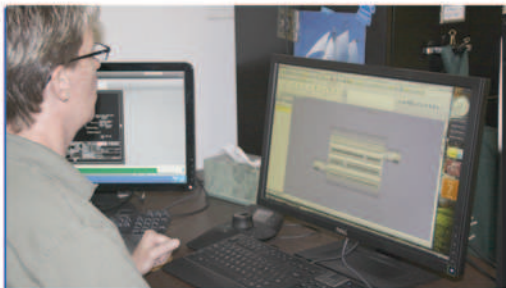




[www.nextthermal.com](http://www.nextthermal.com)



## who is Nexthermal?



Nexthermal is a new name for a company that has focused its passion and energy to the creation of electric heating elements, systems and engineering services since 1986. Nexthermal solves heating application challenges and creates dramatic process capability improvements for our customers.

Our customers' requirements, product development plans and competitive position in the marketplace drive our smart heat management innovation. Ingenuity, collaboration and a sense of urgency converts concepts to products and capabilities.

*If heat is vital to your process...  
add **Nexthermal** to your team!*

As you engage **Nexthermal** our goal is that you conclude we are:

- **Approachable** — Sincerely committed to help you.
- **Dynamic** — Responding with a sense of urgency.
- **Knowledgeable** — Your heat management expert.
- **International** — United States roots with a global reach.


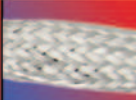








# Standard Cartridge Heater Configuration Chart

Diameter	Diameter Tolerances		Maximum Heater Length	Construction		Thermo-couple		Sheath Material		Stainless NPT Size
	Standard Swage to Size Tolerance	Premium Centerless Grind Tolerance		High Watt Density	Medium Watt Density	J	K	SS321	Incoloy 800	
.125"	●	.1240-.1201"	4.0"	●	●	●	●	●	●	Teflon Plug & Leads Only
.250"	●	.248-.244"	60.0"	●	●	●	●	●	●	.125"
.3125"	●	.3105-.3066"	70.0"	●	●	●	●	●	●	.125"
.375"	●	.373-.369"	80.0"	●	●	●	●	●	●	.250"
.500"	●	.498-.494"	100.0"	●	●	●	●	●	●	.375"
.625"	●	.623-.619"	100.0"	●	●	●	●	●	●	.500"
.6785"	●	.6866-.6850"	100.0"	●	●	●	●	●	●	.500"
.750"	●	.748-.744"	100.0"	●	●	●	●	●	●	.750"
1.0"	●	.9984-.9969"	100.0"	●	●	●	●	●	●	1.00"
6.2mm	●	6.18-6.14mm	1524 mm	●	●	●	●	●	●	.125"
6.5mm	●	6.48-6.44mm	1524 mm	●	●	●	●	●	●	.125"
7.0mm*	●	6.98-6.94mm	1524 mm	●	●	●	●	●	●	.125"
8.0mm	●	7.98-7.94mm	1178 mm	●	●	●	●	●	●	.125"
9.0mm*	●	8.98-8.94mm	1178 mm	●	●	●	●	●	●	.125"
9.5mm*	●	9.48-9.44mm	2032 mm	●	●	●	●	●	●	.250"
10.0mm	●	9.98-9.94mm	2032 mm	●	●	●	●	●	●	.250"
11.0mm*	●	10.98-10.94mm	2302 mm	●	●	●	●	●	●	.250"
12.0mm*	●	11.98-11.94mm	2540 mm	●	●	●	●	●	●	.375"
12.5mm	●	12.48-12.44mm	2540 mm	●	●	●	●	●	●	.375"
13.0mm*	●	12.98-12.94mm	2540 mm	●	●	●	●	●	●	.375"
14.0mm*	●	13.98-13.94mm	2540 mm	●	●	●	●	●	●	.375"
15.0mm*	●	14.98-14.94mm	2540 mm	●	●	●	●	●	●	.375"
16.0mm	●	15.98-15.94mm	2540 mm	●	●	●	●	●	●	.500"
17.5mm*	●	17.48-17.44mm	2540 mm	●	●	●	●	●	●	.500"
18.0mm*	●	17.98-17.94mm	2540 mm	●	●	●	●	●	●	.500"
19.0mm*	●	18.98-18.94mm	2540 mm	●	●	●	●	●	●	.750"
20.0mm	●	19.98-19.94mm	2540 mm	●	●	●	●	●	●	.750"
22.0mm*	●	21.98-21.94mm	2540 mm	●	●	●	●	●	●	.750"

\*Non Standard Metric Diameters with Special Construction

		Temp. Rating		Movement	Moisture
		'F	'C		
Potting Options	Ceramic	1000	538	Good	Not Recommended
	Silicone - Standard	500	260	Excellent	Excellent
	Silicone - High Temp	650	343	Excellent	Excellent
	Epoxy	600	315	Very Good	Very Good
	Teflon Plug	450	232	Very Good	Not Recommended
Lead Options	Fiberglass (Standard)	482	250	Good	Not Recommended
	Teflon	500	260	Excellent	Excellent
	Silicone	356	180	Excellent	Excellent
	Silicone Cable	356	180	Excellent	Excellent
	Hightemp Fiberglass	932	500	Not Recommended	Not Recommended

Lead Protection				Exit and Removal			
Fiberglass Sleeve	Braided Metal Sleeve	Armor Cable	Gas Proof Armor	Right Angle Exit	Right Angle Block	Flange	Knock Out Tab
							

This chart is representative of standard cartridge heater configurations. Please call Nexthermal for additional options, special configurations, and assemblies. 800-947-4681 or 269-964-0271





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Improve aerospace hydraulic  
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opportunity and more  
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**nexthermal**

*Imagine what we can do when we  
combine experience and innovate together.*