

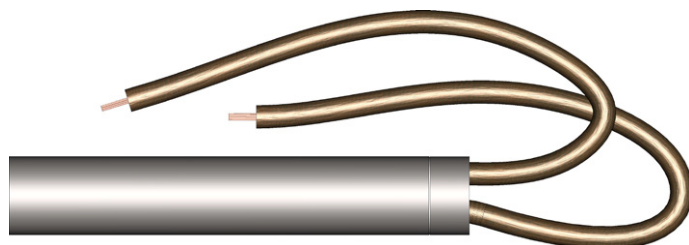
CARTRIDGE HEATERS - Ø12.5 MM

Properties

The standard range of cartridge heaters in stock are used for heating of solid, liquid or gas in a wide range of industrial and engineering applications within plastic-, packaging-, rubber-, wood- and paper industry, foundries, medicine technical and laboratorial industry.

Typical applications are heating of moulds, hotplates, tools for sealing and marking equipment etc.

The cartridge heater design, with a resistance wire wrapped around a magnesium oxide core positioned close to the metal casing, gives an excellent heat distribution allowing a very high power at a limited space.



Technical specification

Material	Cartridge Ø12.5 mm in stainless steel EN 1.4541/AISI 321
Inactive lengths	5 mm at bottom end, 10 mm at connection end
Voltage	230 V
Electric connection	External cable connection with 300 mm high temperature resistant cables 350°C welded to the cartridge connection pins
Assembly	Reamed hole min H7 tolerance is required for cartridges with surface power density $\leq 20 \text{ W/cm}^2$ Higher loads requires individual adjustment Hole should be deeper than the cartridge length
Diameter tolerance	-0.05 to -0.08 mm
Length tolerance	$\pm 2 \text{ mm} \leq 100 \text{ mm}$ and $\pm 2 \% \geq 100 \text{ mm}$ cartridge length
Power tolerance	+5% / -10%
Surface power density	W/cm ² acc. values in table
Standards	CE, EN 60335-1

Options

Assembly paste Loctite 8009 article no 3051773101

Lubricating spray article no 3050028001

Accessories such as alternative cable outlets and protections, connections, fittings water proof sealing etc. in separate data sheets Other voltages, wattages, lead lengths and dimensions in inches available on request

Cartridge heaters with built-in thermocouple in separate data sheets UL-approved cartridges available on request

Technical information and assembly

Instructions at assembly and disassembly, diagrams etc. in separate information sheet

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Standard assortment

Length mm	Power W	Load W/cm ²	Article no
40	125	13	3120400125
40	160	16	3120400160
40	200	20	3120400200
40	250	25	3120400250
40	300	30	3120400300
40	350	35	3120400350
40	400	40	3120400400
40	500	50	3120400500
50	160	12	3120500160
50	200	15	3120500200
50	250	18	3120500250
50	300	22	3120500300
50	350	25	3120500350
50	400	29	3120500400
50	500	36	3120500500
50	600	44	3120500600
60	125	7	3120600125
60	160	9	3120600160
60	200	12	3120600200
60	250	15	3120600250
60	300	17	3120600300
60	350	20	3120600350
60	400	23	3120600400
60	500	29	3120600500
60	600	35	3120600600
80	125	5	3120800125
80	160	6	3120800160
80	200	8	3120800200
80	250	10	3120800250
80	300	12	3120800300
80	350	14	3120800350
80	400	16	3120800400
80	500	20	3120800500
80	600	24	3120800600
80	750	30	3120800750
100	160	5	3121000160
100	200	6	3121000200
100	250	8	3121000250
100	300	9	3121000300

Length mm	Power W	Load W/cm ²	Article no
100	400	12	3121000400
100	500	15	3121000500
100	600	18	3121000600
100	800	25	3121000800
100	1000	31	3121001000
130	250	6	3121300250
130	300	7	3121300300
130	400	9	3121300400
130	500	11	3121300500
130	600	14	3121300600
130	800	18	3121300800
130	1000	22	3121301000
160	400	7	3121600400
160	500	8	3121600500
160	600	10	3121600600
160	800	13	3121600800
160	1000	17	3121601000
160	1200	20	3121601200
200	300	4	3122000300
200	500	7	3122000500
200	600	8	3122000600
200	800	11	3122000800
200	1000	14	3122001000
200	1200	17	3122001200
200	1500	21	3122001500
250	500	5	3122500500
250	800	9	3122500800
250	1000	11	3122501000
250	1250	14	3122501250
250	1500	17	3122501500
250	2000	22	3122502000
300	500	5	3123000500
300	800	7	3123000800
300	1000	9	3123001000
300	1250	11	3123001250
300	1500	14	3123001500
300	2000	18	3123002000