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# ELEKHEAT Electric Heating Technology Co., Ltd.

Cartridge Heaters Product Brochure

www.elekheat.com

ELEKHEAT


## Elekheat Electric Heating Technology Co., Ltd.

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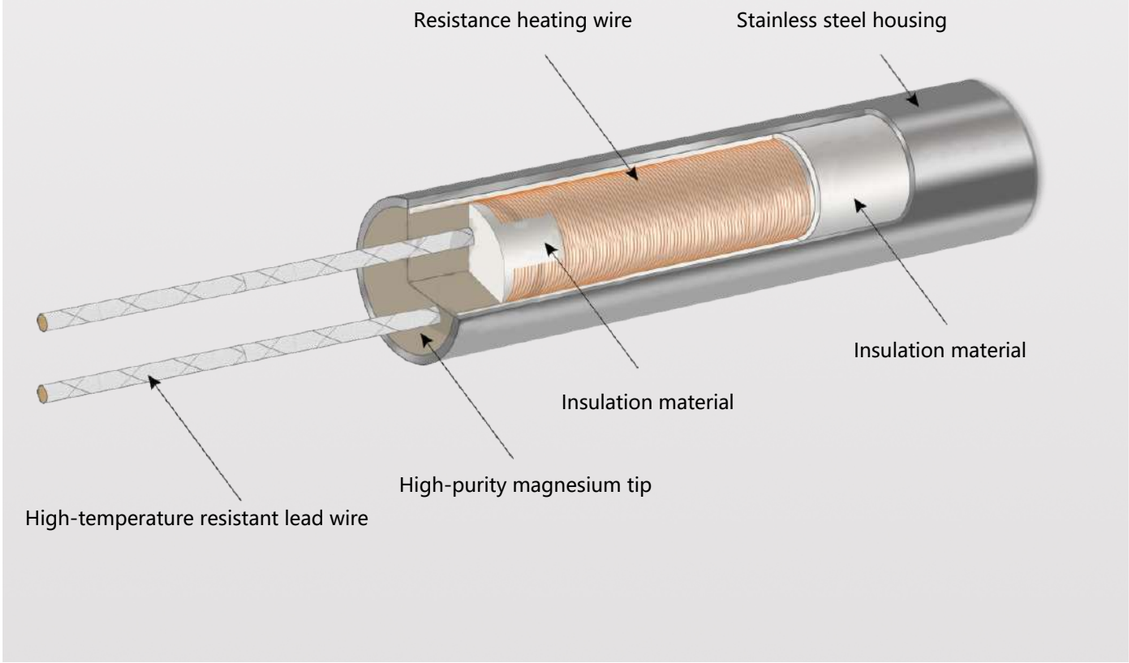
# Directory

# Cartridge Heater

## Internal line single-head electric heating tub

## Product Structure Diagram




The heating element of the internal discharge tube is made of 32L seamless stainless steel tubing. Internally, it uses imported German BGH brand Nicr80-20 nickel-chromium alloy wire, seawater magnesium rod, imported American UCM brand magnesium oxide powder, high-purity magnesium rod, and imported 500℃-800℃ high-temperature resistant pure nickel core wire. This design avoids short circuits caused by poor contact in the lead connectors and is suitable for heating moving molds.

## Applies to

Mechanical equipment, including cigarette making machinery, pharmaceutical machinery, shoemaking machinery, packaging machinery, etc.
(most suitable for use with mobile molds).

## Features

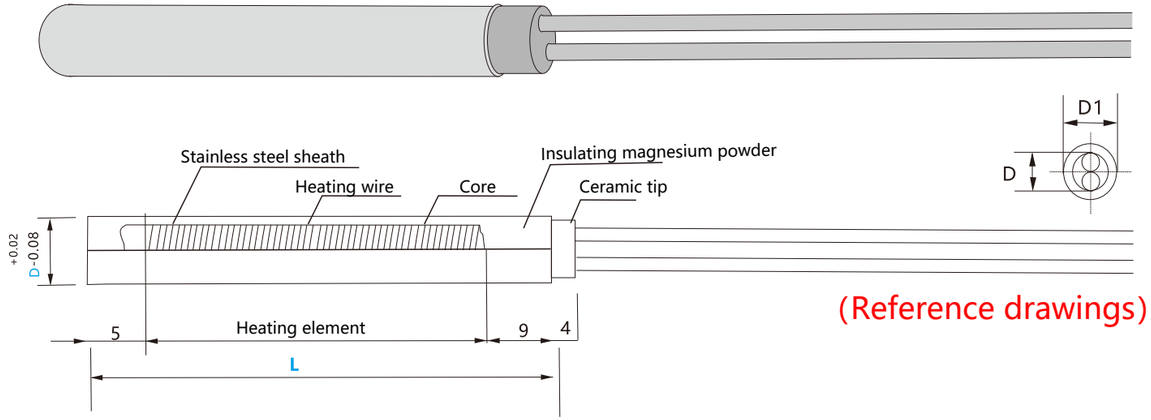
A、Imported 500°C-800°C heat-resistant wire is used to prevent short circuits caused by contact between lead wire connectors.

B、This is particularly suitable for heating moving molds, preventing wire breakage due to movement of the electrode wires.

## Customized Specification Reference

| Type | Diameter | Length | Voltage | Power/W | W/CM² |
|---|---|---|---|---|---|
| LZDR | 3.1 | 50.8 | 220 | 50 | 12.6 |
| | | 80 | 220 | 90 | 12.6 |
| | 4 | 50 | 220 | 45 | 11.9 |
| | | 80 | 220 | 90 | 11.9 |
| | 5 | 30 | 220 | 40 | 17.0 |
| | | 30 | 380 | 40 | 17.0 |
| | | 40 | 220 | 40 | 10.2 |
| | | 40 | 220 | 60 | 15.3 |
| | | 50 | 220 | 50 | 9.1 |
| | | 60 | 220 | 100 | 14.2 |
| | | 80 | 380 | 150 | 14.7 |
| | 6 | 30 | 220 | 50 | 15.9 |
| | | 30 | 380 | 50 | 17.7 |
| | | 40 | 220 | 80 | 17.0 |
| | | 40 | 380 | 80 | 17.0 |
| | | 50 | 380 | 100 | 15.2 |
| | | 80 | 380 | 100 | 8.2 |
| | 6.25 | 60 | 220 | 50 | 5.7 |
| | | 100 | 220 | 120 | 7.2 |
| | 8 | 30 | 380 | 60 | 15.9 |
| | | 50 | 220 | 100 | 11.4 |
| | | 50 | 220 | 150 | 17.1 |
| | | 100 | 220 | 200 | 9.4 |
| | 10 | 50 | 380 | 120 | 10.9 |
| | | 100 | 380 | 400 | 15.0 |

Various shapes can meet various installation requirements for fastening, different sizes (according to customer requirements)




(Reference drawings)

## Product Features

a、The heat generating part and the heat conduction arelinked inside the heater armor tube.

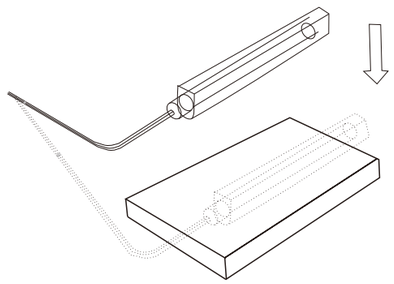
b、The nickel rod is located inside the heater armor tubewhich has higher anti-activity and bending strength thantraditional products.

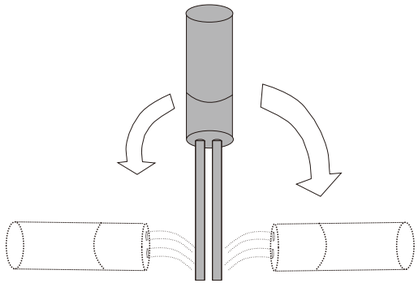
c、Do not use a heater to burn in the atmosphere. If theheater is exposed to the entire or part of the heater, itmay causewire breakage or fire due to abnormal heat.

d、The vicinity of the wire should be controlled below 220 °C

e、Do not pull or bend the wire forcibly.

## Use Cases





1、A product that is more suitable for the operating part thanaconventional product.

2、Do not pull the wire forcibly.

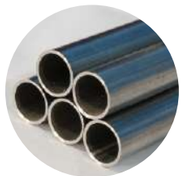
3、Compared with traditional products, it has strong bendingresistance and is difficult to break.

4、Although it has strong bending resistance, please avoidrepeatedly bending to rightangle attachments.

# REAL MATERIAL

## Stands the test of customers and time

High-temperature reststant mgo powder



Stainless steel tubes




Purified seawater mgo rods



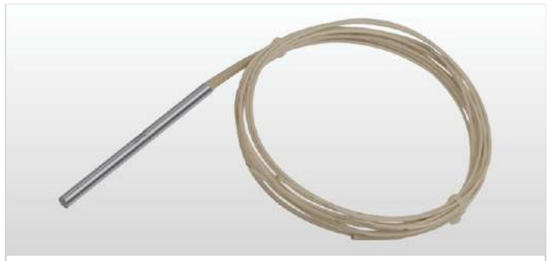
Pure nickel high-temperature wire



95 high-frequency p orcelain beads

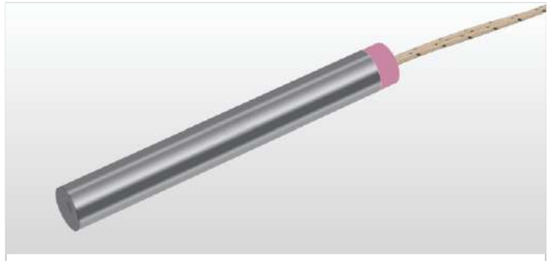
NiCr80-20 electricl imiting wire

Conventional cartridge heaters without ceramic beads and internal leads

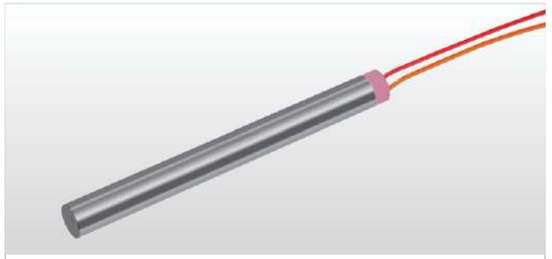


High-temperature resistant pure nickel direct-type cartridge heaters with internal leads

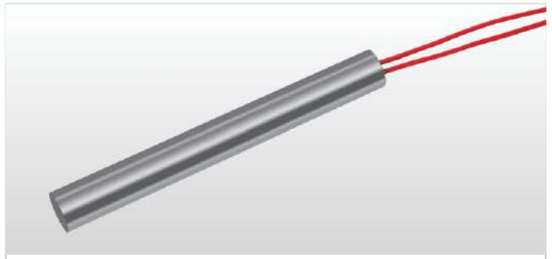
High-temperature resistant mica direct-type cartridge heaters with high-temperature wires



Ceramic bead direct-type cartridge heaters with internal leads



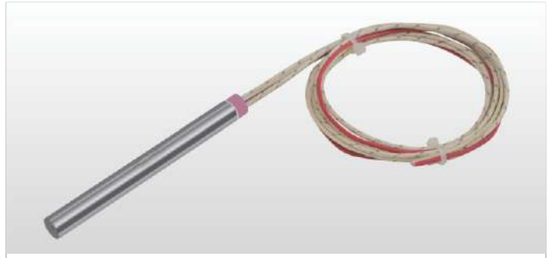
Single-ended heating element with Teflon pure nickel wire for direct outlet



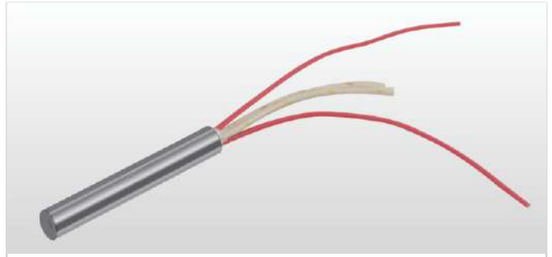
Single-ended heating element with Teflon pure nickel wire for inner lead wire

Single-ended heating element with fixed inner lead wire

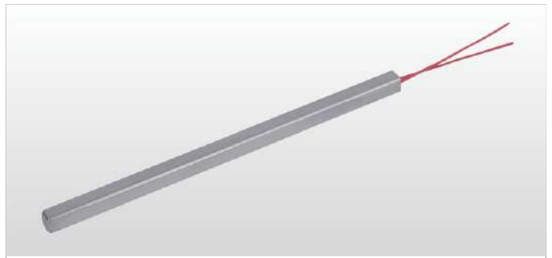
Single-ended heating element with direct outlet terminal for quick-connect



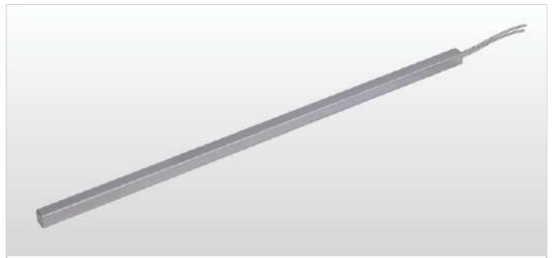
Cartridge heater with K-type temperature sensor and ceramic bead inner lead wire



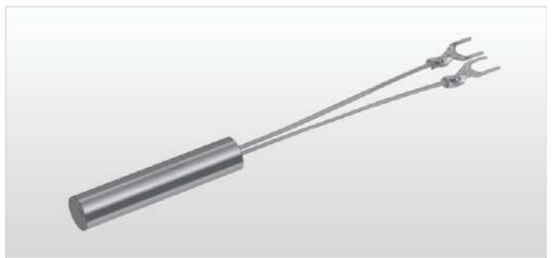
Cartridge heater with J-type temperature sensing wire and no ceramic bead inner lead wire



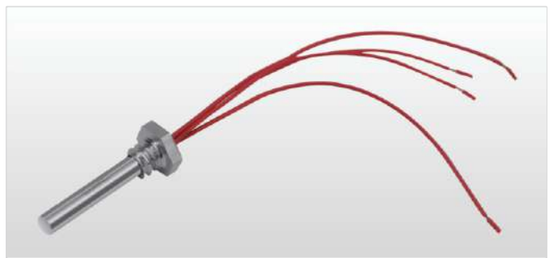
Square cartridge heater with iron/Teflon inner lead wire



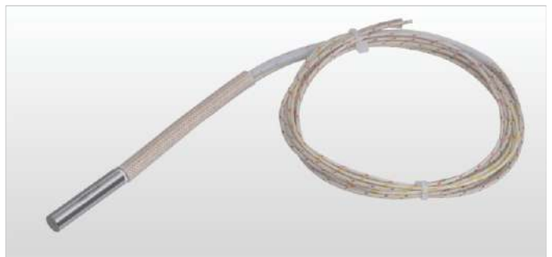
Square cartridge heater with high-temperature resistant pure nickel wire inner lead wire



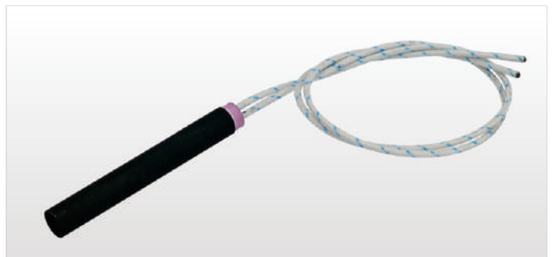
Direct internal flexible cable cartridge heater with U-shaped terminal



Ultra-small cartridge heater with thermocouple/flange mounting plate



Small diameter internal lead cartridge heater with temperature sensing cable



High-temperature resistant nano-coated internal lead cartridge heater



# Micro Cartridge Heaters

Dry fired single head electric heating tube with stainless steel heat sink is a surface nested stainless steel electricheating productThe product has the advantages of large heat dissipation area, fast heatingspeed,uniform heatdissipation and so on.Widely used inMold temperature machine dryer, injectionmolding machine, soldering tinwater heating and other fields.

Customized on demand

## Introduction of Micro Cartridge Heater

**Design Advantages:** Each single-ended hose is custom-designed and verified through prototyping,testing, and modification before production, ensuring every order meets the customer’ s high standards.

**Quality Advantages:** Our single-end tubes are durable machine parts, not consumables. They come with a one-year warranty and can be customized to match your machine’ s lifespan.

**Technical Advantages:** Single-end tubes feature a minimum size of 2.5 mm × 15 mm, operate up to 950 °C, and deliver power up to 35 W/cm².

**Process Advantages:** Our advanced wire winding, powder filling, and tube shrinking technologies greatly improve product perfo rmance.

**Quality Advantages:** Every production process is inspected to ensure product quality.

**Service Advantages:** Our professional support team provides clear, timely responses to all inquiries within 24 hours.

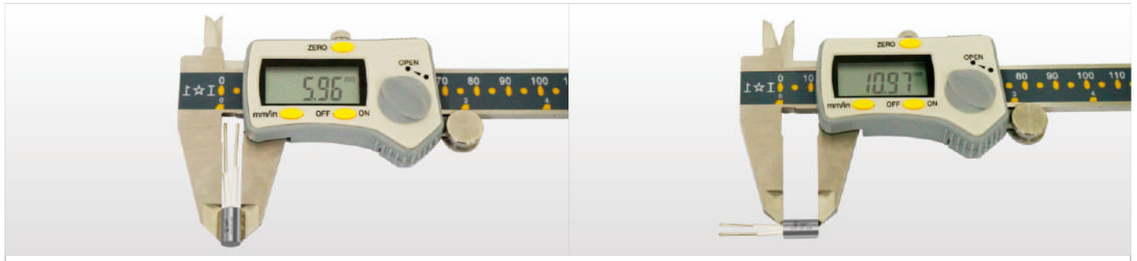
| Technical parameters - can be customized on demand | |
|---|---|
| Cartridge Heater Diameter | 2.5mm - 5.9mm |
| Diameter Tolerance: | ±0.05mm |
| Cartridge Heater Length: | 10mm - 2m |
| Length Tolerance: | ±1mm |
| Standard Cold Junction Dimension: | 5-10mm |
| Casing Metal Material: | Stainless steel pipe materials: 304/321/316/310S; titanium alloy; Incoloy 800/840 |
| Resistor Heating Wire: | NiCr80-20 resistance wire |
| Normal Voltage: | 480V/380V/240V/230V/220V/200V/110V/100V/48V/36V/24V/12V |
| Maximum Operating Temperature: | 950℃ |
| Power Tolerance: | +5%, -10% |
| Resistance Tolerance | +10%, -5% |
| Cold Insulation Resistance | ≥500 MΩ |
| Cold Maximum Leakage Current: | ≤0.5mA |

A variety of different cartridge heaters are available depending on the type of application,operating temperature and power density (see table below):

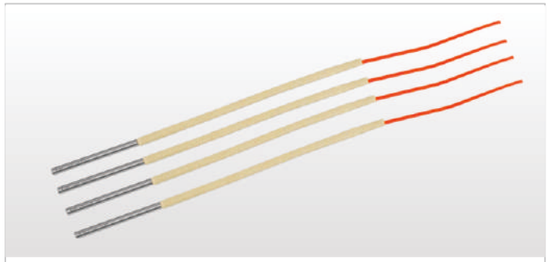
| Product Type | Maximum power density (W/cm²) | Maximum temperature (°C) | Minimum-maximum diameter (mm) |
|---|---|---|---|
| Ultra-high power density | 35 | 850 | 2.5-5.9 |
| High power density | 15 | 650 | 2.5-5.9 |
| Medium power density | 12 | 600 | 2.5-5.9 |
| Low power density | 8 | 450 | 2.5-5.9 |



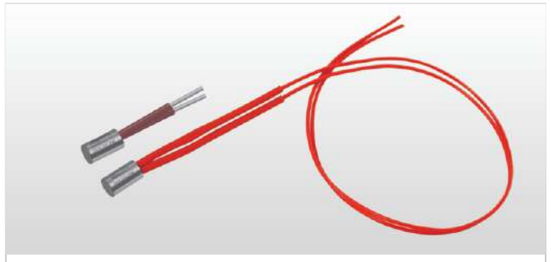
Micro single-line cartridge heater 2.7X40MM-12V-30W (toothpick-sized small tube diameter)



Ultra-short micro cartridge heater 6X10MM-24V-30W (the measurement of 5.96x10.97 in the picture is within normal error)

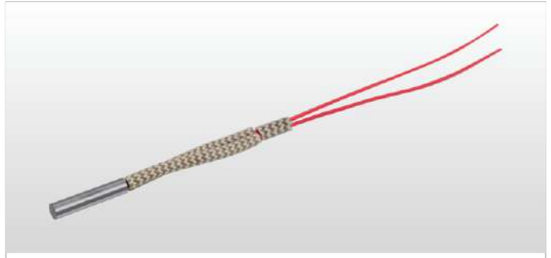


Single-wire ultra-small cartridge heater 2.7x40mm

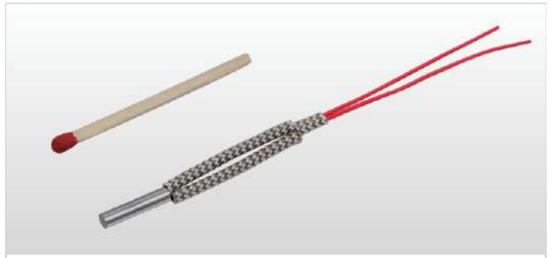


Ultra-short cartridge heater 6x10mm, 24V, 30W

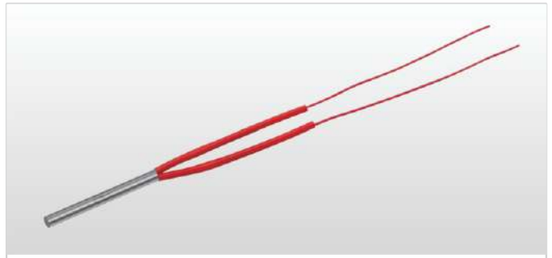
Round-bottom micro-ultra-small 3x15mm cartridge heater



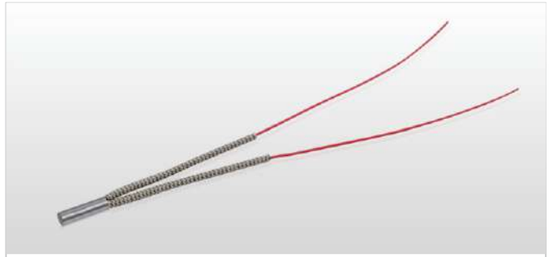
Regular micro-ultra-small 3x15mm cartridge heater



Micro Ultra-Small 3x20mm Cartridge Heater

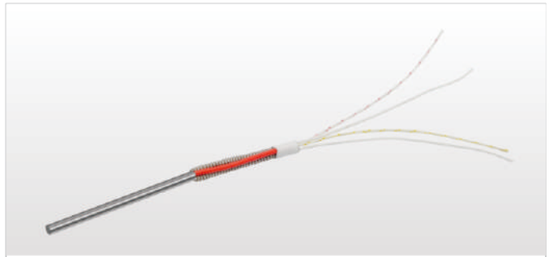


Small Diameter 3x100mm Cartridge Heater

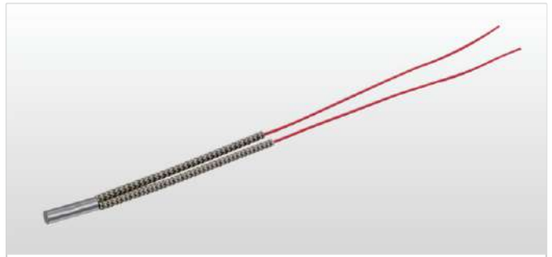


Micro Small Diameter 4x20mm Cartridge Heater

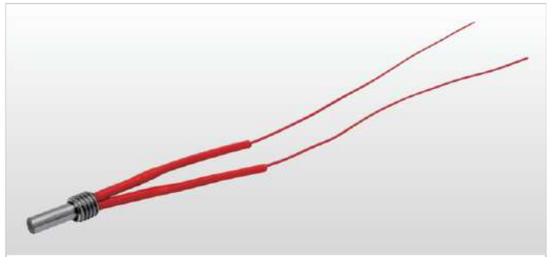
Micro 4x50mm Cartridge Heater



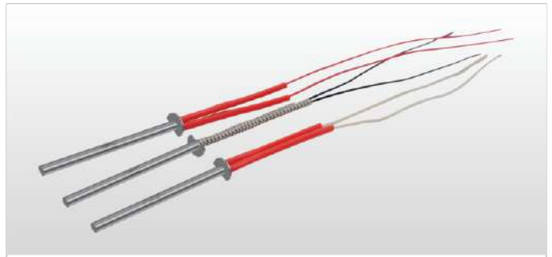
Miniature cartridge heater with temperature sensor



Miniature 5x20mm cartridge heater



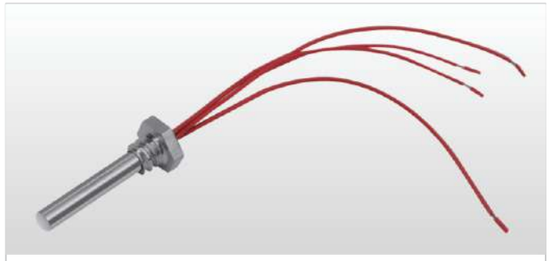
Miniature 5x30mm cartridge heater with fixed screw thread



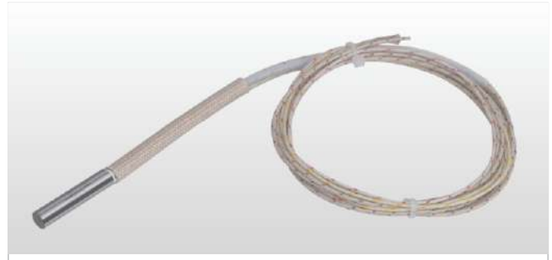
Small diameter cartridge heater with semicircular fixed plate



Miniature internal lead cartridge heaters



Round bottom flanged/thermocouple internal lead cartridge heaters



Miniature direct lead cartridge heaters with temperature sensing wires

## Advantages of Micro Cartridge Heaters:

Small diameter, short length, high power;

Quick heat-up and long service life;

Power and voltage can be customized upon request;

Resistance wire and material grade can be selected to suit specific application requirements.

ELEKHEAT

Terminal external wiring

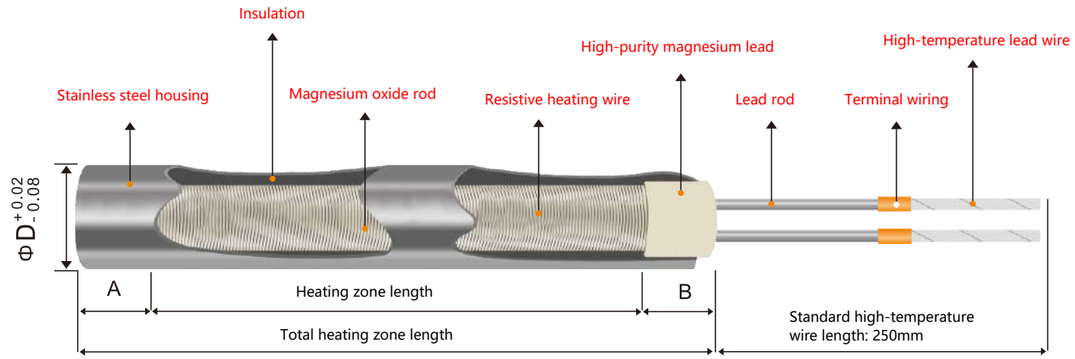
# Cartridge Heaters for Molds

Various shapes can meet various installation requirements and have various styles



## Product Anatomy Diagram

This cross-sectional diagram more accurately illustrates the internal structure and material dimensions of the cartridge heater.



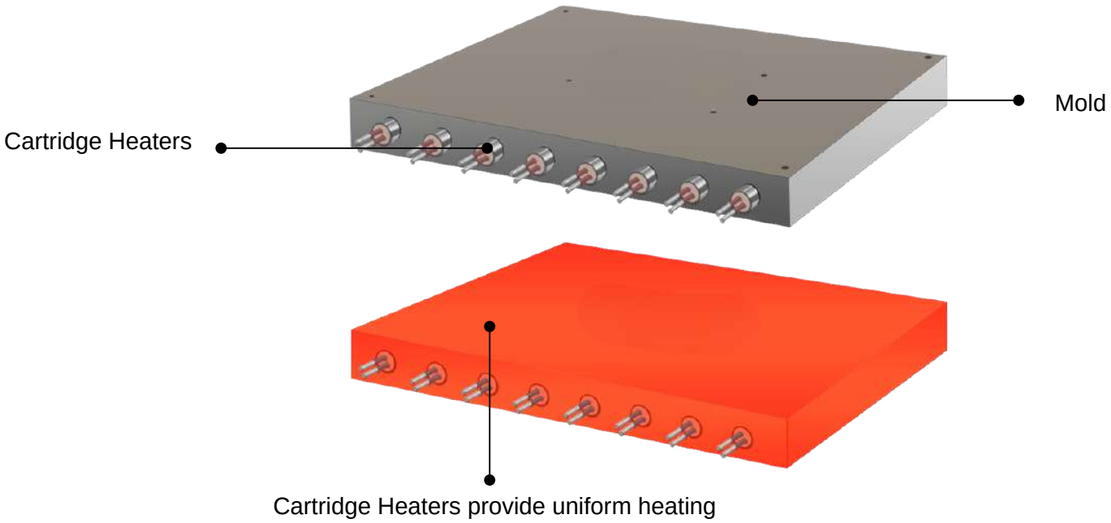

Note: Points **A** and **B** are the non-heating lengths

| Main materials of cartridge heaters - can be customized according to requirements | |
|---|---|
| Resistance Heating Wire: | BGH/NiCr80-20 resistance wire |
| Insulation Filler: | Modified mgo powder/High-purity magnesium oxide powder/Seawater magnesium rod |
| Single-End Tube Housing Metal Material | Stainless steel pipe materials: 304/321/316/310S; Incoloy 800/840 |
| Stainless Steel Welding Base: | Stainless steel pipe materials: 304/321/316/310S; Incoloy 800/840 |
| Metal Lead Rod: | 304/321/316/310S/Nickel-manganese rod |
| High-Temperature Lead Wire: | Fiberglass/Teflon: Temperature resistance 250°C<br>Silicon material: Temperature resistance 200°C<br>High-temperature fiberglass: Temperature resistance 450°C<br>Pure nickel high-temperature wire: Temperature resistance 600°C<br>Ceramic sheath: Temperature resistance 800°C |
| Lead Protection Sleeve: | Silicone fiberglass sheath, silicone lead sheath, metal braided sheath, metal corrugated sheath |
| Sealed End (Sealed): | Epoxy resin: Temperature resistance 180°C<br>Silicone rubber: Temperature resistance 220°C<br>Glass beads: Temperature resistance 600°C<br>Ceramic glue: Temperature resistance 1100°C<br>High-temperature cement: Temperature resistance 1200°C |

Please tell us the usage scenario and details, and our technicians will help you select the model! ELEKHEAT is committed to providing customers with the best service!

## Application Areas

Single-head electric heating tubes are widely used in packaging machinery, rubber and plastic molding, hot runner molds, 3D curved screen glass bending machines, 3D printers, laminating machines, hot presses, automatic welding and stamping molds, woodworking machinery, chopstick machinery, hollow board machinery, hot cutters, hot melt glue machines, ignition rods, injection molds, extrusion molds, rubber molding molds, rubber and plastic molds, meltblown molds, hot pressing machinery, semiconductor processing, new energy equipment, automotive molds, lithium battery equipment, automation equipment, medical equipment, pharmaceutical machinery, uniform heating platforms, liquid heating, stamping molds, barbecue grill equipment, food processing and other fields of equipment electric heating elements, all models are manufactured according to CE standards.




## Technical Parameters/Conventional Materials

Heating Tube Diameter: 2.5-32mm

Diameter Tolerance: ±0.05mm

Length Tolerance: *1mm

Heating Tube Shell Material: 304 Stainless Steel

Insulation Material: High-Purity, High-Temperature mgo Powder

Magnesium Rod: Seawater Magnesium Rod

Magnesium Head: High-Purity Magnesium Head

Magnesium Base: High-Purity Magnesium Base

Resistive Heating Wire: NiCr80-20 Nickel-Chromium Wire

Power Density: Maximum 35W/cm2

Operating Temperature: Maximum Tube Surface Temperature 927°C

Electrical Performance: Leakage Current Less than 0.5mA

Input Power and Wattage: Customizable, with a power tolerance of 5%-10%



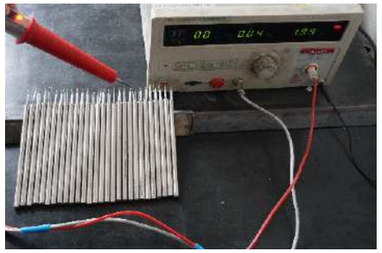
# Production Process Display

Automatic wire winding

Automatic unloading

Automatic core winding

Finished product inspection



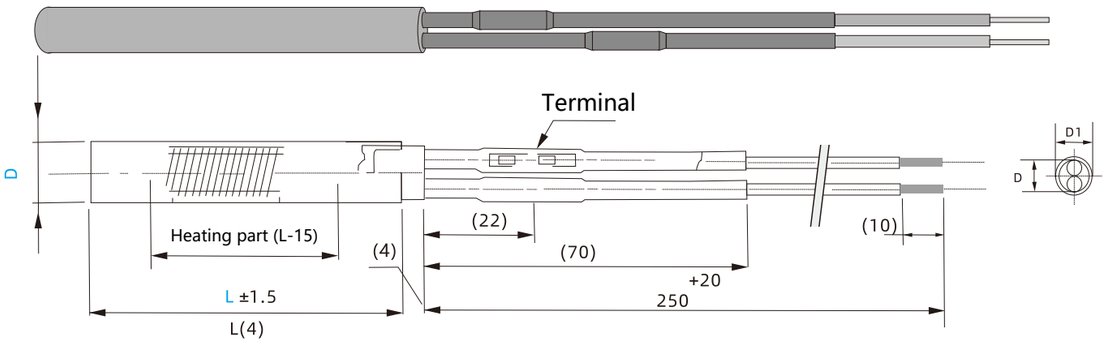
Tubing shrinking

Laser marking


Tubing turning

Vacuum packaging

## High-quality terminal block heaters




Reference drawings

## Use Case

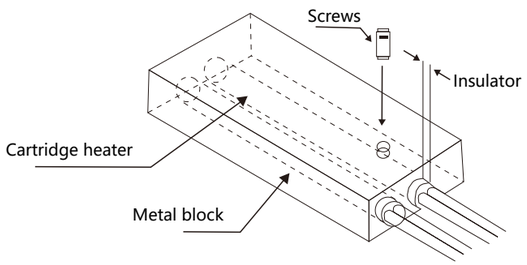
Usage Notes:

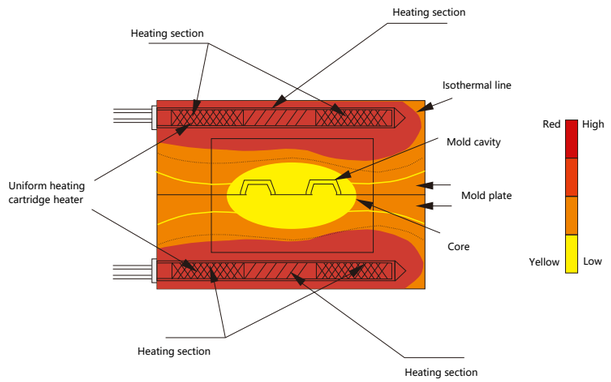
!

Do not leave the heater open to air. If all or part of the heater's heating element is exposed to the object being heated, this could overheat and cause wire breakage and fire. (The area 5mm from both ends of the heater's heating element should be completely enclosed in metal blocks to prevent exposure of the heating elem ent to air.)

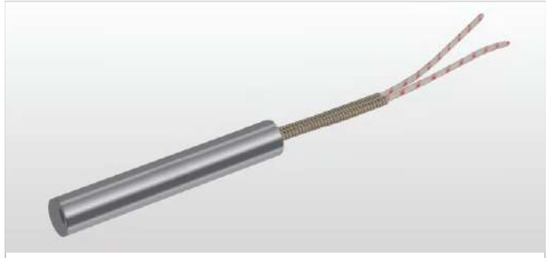
!

The temperature near the wire outlet should be kept below 130°C.





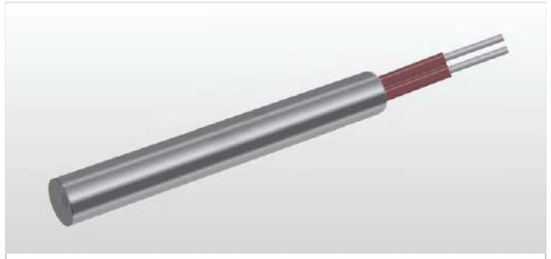
Mold Cartridge Heaters

Side-Outlet Metal Bellows Sheathed Cartridge Heaters

Waterproof Type with Aviation Quick-Connect Insert

Waterproof and Anti-Fog Cartridge Heaters

Single-Side Thread Cartridge Heaters



Mold Cartridge Heaters with Ceramic Beads

Cartridge heater with heat shrink tubing

Mounted cartridge heater

Metal bellows-sheathed cartridge heater with fixed plate

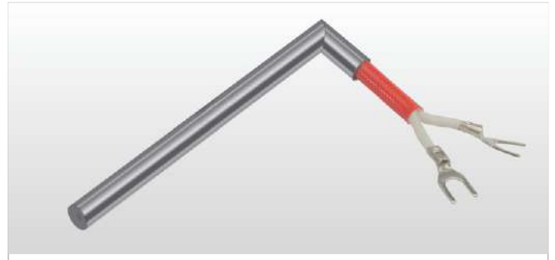
Metal bellows-sheathed cartridge heater with fixed position

Flat bottom limited-position cartridge heater - waterproof type

Pointed single direct outlet cartridge heater

Metal bellows-sheathed cartridge heater with fixed position

Metal braided mesh-sheathed cartridge heater with fixed position



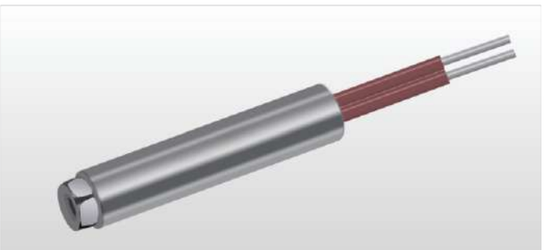
90° right-angle cartridge heater

90° side outlet cartridge heater with metal braided sheath

Metal bellows sheathed cartridge heater with K-type thermocouple

Side-exit cartridge heater

90-degree bend cartridge heater



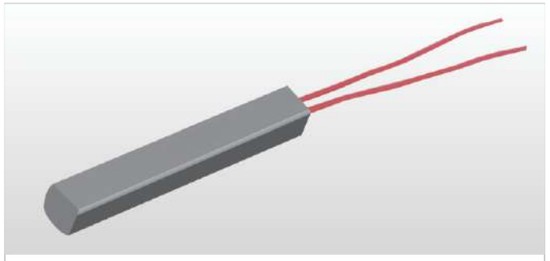
Bottom hexagonal nut cartridge heater

Right-angle metal braided mesh cartridge heater

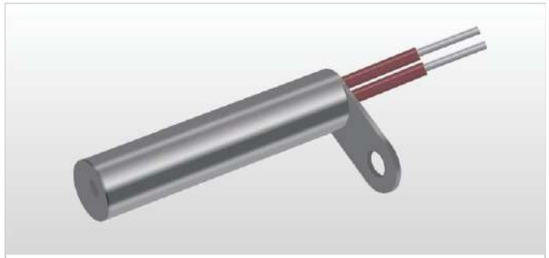
Right-angle butt-weld metal bellows sheathed cartridge heater

Bottom screw-positioned cartridge heater

Bottom internal thread cartridge heater

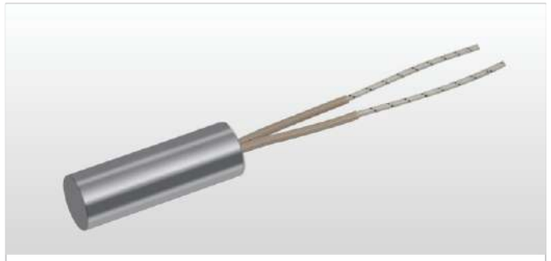


Square internal lead cartridge heaters



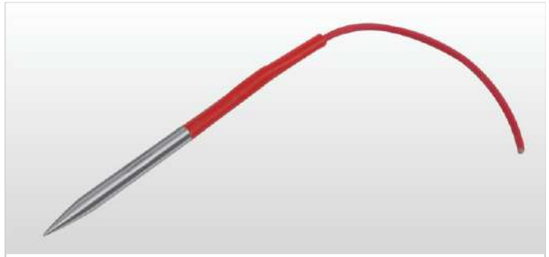
Cartridge heaters with fixed plates

Screw-type cartridge heaters with direct-connection leads



Flat-bottom cartridge heaters

Tip-end film piercing cartridge heaters



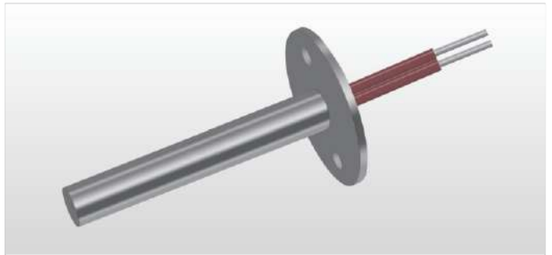
Tip-end cartridge heaters

Limited side-connection protection cartridge heaters

Quick-connect cartridge heater with limit terminal

Split cartridge heaters

8-gauge fixed plate side-outlet cartridge heaters



Round-shaped fixed-disc cartridge he aters

Rectangular fixing plate cartridge heater

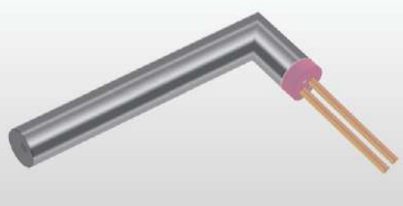
8-gauge fixed plate cartridge heaters

Hexagonal single-sided threaded cartridge heaters

Right-angle fiberglass conductor cartridge heaters with K-type temperature sensor

Right-angle side-outlet cartridge heater

Right-Angle Plastic-Covered Cartridge Heater



Direct-Mount Ceramic-Bead Cartridge Heater

Right-Angle Single-Threaded Cartridge Heater with Limit Stop

Metal Bellows-Wrapped Single-Ended Hex-Threaded Heating Element

Threaded Cartridge Heater with Heat Sink

Nano-Coated Finned Cartridge Heater

High-Temperature Resistant Nano-Coated Cartridge Heater

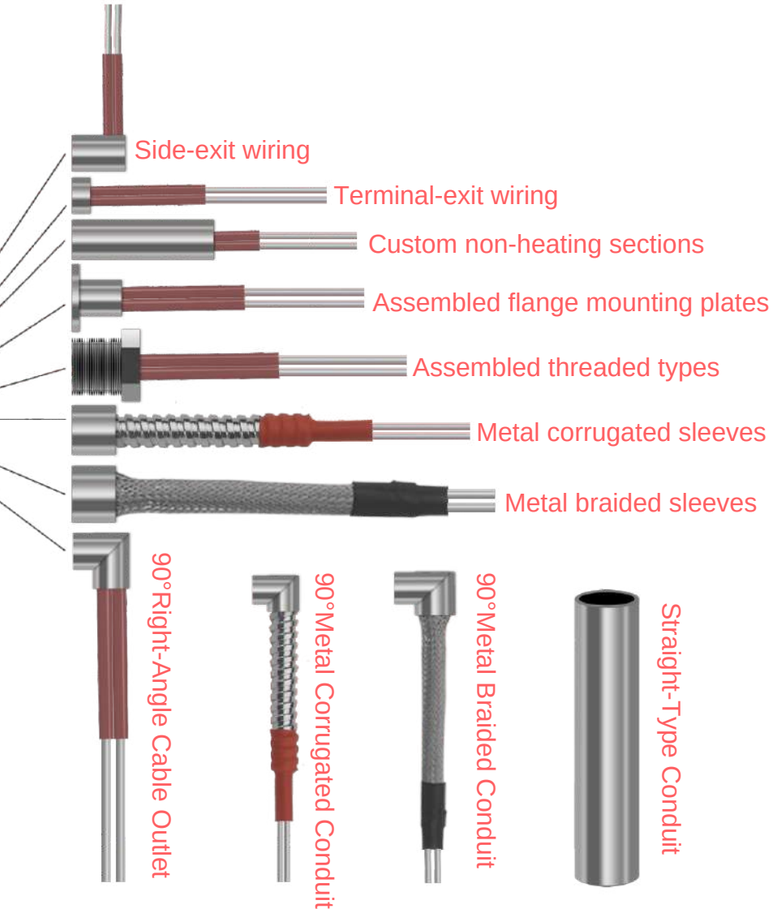
High-Temperature Nano Cartridge Heater with Rapid Heat Transfer

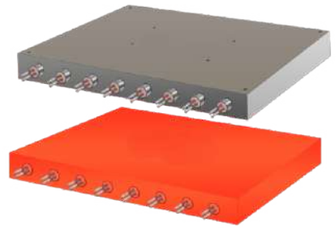


## More Structural Options - Customized to Your Needs

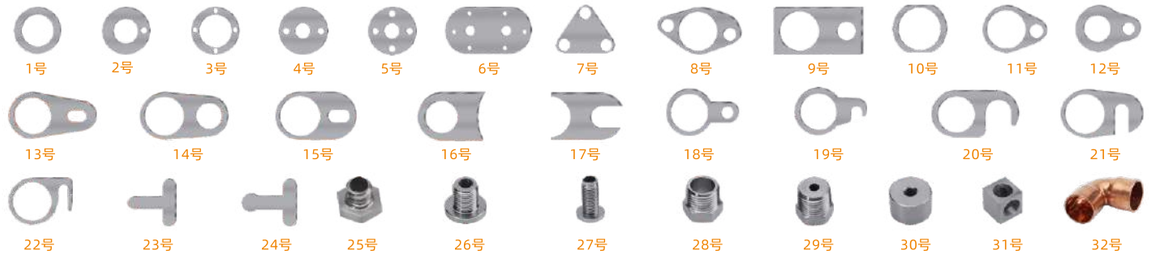
Design the cartridge heater you need most

ELEKHEAT



Customizable in various shapes, flanges, mounting plates, threaded sections, and right-angle configurations.



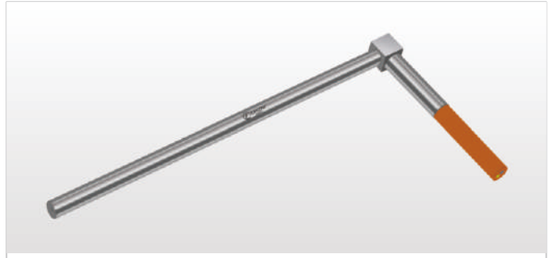
Bag Making Machine - Film Blowing Machine - Snap-On Protective Wire Cartridge Heater

Smart Equipment Automation - Cartridge Heater with Limit Switch

Machinery Equipment - Single-End Threaded Cartridge Heater

Automation Equipment - Single-End Threaded Cartridge Heater

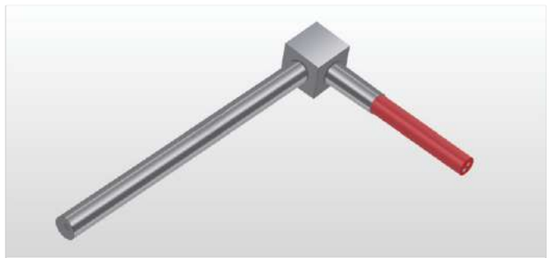
Towel Rack Cartridge Heater



Pelletizer Die Cartridge Heater

Medical Diagnostic Equipment Cartridge Heater

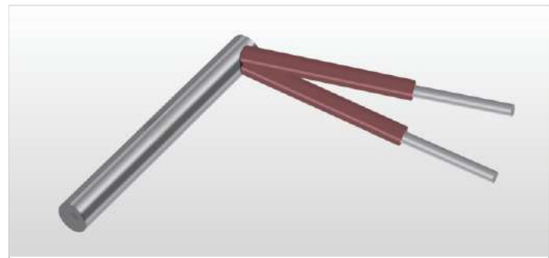
Medical Device Cartridge Heater



Hexagonal Side-Exit - Die Cartridge Heater

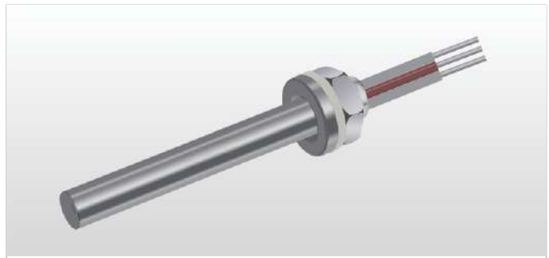
Environmental Machinery Mold Metal Bellows Sleeve Cartridge Heater

Flange Waterproof Custom Cartridge Heater



Side-Exit Cartridge Heater

Vulcanizing Machine Cartridge Heater



Grounded - Medical Equipment Cartridge Heater

## Customization Information

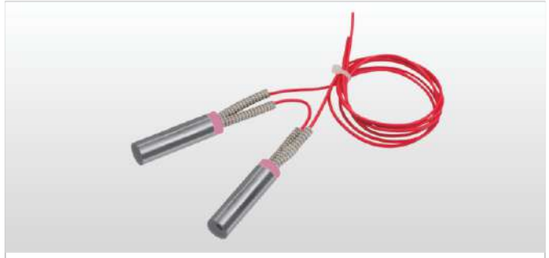
1. Heating element diameter, length (or mounting hole size), rated voltage, rated power, power range;
2. Effective heating length of the heating element;
3. Heating medium and operating temperature;
4. Daily operating hours of the heating element;
5. Mounting method and sheathing type;
6. Heating element lead length and lead temperature tolerance

Note: Please provide as much detail as possible regarding your product requirements and usage information. Elekheat Electric Heating will design and manufacture products that best meet your needs!

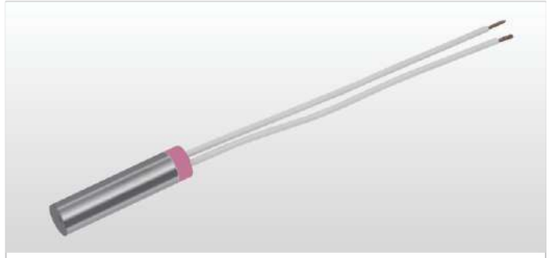
ELEKHEAT Electric Heating
Professional Manufacturer

# Hot Melt Glue Machine Cartridge Heaters

Stable performance | Rapid heating | Quality assurance | Customization available

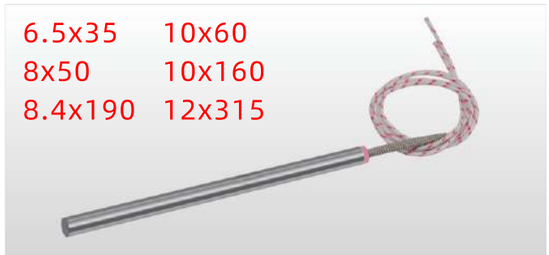


9.4x35 - Hot Melt Glue Machine Cartridge Heater - 2 in Parallel



10x35/10x40 - Hot Melt Glue Machine Direct Wire Cartridge Heater

4x40 - Hot Melt Glue Machine External Wire Cartridge Heater




Standard Wire Type - Cartridge Heater

Round Flange Type - Cartridge Heater

Fixed Plate Type - Cartridge Heater

Hex Flange Type - Cartridge Heater

Specifications/Voltage/Power Available - Customized to Order

# Bio-Pellet Stove Ignition Rod

ELEKHEAT Electric Heating's ignition rod, also known as a bio-pellet ignition rod, wood pellet ignition rod, fireplace ignition rod, or combustion stove ignition rod. The ignition rod withstands temperatures up to 600°C (1,093°F) and can endure a maximum of 850°C (1,524°F), with hot insulation meeting customer-specified standards.

Dry fired single head electric heating tube with stainless steel heat sink is a surface nested stainless steel electric heating productThe product has the advantages of large heat dissipation area, fast heating speed,uniform heatdissipation and so on. Widely used inMold temperature machine, dryer, injection molding machine, soldering tin, water heating and other fields.

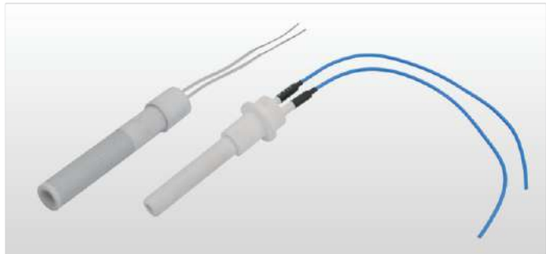

Dry-burn type - ignition rod

Pellet stove ignition rod

Heater ignition rod 9.5x100mm - 120V - 200W

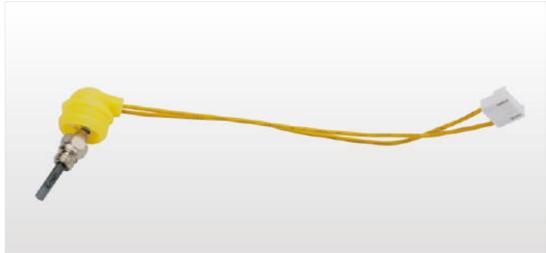

Pellet ignition rod 17x115mm - 220V - 410W


Silicon nitride ceramic heating element



Ceramic Ignition Rod

Protective clothing heat press - 220V - 1000W

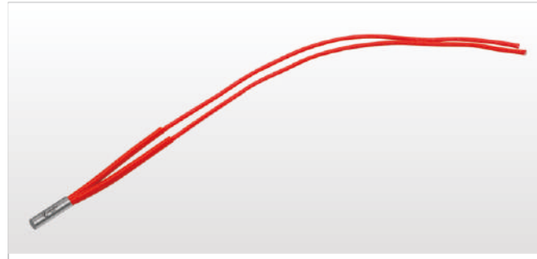


Gasoline/Diesel Parking Heater Ignition Rod 24V-85W

# ELEKHEAT-3D Printer Cartridge Heater

ELEKHEAT-3D Printer Cartridge Heater is a heating element specifically developed and manufactured for 3D printers. Crafted from premium imported materials, it has been validated and endorsed by numerous 3D printer manufacturers over the years.

Available voltages include: 12V/24V/36V/120V/220V. Custom voltages can be provided upon request.

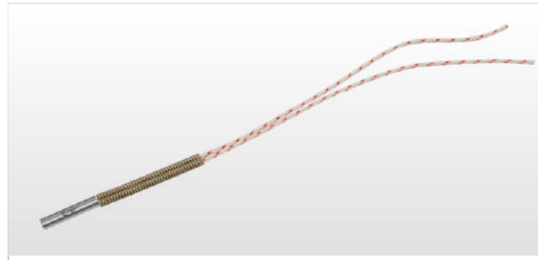


3D Printer Cartridge Heater 6X15

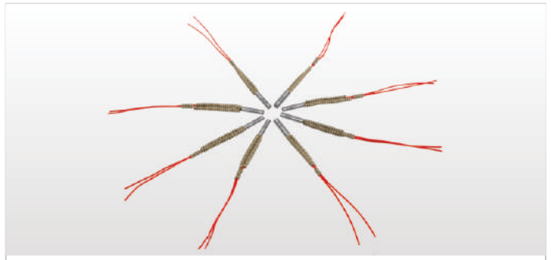
3D Printer Cartridge Heater 6X20

3D Printer Cartridge Heater 6-25-24V-40W

3D Printer Cartridge Heater 6X30



3D Printer Cartridge Heater 6X40



3D Printer Cartridge Heater

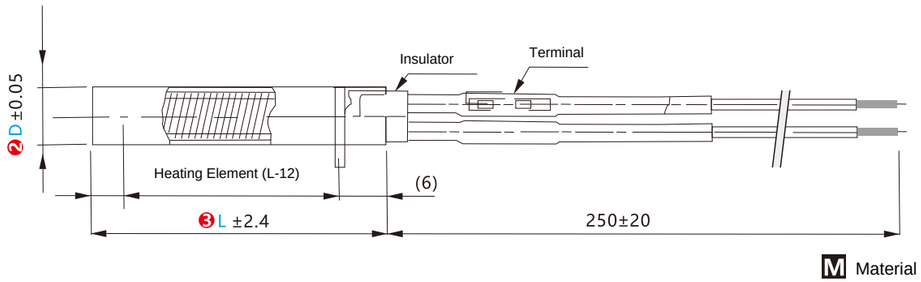
Fast heating, long service life

Heating wires, magnesium rods, and tubing of varying grades can be selected for use in 3D printer machinery based on specific application requirements.

# 3D Curved Glass Machine Heating Tube High Temperature 900°C

ELEKHEAT employs its proprietary fully intelligent optimization algorithm to rapidly identify the optimal drilling positions for heat spreaders and the power distribution of heating tubes. This optimizes the temperature differential across the heat spreader's effective area to its theoretical limit, ensuring uniform heating of graphite molds and significantly improving the yield rate for 3D curved glass forming.

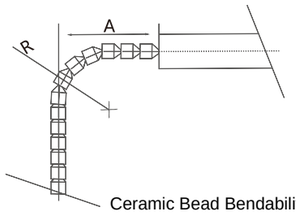
## Reference Drawing




A. Insulation tube color: white or red

B. Maximum operating temperature: 1000°C

C. The maximum operating temperature refers to the temperature of the armored tube section. Please note the wire's heat resistance rating (500°C). The wire must be routed through the installation hole.




Ceramic Bead Bendability

Ceramic Bead Display

Ceramic Bead Ceramic Cap Section

Direct-Exit Connector

Conductor: Copper (Nickel-Plated)
Conductor Sheathing: Glass Fiber Braid
Conductor Heat Resistance: 600°C

Some parameters are for reference only; please refer to the actual custom specifications:

| (Diameter) | (Length) | (Voltage) | (Wattage) | (W/cm²) |
|---|---|---|---|---|
| 16mm | 210-290mm | AC380V | 600/750/850/900/950/1000w | Calculate based on the power density of the heated section (rather than the entire length) |

## NAS H840 NAS heat-resistant steel

The NAS H840 features highly oxidation-resistant and corrosion-resistant austenitic stainless steel, suitable for outer tubes of high-grade electric heating elements.

Applications: Heating elements, heat exchangers, petrochemical processing, power generation equipment heaters, industrial furnaces, acid manufacturing equipment, nuclear fuel processing, oil and gas, coastal facilities.

Mechanical Properties (Room Temperature)

Table 1: Specific Properties of NAS 800L

| | T (mm) | Y.S. (n/mm²) | T.S. (n/mm²) | EL (%) | Hardness | |
|---|---|---|---|---|---|---|
| | | | | | HRB | HV |
| Specifications | | ≥170 | ≥485 | ≥30 | ≥92 | ≥210 |
| Typical Values | 0.5 | 232 | 520 | 38 | — | 146 |
| | 0.2 | 201 | 498 | 38 | — | 146 |

Physical Properties

Table 2: Physical Properties of NAS H840 (Room Temperature)

| | | |
|---|---|---|
| Density | g/cm³ | 7.92 |
| Fixed resistance | JuΩ.CM | 90.0 |
| Thermal conductivity | W/cm.k | 0.13 |
| Specific heat | J/g.k | 0.450 |
| Thermal diffusivity | Cm²/s | 0.037 |

## NAS H800L NAS High-Alloy Stainless Heat-Resistant Steel

NAS 800L is an alloy exhibiting exceptional corrosion resistance in chloride environments.

NAS 800H offers excellent high-temperature corrosion resistance and can also serve as an acid-resistant steel:

NAS 800T is a high-nickel heat-resistant steel maintaining good strength at elevated temperatures, featuring corrosion resistance and chloride resistance. It exhibits high microstructural stability at high temperatures. Through controlled grain size and precise regulation of C (carbon), Ti (titanium), and Al (aluminum) content during high-temperature heat treatment, it achieves exceptionally high creep strength.

Physical Properties

Table 1 Physical Properties of NAS 800L

| | | | |
|---|---|---|---|
| Density | g/cm³ | — | 8.02 |
| Specific heat capacity | J/g.k | — | 0.460 |
| Fixed resistance | JuΩ.cm | — | 99 |
| Thermal conductivity | W/cm.k | — | 0.17 |
| Average thermal expansion coefficient | $10^{-6}$/℃ | 38-100℃ | 14.2 |
| — | — | 38-400℃ 16.6 | 16.6 |
| — | — | 38-850℃ 18.4 | 18.4 |

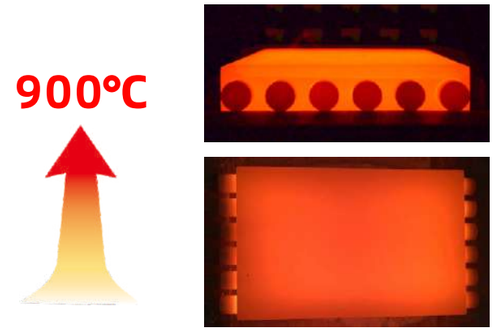


Rapid heating, extended service life

Power and voltage customizable upon request

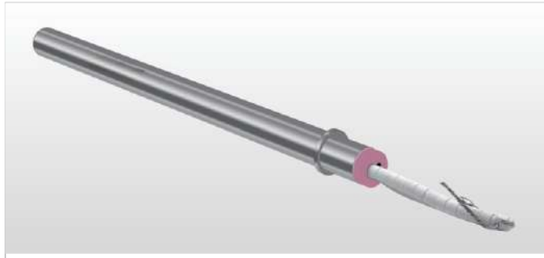
Suitable for hot press forming machinery and mechanical equipment

Select heating wire, magnesium rod, and tubing quality based on specific application requirements




Stainless Steel Direct Lead-Out Type

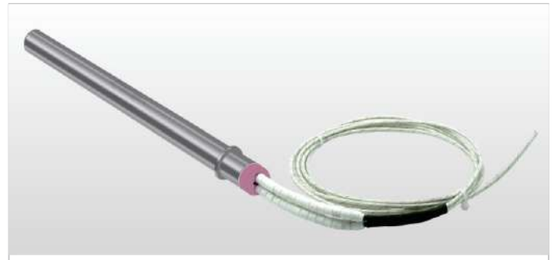
High-Temperature Resistant Ceramic Bead Direct Plug-In Type



High-Temperature Resistant Ceramic Bead with Nickel-Manganese Direct Lead-Out Type

High-Temperature Resistant Ceramic Bead with High-Temperature Nickel-Manganese Wire Lead-Out Type

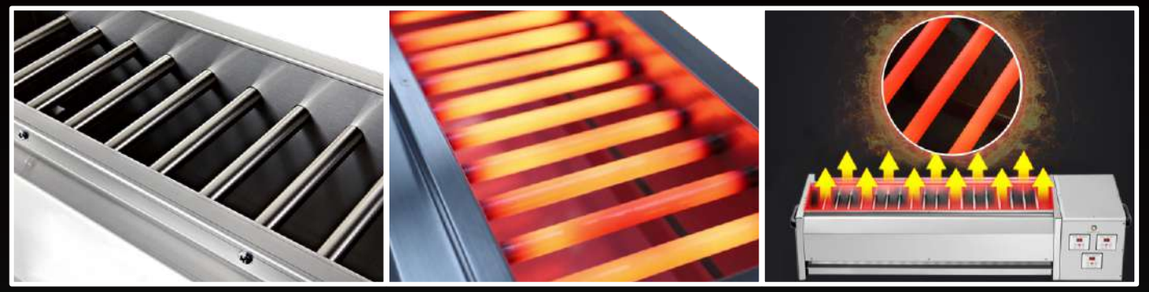
High-Temperature Resistant Ceramic Plug/Protective Ceramic Bead Fixed Lead-Out Type



High-Temperature Resistant Ceramic Plug/Protective Ceramic Bead Extended Lead-Out Type

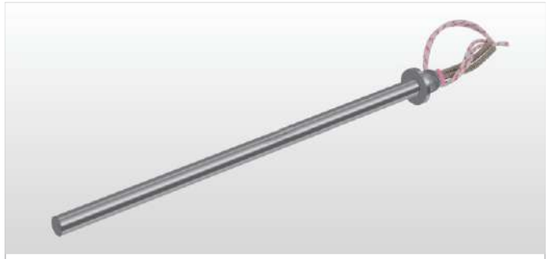
# Barbecue Grill - Cartridge Heater

Fast heating speed, temperature range up to 800°C, preheating takes only 1-3 minutes, long service life.
Power and voltage can be customized upon request.



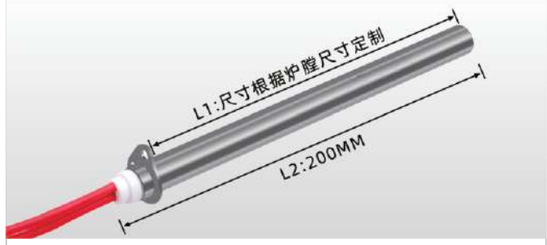

Dry-Burning Cartridge Heater for Barbecue Grill - Threaded Type

Dry-Burning Cartridge Heater for Barbecue Grill - Threaded Type

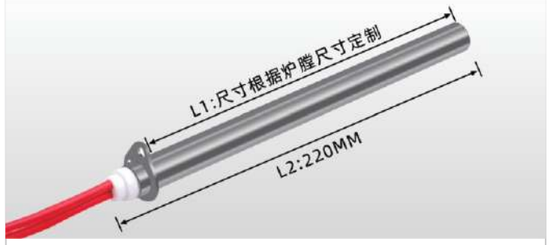


Barbecue Grill Cartridge Heater with Single-Side Thread

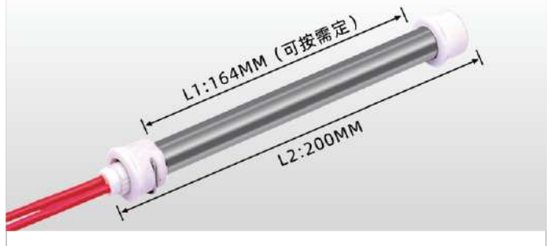
Barbecue Grill Cartridge Heater with Gasket



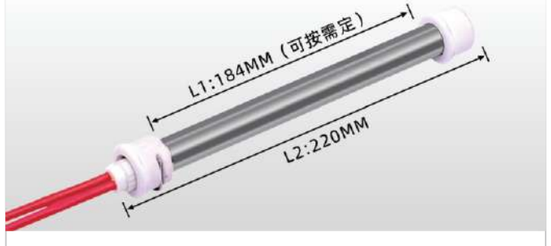

Gasket Type 16*200/220V-600W




Gasket Type 16*220/220V-600W




Ceramic Type 16*200/220V-600W




Ceramic Type 16*220/220V-600W

## Ultra-miniature cartridge heater - common specifications table

The non-heating area at the bottom is 3-5mm, the non-heating length at the cable outlet is 3-20mm, the power tol erance is +5%--10%,the diameter tolerance is +0.05, and the length tolerance is ±1.

Common voltages: 12V-24V-36V-48V-100V-110V-200V-220V-230V-240V-380V-480V (customization available upon request)

| Diameter (Diameter Tolerance) | Length (Length Tolerance) | Power per Square Meter (Tolerance +5%-10%) | Standard Voltage/Power (Customizable upon request) |
|---|---|---|---|
| 3mm/±0.05 | 10mm/±1 | 35W/cm² | 12V—24V/20W |
| 3mm/±0.05 | 15mm/±1 | 35W/cm² | 12V—24V/30W |
| 3mm/±0.05 | 20mm/±1 | 25W/cm² | 12V—24V/35W |
| 3mm/±0.05 | 25mm/±1 | 20W/cm² | 12V—24V/35W |
| 3mm/±0.05 | 30mm/±1 | 22W/cm² | 24V—240V/40W |
| 3mm/±0.05 | 35mm/±1 | 20W/cm² | 24V—240V/45W |
| 3mm/±0.05 | 40mm/±1 | 18W/cm² | 24V—240V/50W |
| 3mm/±0.05 | 45mm/±1 | 16W/cm² | 24V—240V/55W |
| 3mm/±0.05 | 50mm/±1 | 16W/cm² | 24V—240V/60W |
| 3mm/±0.05 | 60mm/±1 | 15W/cm² | 24V—240V/70W |
| 3mm/±0.05 | 70mm/±1 | 15W/cm² | 24V—240V/80W |
| 3mm/±0.05 | 80mm/±1 | 14W/cm² | 24V—240V/90W |
| 3mm/±0.05 | 90mm/±1 | 14W/cm² | 24V—240V/100W |
| 3mm/±0.05 | 100mm/±1 | 14W/cm² | 24V—240V/120W |
| 3mm/±0.05 | 120mm/±1 | 15W/cm² | 24V—240V/150W |
| 3mm/±0.05 | 150mm/±1 | 15W/cm² | 24V—240V/200W |
| 3mm/±0.05 | 180mm/±1 | 15W/cm² | 24V—240V/250W |
| 3mm/±0.05 | 200mm/±1 | 17W/cm² | 24V—240V/300W |
| 3mm/±0.05 | 250mm/±1 | 16W/cm² | 24V—240V/350W |
| 3mm/±0.05 | 300mm/±1 | 15W/cm² | 24V—240V/400W |

| | | | |
|---|---|---|---|
| 4mm/±0.05 | 10mm/±1 | 20W/cm² | 12V—24V/20W |
| 4mm/±0.05 | 15mm/±1 | 25W/cm² | 12V—24V/30W |
| 4mm/±0.05 | 20mm/±1 | 28W/cm² | 12V—24V/35W |
| 4mm/±0.05 | 25mm/±1 | 19W/cm² | 12V—24V/35W |
| 4mm/±0.05 | 30mm/±1 | 16W/cm² | 24V—240V/40W |
| 4mm/±0.05 | 35mm/±1 | 15W/cm² | 24V—240V/45W |
| 4mm/±0.05 | 40mm/±1 | 14W/cm² | 24V—240V/50W |
| 4mm/±0.05 | 45mm/±1 | 12W/cm² | 24V—240V/55W |
| 4mm/±0.05 | 50mm/±1 | 12W/cm² | 24V—240V/60W |
| 4mm/±0.05 | 60mm/±1 | 12W/cm² | 24V—240V/70W |
| 4mm/±0.05 | 70mm/±1 | 12W/cm² | 24V—240V/80W |
| 4mm/±0.05 | 80mm/±1 | 10W/cm² | 24V—240V/90W |
| 4mm/±0.05 | 90mm/±1 | 10W/cm² | 24V—240V/100W |
| 4mm/±0.05 | 100mm/±1 | 11W/cm² | 24V—240V/120W |
| 4mm/±0.05 | 120mm/±1 | 11W/cm² | 24V—240V/150W |

| | | | |
|---|---|---|---|
| 4mm/±0.05 | 150mm/±1 | 12W/cm² | 24V—240V/200W |
| 4mm/±0.05 | 180mm/±1 | 12W/cm² | 24V—240V/250W |
| 4mm/±0.05 | 200mm/±1 | 13W/cm² | 24V—240V/300W |
| 4mm/±0.05 | 250mm/±1 | 12W/cm² | 24V—240V/350W |
| 4mm/±0.05 | 300mm/±1 | 11W/cm² | 24V—240V/400W |

| | | | |
|---|---|---|---|
| 5mm/±0.05 | 10mm/±1 | 16W/cm² | 12V—24V/20W |
| 5mm/±0.05 | 15mm/±1 | 19W/cm² | 12V—24V/30W |
| 5mm/±0.05 | 20mm/±1 | 22W/cm² | 12V—24V/35W |
| 5mm/±0.05 | 25mm/±1 | 15W/cm² | 12V—24V/35W |
| 5mm/±0.05 | 30mm/±1 | 14W/cm² | 24V—240V/40W |
| 5mm/±0.05 | 35mm/±1 | 12W/cm² | 24V—240V/45W |
| 5mm/±0.05 | 40mm/±1 | 11W/cm² | 24V—240V/50W |
| 5mm/±0.05 | 45mm/±1 | 10W/cm² | 24V—240V/55W |
| 5mm/±0.05 | 50mm/±1 | 10W/cm² | 24V—240V/60W |
| 5mm/±0.05 | 60mm/±1 | 9W/cm² | 24V—240V/70W |
| 5mm/±0.05 | 70mm/±1 | 9W/cm² | 24V—240V/80W |
| 5mm/±0.05 | 80mm/±1 | 8W/cm² | 24V—240V/90W |
| 5mm/±0.05 | 90mm/±1 | 8W/cm² | 24V—240V/100W |
| 5mm/±0.05 | 100mm/±1 | 9W/cm² | 24V—240V/120W |
| 5mm/±0.05 | 120mm/±1 | 9W/cm² | 24V—240V/150W |
| 5mm/±0.05 | 150mm/±1 | 9W/cm² | 24V—240V/200W |
| 5mm/±0.05 | 180mm/±1 | 10W/cm² | 24V—240V/250W |
| 5mm/±0.05 | 200mm/±1 | 10W/cm² | 24V—240V/300W |
| 5mm/±0.05 | 250mm/±1 | 10W/cm² | 24V—240V/350W |
| 5mm/±0.05 | 300mm/±1 | 9W/cm² | 24V—240V/400W |
| 5mm/±0.05 | 350mm/±1 | 9W/cm² | 24V—240V/450W |
| 5mm/±0.05 | 400mm/±1 | 9W/cm² | 24V—240V/500W |
| 5mm/±0.05 | 450mm/±1 | 9W/cm² | 24V—240V/600W |
| 5mm/±0.05 | 500mm/±1 | 8W/cm² | 24V—240V/650W |
| 5mm/±0.05 | 550mm/±1 | 8W/cm² | 24V—240V/700W |
| 5mm/±0.05 | 600mm/±1 | 8W/cm² | 24V—240V/700W |
| 5mm/±0.05 | 650mm/±1 | 8W/cm² | 24V—240V/800W |
| 5mm/±0.05 | 800mm/±1 | 8W/cm² | 24V—240V/1000W |



## Mold cartridge heater - Common specifications table

The non-heating area at the bottom is 3-5mm, the non-heating length at the cable outlet is 3-20mm, the power tol erance is +5%--10%,the diameter tolerance is +0.05, and the length tolerance is ±1.

Common voltages: 12V-24V-36V-48V-100V-110V-200V-220V-230V-240V-380V-480V (customization available upon request)

| Diameter (Diameter Tolerance) | Length (Length Tolerance) | Power per Square Meter (Tolerance +5%-10%) | Standard Voltage/Power (Customizable upon request) |
|---|---|---|---|
| 6mm/±0.05 | 10mm/±1 | 19W/cm² | 12V—24V/20W |
| 6mm/±0.05 | 15mm/±1 | 20W/cm² | 12V—24V/30W |
| 6mm/±0.05 | 20mm/±1 | 19W/cm² | 12V—24V/35W |
| 6mm/±0.05 | 25mm/±1 | 13W/cm² | 12V—24V/35W |
| 6mm/±0.05 | 30mm/±1 | 8W/cm² | 24V—240V/30W |
| 6mm/±0.05 | 30mm/±1 | 12W/cm² | 24V—240V/45W |
| 6mm/±0.05 | 30mm/±1 | 15W/cm² | 24V—240V/55W |
| 6mm/±0.05 | 35mm/±1 | 8W/cm² | 24V—240V/35W |
| 6mm/±0.05 | 35mm/±1 | 12W/cm² | 24V—240V/55W |
| 6mm/±0.05 | 35mm/±1 | 15W/cm² | 24V—240V/70W |
| 6mm/±0.05 | 40mm/±1 | 8W/cm² | 24V—240V/45W |
| 6mm/±0.05 | 40mm/±1 | 12W/cm² | 24V—240V/65W |
| 6mm/±0.05 | 40mm/±1 | 15W/cm² | 24V—240V/85W |
| 6mm/±0.05 | 45mm/±1 | 8W/cm² | 24V—240V/50W |
| 6mm/±0.05 | 45mm/±1 | 12W/cm² | 24V—240V/80W |
| 6mm/±0.05 | 45mm/±1 | 15W/cm² | 24V—240V/100W |
| 6mm/±0.05 | 50mm/±1 | 8W/cm² | 24V—240V/60W |
| 6mm/±0.05 | 50mm/±1 | 12W/cm² | 24V—240V/90W |
| 6mm/±0.05 | 50mm/±1 | 15W/cm² | 24V—240V/110W |
| 6mm/±0.05 | 60mm/±1 | 8W/cm² | 24V—240V/75W |
| 6mm/±0.05 | 60mm/±1 | 12W/cm² | 24V—240V/110W |
| 6mm/±0.05 | 60mm/±1 | 15W/cm² | 24V—240V/140W |
| 6mm/±0.05 | 70mm/±1 | 8W/cm² | 24V—240V/90W |
| 6mm/±0.05 | 70mm/±1 | 12W/cm² | 24V—240V/130W |
| 6mm/±0.05 | 70mm/±1 | 15W/cm² | 24V—240V/170W |
| 6mm/±0.05 | 80mm/±1 | 8W/cm² | 24V—240V/100W |
| 6mm/±0.05 | 80mm/±1 | 12W/cm² | 24V—240V/160W |
| 6mm/±0.05 | 80mm/±1 | 15W/cm² | 24V—240V/200W |
| 6mm/±0.05 | 90mm/±1 | 8W/cm² | 24V—240V/120W |
| 6mm/±0.05 | 90mm/±1 | 12W/cm² | 24V—240V/180W |
| 6mm/±0.05 | 90mm/±1 | 15W/cm² | 24V—240V/230W |
| 6mm/±0.05 | 100mm/±1 | 8W/cm² | 24V—240V/140W |
| 6mm/±0.05 | 100mm/±1 | 12W/cm² | 24V—240V/200W |
| 6mm/±0.05 | 100mm/±1 | 15W/cm² | 24V—240V/250W |
| 6mm/±0.05 | 120mm/±1 | 8W/cm² | 24V—240V/160W |
| 6mm/±0.05 | 120mm/±1 | 12W/cm² | 24V—240V/250W |

| Diameter (Diameter Tolerance) | Length (Length Tolerance) | Power per Square Meter (Tolerance +5%-10%) | Standard Voltage/Power (Customizable upon request) |
|---|---|---|---|
| 6mm/±0.05 | 120mm/±1 | 15W/cm² | 12V—240V/320W |
| 6mm/±0.05 | 150mm/±1 | 8W/cm² | 12V—240V/200W |
| 6mm/±0.05 | 150mm/±1 | 12W/cm² | 12V—240V/300W |
| 6mm/±0.05 | 150mm/±1 | 15W/cm² | 24V—240V/400W |
| 6mm/±0.05 | 180mm/±1 | 8W/cm² | 24V—240V/250W |
| 6mm/±0.05 | 180mm/±1 | 12W/cm² | 24V—240V/380W |
| 6mm/±0.05 | 180mm/±1 | 15W/cm² | 24V—240V/480W |
| 6mm/±0.05 | 200mm/±1 | 8W/cm² | 24V—240V/280W |
| 6mm/±0.05 | 200mm/±1 | 12W/cm² | 24V—240V/430W |
| 6mm/±0.05 | 200mm/±1 | 15W/cm² | 24V—240V/540W |
| 6mm/±0.05 | 220mm/±1 | 8W/cm² | 24V—240V/310W |
| 6mm/±0.05 | 220mm/±1 | 12W/cm² | 24V—240V/470W |
| 6mm/±0.05 | 220mm/±1 | 15W/cm² | 24V—240V/600W |
| 6mm/±0.05 | 250mm/±1 | 8W/cm² | 24V—240V/350W |
| 6mm/±0.05 | 250mm/±1 | 12W/cm² | 24V—240V/550W |
| 6mm/±0.05 | 250mm/±1 | 15W/cm² | 24V—240V/650W |
| 6mm/±0.05 | 300mm/±1 | 8W/cm² | 24V—240V/450W |
| 6mm/±0.05 | 300mm/±1 | 12W/cm² | 24V—240V/650W |
| 6mm/±0.05 | 300mm/±1 | 15W/cm² | 24V—240V/800W |
| 6mm/±0.05 | 350mm/±1 | 8W/cm² | 24V—240V/500W |
| 6mm/±0.05 | 350mm/±1 | 12W/cm² | 24V—240V/750W |
| 6mm/±0.05 | 350mm/±1 | 15W/cm² | 24V—240V/950W |
| 6mm/±0.05 | 400mm/±1 | 8W/cm² | 24V—240V/580W |
| 6mm/±0.05 | 400mm/±1 | 12W/cm² | 24V—240V/880W |
| 6mm/±0.05 | 400mm/±1 | 15W/cm² | 24V—240V/1100W |
| 6mm/±0.05 | 450mm/±1 | 8W/cm² | 24V—240V/650W |
| 6mm/±0.05 | 450mm/±1 | 12W/cm² | 24V—240V/1000W |
| 6mm/±0.05 | 450mm/±1 | 15W/cm² | 24V—240V/1250W |
| 6mm/±0.05 | 500mm/±1 | 8W/cm² | 24V—240V/750W |
| 6mm/±0.05 | 500mm/±1 | 12W/cm² | 24V—240V/1100W |
| 6mm/±0.05 | 500mm/±1 | 15W/cm² | 24V—240V/1400W |
| 6mm/±0.05 | 600mm/±1 | 8W/cm² | 24V—240V/900W |
| 6mm/±0.05 | 600mm/±1 | 12W/cm² | 24V—240V/1350W |
| 6mm/±0.05 | 600mm/±1 | 15W/cm² | 24V—240V/1700W |

## Mold cartridge heater - Common specifications table

The non-heating area at the bottom is 3-5mm, the non-heating length at the cable outlet is 3-20mm, the power tol erance is +5%--10%,the diameter tolerance is +0.05, and the length tolerance is ±1.

Common voltages: 12V-24V-36V-48V-100V-110V-200V-220V-230V-240V-380V-480V (customization available upon request)

| Diameter (Diameter Tolerance) | Length (Length Tolerance) | Power per Square Meter (Tolerance +5%-10%) | Standard Voltage/Power (Customizable upon request) |
|---|---|---|---|
| 8mm/±0.05 | 20mm/±1 | 12W/cm² | 24V—240V/30W |
| 8mm/±0.05 | 20mm/±1 | 15W/cm² | 24V—240V/40W |
| 8mm/±0.05 | 25mm/±1 | 12W/cm² | 24V—240V/45W |
| 8mm/±0.05 | 25mm/±1 | 15W/cm² | 24V—240V/55W |
| 8mm/±0.05 | 30mm/±1 | 8W/cm² | 24V—240V/40W |
| 8mm/±0.05 | 30mm/±1 | 12W/cm² | 24V—240V/60W |
| 8mm/±0.05 | 30mm/±1 | 15W/cm² | 24V—240V/80W |
| 8mm/±0.05 | 35mm/±1 | 8W/cm² | 24V—240V/50W |
| 8mm/±0.05 | 35mm/±1 | 12W/cm² | 24V—240V/80W |
| 8mm/±0.05 | 35mm/±1 | 15W/cm² | 24V—240V/100W |
| 8mm/±0.05 | 40mm/±1 | 8W/cm² | 24V—240V/60W |
| 8mm/±0.05 | 40mm/±1 | 12W/cm² | 24V—240V/90W |
| 8mm/±0.05 | 40mm/±1 | 15W/cm² | 24V—240V/120W |
| 8mm/±0.05 | 45mm/±1 | 8W/cm² | 24V—240V/80W |
| 8mm/±0.05 | 45mm/±1 | 12W/cm² | 24V—240V/110W |
| 8mm/±0.05 | 45mm/±1 | 15W/cm² | 24V—240V/130W |
| 8mm/±0.05 | 50mm/±1 | 8W/cm² | 24V—240V/80W |
| 8mm/±0.05 | 50mm/±1 | 12W/cm² | 24V—240V/120W |
| 8mm/±0.05 | 50mm/±1 | 15W/cm² | 24V—240V/150W |
| 8mm/±0.05 | 60mm/±1 | 8W/cm² | 24V—240V/100W |
| 8mm/±0.05 | 60mm/±1 | 12W/cm² | 24V—240V/150W |
| 8mm/±0.05 | 60mm/±1 | 15W/cm² | 24V—240V/190W |
| 8mm/±0.05 | 70mm/±1 | 8W/cm² | 24V—240V/120W |
| 8mm/±0.05 | 70mm/±1 | 12W/cm² | 24V—240V/180W |
| 8mm/±0.05 | 70mm/±1 | 15W/cm² | 24V—240V/220W |
| 8mm/±0.05 | 80mm/±1 | 8W/cm² | 24V—240V/140W |
| 8mm/±0.05 | 80mm/±1 | 12W/cm² | 24V—240V/210W |
| 8mm/±0.05 | 80mm/±1 | 15W/cm² | 24V—240V/260W |
| 8mm/±0.05 | 90mm/±1 | 8W/cm² | 24V—240V/160W |
| 8mm/±0.05 | 90mm/±1 | 12W/cm² | 24V—240V/240W |
| 8mm/±0.05 | 90mm/±1 | 15W/cm² | 24V—240V/300W |
| 8mm/±0.05 | 100mm/±1 | 8W/cm² | 24V—240V/180W |
| 8mm/±0.05 | 100mm/±1 | 12W/cm² | 24V—240V/270W |
| 8mm/±0.05 | 100mm/±1 | 15W/cm² | 24V—240V/340W |
| 8mm/±0.05 | 120mm/±1 | 8W/cm² | 24V—240V/220W |
| 8mm/±0.05 | 120mm/±1 | 12W/cm² | 24V—240V/330W |

| Diameter (Diameter Tolerance) | Length (Length Tolerance) | Power per Square Meter (Tolerance +5%-10%) | Standard Voltage/Power (Customizable upon request) |
|---|---|---|---|
| 8mm/±0.05 | 120mm/±1 | 15W/cm² | 24V—240V/400W |
| 8mm/±0.05 | 150mm/±1 | 8W/cm² | 24V—240V/300W |
| 8mm/±0.05 | 150mm/±1 | 12W/cm² | 24V—240V/450W |
| 8mm/±0.05 | 150mm/±1 | 15W/cm² | 12V—240V/560W |
| 8mm/±0.05 | 180mm/±1 | 8W/cm² | 24V—240V/350W |
| 8mm/±0.05 | 180mm/±1 | 12W/cm² | 24V—240V/510W |
| 8mm/±0.05 | 180mm/±1 | 15W/cm² | 24V—240V/650W |
| 8mm/±0.05 | 200mm/±1 | 8W/cm² | 24V—240V/380W |
| 8mm/±0.05 | 200mm/±1 | 12W/cm² | 24V—240V/570W |
| 8mm/±0.05 | 200mm/±1 | 15W/cm² | 24V—240V/710W |
| 8mm/±0.05 | 220mm/±1 | 8W/cm² | 24V—240V/420W |
| 8mm/±0.05 | 220mm/±1 | 12W/cm² | 24V—240V/630W |
| 8mm/±0.05 | 220mm/±1 | 15W/cm² | 24V—240V/790W |
| 8mm/±0.05 | 250mm/±1 | 8W/cm² | 24V—240V/480W |
| 8mm/±0.05 | 250mm/±1 | 12W/cm² | 24V—240V/720W |
| 8mm/±0.05 | 250mm/±1 | 15W/cm² | 24V—240V/900W |
| 8mm/±0.05 | 300mm/±1 | 8W/cm² | 24V—240V/580W |
| 8mm/±0.05 | 300mm/±1 | 12W/cm² | 24V—240V/870W |
| 8mm/±0.05 | 300mm/±1 | 15W/cm² | 24V—240V/1100W |
| 8mm/±0.05 | 350mm/±1 | 8W/cm² | 24V—240V/680W |
| 8mm/±0.05 | 350mm/±1 | 12W/cm² | 24V—240V/1000W |
| 8mm/±0.05 | 350mm/±1 | 15W/cm² | 24V—240V/1300W |
| 8mm/±0.05 | 400mm/±1 | 8W/cm² | 24V—240V/780W |
| 8mm/±0.05 | 400mm/±1 | 12W/cm² | 24V—240V/1150W |
| 8mm/±0.05 | 400mm/±1 | 15W/cm² | 24V—240V/1450W |
| 8mm/±0.05 | 450mm/±1 | 8W/cm² | 24V—240V/880W |
| 8mm/±0.05 | 450mm/±1 | 12W/cm² | 24V—240V/1300W |
| 8mm/±0.05 | 450mm/±1 | 15W/cm² | 24V—240V/1650W |
| 8mm/±0.05 | 500mm/±1 | 8W/cm² | 24V—240V/1000W |
| 8mm/±0.05 | 500mm/±1 | 12W/cm² | 24V—240V/1500W |
| 8mm/±0.05 | 500mm/±1 | 15W/cm² | 24V—240V/1850W |
| 8mm/±0.05 | 600mm/±1 | 8W/cm² | 24V—240V/1200W |
| 8mm/±0.05 | 600mm/±1 | 12W/cm² | 24V—240V/1800W |
| 8mm/±0.05 | 600mm/±1 | 15W/cm² | 24V—240V/2200W |



## Mold cartridge heater - Common specifications table

The non-heating area at the bottom is 3-5mm, the non-heating length at the cable outlet is 3-20mm, the power tol erance is +5%--10%,the diameter tolerance is +0.05, and the length tolerance is ±1.

Common voltages: 12V-24V-36V-48V-100V-110V-200V-220V-230V-240V-380V-480V (customization available upon request)

| Diameter (Diameter Tolerance) | Length (Length Tolerance) | Power per Square Meter (Tolerance +5%-10%) | Standard Voltage/Power (Customizable upon request) |
|---|---|---|---|
| 10mm/±0.05 | 20mm/±1 | 8W/cm² | 24V—240V/25W |
| 10mm/±0.05 | 20mm/±1 | 12W/cm² | 24V—240V/35W |
| 10mm/±0.05 | 20mm/±1 | 15W/cm² | 24V—240V/50W |
| 10mm/±0.05 | 25mm/±1 | 8W/cm² | 24V—240V/35W |
| 10mm/±0.05 | 25mm/±1 | 12W/cm² | 24V—240V/55W |
| 10mm/±0.05 | 25mm/±1 | 15W/cm² | 24V—240V/70W |
| 10mm/±0.05 | 30mm/±1 | 8W/cm² | 24V—240V/50W |
| 10mm/±0.05 | 30mm/±1 | 12W/cm² | 24V—240V/75W |
| 10mm/±0.05 | 30mm/±1 | 15W/cm² | 24V—240V/95W |
| 10mm/±0.05 | 35mm/±1 | 8W/cm² | 24V—240V/60W |
| 10mm/±0.05 | 35mm/±1 | 12W/cm² | 24V—240V/90W |
| 10mm/±0.05 | 35mm/±1 | 15W/cm² | 24V—240V/120W |
| 10mm/±0.05 | 40mm/±1 | 8W/cm² | 24V—240V/75W |
| 10mm/±0.05 | 40mm/±1 | 12W/cm² | 24V—240V/110W |
| 10mm/±0.05 | 40mm/±1 | 15W/cm² | 24V—240V/140W |
| 10mm/±0.05 | 45mm/±1 | 8W/cm² | 24V—240V/90W |
| 10mm/±0.05 | 45mm/±1 | 12W/cm² | 24V—240V/130W |
| 10mm/±0.05 | 45mm/±1 | 15W/cm² | 24V—240V/165W |
| 10mm/±0.05 | 50mm/±1 | 8W/cm² | 24V—240V/100W |
| 10mm/±0.05 | 50mm/±1 | 12W/cm² | 24V—240V/150W |
| 10mm/±0.05 | 50mm/±1 | 15W/cm² | 24V—240V/190W |
| 10mm/±0.05 | 60mm/±1 | 8W/cm² | 24V—240V/130W |
| 10mm/±0.05 | 60mm/±1 | 12W/cm² | 24V—240V/190W |
| 10mm/±0.05 | 60mm/±1 | 15W/cm² | 24V—240V/240W |
| 10mm/±0.05 | 70mm/±1 | 8W/cm² | 24V—240V/150W |
| 10mm/±0.05 | 70mm/±1 | 12W/cm² | 24V—240V/220W |
| 10mm/±0.05 | 70mm/±1 | 15W/cm² | 24V—240V/280W |
| 10mm/±0.05 | 80mm/±1 | 8W/cm² | 24V—240V/180W |
| 10mm/±0.05 | 80mm/±1 | 12W/cm² | 24V—240V/260W |
| 10mm/±0.05 | 80mm/±1 | 15W/cm² | 24V—240V/330W |
| 10mm/±0.05 | 90mm/±1 | 8W/cm² | 24V—240V/200W |
| 10mm/±0.05 | 90mm/±1 | 12W/cm² | 24V—240V/300W |
| 10mm/±0.05 | 90mm/±1 | 15W/cm² | 24V—240V/380W |
| 10mm/±0.05 | 100mm/±1 | 8W/cm² | 24V—240V/220W |
| 10mm/±0.05 | 100mm/±1 | 12W/cm² | 24V—240V/340W |
| 10mm/±0.05 | 100mm/±1 | 15W/cm² | 24V—240V/420W |

| Diameter (Diameter Tolerance) | Length (Length Tolerance) | Power per Square Meter (Tolerance +5%-10%) | Standard Voltage/Power (Customizable upon request) |
|---|---|---|---|
| 10mm/±0.05 | 120mm/±1 | 8W/cm² | 24V—240V/280W |
| 10mm/±0.05 | 120mm/±1 | 12W/cm² | 24V—240V/400W |
| 10mm/±0.05 | 120mm/±1 | 15W/cm² | 24V—240V/500W |
| 10mm/±0.05 | 150mm/±1 | 8W/cm² | 24V—240V/350W |
| 10mm/±0.05 | 150mm/±1 | 12W/cm² | 24V—240V/520W |
| 10mm/±0.05 | 150mm/±1 | 15W/cm² | 12V—240V/650W |
| 10mm/±0.05 | 180mm/±1 | 8W/cm² | 24V—240V/430W |
| 10mm/±0.05 | 180mm/±1 | 12W/cm² | 24V—240V/650W |
| 10mm/±0.05 | 180mm/±1 | 15W/cm² | 24V—240V/800W |
| 10mm/±0.05 | 200mm/±1 | 8W/cm² | 24V—240V/480W |
| 10mm/±0.05 | 200mm/±1 | 12W/cm² | 24V—240V/700W |
| 10mm/±0.05 | 200mm/±1 | 15W/cm² | 24V—240V/900W |
| 10mm/±0.05 | 220mm/±1 | 8W/cm² | 24V—240V/520W |
| 10mm/±0.05 | 220mm/±1 | 12W/cm² | 24V—240V/800W |
| 10mm/±0.05 | 220mm/±1 | 15W/cm² | 24V—240V/1000W |
| 10mm/±0.05 | 250mm/±1 | 8W/cm² | 24V—240V/600W |
| 10mm/±0.05 | 250mm/±1 | 12W/cm² | 24V—240V/900W |
| 10mm/±0.05 | 250mm/±1 | 15W/cm² | 24V—240V/1100W |
| 10mm/±0.05 | 300mm/±1 | 8W/cm² | 24V—240V/720W |
| 10mm/±0.05 | 300mm/±1 | 12W/cm² | 24V—240V/1100W |
| 10mm/±0.05 | 300mm/±1 | 15W/cm² | 24V—240V/1350W |
| 10mm/±0.05 | 350mm/±1 | 8W/cm² | 24V—240V/850W |
| 10mm/±0.05 | 350mm/±1 | 12W/cm² | 24V—240V/1280W |
| 10mm/±0.05 | 350mm/±1 | 15W/cm² | 24V—240V/1600W |
| 10mm/±0.05 | 400mm/±1 | 8W/cm² | 24V—240V/780W |
| 10mm/±0.05 | 400mm/±1 | 12W/cm² | 24V—240V/1000W |
| 10mm/±0.05 | 400mm/±1 | 15W/cm² | 24V—240V/1450W |
| 10mm/±0.05 | 450mm/±1 | 8W/cm² | 24V—240V/1100W |
| 10mm/±0.05 | 450mm/±1 | 12W/cm² | 24V—240V/1650W |
| 10mm/±0.05 | 450mm/±1 | 15W/cm² | 24V—240V/2000W |
| 10mm/±0.05 | 500mm/±1 | 8W/cm² | 24V—240V/1200W |
| 10mm/±0.05 | 500mm/±1 | 12W/cm² | 24V—240V/1850W |
| 10mm/±0.05 | 500mm/±1 | 15W/cm² | 24V—240V/2300W |
| 10mm/±0.05 | 600mm/±1 | 8W/cm² | 24V—240V/1500W |
| 10mm/±0.05 | 600mm/±1 | 12W/cm² | 24V—240V/2200W |
| 10mm/±0.05 | 600mm/±1 | 15W/cm² | 24V—240V/2800W |

## Mold cartridge heater - Common specifications table

The non-heating area at the bottom is 3-5mm, the non-heating length at the cable outlet is 3-20mm, the power tol erance is +5%--10%,the diameter tolerance is +0.05, and the length tolerance is ±1.

Common voltages: 12V-24V-36V-48V-100V-110V-200V-220V-230V-240V-380V-480V (customization available upon request)

| Diameter (Diameter Tolerance) | Length (Length Tolerance) | Power per Square Meter (Tolerance +5%-10%) | Standard Voltage/Power (Customizable upon request) |
|---|---|---|---|
| 12mm/±0.05 | 20mm/±1 | 8W/cm² | 24V—240V/30W |
| 12mm/±0.05 | 20mm/±1 | 12W/cm² | 24V—240V/45W |
| 12mm/±0.05 | 20mm/±1 | 15W/cm² | 24V—240V/55W |
| 12mm/±0.05 | 25mm/±1 | 8W/cm² | 24V—240V/45W |
| 12mm/±0.05 | 25mm/±1 | 12W/cm² | 24V—240V/70W |
| 12mm/±0.05 | 25mm/±1 | 15W/cm² | 24V—240V/85W |
| 12mm/±0.05 | 30mm/±1 | 8W/cm² | 24V—240V/60W |
| 12mm/±0.05 | 30mm/±1 | 12W/cm² | 24V—240V/90W |
| 12mm/±0.05 | 30mm/±1 | 15W/cm² | 24V—240V/110W |
| 12mm/±0.05 | 35mm/±1 | 8W/cm² | 24V—240V/75W |
| 12mm/±0.05 | 35mm/±1 | 12W/cm² | 24V—240V/110W |
| 12mm/±0.05 | 35mm/±1 | 15W/cm² | 24V—240V/140W |
| 12mm/±0.05 | 40mm/±1 | 8W/cm² | 24V—240V/90W |
| 12mm/±0.05 | 40mm/±1 | 12W/cm² | 24V—240V/140W |
| 12mm/±0.05 | 40mm/±1 | 15W/cm² | 24V—240V/170W |
| 12mm/±0.05 | 45mm/±1 | 8W/cm² | 24V—240V/100W |
| 12mm/±0.05 | 45mm/±1 | 12W/cm² | 24V—240V/160W |
| 12mm/±0.05 | 45mm/±1 | 15W/cm² | 24V—240V/200W |
| 12mm/±0.05 | 50mm/±1 | 8W/cm² | 24V—240V/120W |
| 12mm/±0.05 | 50mm/±1 | 12W/cm² | 24V—240V/180W |
| 12mm/±0.05 | 50mm/±1 | 15W/cm² | 24V—240V/230W |
| 12mm/±0.05 | 60mm/±1 | 8W/cm² | 24V—240V/150W |
| 12mm/±0.05 | 60mm/±1 | 12W/cm² | 24V—240V/230W |
| 12mm/±0.05 | 60mm/±1 | 15W/cm² | 24V—240V/280W |
| 12mm/±0.05 | 70mm/±1 | 8W/cm² | 24V—240V/180W |
| 12mm/±0.05 | 70mm/±1 | 12W/cm² | 24V—240V/270W |
| 12mm/±0.05 | 70mm/±1 | 15W/cm² | 24V—240V/340W |
| 12mm/±0.05 | 80mm/±1 | 8W/cm² | 24V—240V/210W |
| 12mm/±0.05 | 80mm/±1 | 12W/cm² | 24V—240V/310W |
| 12mm/±0.05 | 80mm/±1 | 15W/cm² | 24V—240V/400W |
| 12mm/±0.05 | 90mm/±1 | 8W/cm² | 24V—240V/240W |
| 12mm/±0.05 | 90mm/±1 | 12W/cm² | 24V—240V/360W |
| 12mm/±0.05 | 90mm/±1 | 15W/cm² | 24V—240V/450W |
| 12mm/±0.05 | 100mm/±1 | 8W/cm² | 24V—240V/270W |
| 12mm/±0.05 | 100mm/±1 | 12W/cm² | 24V—240V/400W |
| 12mm/±0.05 | 100mm/±1 | 15W/cm² | 24V—240V/500W |

| Diameter (Diameter Tolerance) | Length (Length Tolerance) | Power per Square Meter (Tolerance +5%-10%) | Standard Voltage/Power (Customizable upon request) |
|---|---|---|---|
| 12mm/±0.05 | 120mm/±1 | 8W/cm² | 24V—240V/330W |
| 12mm/±0.05 | 120mm/±1 | 12W/cm² | 24V—240V/500W |
| 12mm/±0.05 | 120mm/±1 | 15W/cm² | 24V—240V/620W |
| 12mm/±0.05 | 150mm/±1 | 8W/cm² | 24V—240V/420W |
| 12mm/±0.05 | 150mm/±1 | 12W/cm² | 24V—240V/630W |
| 12mm/±0.05 | 150mm/±1 | 15W/cm² | 12V—240V/800W |
| 12mm/±0.05 | 180mm/±1 | 8W/cm² | 24V—240V/500W |
| 12mm/±0.05 | 180mm/±1 | 12W/cm² | 24V—240V/750W |
| 12mm/±0.05 | 180mm/±1 | 15W/cm² | 24V—240V/950W |
| 12mm/±0.05 | 200mm/±1 | 8W/cm² | 24V—240V/570W |
| 12mm/±0.05 | 200mm/±1 | 12W/cm² | 24V—240V/850W |
| 12mm/±0.05 | 200mm/±1 | 15W/cm² | 24V—240V/1000W |
| 12mm/±0.05 | 220mm/±1 | 8W/cm² | 24V—240V/630W |
| 12mm/±0.05 | 220mm/±1 | 12W/cm² | 24V—240V/950W |
| 12mm/±0.05 | 220mm/±1 | 15W/cm² | 24V—240V/1200W |
| 12mm/±0.05 | 250mm/±1 | 8W/cm² | 24V—240V/720W |
| 12mm/±0.05 | 250mm/±1 | 12W/cm² | 24V—240V/1100W |
| 12mm/±0.05 | 250mm/±1 | 15W/cm² | 24V—240V/1350W |
| 12mm/±0.05 | 300mm/±1 | 8W/cm² | 24V—240V/870W |
| 12mm/±0.05 | 300mm/±1 | 12W/cm² | 24V—240V/1300W |
| 12mm/±0.05 | 300mm/±1 | 15W/cm² | 24V—240V/1650W |
| 12mm/±0.05 | 350mm/±1 | 8W/cm² | 24V—240V/1000W |
| 12mm/±0.05 | 350mm/±1 | 12W/cm² | 24V—240V/1550W |
| 12mm/±0.05 | 350mm/±1 | 15W/cm² | 24V—240V/1900W |
| 12mm/±0.05 | 400mm/±1 | 8W/cm² | 24V—240V/1200W |
| 12mm/±0.05 | 400mm/±1 | 12W/cm² | 24V—240V/1750W |
| 12mm/±0.05 | 400mm/±1 | 15W/cm² | 24V—240V/2200W |
| 12mm/±0.05 | 450mm/±1 | 8W/cm² | 24V—240V/1300W |
| 12mm/±0.05 | 450mm/±1 | 12W/cm² | 24V—240V/2000W |
| 12mm/±0.05 | 450mm/±1 | 15W/cm² | 24V—240V/2500W |
| 12mm/±0.05 | 500mm/±1 | 8W/cm² | 24V—240V/1500W |
| 12mm/±0.05 | 500mm/±1 | 12W/cm² | 24V—240V/2200W |
| 12mm/±0.05 | 500mm/±1 | 15W/cm² | 24V—240V/2750W |
| 12mm/±0.05 | 600mm/±1 | 8W/cm² | 24V—240V/1750W |
| 12mm/±0.05 | 600mm/±1 | 12W/cm² | 24V—240V/2650W |
| 12mm/±0.05 | 600mm/±1 | 15W/cm² | 24V—240V/3300W |



## Mold cartridge heater - Common specifications table

The non-heating area at the bottom is 3-5mm, the non-heating length at the cable outlet is 3-20mm, the power tol erance is +5%--10%,the diameter tolerance is +0.05, and the length tolerance is ±1.

Common voltages: 12V-24V-36V-48V-100V-110V-200V-220V-230V-240V-380V-480V (customization available upon request)

| Diameter (Diameter Tolerance) | Length (Length Tolerance) | Power per Square Meter (Tolerance +5%-10%) | Standard Voltage/Power (Customizable upon request) |
|---|---|---|---|
| 14mm/±0.05 | 20mm/±1 | 8W/cm² | 24V—240V/35W |
| 14mm/±0.05 | 20mm/±1 | 12W/cm² | 24V—240V/50W |
| 14mm/±0.05 | 20mm/±1 | 15W/cm² | 24V—240V/65W |
| 14mm/±0.05 | 25mm/±1 | 8W/cm² | 24V—240V/50W |
| 14mm/±0.05 | 25mm/±1 | 12W/cm² | 24V—240V/80W |
| 14mm/±0.05 | 25mm/±1 | 15W/cm² | 24V—240V/100W |
| 14mm/±0.05 | 30mm/±1 | 8W/cm² | 24V—240V/70W |
| 14mm/±0.05 | 30mm/±1 | 12W/cm² | 24V—240V/100W |
| 14mm/±0.05 | 30mm/±1 | 15W/cm² | 24V—240V/130W |
| 14mm/±0.05 | 35mm/±1 | 8W/cm² | 24V—240V/90W |
| 14mm/±0.05 | 35mm/±1 | 12W/cm² | 24V—240V/130W |
| 14mm/±0.05 | 35mm/±1 | 15W/cm² | 24V—240V/160W |
| 14mm/±0.05 | 40mm/±1 | 8W/cm² | 24V—240V/100W |
| 14mm/±0.05 | 40mm/±1 | 12W/cm² | 24V—240V/160W |
| 14mm/±0.05 | 40mm/±1 | 15W/cm² | 24V—240V/200W |
| 14mm/±0.05 | 45mm/±1 | 8W/cm² | 24V—240V/120W |
| 14mm/±0.05 | 45mm/±1 | 12W/cm² | 24V—240V/180W |
| 14mm/±0.05 | 45mm/±1 | 15W/cm² | 24V—240V/230W |
| 14mm/±0.05 | 50mm/±1 | 8W/cm² | 24V—240V/140W |
| 14mm/±0.05 | 50mm/±1 | 12W/cm² | 24V—240V/210W |
| 14mm/±0.05 | 50mm/±1 | 15W/cm² | 24V—240V/260W |
| 14mm/±0.05 | 60mm/±1 | 8W/cm² | 24V—240V/170W |
| 14mm/±0.05 | 60mm/±1 | 12W/cm² | 24V—240V/260W |
| 14mm/±0.05 | 60mm/±1 | 15W/cm² | 24V—240V/320W |
| 14mm/±0.05 | 70mm/±1 | 8W/cm² | 24V—240V/210W |
| 14mm/±0.05 | 70mm/±1 | 12W/cm² | 24V—240V/310W |
| 14mm/±0.05 | 70mm/±1 | 15W/cm² | 24V—240V/400W |
| 14mm/±0.05 | 80mm/±1 | 8W/cm² | 24V—240V/250W |
| 14mm/±0.05 | 80mm/±1 | 12W/cm² | 24V—240V/370W |
| 14mm/±0.05 | 80mm/±1 | 15W/cm² | 24V—240V/460W |
| 14mm/±0.05 | 90mm/±1 | 8W/cm² | 24V—240V/280W |
| 14mm/±0.05 | 90mm/±1 | 12W/cm² | 24V—240V/420W |
| 14mm/±0.05 | 90mm/±1 | 15W/cm² | 24V—240V/420W |
| 14mm/±0.05 | 100mm/±1 | 8W/cm² | 24V—240V/320W |
| 14mm/±0.05 | 100mm/±1 | 12W/cm² | 24V—240V/480W |
| 14mm/±0.05 | 100mm/±1 | 15W/cm² | 24V—240V/600W |

| Diameter (Diameter Tolerance) | Length (Length Tolerance) | Power per Square Meter (Tolerance +5%-10%) | Standard Voltage/Power (Customizable upon request) |
|---|---|---|---|
| 14mm/±0.05 | 120mm/±1 | 8W/cm² | 24V—240V/380W |
| 14mm/±0.05 | 120mm/±1 | 12W/cm² | 24V—240V/580W |
| 14mm/±0.05 | 120mm/±1 | 15W/cm² | 24V—240V/720W |
| 14mm/±0.05 | 150mm/±1 | 8W/cm² | 24V—240V/500W |
| 14mm/±0.05 | 150mm/±1 | 12W/cm² | 24V—240V/750W |
| 14mm/±0.05 | 150mm/±1 | 15W/cm² | 12V—240V/920W |
| 14mm/±0.05 | 180mm/±1 | 8W/cm² | 24V—240V/600W |
| 14mm/±0.05 | 180mm/±1 | 12W/cm² | 24V—240V/900W |
| 14mm/±0.05 | 180mm/±1 | 15W/cm² | 24V—240V/1100W |
| 14mm/±0.05 | 200mm/±1 | 8W/cm² | 24V—240V/670W |
| 14mm/±0.05 | 200mm/±1 | 12W/cm² | 24V—240V/1000W |
| 14mm/±0.05 | 200mm/±1 | 15W/cm² | 24V—240V/1250W |
| 14mm/±0.05 | 220mm/±1 | 8W/cm² | 24V—240V/750W |
| 14mm/±0.05 | 220mm/±1 | 12W/cm² | 24V—240V/1100W |
| 14mm/±0.05 | 220mm/±1 | 15W/cm² | 24V—240V/1400W |
| 14mm/±0.05 | 250mm/±1 | 8W/cm² | 24V—240V/850W |
| 14mm/±0.05 | 250mm/±1 | 12W/cm² | 24V—240V/1250W |
| 14mm/±0.05 | 250mm/±1 | 15W/cm² | 24V—240V/1600W |
| 14mm/±0.05 | 300mm/±1 | 8W/cm² | 24V—240V/1000W |
| 14mm/±0.05 | 300mm/±1 | 12W/cm² | 24V—240V/1500W |
| 14mm/±0.05 | 300mm/±1 | 15W/cm² | 24V—240V/1900W |
| 14mm/±0.05 | 350mm/±1 | 8W/cm² | 24V—240V/1200W |
| 14mm/±0.05 | 350mm/±1 | 12W/cm² | 24V—240V/1800W |
| 14mm/±0.05 | 350mm/±1 | 15W/cm² | 24V—240V/2250W |
| 14mm/±0.05 | 400mm/±1 | 8W/cm² | 24V—240V/1350W |
| 14mm/±0.05 | 400mm/±1 | 12W/cm² | 24V—240V/2000W |
| 14mm/±0.05 | 400mm/±1 | 15W/cm² | 24V—240V/2500W |
| 14mm/±0.05 | 450mm/±1 | 8W/cm² | 24V—240V/1500W |
| 14mm/±0.05 | 450mm/±1 | 12W/cm² | 24V—240V/2300W |
| 14mm/±0.05 | 450mm/±1 | 15W/cm² | 24V—240V/2900W |
| 14mm/±0.05 | 500mm/±1 | 8W/cm² | 24V—240V/1700W |
| 14mm/±0.05 | 500mm/±1 | 12W/cm² | 24V—240V/2550W |
| 14mm/±0.05 | 500mm/±1 | 15W/cm² | 24V—240V/3200W |
| 14mm/±0.05 | 600mm/±1 | 8W/cm² | 24V—240V/2000W |
| 14mm/±0.05 | 600mm/±1 | 12W/cm² | 24V—240V/3000W |
| 14mm/±0.05 | 600mm/±1 | 15W/cm² | 24V—240V/3800W |

## Mold cartridge heater - Common specifications table

The non-heating area at the bottom is 3-5mm, the non-heating length at the cable outlet is 3-20mm, the power tol erance is +5%--10%,the diameter tolerance is +0.05, and the length tolerance is ±1.

Common voltages: 12V-24V-36V-48V-100V-110V-200V-220V-230V-240V-380V-480V (customization available upon request)

| Diameter (Diameter Tolerance) | Length (Length Tolerance) | Power per Square Meter (Tolerance +5%-10%) | Standard Voltage/Power (Customizable upon request) |
|---|---|---|---|
| 16mm/±0.05 | 20mm/±1 | 8W/cm² | 24V—240V/40W |
| 16mm/±0.05 | 20mm/±1 | 12W/cm² | 24V—240V/60W |
| 16mm/±0.05 | 20mm/±1 | 15W/cm² | 24V—240V/80W |
| 16mm/±0.05 | 25mm/±1 | 8W/cm² | 24V—240V/60W |
| 16mm/±0.05 | 25mm/±1 | 12W/cm² | 24V—240V/90W |
| 16mm/±0.05 | 25mm/±1 | 15W/cm² | 24V—240V/110W |
| 16mm/±0.05 | 30mm/±1 | 8W/cm² | 24V—240V/80W |
| 16mm/±0.05 | 30mm/±1 | 12W/cm² | 24V—240V/120W |
| 16mm/±0.05 | 30mm/±1 | 15W/cm² | 24V—240V/150W |
| 16mm/±0.05 | 35mm/±1 | 8W/cm² | 24V—240V/100W |
| 16mm/±0.05 | 35mm/±1 | 12W/cm² | 24V—240V/150W |
| 16mm/±0.05 | 35mm/±1 | 15W/cm² | 24V—240V/190W |
| 16mm/±0.05 | 40mm/±1 | 8W/cm² | 24V—240V/120W |
| 16mm/±0.05 | 40mm/±1 | 12W/cm² | 24V—240V/180W |
| 16mm/±0.05 | 40mm/±1 | 15W/cm² | 24V—240V/220W |
| 16mm/±0.05 | 45mm/±1 | 8W/cm² | 24V—240V/140W |
| 16mm/±0.05 | 45mm/±1 | 12W/cm² | 24V—240V/210W |
| 16mm/±0.05 | 45mm/±1 | 15W/cm² | 24V—240V/260W |
| 16mm/±0.05 | 50mm/±1 | 8W/cm² | 24V—240V/160W |
| 16mm/±0.05 | 50mm/±1 | 12W/cm² | 24V—240V/240W |
| 16mm/±0.05 | 50mm/±1 | 15W/cm² | 24V—240V/300W |
| 16mm/±0.05 | 60mm/±1 | 8W/cm² | 24V—240V/200W |
| 16mm/±0.05 | 60mm/±1 | 12W/cm² | 24V—240V/300W |
| 16mm/±0.05 | 60mm/±1 | 15W/cm² | 24V—240V/380W |
| 16mm/±0.05 | 70mm/±1 | 8W/cm² | 24V—240V/240W |
| 16mm/±0.05 | 70mm/±1 | 12W/cm² | 24V—240V/360W |
| 16mm/±0.05 | 70mm/±1 | 15W/cm² | 24V—240V/450W |
| 16mm/±0.05 | 80mm/±1 | 8W/cm² | 24V—240V/280W |
| 16mm/±0.05 | 80mm/±1 | 12W/cm² | 24V—240V/420W |
| 16mm/±0.05 | 80mm/±1 | 15W/cm² | 24V—240V/520W |
| 16mm/±0.05 | 90mm/±1 | 8W/cm² | 24V—240V/320W |
| 16mm/±0.05 | 90mm/±1 | 12W/cm² | 24V—240V/480W |
| 16mm/±0.05 | 90mm/±1 | 15W/cm² | 24V—240V/600W |
| 16mm/±0.05 | 100mm/±1 | 8W/cm² | 24V—240V/360W |
| 16mm/±0.05 | 100mm/±1 | 12W/cm² | 24V—240V/550W |
| 16mm/±0.05 | 100mm/±1 | 15W/cm² | 24V—240V/680W |

| Diameter (Diameter Tolerance) | Length (Length Tolerance) | Power per Square Meter (Tolerance +5%-10%) | Standard Voltage/Power (Customizable upon request) |
|---|---|---|---|
| 16mm/±0.05 | 120mm/±1 | 8W/cm² | 24V—240V/450W |
| 16mm/±0.05 | 120mm/±1 | 12W/cm² | 24V—240V/650W |
| 16mm/±0.05 | 120mm/±1 | 15W/cm² | 24V—240V/800W |
| 16mm/±0.05 | 150mm/±1 | 8W/cm² | 24V—240V/550W |
| 16mm/±0.05 | 150mm/±1 | 12W/cm² | 24V—240V/850W |
| 16mm/±0.05 | 150mm/±1 | 15W/cm² | 12V—240V/1000W |
| 16mm/±0.05 | 180mm/±1 | 8W/cm² | 24V—240V/680W |
| 16mm/±0.05 | 180mm/±1 | 12W/cm² | 24V—240V/1000W |
| 16mm/±0.05 | 180mm/±1 | 15W/cm² | 24V—240V/1300W |
| 16mm/±0.05 | 200mm/±1 | 8W/cm² | 24V—240V/750W |
| 16mm/±0.05 | 200mm/±1 | 12W/cm² | 24V—240V/1100W |
| 16mm/±0.05 | 200mm/±1 | 15W/cm² | 24V—240V/1400W |
| 16mm/±0.05 | 220mm/±1 | 8W/cm² | 24V—240V/850W |
| 16mm/±0.05 | 220mm/±1 | 12W/cm² | 24V—240V/1200W |
| 16mm/±0.05 | 220mm/±1 | 15W/cm² | 24V—240V/1500W |
| 16mm/±0.05 | 250mm/±1 | 8W/cm² | 24V—240V/950W |
| 16mm/±0.05 | 250mm/±1 | 12W/cm² | 24V—240V/1400W |
| 16mm/±0.05 | 250mm/±1 | 15W/cm² | 24V—240V/1800W |
| 16mm/±0.05 | 300mm/±1 | 8W/cm² | 24V—240V/1100W |
| 16mm/±0.05 | 300mm/±1 | 12W/cm² | 24V—240V/1700W |
| 16mm/±0.05 | 300mm/±1 | 15W/cm² | 24V—240V/2100W |
| 16mm/±0.05 | 350mm/±1 | 8W/cm² | 24V—240V/1300W |
| 16mm/±0.05 | 350mm/±1 | 12W/cm² | 24V—240V/2000W |
| 16mm/±0.05 | 350mm/±1 | 15W/cm² | 24V—240V/2500W |
| 16mm/±0.05 | 400mm/±1 | 8W/cm² | 24V—240V/1500W |
| 16mm/±0.05 | 400mm/±1 | 12W/cm² | 24V—240V/2300W |
| 16mm/±0.05 | 400mm/±1 | 15W/cm² | 24V—240V/3000W |
| 16mm/±0.05 | 450mm/±1 | 8W/cm² | 24V—240V/1700W |
| 16mm/±0.05 | 450mm/±1 | 12W/cm² | 24V—240V/2600W |
| 16mm/±0.05 | 450mm/±1 | 15W/cm² | 24V—240V/3300W |
| 16mm/±0.05 | 500mm/±1 | 8W/cm² | 24V—240V/2000W |
| 16mm/±0.05 | 500mm/±1 | 12W/cm² | 24V—240V/3000W |
| 16mm/±0.05 | 500mm/±1 | 15W/cm² | 24V—240V/3700W |
| 16mm/±0.05 | 600mm/±1 | 8W/cm² | 24V—240V/2300W |
| 16mm/±0.05 | 600mm/±1 | 12W/cm² | 24V—240V/3500W |
| 16mm/±0.05 | 600mm/±1 | 15W/cm² | 24V—240V/4400W |



## Mold cartridge heater - Common specifications table

The non-heating area at the bottom is 3-5mm, the non-heating length at the cable outlet is 3-20mm, the power tol erance is +5%--10%,the diameter tolerance is +0.05, and the length tolerance is ±1.

Common voltages: 12V-24V-36V-48V-100V-110V-200V-220V-230V-240V-380V-480V (customization available upon request)

| Diameter (Diameter Tolerance) | Length (Length Tolerance) | Power per Square Meter (Tolerance +5%-10%) | Standard Voltage/Power (Customizable upon request) |
|---|---|---|---|
| 18mm/±0.05 | 20mm/±1 | 8W/cm² | 24V—240V/45W |
| 18mm/±0.05 | 20mm/±1 | 12W/cm² | 24V—240V/70W |
| 18mm/±0.05 | 20mm/±1 | 15W/cm² | 24V—240V/85W |
| 18mm/±0.05 | 25mm/±1 | 8W/cm² | 24V—240V/70W |
| 18mm/±0.05 | 25mm/±1 | 12W/cm² | 24V—240V/100W |
| 18mm/±0.05 | 25mm/±1 | 15W/cm² | 24V—240V/130W |
| 18mm/±0.05 | 30mm/±1 | 8W/cm² | 24V—240V/90W |
| 18mm/±0.05 | 30mm/±1 | 12W/cm² | 24V—240V/130W |
| 18mm/±0.05 | 30mm/±1 | 15W/cm² | 24V—240V/170W |
| 18mm/±0.05 | 35mm/±1 | 8W/cm² | 24V—240V/110W |
| 18mm/±0.05 | 35mm/±1 | 12W/cm² | 24V—240V/170W |
| 18mm/±0.05 | 35mm/±1 | 15W/cm² | 24V—240V/210W |
| 18mm/±0.05 | 40mm/±1 | 8W/cm² | 24V—240V/130W |
| 18mm/±0.05 | 40mm/±1 | 12W/cm² | 24V—240V/200W |
| 18mm/±0.05 | 40mm/±1 | 15W/cm² | 24V—240V/250W |
| 18mm/±0.05 | 45mm/±1 | 8W/cm² | 24V—240V/160W |
| 18mm/±0.05 | 45mm/±1 | 12W/cm² | 24V—240V/240W |
| 18mm/±0.05 | 45mm/±1 | 15W/cm² | 24V—240V/300W |
| 18mm/±0.05 | 50mm/±1 | 8W/cm² | 24V—240V/180W |
| 18mm/±0.05 | 50mm/±1 | 12W/cm² | 24V—240V/170W |
| 18mm/±0.05 | 50mm/±1 | 15W/cm² | 24V—240V/340W |
| 18mm/±0.05 | 60mm/±1 | 8W/cm² | 24V—240V/230W |
| 18mm/±0.05 | 60mm/±1 | 12W/cm² | 24V—240V/340W |
| 18mm/±0.05 | 60mm/±1 | 15W/cm² | 24V—240V/420W |
| 18mm/±0.05 | 70mm/±1 | 8W/cm² | 24V—240V/270W |
| 18mm/±0.05 | 70mm/±1 | 12W/cm² | 24V—240V/400W |
| 18mm/±0.05 | 70mm/±1 | 15W/cm² | 24V—240V/500W |
| 18mm/±0.05 | 80mm/±1 | 8W/cm² | 24V—240V/310W |
| 18mm/±0.05 | 80mm/±1 | 12W/cm² | 24V—240V/480W |
| 18mm/±0.05 | 80mm/±1 | 15W/cm² | 24V—240V/600W |
| 18mm/±0.05 | 90mm/±1 | 8W/cm² | 24V—240V/360W |
| 18mm/±0.05 | 90mm/±1 | 12W/cm² | 24V—240V/540W |
| 18mm/±0.05 | 90mm/±1 | 15W/cm² | 24V—240V/680W |
| 18mm/±0.05 | 100mm/±1 | 8W/cm² | 24V—240V/400W |
| 18mm/±0.05 | 100mm/±1 | 12W/cm² | 24V—240V/600W |
| 18mm/±0.05 | 100mm/±1 | 15W/cm² | 24V—240V/750W |

| Diameter (Diameter Tolerance) | Length (Length Tolerance) | Power per Square Meter (Tolerance +5%-10%) | Standard Voltage/Power (Customizable upon request) |
|---|---|---|---|
| 18mm/±0.05 | 120mm/±1 | 8W/cm² | 24V—240V/500W |
| 18mm/±0.05 | 120mm/±1 | 12W/cm² | 24V—240V/750W |
| 18mm/±0.05 | 120mm/±1 | 15W/cm² | 24V—240V/950W |
| 18mm/±0.05 | 150mm/±1 | 8W/cm² | 24V—240V/600W |
| 18mm/±0.05 | 150mm/±1 | 12W/cm² | 24V—240V/950W |
| 18mm/±0.05 | 150mm/±1 | 15W/cm² | 12V—240V/1100W |
| 18mm/±0.05 | 180mm/±1 | 8W/cm² | 24V—240V/750W |
| 18mm/±0.05 | 180mm/±1 | 12W/cm² | 24V—240V/1100W |
| 18mm/±0.05 | 180mm/±1 | 15W/cm² | 24V—240V/1400W |
| 18mm/±0.05 | 200mm/±1 | 8W/cm² | 24V—240V/850W |
| 18mm/±0.05 | 200mm/±1 | 12W/cm² | 24V—240V/1300W |
| 18mm/±0.05 | 200mm/±1 | 15W/cm² | 24V—240V/1600W |
| 18mm/±0.05 | 220mm/±1 | 8W/cm² | 24V—240V/950W |
| 18mm/±0.05 | 220mm/±1 | 12W/cm² | 24V—240V/1400W |
| 18mm/±0.05 | 220mm/±1 | 15W/cm² | 24V—240V/1700W |
| 18mm/±0.05 | 250mm/±1 | 8W/cm² | 24V—240V/1000W |
| 18mm/±0.05 | 250mm/±1 | 12W/cm² | 24V—240V/1600W |
| 18mm/±0.05 | 250mm/±1 | 15W/cm² | 24V—240V/2000W |
| 18mm/±0.05 | 300mm/±1 | 8W/cm² | 24V—240V/1400W |
| 18mm/±0.05 | 300mm/±1 | 12W/cm² | 24V—240V/1500W |
| 18mm/±0.05 | 300mm/±1 | 15W/cm² | 24V—240V/2200W |
| 18mm/±0.05 | 350mm/±1 | 8W/cm² | 24V—240V/2700W |
| 18mm/±0.05 | 350mm/±1 | 12W/cm² | 24V—240V/2500W |
| 18mm/±0.05 | 350mm/±1 | 15W/cm² | 24V—240V/3200W |
| 18mm/±0.05 | 400mm/±1 | 8W/cm² | 24V—240V/1700W |
| 18mm/±0.05 | 400mm/±1 | 12W/cm² | 24V—240V/2500W |
| 18mm/±0.05 | 400mm/±1 | 15W/cm² | 24V—240V/3200W |
| 18mm/±0.05 | 450mm/±1 | 8W/cm² | 24V—240V/2000W |
| 18mm/±0.05 | 450mm/±1 | 12W/cm² | 24V—240V/3000W |
| 20mm/±0.05 | 450mm/±1 | 15W/cm² | 24V—240V/3600W |
| 18mm/±0.05 | 500mm/±1 | 8W/cm² | 24V—240V/2100W |
| 18mm/±0.05 | 500mm/±1 | 12W/cm² | 24V—240V/3200W |
| 18mm/±0.05 | 500mm/±1 | 15W/cm² | 24V—240V/4000W |
| 18mm/±0.05 | 600mm/±1 | 8W/cm² | 24V—240V/2600W |
| 18mm/±0.05 | 600mm/±1 | 12W/cm² | 24V—240V/4000W |
| 18mm/±0.05 | 600mm/±1 | 15W/cm² | 24V—240V/5000W |

## Mold cartridge heater - Common specifications table

The non-heating area at the bottom is 3-5mm, the non-heating length at the cable outlet is 3-20mm, the power tol erance is +5%--10%,the diameter tolerance is +0.05, and the length tolerance is ±1.

Common voltages: 12V-24V-36V-48V-100V-110V-200V-220V-230V-240V-380V-480V (customization available upon request)

| Diameter (Diameter Tolerance) | Length (Length Tolerance) | Power per Square Meter (Tolerance +5%-10%) | Standard Voltage/Power (Customizable upon request) |
|---|---|---|---|
| 20mm/±0.05 | 20mm/±1 | 8W/cm² | 24V—240V/50W |
| 20mm/±0.05 | 20mm/±1 | 12W/cm² | 24V—240V/80W |
| 20mm/±0.05 | 20mm/±1 | 15W/cm² | 24V—240V/100W |
| 20mm/±0.05 | 25mm/±1 | 8W/cm² | 24V—240V/80W |
| 20mm/±0.05 | 25mm/±1 | 12W/cm² | 24V—240V/110W |
| 20mm/±0.05 | 25mm/±1 | 15W/cm² | 24V—240V/140W |
| 20mm/±0.05 | 30mm/±1 | 8W/cm² | 24V—240V/100W |
| 20mm/±0.05 | 30mm/±1 | 12W/cm² | 24V—240V/150W |
| 20mm/±0.05 | 30mm/±1 | 15W/cm² | 24V—240V/190W |
| 20mm/±0.05 | 35mm/±1 | 8W/cm² | 24V—240V/120W |
| 20mm/±0.05 | 35mm/±1 | 12W/cm² | 24V—240V/190W |
| 20mm/±0.05 | 35mm/±1 | 15W/cm² | 24V—240V/240W |
| 20mm/±0.05 | 40mm/±1 | 8W/cm² | 24V—240V/150W |
| 20mm/±0.05 | 40mm/±1 | 12W/cm² | 24V—240V/220W |
| 20mm/±0.05 | 40mm/±1 | 15W/cm² | 24V—240V/280W |
| 20mm/±0.05 | 45mm/±1 | 8W/cm² | 24V—240V/180W |
| 20mm/±0.05 | 45mm/±1 | 12W/cm² | 24V—240V/260W |
| 20mm/±0.05 | 45mm/±1 | 15W/cm² | 24V—240V/330W |
| 20mm/±0.05 | 50mm/±1 | 8W/cm² | 24V—240V/200W |
| 20mm/±0.05 | 50mm/±1 | 12W/cm² | 24V—240V/300W |
| 20mm/±0.05 | 50mm/±1 | 15W/cm² | 24V—240V/380W |
| 20mm/±0.05 | 60mm/±1 | 8W/cm² | 24V—240V/250W |
| 20mm/±0.05 | 60mm/±1 | 12W/cm² | 24V—240V/380W |
| 20mm/±0.05 | 60mm/±1 | 15W/cm² | 24V—240V/480W |
| 20mm/±0.05 | 70mm/±1 | 8W/cm² | 24V—240V/310W |
| 20mm/±0.05 | 70mm/±1 | 12W/cm² | 24V—240V/450W |
| 20mm/±0.05 | 70mm/±1 | 15W/cm² | 24V—240V/550W |
| 20mm/±0.05 | 80mm/±1 | 8W/cm² | 24V—240V/350W |
| 20mm/±0.05 | 80mm/±1 | 12W/cm² | 24V—240V/530W |
| 20mm/±0.05 | 80mm/±1 | 15W/cm² | 24V—240V/650W |
| 20mm/±0.05 | 90mm/±1 | 8W/cm² | 24V—240V/400W |
| 20mm/±0.05 | 90mm/±1 | 12W/cm² | 24V—240V/600W |
| 20mm/±0.05 | 90mm/±1 | 15W/cm² | 24V—240V/750W |
| 20mm/±0.05 | 100mm/±1 | 8W/cm² | 24V—240V/450W |
| 20mm/±0.05 | 100mm/±1 | 12W/cm² | 24V—240V/680W |
| 20mm/±0.05 | 100mm/±1 | 15W/cm² | 24V—240V/850W |

| Diameter (Diameter Tolerance) | Length (Length Tolerance) | Power per Square Meter (Tolerance +5%-10%) | Standard Voltage/Power (Customizable upon request) |
|---|---|---|---|
| 20mm/±0.05 | 120mm/±1 | 8W/cm² | 24V—240V/550W |
| 20mm/±0.05 | 120mm/±1 | 12W/cm² | 24V—240V/830W |
| 20mm/±0.05 | 120mm/±1 | 15W/cm² | 24V—240V/1000W |
| 20mm/±0.05 | 150mm/±1 | 8W/cm² | 24V—240V/700W |
| 20mm/±0.05 | 150mm/±1 | 12W/cm² | 24V—240V/1000W |
| 20mm/±0.05 | 150mm/±1 | 15W/cm² | 12V—240V/1300W |
| 20mm/±0.05 | 180mm/±1 | 8W/cm² | 24V—240V/850W |
| 20mm/±0.05 | 180mm/±1 | 12W/cm² | 24V—240V/1300W |
| 20mm/±0.05 | 180mm/±1 | 15W/cm² | 24V—240V/1600W |
| 20mm/±0.05 | 200mm/±1 | 8W/cm² | 24V—240V/950W |
| 20mm/±0.05 | 200mm/±1 | 12W/cm² | 24V—240V/1400W |
| 20mm/±0.05 | 200mm/±1 | 15W/cm² | 24V—240V/1800W |
| 20mm/±0.05 | 220mm/±1 | 8W/cm² | 24V—240V/1000W |
| 20mm/±0.05 | 220mm/±1 | 12W/cm² | 24V—240V/1600W |
| 20mm/±0.05 | 220mm/±1 | 15W/cm² | 24V—240V/2000W |
| 20mm/±0.05 | 250mm/±1 | 8W/cm² | 24V—240V/1200W |
| 20mm/±0.05 | 250mm/±1 | 12W/cm² | 24V—240V/1800W |
| 20mm/±0.05 | 250mm/±1 | 15W/cm² | 24V—240V/2200W |
| 20mm/±0.05 | 300mm/±1 | 8W/cm² | 24V—240V/1400W |
| 20mm/±0.05 | 300mm/±1 | 12W/cm² | 24V—240V/2100W |
| 20mm/±0.05 | 300mm/±1 | 15W/cm² | 24V—240V/2700W |
| 20mm/±0.05 | 350mm/±1 | 8W/cm² | 24V—240V/1700W |
| 20mm/±0.05 | 350mm/±1 | 12W/cm² | 24V—240V/2500W |
| 20mm/±0.05 | 350mm/±1 | 15W/cm² | 24V—240V/3200W |
| 20mm/±0.05 | 400mm/±1 | 8W/cm² | 24V—240V/2000W |
| 20mm/±0.05 | 400mm/±1 | 12W/cm² | 24V—240V/3000W |
| 20mm/±0.05 | 400mm/±1 | 15W/cm² | 24V—240V/3600W |
| 20mm/±0.05 | 450mm/±1 | 8W/cm² | 24V—240V/2200W |
| 20mm/±0.05 | 450mm/±1 | 12W/cm² | 24V—240V/3300W |
| 20mm/±0.05 | 450mm/±1 | 15W/cm² | 24V—240V/4100W |
| 20mm/±0.05 | 500mm/±1 | 8W/cm² | 24V—240V/2400W |
| 20mm/±0.05 | 500mm/±1 | 12W/cm² | 24V—240V/3600W |
| 20mm/±0.05 | 500mm/±1 | 15W/cm² | 24V—240V/4600W |
| 20mm/±0.05 | 600mm/±1 | 8W/cm² | 24V—240V/3000W |
| 20mm/±0.05 | 600mm/±1 | 12W/cm² | 24V—240V/4500W |
| 20mm/±0.05 | 600mm/±1 | 15W/cm² | 24V—240V/5500W |



## Mold cartridge heater - Common specifications table

The non-heating area at the bottom is 3-5mm, the non-heating length at the cable outlet is 3-20mm, the power tol erance is +5%--10%,the diameter tolerance is +0.05, and the length tolerance is ±1.

Common voltages: 12V-24V-36V-48V-100V-110V-200V-220V-230V-240V-380V-480V (customization available upon request)

| Diameter (Diameter Tolerance) | Length (Length Tolerance) | Power per Square Meter (Tolerance +5%-10%) | Standard Voltage/Power (Customizable upon request) |
|---|---|---|---|
| 22mm/±0.05 | 20mm/±1 | 8W/cm² | 24V—240V/55W |
| 22mm/±0.05 | 20mm/±1 | 12W/cm² | 24V—240V/80W |
| 22mm/±0.05 | 20mm/±1 | 15W/cm² | 24V—240V/100W |
| 22mm/±0.05 | 25mm/±1 | 8W/cm² | 24V—240V/80W |
| 22mm/±0.05 | 25mm/±1 | 12W/cm² | 24V—240V/120W |
| 22mm/±0.05 | 25mm/±1 | 15W/cm² | 24V—240V/150W |
| 22mm/±0.05 | 30mm/±1 | 8W/cm² | 24V—240V/110W |
| 22mm/±0.05 | 30mm/±1 | 12W/cm² | 24V—240V/160W |
| 22mm/±0.05 | 30mm/±1 | 15W/cm² | 24V—240V/200W |
| 22mm/±0.05 | 35mm/±1 | 8W/cm² | 24V—240V/140W |
| 22mm/±0.05 | 35mm/±1 | 12W/cm² | 24V—240V/200W |
| 22mm/±0.05 | 35mm/±1 | 15W/cm² | 24V—240V/260W |
| 22mm/±0.05 | 40mm/±1 | 8W/cm² | 24V—240V/160W |
| 22mm/±0.05 | 40mm/±1 | 12W/cm² | 24V—240V/250W |
| 22mm/±0.05 | 40mm/±1 | 15W/cm² | 24V—240V/310W |
| 22mm/±0.05 | 45mm/±1 | 8W/cm² | 24V—240V/190W |
| 22mm/±0.05 | 45mm/±1 | 12W/cm² | 24V—240V/290W |
| 22mm/±0.05 | 45mm/±1 | 15W/cm² | 24V—240V/360W |
| 22mm/±0.05 | 50mm/±1 | 8W/cm² | 24V—240V/220W |
| 22mm/±0.05 | 50mm/±1 | 12W/cm² | 24V—240V/330W |
| 22mm/±0.05 | 50mm/±1 | 15W/cm² | 24V—240V/410W |
| 22mm/±0.05 | 60mm/±1 | 8W/cm² | 24V—240V/270W |
| 22mm/±0.05 | 60mm/±1 | 12W/cm² | 24V—240V/420W |
| 22mm/±0.05 | 60mm/±1 | 15W/cm² | 24V—240V/520W |
| 22mm/±0.05 | 70mm/±1 | 8W/cm² | 24V—240V/330W |
| 22mm/±0.05 | 70mm/±1 | 12W/cm² | 24V—240V/500W |
| 22mm/±0.05 | 70mm/±1 | 15W/cm² | 24V—240V/620W |
| 22mm/±0.05 | 80mm/±1 | 8W/cm² | 24V—240V/380W |
| 22mm/±0.05 | 80mm/±1 | 12W/cm² | 24V—240V/580W |
| 22mm/±0.05 | 80mm/±1 | 15W/cm² | 24V—240V/720W |
| 22mm/±0.05 | 90mm/±1 | 8W/cm² | 24V—240V/440W |
| 22mm/±0.05 | 90mm/±1 | 12W/cm² | 24V—240V/660W |
| 22mm/±0.05 | 90mm/±1 | 15W/cm² | 24V—240V/820W |
| 22mm/±0.05 | 100mm/±1 | 8W/cm² | 24V—240V/500W |
| 22mm/±0.05 | 100mm/±1 | 12W/cm² | 24V—240V/750W |
| 22mm/±0.05 | 100mm/±1 | 15W/cm² | 24V—240V/900W |

| Diameter (Diameter Tolerance) | Length (Length Tolerance) | Power per Square Meter (Tolerance +5%-10%) | Standard Voltage/Power (Customizable upon request) |
|---|---|---|---|
| 22mm/±0.05 | 120mm/±1 | 8W/cm² | 24V—240V/600W |
| 22mm/±0.05 | 120mm/±1 | 12W/cm² | 24V—240V/900W |
| 22mm/±0.05 | 120mm/±1 | 15W/cm² | 24V—240V/1100W |
| 22mm/±0.05 | 150mm/±1 | 8W/cm² | 24V—240V/750W |
| 22mm/±0.05 | 150mm/±1 | 12W/cm² | 24V—240V/1100W |
| 22mm/±0.05 | 150mm/±1 | 15W/cm² | 12V—240V/1400W |
| 22mm/±0.05 | 180mm/±1 | 8W/cm² | 24V—240V/900W |
| 22mm/±0.05 | 180mm/±1 | 12W/cm² | 24V—240V/1400W |
| 22mm/±0.05 | 180mm/±1 | 15W/cm² | 24V—240V/1700W |
| 22mm/±0.05 | 200mm/±1 | 8W/cm² | 24V—240V/1000W |
| 22mm/±0.05 | 200mm/±1 | 12W/cm² | 24V—240V/1500W |
| 22mm/±0.05 | 200mm/±1 | 15W/cm² | 24V—240V/1900W |
| 22mm/±0.05 | 220mm/±1 | 8W/cm² | 24V—240V/1100W |
| 22mm/±0.05 | 220mm/±1 | 12W/cm² | 24V—240V/1700W |
| 22mm/±0.05 | 220mm/±1 | 15W/cm² | 24V—240V/2100W |
| 22mm/±0.05 | 250mm/±1 | 8W/cm² | 24V—240V/1300W |
| 22mm/±0.05 | 250mm/±1 | 12W/cm² | 24V—240V/1900W |
| 22mm/±0.05 | 250mm/±1 | 15W/cm² | 24V—240V/2400W |
| 22mm/±0.05 | 300mm/±1 | 8W/cm² | 24V—240V/1500W |
| 22mm/±0.05 | 300mm/±1 | 12W/cm² | 24V—240V/2300W |
| 22mm/±0.05 | 300mm/±1 | 15W/cm² | 24V—240V/2900W |
| 22mm/±0.05 | 350mm/±1 | 8W/cm² | 24V—240V/1800W |
| 22mm/±0.05 | 350mm/±1 | 12W/cm² | 24V—240V/2700W |
| 22mm/±0.05 | 350mm/±1 | 15W/cm² | 24V—240V/3400W |
| 22mm/±0.05 | 400mm/±1 | 8W/cm² | 24V—240V/2100W |
| 22mm/±0.05 | 400mm/±1 | 12W/cm² | 24V—240V/3100W |
| 22mm/±0.05 | 400mm/±1 | 15W/cm² | 24V—240V/4000W |
| 22mm/±0.05 | 450mm/±1 | 8W/cm² | 24V—240V/2300W |
| 22mm/±0.05 | 450mm/±1 | 12W/cm² | 24V—240V/3500W |
| 22mm/±0.05 | 450mm/±1 | 15W/cm² | 24V—240V/4500W |
| 22mm/±0.05 | 500mm/±1 | 8W/cm² | 24V—240V/2600W |
| 22mm/±0.05 | 500mm/±1 | 12W/cm² | 24V—240V/4000W |
| 22mm/±0.05 | 500mm/±1 | 15W/cm² | 24V—240V/5000W |
| 22mm/±0.05 | 600mm/±1 | 8W/cm² | 24V—240V/3200W |
| 22mm/±0.05 | 600mm/±1 | 12W/cm² | 24V—240V/4800W |
| 22mm/±0.05 | 600mm/±1 | 15W/cm² | 24V—240V/6000W |

## Extra Large Ink Cartridge Heater - Common Specifications Table

The non-heating area at the bottom is 3-5mm, the non-heating length at the cable outlet is 3-20mm, the power tol erance is +5%--10%,the diameter tolerance is +0.05, and the length tolerance is ±1.

Common voltages: 12V-24V-36V-48V-100V-110V-200V-220V-230V-240V-380V-480V (customization available upon request)

| Diameter (Diameter Tolerance) | Length (Length Tolerance) | Power per Square Meter (Tolerance +5%-10%) | Standard Voltage/Power (Customizable upon request) |
|---|---|---|---|
| 25mm/±0.05 | 100mm/±1 | 8W/cm² | 220V—380V/500W |
| 25mm/±0.05 | 100mm/±1 | 12W/cm² | 220V—380V/800W |
| 25mm/±0.05 | 100mm/±1 | 15W/cm² | 220V—380V/1000W |
| 25mm/±0.05 | 150mm/±1 | 8W/cm² | 220V—380V/850W |
| 25mm/±0.05 | 150mm/±1 | 12W/cm² | 220V—380V/1300W |
| 25mm/±0.05 | 150mm/±1 | 15W/cm² | 220V—380V/1600W |
| 25mm/±0.05 | 200mm/±1 | 8W/cm² | 220V—380V/1100W |
| 25mm/±0.05 | 200mm/±1 | 12W/cm² | 220V—380V/1700W |
| 25mm/±0.05 | 200mm/±1 | 15W/cm² | 220V—380V/2200W |
| 25mm/±0.05 | 250mm/±1 | 8W/cm² | 220V—380V/1500W |
| 25mm/±0.05 | 250mm/±1 | 12W/cm² | 220V—380V/2200W |
| 25mm/±0.05 | 250mm/±1 | 15W/cm² | 220V—380V/2800W |
| 25mm/±0.05 | 300mm/±1 | 8W/cm² | 220V—380V/1800W |
| 25mm/±0.05 | 300mm/±1 | 12W/cm² | 220V—380V/2700W |
| 25mm/±0.05 | 300mm/±1 | 15W/cm² | 220V—380V/3400W |
| 25mm/±0.05 | 500mm/±1 | 8W/cm² | 220V—380V/3000W |
| 25mm/±0.05 | 500mm/±1 | 12W/cm² | 220V—380V/4500W |
| 25mm/±0.05 | 500mm/±1 | 15W/cm² | 220V—380V/5600W |
| 28mm/±0.05 | 100mm/±1 | 8W/cm² | 220V—380V/600W |
| 28mm/±0.05 | 100mm/±1 | 12W/cm² | 220V—380V/950W |
| 28mm/±0.05 | 100mm/±1 | 15W/cm² | 220V—380V/1100W |
| 28mm/±0.05 | 150mm/±1 | 8W/cm² | 220V—380V/900W |
| 28mm/±0.05 | 150mm/±1 | 12W/cm² | 220V—380V/1400W |
| 28mm/±0.05 | 150mm/±1 | 15W/cm² | 220V—380V/1800W |
| 28mm/±0.05 | 200mm/±1 | 8W/cm² | 220V—380V/1300W |
| 28mm/±0.05 | 200mm/±1 | 12W/cm² | 220V—380V/2000W |
| 28mm/±0.05 | 200mm/±1 | 15W/cm² | 220V—380V/2500W |
| 28mm/±0.05 | 300mm/±1 | 8W/cm² | 220V—380V/2000W |
| 28mm/±0.05 | 300mm/±1 | 12W/cm² | 220V—380V/3000W |
| 28mm/±0.05 | 300mm/±1 | 15W/cm² | 220V—380V/3800W |
| 28mm/±0.05 | 400mm/±1 | 8W/cm² | 220V—380V/2600W |
| 28mm/±0.05 | 400mm/±1 | 12W/cm² | 220V—380V/4000W |
| 28mm/±0.05 | 400mm/±1 | 15W/cm² | 220V—380V/5000W |
| 28mm/±0.05 | 500mm/±1 | 8W/cm² | 220V—380V/3300W |
| 28mm/±0.05 | 500mm/±1 | 12W/cm² | 220V—380V/5000W |
| 28mm/±0.05 | 500mm/±1 | 15W/cm² | 220V—380V/6000W |

| Diameter (Diameter Tolerance) | Length (Length Tolerance) | Power per Square Meter (Tolerance +5%-10%) | Standard Voltage/Power (Customizable upon request) |
|---|---|---|---|
| 30mm/±0.05 | 100mm/±1 | 8W/cm² | 220V—380V/650W |
| 30mm/±0.05 | 100mm/±1 | 12W/cm² | 220V—380V/1000W |
| 30mm/±0.05 | 100mm/±1 | 15W/cm² | 220V—380V/1200W |
| 30mm/±0.05 | 150mm/±1 | 8W/cm² | 220V—380V/1000W |
| 30mm/±0.05 | 150mm/±1 | 12W/cm² | 220V—380V/1500W |
| 30mm/±0.05 | 150mm/±1 | 15W/cm² | 220V—380V/1900W |
| 30mm/±0.05 | 200mm/±1 | 8W/cm² | 220V—380V/1400W |
| 30mm/±0.05 | 200mm/±1 | 12W/cm² | 220V—380V/2100W |
| 30mm/±0.05 | 200mm/±1 | 15W/cm² | 220V—380V/2600W |
| 30mm/±0.05 | 250mm/±1 | 8W/cm² | 220V—380V/1800W |
| 30mm/±0.05 | 250mm/±1 | 12W/cm² | 220V—380V/2700W |
| 30mm/±0.05 | 250mm/±1 | 15W/cm² | 220V—380V/3300W |
| 30mm/±0.05 | 300mm/±1 | 8W/cm² | 220V—380V/2100W |
| 30mm/±0.05 | 300mm/±1 | 12W/cm² | 220V—380V/3200W |
| 30mm/±0.05 | 300mm/±1 | 15W/cm² | 220V—380V/4000W |
| 30mm/±0.05 | 500mm/±1 | 8W/cm² | 220V—380V/3600W |
| 30mm/±0.05 | 500mm/±1 | 12W/cm² | 220V—380V/5400W |
| 30mm/±0.05 | 500mm/±1 | 15W/cm² | 220V—380V/6700W |
| 32mm/±0.05 | 100mm/±1 | 8W/cm² | 220V—380V/700W |
| 32mm/±0.05 | 100mm/±1 | 12W/cm² | 220V—380V/1000W |
| 32mm/±0.05 | 100mm/±1 | 15W/cm² | 220V—380V/1300W |
| 32mm/±0.05 | 150mm/±1 | 8W/cm² | 220V—380V/1100W |
| 32mm/±0.05 | 150mm/±1 | 12W/cm² | 220V—380V/1600W |
| 32mm/±0.05 | 150mm/±1 | 15W/cm² | 220V—380V/2100W |
| 32mm/±0.05 | 200mm/±1 | 8W/cm² | 220V—380V/1500W |
| 32mm/±0.05 | 200mm/±1 | 12W/cm² | 220V—380V/2200W |
| 32mm/±0.05 | 200mm/±1 | 15W/cm² | 220V—380V/2800W |
| 32mm/±0.05 | 300mm/±1 | 8W/cm² | 220V—380V/2300W |
| 32mm/±0.05 | 300mm/±1 | 12W/cm² | 220V—380V/3400W |
| 32mm/±0.05 | 300mm/±1 | 15W/cm² | 220V—380V/4200W |
| 32mm/±0.05 | 400mm/±1 | 8W/cm² | 220V—380V/3000W |
| 32mm/±0.05 | 400mm/±1 | 12W/cm² | 220V—380V/4500W |
| 32mm/±0.05 | 400mm/±1 | 15W/cm² | 220V—380V/5700W |
| 32mm/±0.05 | 500mm/±1 | 8W/cm² | 220V—380V/3800W |
| 32mm/±0.05 | 500mm/±1 | 12W/cm² | 220V—380V/5700W |
| 32mm/±0.05 | 500mm/±1 | 15W/cm² | 220V—380V/7000W |



## Product Details:

ELEKHEAT provides high-quality, reliable single-ended heating elements. Our designs, laboratory validation, and full collaboration with customers to customize heating elements and assemblies meet specific client requirements.

ELEKHEAT utilizes nickel-chromium alloy resistance wire with low, medium, high, and ultra-high power densities.

ELEKHEAT cartridge heaters maximize heat transfer efficiency, deliver consistent heating, and provide precise power and temperature heating for miniature objects.

ELEKHEAT cartridge heaters offer exceptional flexibility. Their construction—a stainless steel tube sealed at one end with wiring exiting the other—facilitates easy installation and electrical connections. They operate in air or liquid media and can make direct metal contact through a standard bore.

Standard lead-out, internal lead-out, L-shaped side lead-out, metal sheathed, threaded, with mounting flange

Customization is available for various specifications, high-difficulty, and high-precision cartridge heaters. ELEKHEAT cartridge heaters comply with CE standards and ISO 9001 quality certification. Application limits are as follows:
Maximum temperature: 950°C
Maximum voltage: 600V
Maximum power density: 35 W/cm²

| Product Advantages | |
|---|---|
| 1、 | ELEKHEAT electric heating utilizes premium materials and masterful craftsmanship to meticulously create high-quality heating products: |
| 2、 | Cartridge heaters feature simple, cost-effective installation with plug-and-play functionality. |
| 3、 | Small size, big impact! (Compact dimensions deliver high power output) With a minimum diameter of 2.5mm, ELEKHEAT cartridge heaters currently achieve up to 35W per square centimeter. |
| 4、 | Cartridge heaters enable faster maintenance and replacement. |
| 5、 | Strictly controlled heating element diameter and length ensure precise power ratings, high accuracy, rapid heat transfer efficiency, and elegant appearance. |
| 6、 | Optimized thermal balance with customizable power for uniform heating zone temperatures. |
| 7、 | ELEKHEAT holds CE, ISO 9001, electric heating patents, and ROHS certifications. |
| 8、 | ELEKHEAT Electric Heating enjoys consistent industry recognition for quality and reputation, possessing multiple industry-standard certifications. |

| Design Details | |
|---|---|
| We require the following information: | |
| 1、 | Heating element diameter, length (or mounting hole size), rated voltage, rated power, power range |
| 2、 | Effective heating length of the heating element |
| 3、 | Heating medium and operating temperature |
| 4、 | Daily operating hours of the heating element |
| 5、 | Mounting method and sheathing type |
| 6、 | Lead wire length and operating temperature tolerance |

Note: Please provide as much detailed product requirement and usage information as possible. Linzhi Electric Heating will design and manufacture products that best meet your needs!

## Design Details

### Lead wire length and operating temperature tolerance

The heating zone of single-ended heating tubes can be customized as needed, such as creating segmented heating configurations or enabling independent control of heating zones within the same tube.

### Customization of Non-Heating Segments

Standard default cold ends are 5mm at both ends. The length and position of non-heating zones can be customized to achieve optimal heating performance.

Non-heating zones can be positioned at both ends, the center, or specified locations.
Heating zones can be customized as needed, such as two-section heating or three-section heating configurations.

### Custom Power Distribution for Single-Ended Tubes

Since the temperatures at both ends of a single-ended heating tube's heating zone are typically lower than the center section, this requires improvement in certain applications (e.g., rubber molds, precision molds, hot-cutting equipment). To address uneven heat distribution, single-ended heating tubes can be customized with power ratings at both ends exceeding the center section by 35%/30%/35% (three-section heating) or 25%/20%/10%/20%/25% (five-section heating)—common power distribution configurations

### Single-ended tube lead sealing and moisture resistance

To enhance sealing and moisture resistance, epoxy resin, silicone rubber, ceramic adhesive, high-temperature cement, or Teflon can be used as sealing materials at the lead end, with maximum heat resistance up to 1100°C. Teflon leads are also available for harsh environments

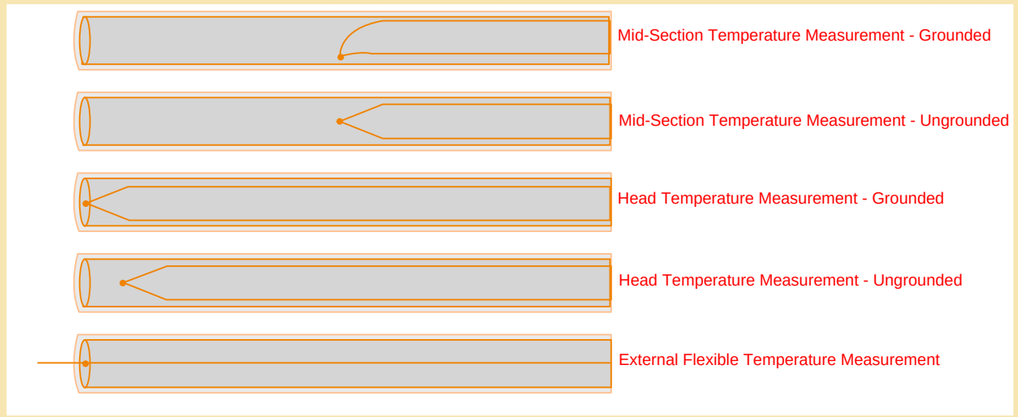
### Built-in Thermocouple

Thermocouples (Type “ R” or “ K” ) can be integrated into the center or base of tubular heaters (single-ended heating tubes), with optional grounded or ungrounded configurations

### High-Temperature Sealing Materials for Single-Ended Tubes

For single-ended heating tubes operating at extremely high temperatures, 95% high-frequency ceramic sealing is recommended, sealed with high-temperature ceramic adhesive or high-temperature cement. Maximum heat resistance reaches 1100°C. Lead wires may use high-temperature pure nickel wire or nickel-manganese wire with ferrite beads.

### Built-in K-Type Thermocouple/Temperature Sensor Wire - Customizable






# Product Application Areas

Industrial Molds

Mechanical Equipment

Packaging Machinery

3D Printers

3D Curved Glass Bending Machines

Barbecue Grills

Bio-pellet Ignition Sticks

Rubber and Plastic Machinery

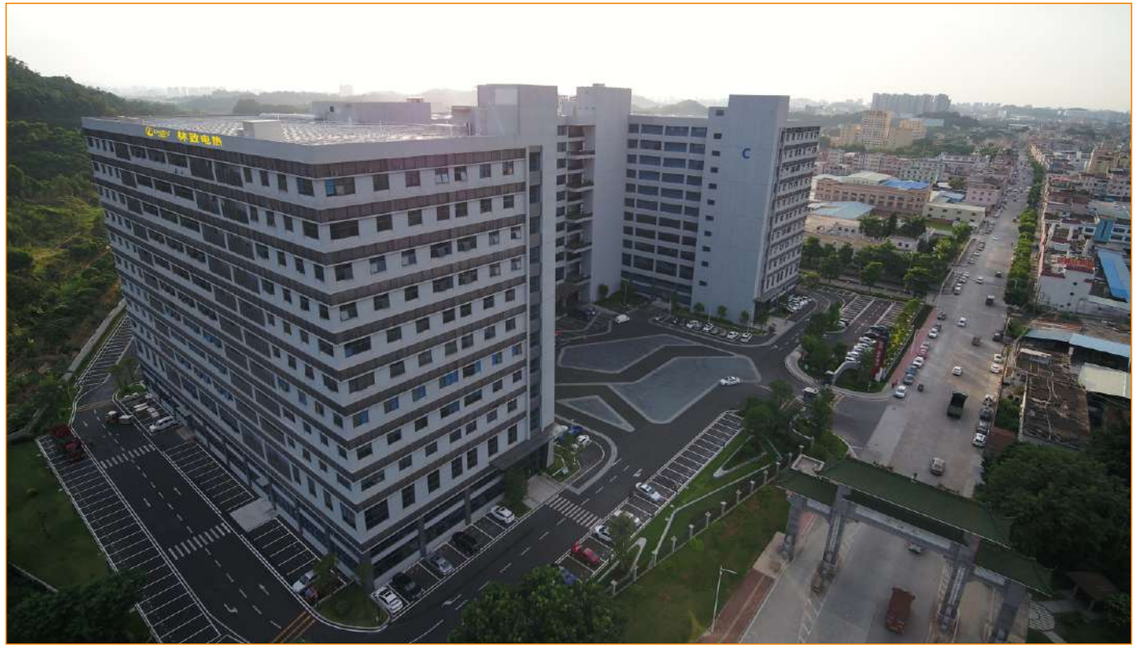
Hot Melt Glue Machines

Aviation

Vehicles

Medical Devices

ELEKHEAT





## Professional Rigorous Testing Partnering with Customers for Growth

ELEKHEAT advances alongside its customers,establishing a comprehensive manufacturing system renowned in the industry for service, technical consulting, and product realization. Reliable materials, advanced equipment, standardized production processes, and stringent testing deliver comprehensive and thoughtful heating product solutions.