

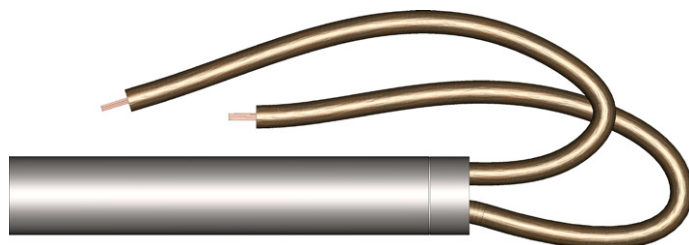
CARTRIDGE HEATERS - Ø16 MM

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 Ø16 mm in stainless steel EN 1.4541/AISI 321
Inactive lengths	5 mm at bottom end, 10 mm at connection end
Heater 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	$\pm 2 \text{ mm} \leq 100 \text{ mm}$ och $\pm 2 \% \geq 100 \text{ mm}$ cartridge length
Power tolerance	+5% / -10%
Surface power density	W/cm ² acc. values in table

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

Standard assortment

Length mm	Power W	Load W/cm ²	Article no
40	160	13	3160400160
40	200	16	3160400200
40	250	20	3160400250
40	300	24	3160400300
40	400	32	3160400400
40	500	40	3160400500

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Standard assortment

Length mm	Power W	Load W/cm ²	Article no
50	160	9	3160500160
50	200	11	3160500200
50	250	14	3160500250
50	300	17	3160500300
50	400	23	3160500400
50	500	28	3160500500
50	600	30	3160500600
60	160	8	3160600160
60	200	10	3160600200
60	250	12	3160600250
60	300	15	3160600300
60	400	20	3160600400
60	500	24	3160600500
60	600	30	3160600600
80	250	8	3160800250
80	300	10	3160800300
80	400	13	3160800400
80	500	16	3160800500
80	600	20	3160800600
80	800	28	3160800800
80	1000	33	3160801000
100	300	7	3161000300
100	400	10	3161000400
100	500	12	3161000500
100	600	15	3161000600
100	800	20	3161000800
100	1000	25	3161001000
100	1200	30	3161001200
130	400	7	3161300400
130	500	9	3161300500
130	600	11	3161300600
130	800	14	3161300800
130	1000	18	3161301000
130	1200	22	3161301200
160	400	6	3161600400
160	500	7	3161600500
160	600	8	3161600600

Length mm	Power W	Load W/cm ²	Article no
160	800	11	3161600800
160	1000	14	3161601000
160	1300	19	3161601300
160	1600	23	3161601600
200	500	6	3162000500
200	800	9	3162000800
200	1000	11	3162001000
200	1250	14	3162001250
200	1500	17	3162001500
200	2000	22	3162002000
250	500	4	3162500500
250	800	7	3162500800
250	1000	9	3162501000
250	1300	11	3162501300
250	1600	14	3162501600
250	2000	17	3162502000
300	500	4	3163000500
300	800	6	3163000800
300	1000	7	3163001000
300	1300	9	3163001300
300	1500	11	3163001500
300	1800	13	3163001800
300	2000	14	3163002000
300	2500	18	3163002500
350	750	5	3163500750
350	1000	6	3163501000
350	1300	8	3163501300
350	1600	10	3163501600
350	2000	12	3163502000
350	2500	15	3163502500
400	1000	5	3164001000
400	1300	7	3164001300
400	1600	8	3164001600
400	2000	10	3164002000
400	2500	13	3164002500