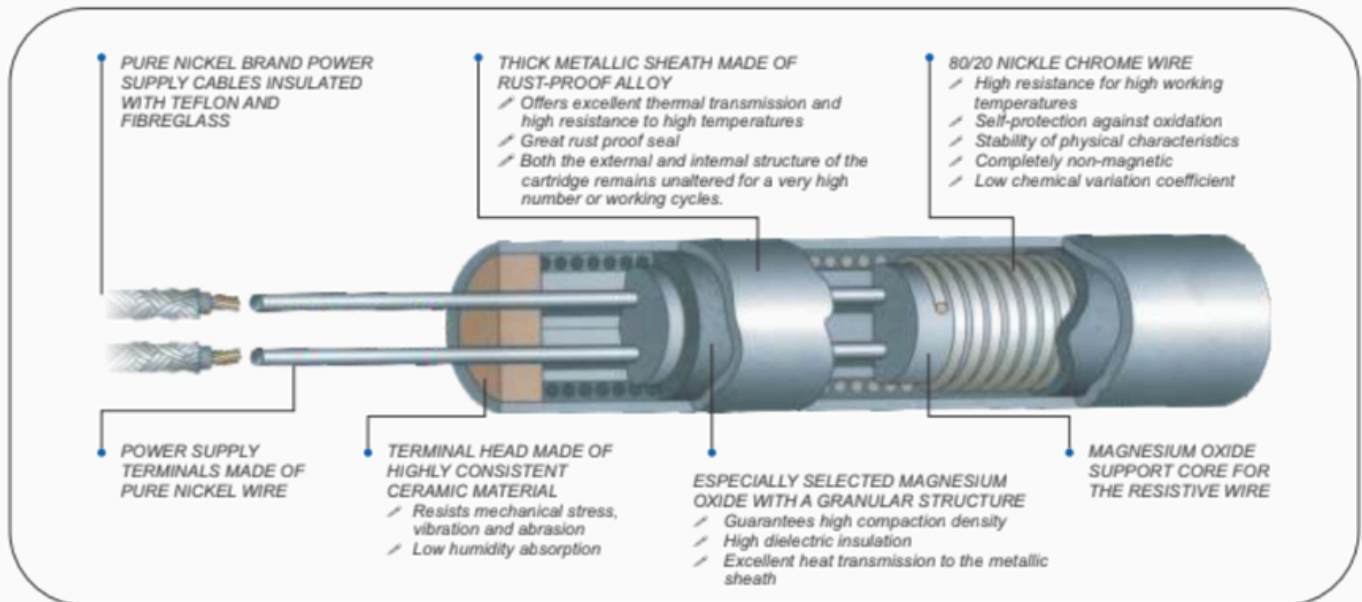


Intelligent solution to precision heating ...

HITCO High Density Cartridge Heaters are manufactured with the latest technology and knowhow for providing most reliable heating solutions capable of performance for higher wattage application and continuous working requirement.

The Thermic Interchange between the surface of the heater and the mass to be heated makes it necessary for Cartridge Heater to fit perfectly in the cavity.

Utmost care is taken in selecting the raw materials and strict quality control procedures ensures the desired life of **HITCO** Heaters.



THE HI-DENSITY ADVANTAGE

- Higher watt densities permit smaller heaters to be used without sacrificing life expectancy. This results in up-front as well as long-term cost savings with maximum watt density upto 50 watts/cm².
- Swaged construction provides maximum support for the resistance wire, eliminating the effects of vibration and shock.
- Excellent heat transfer characteristics permit improved life expectancy over other style heaters.
- Termination styles and special features allow customization to any application.
- Applications up to 1500F (8200C)

Heater	6,5	8	10	12,5	16	20	mm		
Diameter	1/4"		3/8"	1/2"	5/8"	3/4"			
Maximum Volts	240	240	240	240	380	380	V		
Maximum Amps	4	5	7	14	18	22	A		
*Upon request only	Ø	25-1"	32-1" ^{n/4}	Lmin	150	300	Lmax	1500	2000

Technical Specifications & Tolerances

Age	+5%	-10%
Resistance	-10%	+5%
Dielectric strength (Voltage applied)	1500	V
Insulation (Cold 1000 Vdc)	>10	M
Leakage current (cold)	<0,1	mA
Maximum working temperature allowed on sheath	750	°C
Length tolerance	+2	%

FITTINGS

STANDARD LEADS

Fiberglass-silicone insulated Ni conductor.



Type E Up to 350°C

PTFE insulated Ni conductor.



Type P Up to 270°C

Fiberglass insulated Ni conductor.



Type R Up to 550°C

LEADWIRES EXTERNALLY CONNECTED

Ø	3/8"-10-12.5-1/2"-5/8-16-3/4"-20
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FLEXIBLE INTERNAL EXIT

Ø	3/8"-10	12.5-1/2"	5/8"-16	3/4"-20
T~	5	6	7	8



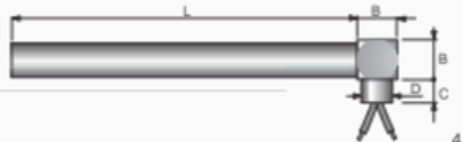
LEADWIRES EXIT 90° Type A

Ø	6.5-1/4"	8	10-3/8"	12.5-1/2"	16-5/8"	20-3/4"
A	5	5.5	6.5	9.5	12	14



LEADWIRES EXIT 90° Type B

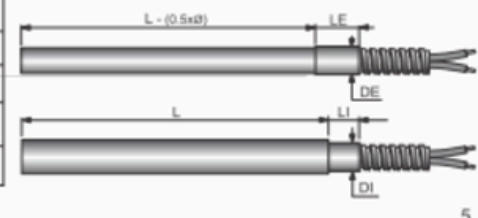
Ø	6.5-1/4"	8	10-3/8"	12.5-1/2"	16-5/8"	20-3/4"
B	8	10	12	14	18	22
C	6	7	7	8	10	10
D	8	10	10	12.5	16	16



METAL GALVANIZED CONDUIT

Connection tube

Ø	6.5-1/4"	8	10-3/8"	12.5-1/2"	16-5/8"	3/4"	20
DE	7.5	9.5	11	14*	-	-	-
LE	10	12	15	16*	-	-	-
DI	-	-	-	10.5	14	17	18
LI	-	-	-	12	16	20	20



*Per cavità Hi Temp. o Amp. > 10 For Leads Hi Temp. or Amp. > 10
SPECIAL EXECUTIONS UPON REQUEST

Typical Applications

- Plastic Extruders
- Plastic Molding
- Hot Runner Molds
- Shoe Machinery
- Hot Stamping
- Food Processing
- Medical Equipment
- Packaging Equipment
- Glue Guns
- Molds and Dies
- Heating Gases and Liquids