

Quick Ship

• Next day shipment on all stock units.

Cartridge Heaters**Metric EB Cartridge**

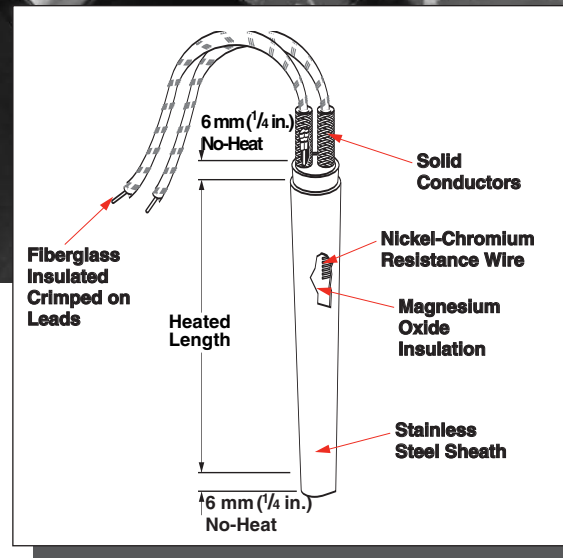
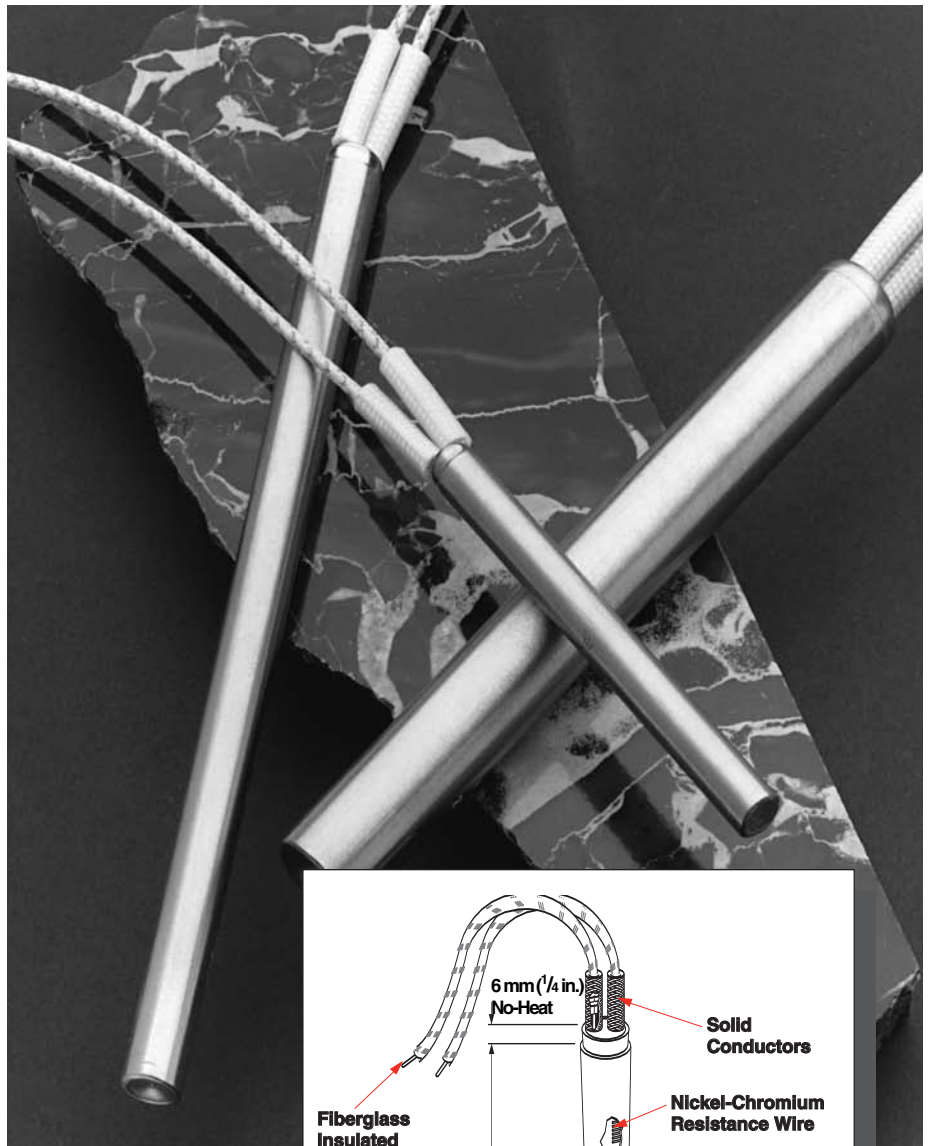
The Watlow EB cartridge heater is a proven performer like the metric FIREROD®. That's because the same quality materials go into its construction; MgO insulation, nickel-chromium resistance wire, silicone-fiberglass insulated lead wires. The only difference is that the EB cartridge is packaged in a more economical design. Instead of having the high watt density capabilities of a metric FIREROD, it's made for medium watt density applications.

Performance Capabilities

- Part temperatures to 600°C (1100°F)
- Maximum watt density to 30 W/cm² (190 W/in²)
- Maximum voltage to 480V~(ac)

Features and Benefits

- **Magnesium oxide insulation**, compacted to the proper density, results in high dielectric strength and contributes to faster heat-up.
- **Nickel-chromium resistance wire**, precisely wound through the heated length, assures even, efficient distribution of heat to the sheath.
- **Metallurgically-bonded conductor pins**, crimp-connected to the resistance wires, ensure trouble-free electrical continuity. This process provides lead flexibility just 8 mm ($\frac{5}{16}$ inch) from the end of the heater.
- **Flexible stranded wires**, with silicone-fiberglass sleeve, insulate the wires to temperatures of 250°C (480°F).
- **Optional lead end with silicone rubber seal** protects the leads against moisture and other contaminants.



- **VDE component recognition** to 230V~(ac) according to VDE 0721 part 1/3.78 and part 2/3.78 Section E in connection with VDE 0720 part 1/11.74.

Applications

- Plastic injection molds, dies and sealing jaws
- Hot melt systems, labeling
- Industrial and textile manufacturing equipment

Cartridge Heaters

Metric EB Cartridge

Applications and Technical Data

Continued

Maximum Allowable Watt Density

Both the *Maximum Allowable Watt Density* metric and inch-base charts will tell you either the hole fit or recommended watt density in relationship to part temperature. Enter the chart with either known variable, part fit in hole dimension or watt density. Then find the part temperature by reading up or over on the chart. The part temperature curves shown are measured 13 mm (½ inch) from the heater in a mild steel block. For stainless steel blocks, enter the graph with a fit of 0.04 mm (0.0015 inch) larger than actual. For aluminum and brass blocks, enter the graph with a temperature 55°C (100°F) above actual block temperature.

On-Off Cycling: On-off cycling shortens heater life. If the heater cycles more than once per hour, multiply the watt density, shown on the chart, by 0.8 to determine the maximum allowable watt density for the application. If the heater cycles more than once a minute, multiply by 0.7.

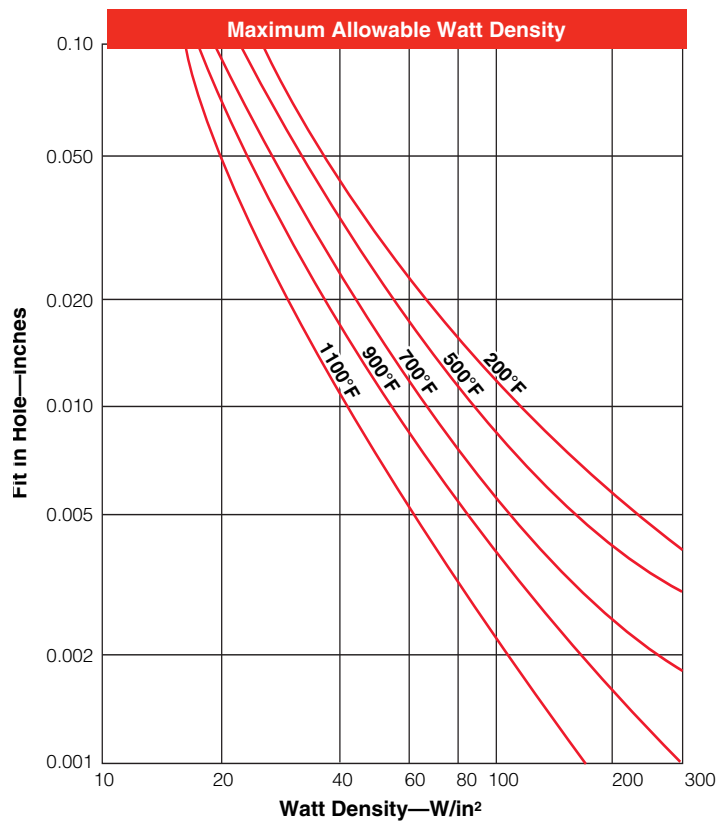
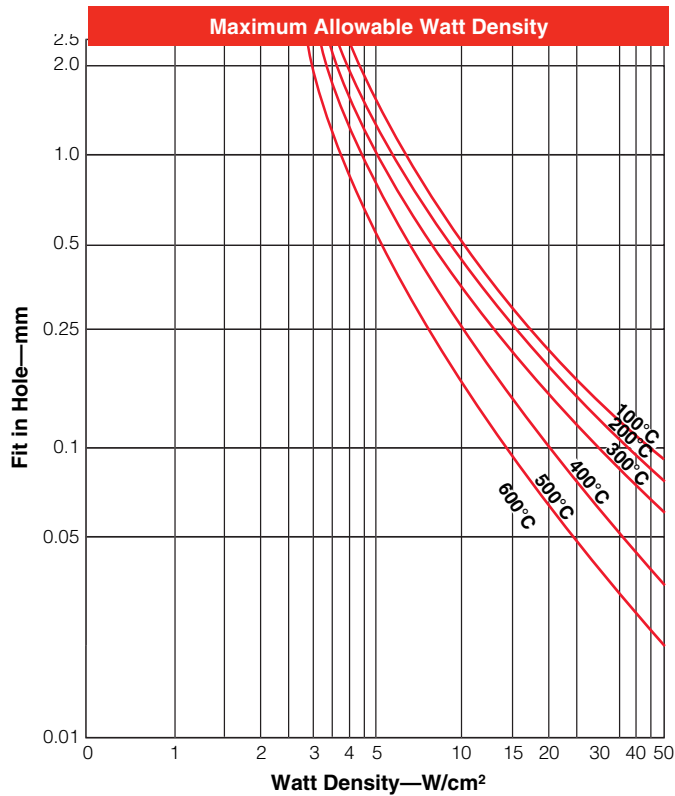
Tolerances

Diameter: -0.02 mm, -0.08 mm
(-0.0008 inch, -0.0031 inch)

Length: ±3 percent with ±2.4 mm
(±³/₃₂ inch) minimum

Resistance: +5 percent, -10 percent. Resistance is measured at room temperature following first heater operation.

Wattage: +10 percent, -5 percent. Wattage decreases approximately 5 percent with temperature. Wattage tolerances are for heaters at operating temperature.



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Applications and Technical Data

Continued

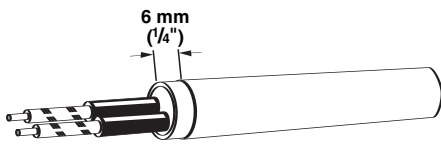
Dimensional & Electrical Data

Heater Diameter (mm)	6.5	8	10	12.5	16	20
Nominal Diameter (in)	0.256	0.315	0.394	0.492	0.630	0.787
Maximum Voltage	250	250	250	400	480	480
Crimped-on Leads						
Maximum Amps	4.4	4.4	6.7	9.7	23	23
Maximum Wattage @ 230V	1010	1010	1540	2230	5290	5290
Maximum Wattage @ 400V				3880	9200	9200
Swaged-in Leads						
Maximum Amps	3.1/4.4 ①	3.1/4.4 ①	4.4	7.6/12.5 ②	7.6/12.5	12.5
Maximum Wattage @ 230V	710/1010	710/1010	1010	1750/2875	1750/2875	2875
Maximum Wattage @ 400V	—	—	—	3040/5000	3040/5000	5000

① On certain lead construction, maximum amperage is 3.1. Please consult Watlow.

② On certain lead construction, maximum amperage is 7.6. Please consult Watlow.

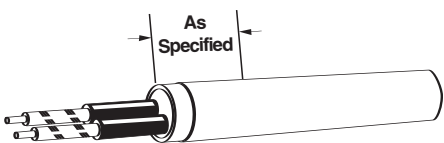
Termination Options



Crimped-on Lead

Crimped-on leads with a 6 mm (¼ inch) unheated section are recommended for applications where the lead wire temperature does not exceed 250°C (480°F).

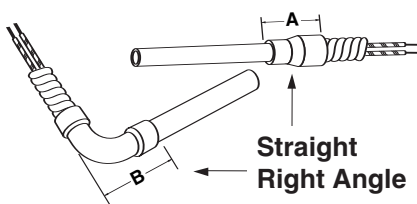
Unless a longer length is specified, 250 mm (10 inch) leads will be supplied. To order, request **crimped-on leads** and desired lead length.



No-Heat Zone

An unheated section can be used to extend the leads safely into a cool zone in a high temperature

application. Leads should be kept below 250°C (480°F) for maximum service life. To order, specify **no-heat zone** and length of unheated section.



Galvanized Conduit

Flexible galvanized conduit can be installed over the leads for abrasion protection. It is attached with either a straight or 90 degree elbow copper coupler. The copper coupler

overlaps the heater sheath by 6 mm (¼ inch). A no-heat section is required. To order, specify **galvanized conduit, straight or right angle**.

Stainless Steel Hose

Stainless steel hose also protects leads against abrasion. It is attached with a straight or 90 degree elbow copper coupler. The copper coupler overlaps the heater sheath by 6 mm (¼ inch).

It can also be swaged-in straight or silver soldered to the heater sheath at a right angle. A no-heat section is required. To order, specify **stainless steel hose, straight or right angle with copper coupler, straight swaged-in or right angle silver soldered**.

Cartridge Heaters

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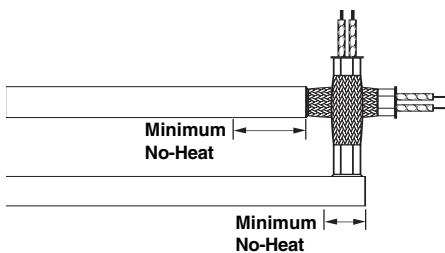
Termination Options

Continued

Galvanized Conduit and Stainless Steel Hose Dimensions

Heater Diameter mm	Minimum No-Heat Length mm (inches)	Dimension A mm (inches)	Dimension B mm (inches)	Galvanized Conduit O.D. mm (inches)	Stainless Steel Hose O.D. mm (inches)
6.5	12 (1/2)	22 (7/8)	29 (1 1/8)	10 (3/8)	5.6 (3/16)
8	12 (1/2)	22 (7/8)	29 (1 1/8)	10 (3/8)	6.5 (1/4)
10	14 (1/2)	22 (7/8)	29 (1 1/8)	10 (3/8)	7.2 (3/16)
12.5	16 (5/8)	28 (1 1/8)	30 (1 3/16)	14 (3/16)	9.5 (3/8)
16	19 (3/4)	28 (1 1/8)	34 (1 3/8)	14 (3/16)	12.7 (1/2)
20	22 (7/8)	29 (1 1/8)	36 (1 7/16)	16 (5/8)	15.9 (5/8)

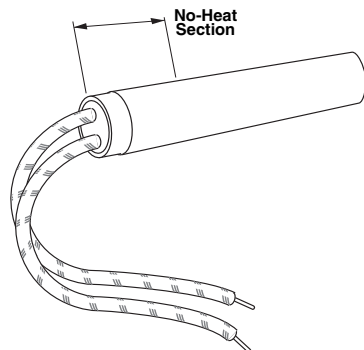
Dimensions are shown for designs with copper coupler only.



Stainless Steel Braid

Like stainless steel hose, stainless steel braid also protects against abrasion. Stainless steel braid is swaged-in straight or crimped-on to the heater at a right angle. Metal

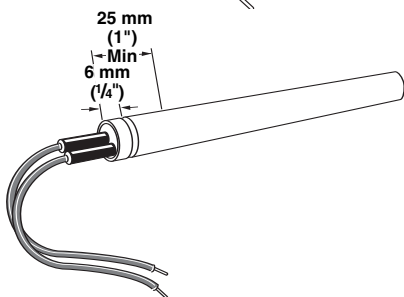
braid is recommended when excellent flexibility with good physical protection is needed. A unheated section is required. To order, specify **stainless steel braid, straight or right angle.**



Swaged-in Flexible Lead

Swaged-in flexible leads, with a silicone-fiberglass insulation, are recommended for applications in which the leads must be bent at the exit point from the heater. Unless longer length is specified, 250 mm (10 inch) leads are supplied.

Heaters 140 mm (5 1/2 inches) or shorter generally have a six mm (1/4 inch) no-heat section. Heaters to 250 mm (10 inches) require a 25 mm (one inch) no-heat section. Heaters greater than 250 mm may require more than a 25 mm no-heat section. To order, please specify **swaged-in flexible leads.**

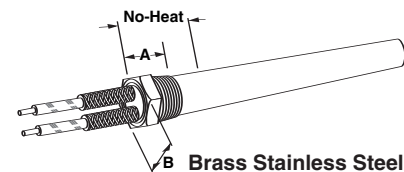


Moisture Resistant Seal

Silicone rubber moisture resistant seals can be provided at the lead end to virtually seal the heater. This seal is rated to 230°C (450°F) continuous operation.

crimped-on silicone rubber insulated lead wires and silicone rubber sleeves that extend into the seal. Swaged-in leads are also an option where flexibility at the lead exit is required. To order specify, **silicone rubber moisture resistant seal** and either **crimped-on** or **swaged-in leads.**

A 25 mm (one inch) no-heat section is required at the lead end. Solid pin leads exit through the seal with



Threaded Fitting

Either brass or stainless steel threaded fittings for screw-in mounting can be added to units that have moisture resistant seals. Available dimensions are shown on the *Threaded Fittings*

charts. To order, please request **brass** or **stainless steel threaded fittings** and location on the heater.

Note: For liquid immersion applications, please also specify heavy weld end disc.

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Termination Options

Continued

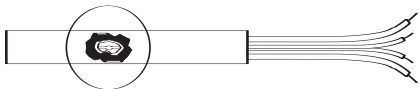
DIN Thread Size

Heater Diameter mm	Minimum No-Heat Length mm (inches)	Thread Size DIN 13	Dimension A mm (inches)	Dimension B mm (inches)	Length of Threaded Section mm (inches)
6.5	16 (5/8)	M 10 X 1	10 (3/8)	12 (1/2)	6 (1/4)
8	16 (5/8)	M 12 X 1	10 (3/8)	14 (1/2)	6.5 (1/4)
10	18 (1 1/16)	M 14 X 1.5	11 (7/16)	17 (5/8)	6.5 (1/4)
12.5	19 (3/4)	M 16 X 1.5	12 (1/2)	19 (3/4)	7.5 (3/16)
16	20 (3/4)	M 20 X 1.5	14 (9/16)	24 (1 1/16)	9 (3/8)
20	22 (7/8)	M 26 X 1.5	15 (9/16)	30 (1 3/16)	10 (3/8)

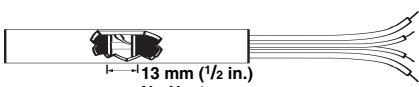
NPT Thread Size

Heater Diameter mm	Minimum No-Heat Length mm (inches)	Thread Size NPT inches	Dimension A mm (inches)	Dimension B mm (inches)	Length of Threaded Section mm (inches)
6.5	19 (3/4)	1/8	13 (1/2)	11 (7/16)	10 (3/8)
8	22 (7/8)	1/8	16 (5/8)	14 (1/2)	13 (1/2)
10	22 (7/8)	1/8	16 (5/8)	14 (1/2)	13 (1/2)
12.5	25 (1)	3/8	19 (3/4)	17.5 (1 1/16)	15 (3/16)
16	28 (1 1/8)	1/2	22 (7/8)	22 (7/8)	16 (3/8)
20	32 (1 1/4)	3/4	25 (1)	29 (1 1/8)	19 (3/4)

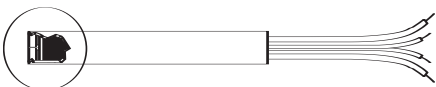
Style A



Style B



Style C



Thermocouple Types

ASTM Code	Conductor Characteristics		Temperature Range	
	Positive	Negative	°C	(°F)
J	Copper	Constantan (Silver Color)	-60 to 370	(-75 to 700)
K	Chromel® (Non-Magnetic)	Alumel® (Magnetic)	-20 to 1260	(0 to 2300)

For other ASTM types, contact Watlow.

How to Order

To order stock AB cartridge heaters, please specify:

- Code number
- Termination options, and length of leads

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Internal Thermocouple

Style A is used to evaluate heat transfer efficiency of an application. The junction is located in the heater core to monitor the internal temperature of the heater.

Style B approximates part temperature, and is available in all diameters. The thermocouple junction can be in contact with the inside of the heater sheath, located in the 13 mm (1/2 inch) no-heat

section anywhere along the heater length.

Style C is useful in applications where material flows past the end of the heater. This junction is embedded in a special end disc. Type C is available only on 6.5, 8, 10, 12.5 and 16 mm diameter units.

To order, specify **internal thermocouple, Style A, B or C** and **thermocouple ASTM Type J, T, K or E**. If not specified, 250 mm (10 inch) thermocouple leads are supplied.

For **made-to-order** units, please specify:

- Diameter
- Overall length
- Watts
- Termination options, and length of leads

Availability

Stock: Next day shipment

Made-to-Order: Shipment within three weeks

Cartridge Heaters

Made in Kronau, Germany

Metric EB Cartridge

Diameter mm	Sheath Length mm (inches)	No-Heat Length mm	Watts	Watt Density		Availability	Code No.	
				W/cm ²	(W/in ²)			
6.5	40 (1 1/16)		50	9	(58)	Stock	KEBE0040C001A	
	40 (1 1/16)		75	14	(90)	Stock	KEBE0040C002A	
	40 (1 1/16)		100	19	(123)	Stock	KEBE0040C003A	
	40 (1 1/16)		125	24	(155)	Stock	KEBE0040C004A	
	40 (1 1/16)		150	28	(181)	Stock	KEBE0040C005A	
	60 (2 3/8)		50	5	(32)	Stock	KEBE0060C001A	
	60 (2 3/8)		100	11	(71)	Stock	KEBE0060C002A	
	60 (2 3/8)		150	16	(103)	Stock	KEBE0060C003A	
	60 (2 3/8)		200	21	(135)	Stock	KEBE0060C004A	
	60 (2 3/8)		250	27	(174)	Stock	KEBE0060C005A	
	80 (3 1/8)		100	7	(45)	Stock	KEBE0080C001A	
	80 (3 1/8)		150	11	(71)	Stock	KEBE0080C002A	
	80 (3 1/8)		200	15	(97)	Stock	KEBE0080C003A	
	80 (3 1/8)		300	22	(142)	Stock	KEBE0080C004A	
	80 (3 1/8)		450	33	(213)	Stock	KEBE0080C005A	
	100 (3 15/16)		100	6	(39)	Stock	KEBE0100C001A	
	100 (3 15/16)		200	11	(71)	Stock	KEBE0100C002A	
	100 (3 15/16)		300	17	(110)	Stock	KEBE0100C003A	
	8.0	40 (1 1/16)		50	8	(52)	Stock	KEBF0040C001A
		40 (1 1/16)		75	11	(71)	Stock	KEBF0040C002A
40 (1 1/16)			100	15	(97)	Stock	KEBF0040C003A	
40 (1 1/16)			150	23	(148)	Stock	KEBF0040C004A	
40 (1 1/16)			200	31	(200)	Stock	KEBF0040C005A	
60 (2 3/8)			75	6	(39)	Stock	KEBF0060C001A	
60 (2 3/8)			150	13	(84)	Stock	KEBF0060C002A	
60 (2 3/8)			200	17	(110)	Stock	KEBF0060C003A	
60 (2 3/8)			250	22	(142)	Stock	KEBF0060C004A	
60 (2 3/8)			300	26	(168)	Stock	KEBF0060C005A	
80 (3 1/8)			100	6	(39)	Stock	KEBF0080C001A	
80 (3 1/8)			200	12	(77)	Stock	KEBF0080C002A	
80 (3 1/8)			300	18	(116)	Stock	KEBF0080C003A	
80 (3 1/8)		25	400	33	(213)	Stock	KEBF0080D001A	
80 (3 1/8)		25	500	41	(265)	Stock	KEBF0080D002A	
100 (3 15/16)			100	5	(32)	Stock	KEBF0100C001A	
100 (3 15/16)			250	12	(77)	Stock	KEBF0100C002A	
100 (3 15/16)		25	400	23	(148)	Stock	KEBF0100D001A	
100 (3 15/16)		25	500	29	(187)	Stock	KEBF0100D002A	
100 (3 15/16)		25	600	35	(226)	Stock	KEBF0100D003A	
130 (5 1/8)		25	200	8	(52)	Stock	KEBF0130D001A	
130 (5 1/8)		25	350	14	(90)	Stock	KEBF0130D002A	
130 (5 1/8)		25	500	20	(129)	Stock	KEBF0130D003A	
10.0	40 (1 1/16)		50	6	(39)	Stock	KEBG0040C001A	
	40 (1 1/16)		100	12	(77)	Stock	KEBG0040C002A	
	40 (1 1/16)		150	18	(116)	Stock	KEBG0040C003A	
	40 (1 1/16)		200	24	(155)	Stock	KEBG0040C004A	
	40 (1 1/16)		250	31	(200)	Stock	KEBG0040C005A	
	60 (2 3/8)		100	7	(45)	Stock	KEBG0060C001A	
	60 (2 3/8)		150	10	(65)	Stock	KEBG0060C002A	
	60 (2 3/8)		200	14	(90)	Stock	KEBG0060C003A	
	60 (2 3/8)		300	21	(135)	Stock	KEBG0060C004A	
	60 (2 3/8)		400	28	(181)	Stock	KEBG0060C005A	
	80 (3 1/8)		100	5	(32)	Stock	KEBG0080C001A	
	80 (3 1/8)		200	10	(65)	Stock	KEBG0080C002A	
	80 (3 1/8)		300	14	(90)	Stock	KEBG0080C003A	
	80 (3 1/8)		400	19	(123)	Stock	KEBG0080C004A	
	80 (3 1/8)		600	29	(187)	Stock	KEBG0080C005A	
	100 (3 15/16)		200	7	(45)	Stock	KEBG0100C001A	
	100 (3 15/16)		300	11	(71)	Stock	KEBG0100C002A	
	100 (3 15/16)		400	15	(97)	Stock	KEBG0100C003A	
	100 (3 15/16)		500	19	(123)	Stock	KEBG0100C004A	
	100 (3 15/16)	25	700	33	(213)	Stock	KEBG0100D001A	

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Note: All stock EB cartridge heaters 230V~(ac) and 1000 mm fiberglass insulated swaged-in leads.

Cartridge Heaters

Made in Kronau, Germany

Metric EB Cartridge

Diameter mm	Sheath Length mm (inches)	No-Heat Length mm	Watts	Watt Density		Availability	Code No.	
				W/cm ²	(W/in ²)			
10.0	130 (5 1/8)		200	5	(32)	Stock	KEBG0130C001A	
	130 (5 1/8)		400	11	(71)	Stock	KEBG0130C002A	
	130 (5 1/8)	25	600	19	(123)	Stock	KEBG0130D001A	
	130 (5 1/8)	25	800	26	(168)	Stock	KEBG0130D002A	
	130 (5 1/8)	25	1000	32	(206)	Stock	KEBG0130D003A	
	160 (6 3/16)	25	200	5	(32)	Stock	KEBG0160D001A	
	160 (6 3/16)	25	500	12	(77)	Stock	KEBG0160D002A	
	160 (6 3/16)	25	800	20	(129)	Stock	KEBG0160D003A	
	160 (6 3/16)	25	1000	25	(161)	Stock	KEBG0160D004A	
	160 (6 3/16)	25	1200	30	(194)	Stock	KEBG0160D005A	
	200 (7 7/8)	25	300	6	(39)	Stock	KEBG0200D001A	
	200 (7 7/8)	25	600	11	(71)	Stock	KEBG0200D002A	
	200 (7 7/8)	25	1000	19	(123)	Stock	KEBG0200D003A	
	200 (7 7/8)	25	1200	23	(148)	Stock	KEBG0200D004A	
	200 (7 7/8)	25	1400	27	(174)	Stock	KEBG0200D005A	
	250 (9 7/8)	25	400	6	(39)	Stock	KEBG0250D001A	
	250 (9 7/8)	25	700	10	(65)	Stock	KEBG0250D002A	
	250 (9 7/8)	25	1000	15	(97)	Stock	KEBG0250D003A	
	250 (9 7/8)	25	1400	20	(129)	Stock	KEBG0250D004A	
	300 (11 13/16)	30	500	6	(39)	Stock	KEBG0300D004A	
	300 (11 13/16)	30	1000	12	(77)	Stock	KEBG0300D002A	
	300 (11 13/16)	30	1500	18	(116)	Stock	KEBG0300D003A	
	12.5	80 (3 1/8)		150	6	(39)	Stock	KEBJ0080C001A
		80 (3 1/8)		300	12	(77)	Stock	KEBJ0080C003A
80 (3 1/8)			400	15	(97)	Stock	KEBJ0080C004A	
80 (3 1/8)			500	19	(123)	Stock	KEBJ0080C002A	
80 (3 1/8)			700	27	(174)	Stock	KEBJ0080C005A	
100 (3 15/16)			200	6	(39)	Stock	KEBJ0100C001A	
100 (3 15/16)			400	12	(77)	Stock	KEBJ0100C002A	
100 (3 15/16)			600	18	(116)	Stock	KEBJ0100D003A	
100 (3 15/16)			800	24	(155)	Stock	KEBJ0100D004A	
100 (3 15/16)		25	1000	37	(239)	Stock	KEBJ0100D001A	
130 (5 1/8)			250	5	(32)	Stock	KEBJ0130C001A	
130 (5 1/8)			500	11	(71)	Stock	KEBJ0130C002A	
130 (5 1/8)		25	800	21	(135)	Stock	KEBJ0130D001A	
130 (5 1/8)		25	1000	26	(168)	Stock	KEBJ0130D002A	
130 (5 1/8)		25	1400	36	(232)	Stock	KEBJ0130D003A	
160 (6 3/16)		25	300	6	(39)	Stock	KEBJ0160D001A	
160 (6 3/16)		25	600	12	(77)	Stock	KEBJ0160D002A	
160 (6 3/16)		25	1000	20	(129)	Stock	KEBJ0160D003A	
160 (6 3/16)		25	1400	28	(181)	Stock	KEBJ0160D004A	
160 (6 3/16)		25	1700	34	(219)	Stock	KEBJ0160D005A	
200 (7 7/8)		25	400	6	(39)	Stock	KEBJ0200D002A	
200 (7 7/8)		25	700	11	(71)	Stock	KEBJ0200D003A	
200 (7 7/8)		25	1000	15	(97)	Stock	KEBJ0200D004A	
200 (7 7/8)		25	1500	23	(148)	Stock	KEBJ0200D005A	
200 (7 7/8)		25	2000	30	(194)	Stock	KEBJ0200D006A	
250 (9 7/8)		25	500	6	(39)	Stock	KEBJ0250D001A	
250 (9 7/8)		25	1000	12	(77)	Stock	KEBJ0250D002A	
250 (9 7/8)		25	1500	18	(116)	Stock	KEBJ0250D003A	
250 (9 7/8)		25	2000	23	(148)	Stock	KEBJ0250D004A	
300 (11 13/16)		30	600	6	(39)	Stock	KEBJ0300D001A	
300 (11 13/16)		30	1500	15	(97)	Stock	KEBJ0300D002A	
16.0		80 (3 1/8)		200	6	(39)	Stock	KEBL0080C001A
		80 (3 1/8)		400	12	(77)	Stock	KEBL0080C002A
		80 (3 1/8)		600	18	(116)	Stock	KEBL0080C003A
		80 (3 1/8)		800	24	(155)	Stock	KEBL0080C004A
		100 (3 15/16)		300	7	(45)	Stock	KEBL0100C001A
	100 (3 15/16)		500	12	(77)	Stock	KEBL0100C002A	
	100 (3 15/16)		700	16	(103)	Stock	KEBL0100C003A	
	100 (3 15/16)	25	1000	29	(187)	Stock	KEBL0100D001A	

Cartridge Heaters

CONTINUED

Note: All stock EB cartridge heaters 230V~(ac) and 1000 mm fiberglass insulated swaged-in leads.

Cartridge Heaters

Made in Kronau, Germany

Metric EB Cartridge

Diameter mm	Sheath Length		No-Heat Length mm	Watts	Watt Density		Availability	Code No.	
	mm	(inches)			W/cm ²	(W/in ²)			
16.0	130	(5 1/8)	25	400	8	(52)	Stock	KEBL0130D001A	
	130	(5 1/8)	25	600	12	(77)	Stock	KEBL0130D002A	
	130	(5 1/8)	25	800	16	(103)	Stock	KEBL0130D003A	
	130	(5 1/8)	25	1200	24	(155)	Stock	KEBL0130D004A	
	160	(6 5/16)	25	500	8	(52)	Stock	KEBL0160D001A	
	160	(6 5/16)	25	700	11	(71)	Stock	KEBL0160D002A	
	160	(6 5/16)	25	1000	16	(103)	Stock	KEBL0160D003A	
	160	(6 5/16)	25	1500	23	(148)	Stock	KEBL0160D004A	
	160	(6 5/16)	25	2000	31	(200)	Stock	KEBL0160D005A	
	200	(7 7/8)	25	600	7	(45)	Stock	KEBL0200D001A	
	200	(7 7/8)	25	1000	12	(77)	Stock	KEBL0200D002A	
	200	(7 7/8)	25	1500	18	(116)	Stock	KEBL0200D003A	
	200	(7 7/8)	25	2000	24	(155)	Stock	KEBL0200D004A	
	250	(9 7/8)	25	700	6	(39)	Stock	KEBL0250D001A	
	250	(9 7/8)	25	1500	14	(90)	Stock	KEBL0250D002A	
	250	(9 7/8)	25	2000	18	(116)	Stock	KEBL0250D003A	
	300	(11 13/16)	30	1000	8	(52)	Stock	KEBL0300D001A	
	300	(11 13/16)	30	1500	11	(71)	Stock	KEBL0300D002A	
	300	(11 13/16)	30	2000	15	(97)	Stock	KEBL0300D003A	
	20.0	200	(7 7/8)	25	1000	9	(58)	Stock	KEBN0200D001A
		200	(7 7/8)	25	1500	14	(90)	Stock	KEBN0200D002A
		200	(7 7/8)	25	2000	19	(123)	Stock	KEBN0200D003A
		300	(11 13/16)	30	1000	6	(39)	Stock	KEBN0300D001A
		300	(11 13/16)	30	1500	9	(58)	Stock	KEBN0300D002A
300		(11 13/16)	30	2500	15	(97)	Stock	KEBN0300D003A	
400		(15 3/4)	40	1000	5	(32)	Stock	KEBN0400D001A	
400		(15 3/4)	40	2500	11	(71)	Stock	KEBN0400D002A	
400		(15 3/4)	40	4000	18	(116)	Stock	KEBN0400D003A	
500		(19 1/16)	50	1000	4	(26)	Stock	KEBN0500D001A	
500		(19 1/16)	50	2500	9	(58)	Stock	KEBN0500D002A	
500		(19 1/16)	50	4000	14	(90)	Stock	KEBN0500D003A	

Note: All stock EB cartridge heaters 230V~(ac) and 1000 mm fiberglass insulated swaged-in leads.