

# STANDARD CARTRIDGE HEATERS

Diam. Ø(mm)	Length L(mm)	Watt. (W)	Leads (mm)	W.dens. (W/cm <sup>2</sup> )	Stockées	Non stockées
20	60	200	250	8	-	H20X60X200
		300	250	12	-	H20X60X300
		500	250	21	-	H20X60X500
		600	250	25	-	H20X60X600
		800	250	33	-	H20X60X800
	80	300	250	8	-	H20X80X300
		400	250	11	-	H20X80X400
		500	250	14	-	H20X80X500
		600	250	16	-	H20X80X600
		800	250	22	-	H20X80X800
		1000	250	27	-	H20X80X1000
	100	1250	250	34	-	H20X80X1250
		350	250	7	H20X100X350	-
		450	250	9	-	H20X100X450
		600	250	12	H20X100X600	-
800		250	16	H20X100X800	-	
1000		250	20	-	H20X100X1000	
1400		250	28	-	H20X100X1400	
130	1600	250	33	-	H20X100X1600	
	400	250	6	-	H20X130X400	
	500	250	7	H20X130X500	-	
	600	250	96	-	H20X130X600	
	800	250	12	-	H20X130X800	
	1000	250	15	H20X130X1000	-	
1500	250	22	H20X130X1500	-		

Diam. Ø(mm)	Length L(mm)	Watt. (W)	Leads (mm)	W.dens. (W/cm <sup>2</sup> )	Stockées	Non stockées	
20	130	2000	250	29	H20X130X2000	-	
		160	500	250	6	H20X160X500	-
			800	250	9	H20X160X800	-
			1000	250	12	-	H20X160X1000
			1500	250	17	-	H20X160X1500
	2000		250	23	-	H20X160X2000	
	200	800	250	7	H20X200X800	-	
		1000	250	9	H20X200X1000	-	
		1500	250	13	H20X200X1500	-	
		1800	250	16	-	H20X200X1800	
		2000	250	18	H20X200X2000	-	
		2500	250	22	-	H20X200X2500	
	250	800	250	6	-	H20X250X800	
		1000	250	7	H20X250X1000	-	
		1500	250	11	-	H20X250X1500	
2000		250	14	H20X250X2000	-		
2500		250	17	-	H20X250X2500		
300	1000	250	6	H20X300X1000	-		
	1500	250	9	H20X300X1500	-		
	2000	250	11	H20X300X2000	-		
	2500	250	14	-	H20X300X2500		
25.4 (1")	76.2 (3")	600	250	15	-	H1X3X600	

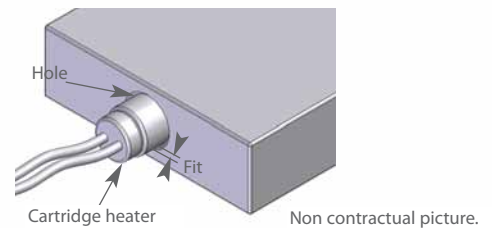
- All these cartridge heaters can be fitted with specific accessories and connection types (see p 9 et p12).
- In addition to standard cartridge heaters, see our special product range (p16)

## ASSEMBLY RECOMMENDATIONS FOR CARTRIDGE HEATERS

### BORING AND FIT OF STANDARD CARTRIDGE HEATERS

In order to facilitate the heat transfer between the cartridge heater and the mass to be heated, a bore with an H7 tolerance is recommended.

Nominal boring diameter in mm	H7 Bore	
	Mini value (mm)	Maxi value (mm)
6.35 (1/4") - 6.5 - 8 - 9.52 (3/8") - 10	- 0	+0.015
12.5 - 12.7 (1/2") - 15.87 (5/8") - 16	- 0	+0.018
19.05 (3/4") - 20	- 0	+0.021



Standard cartridge heaters require a H7 bore fit. However, when needed for applications with high watt density or high temperature requirements, fitting tolerances can be tighter.

### ASSEMBLY RECOMMENDATIONS

In order to improve heat transfer, some basic cares should be taken. For further details, see our technical assembly section.

- Cartridge heaters should never operate in the open air.



- To protect the heater from damage, we recommend using thermal transfer paste like GRIPACIM. It will improve heat transfer between the heater and the object to be heated.

**Caution ! Do not apply paste over connection wires.**

- It is highly recommended to protect connections from excessive bending and to keep lead wires away from moisture, and from any possible matter spillover ...
- Cartridge heaters are manufactured to be part of an assembly. As standard, they are not fitted with an earth wire ; it is up to the user to make sure that the systems is in accordance with the local safety standards.