Standard Cartridge Heater Configuration Chart								
F	Diameter Tolerances			Constr	uction	Sheath I	Material Options	
Diameter	Standard Swage to Size Tolerance	Premium Centerless Grind Tolerance	Maximum Heater Length	High Watt Density	Medium Watt Density	300 SS Series : Temps to 842°F 316L SS : Temps to 1292°F 321 SS : Temps to 1472°F Incoloy 800 : Temps to 1500°F		Stainless NPT Size
0.125"**	0.1240" - 0.1200"	0.1240" - 0.1201"	4.0"		i i	300 SS Series		
0.250"	0.248" - 0.244"	0.2488" - 0.2472"	60.0"	•		300 SS Series		1/8"
0.3125"	0.3105" - 0.3066"	0.3114" - 0.3098"	70.0"			300 SS Series		1/4"
0.375"	0.373" - 0.369"	0.3732" - 0.3717"	80.0"		•	300 SS Series / Incoloy 800		1/4"
0.500"	0.498" - 0.494"	0.4972" - 0.4957"	100.0"			300 SS Series / Incoloy 800		3/8"
0.625"	0.623" - 0.619"	0.6232" - 0.6217"	100.0"			321 SS / Incoloy 800		1/2"
0.6785"		0.6866" - 0.6850"	100.0"	•	•	321 SS / Incoloy 800		1/2"
0.750"	0.748" - 0.744"	0.7492" - 0.7476"	100.0"	•	•	321 SS		3/4"
1.000"		0.9984" - 0.9969"	100.0"			316L SS		1"
1.250"		1.2484" - 1.2468"	100.0"		•	316LSS		
6.2mm	T.	6.18mm - 6.14mm	1525mm			300 SS Series		
6.5mm	25	6.48mm - 6.44mm	1525mm			300 SS Series		1/8"
7.0mm*		6.98mm - 6.94mm	1525mm			300 SS Series		
8.0mm*		7.98mm - 7.94mm	1178mm		•	300 SS Series		1/4"
9.0mm*		8.98mm - 8.94mm	1800mm		•	300 SS Series / Incoloy 800		
9.5mm*		9.48mm - 9.44mm	2030mm		•	300 SS Series / Incoloy 800		1/4"
10.0mm		9.98mm - 9.94mm	2540mm		•	300 SS Series		1/4"
11.0mm*		10.98mm - 10.94mm	2540mm	•	•	300 SS Series / Incoloy 800		
12.0mm*		11.98mm - 11.94mm	2540mm			300 SS Series / Incoloy 800		
12.5mm		12.48mm - 12.44mm	2540mm		•	300 SS Series / Incoloy 800		3/8"
13.0mm*	The state of the s	12.98mm - 12.94mm	2540mm		•	300 SS Series / Incoloy 800		
14.0mm*		13.98mm - 13.94mm	2540mm	•	•	300 SS Series / Incoloy 800		
15.0mm*		14.98mm - 14.94mm	2540mm		•	321 SS / Incoloy 800		
16.0mm		15.98mm - 15.94mm	2540mm	•	•	321 SS / Incoloy 800		1/2"
17.5mm*		17.48mm - 17.44mm	2540mm	•		321 SS		i
18.0mm*	2	17.98mm - 17.94mm	2540mm		•	321 SS		
19.0mm*		18.98mm - 18.94mm	2540mm		•	321 SS		3/4"
20.0mm		19.98mm - 19.94mm	2540mm		•	321 SS		3/4"
22.0mm*		21.98mm - 21.94mm	2540mm			321 SS		
*Non-standard metric diameters with special construction ** Teflon Plug & Leads Only, Thermocouples Unava								navailable
			Temp.	Rating	ating Movement		Moisture	
Potting Options	Ce	ramic	1000 °F	538 °C	Go	od Not Recomme		
		- Standard	500 °F	260 °C	Exce	\$10 miles (10 mi		t
	Silicone - High Temp.		650 °F	343 °C	Exce	AND THE RESERVE OF THE PROPERTY OF THE PROPERT		t
Options	E	ооху	600 °F	315 °C	Very	Good Very Go		od
	Teflo	n® Plug	450 °F	232 °C	Very	Good Not Recom		ended
Lead Options	Fiberglas	s (Standard)	482 °F	250 °C	Go	Good Not Recomm		ended
	Teflon [®]		500 °F	260 °C	Exce	Excellent Excelle		t
	Silicone		356 °F	180 °C	Exce	Excellent Exceller		t
	Silicone Cable		356 °F	180 °C	Exce	Excellent Excellen		t
	High Temp. Fiberglass		932 °F	500 °C	Not Recor	t Recommended Not Recomm		ended

This chart is representative of standard cartridge heater configurations.

Please call Nexthermal at (269) 964-0271 for additional options, special configurations, and assemblies.