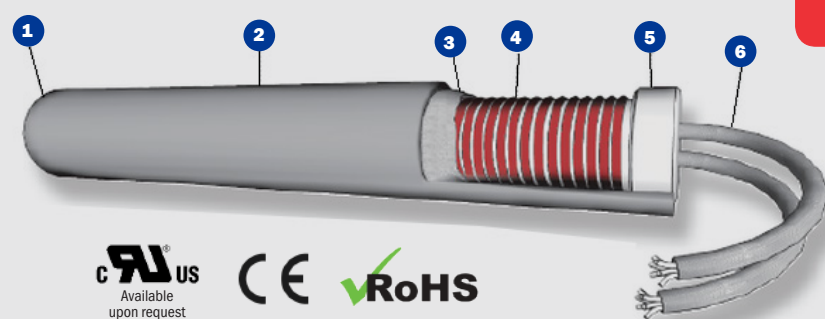


CARTRIDGE HEATERS

BriskHeat Swaged Cartridge Heaters are the premier choice for the most demanding applications. They feature very high-watt densities for rapid heat-up. Durability and superior heat transfer are accomplished with specially designed cores which use a magnesium oxide fill material, nickel chromium resistance wire, high-temperature corrosion resistant sheath materials, and a refined swaging process. Our hole clearance design guide allows for maximum heat transfer and energy efficiency in localized areas. These heaters can be used in applications up to 1600 °F (871 °C).

Choose from over 14,000 standard cartridge heater configurations or let us design a unique heater for your special application.

Standard Construction



UL US
Available upon request

CE

RoHS

- | | |
|---|--|
| <p>1 TIG-welded end disc – To prevent contamination and moisture absorption.</p> <p>2 304 stainless steel sheath – For oxidation resistance in a wide variety of environments.</p> <p>3 High-purity magnesium oxide fill – For maximum dielectric strength and thermal conductivity. Highly compacted for maximum heat transfer.</p> | <p>4 Nickel-chromium resistance wire – Evenly wound for even heat distribution and maximum heater life.</p> <p>5 High-impact ceramic cap – Reduces contamination and is suitable for high vibration applications. Deep holes in cap prevent fraying of leads when bent.</p> <p>6 High-temperature lead wires – Maximum exposure up to 1022 °F (550 °C).</p> |
|---|--|

Customize Your Cartridge Heater

Voltage: Up to 480 VAC, Dual 120/240 or 240/480; Single or 3-phase

Power Density: Up to 300 W/in² (46.5 W/cm²)

Sheath Material: 304 SS, 316 SS, incoloy

End-Piece Seals: Ceramic, lava, mica

Lead Termination: Swaged-in, crimped-on, straight pin (posts)

Lead Wire Options: Duraflex®, Teflon™, silicone, SJO cord

Potting: Cement, epoxy, RTV, epoxy over RTV

Lead Protection: Braid, flexible conduit, convoluted hose, sleeving, right angles, strain relief

Fittings: Brass or SS single NPT, brass or SS double NPT, flange, mechanical stop

Special Construction: Grounded, spring guards, distributive wattage, internal thermocouple, bent



Fiberglass Leads



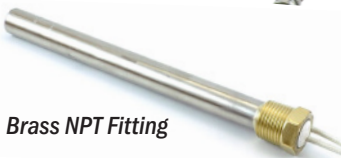
SS Braid



Right-Angle SS Braid



Right-Angle SS Conduit



Brass NPT Fitting



Flange



Square Heater

Contact briskheat today for available stock or custom quote.

CARTRIDGE HEATERS

Features & Benefits

- ▶ Choice of sheath materials for high-temperature or corrosive applications
- ▶ High-watt density provides rapid heat-up
- ▶ Distributed wattage puts more power where needed
- ▶ Available with integrated thermocouple
- ▶ Diameters with custom lengths
- ▶ Over 14,000 standard configurations in stock
- ▶ Metric sizes (mm): 6, 6.5, 8, 10, 12, 12.5, 13, 14, 16, 17, 19, 20, 25

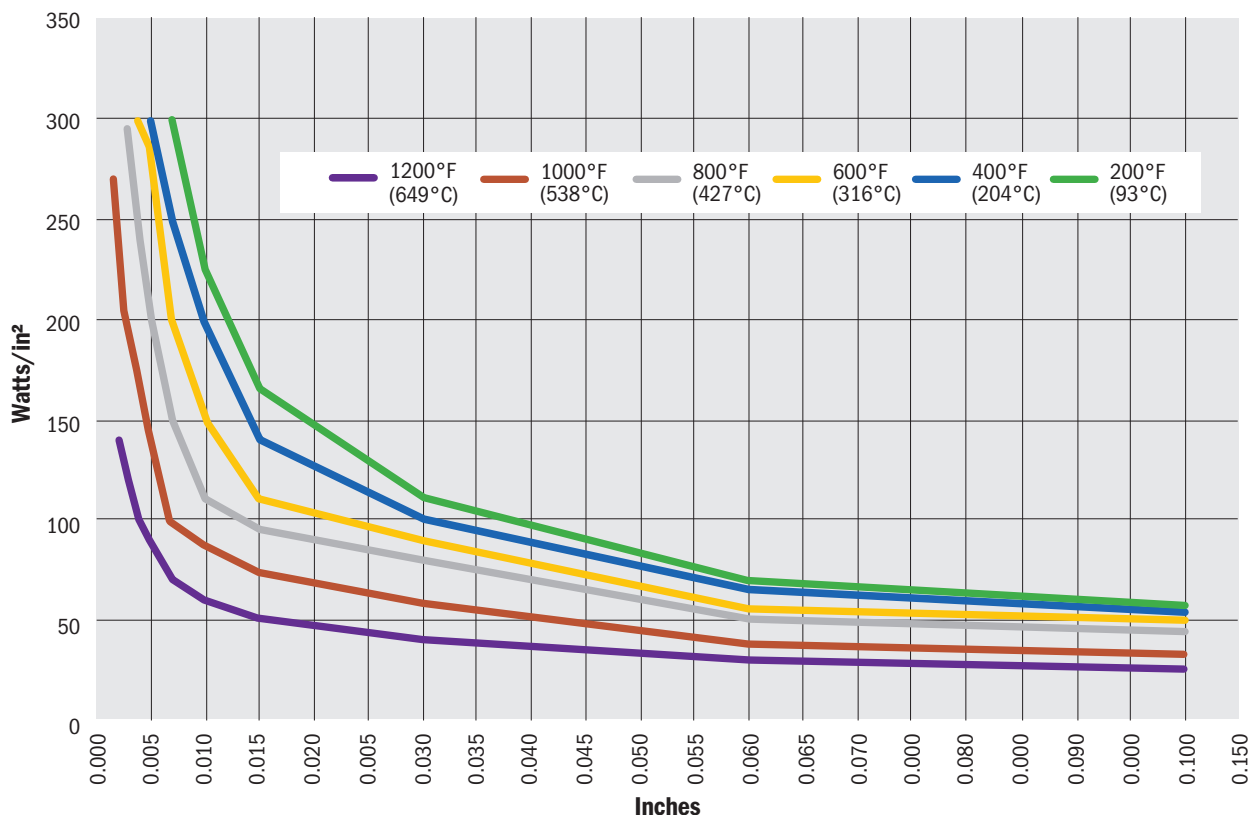
Ideal for

- Injection molding
- Package sealers
- Glue/adhesive melting
- Medical equipment
- 3D printers
- Mass spectrometry
- Compressors
- Platen/die heating
- Food services
- Life sciences
- Semiconductor manufacturing

Standard Specifications

Nominal Diameter	Minimum Diameter in (mm)	Maximum Diameter in (mm)	Std. Lead Wire Gauge	Max Amps w/ Std. Leads	Max Lead Wire Gauge	Maximum Amps	Maximum Volts
1/8 in	0.119 (3.02)	0.124 (3.05)	24	3.6	24	3.6	240
1/4 in	0.224 (6.20)	0.249 (6.32)	24	6	22	9	300
6.5 mm	0.25 (6.35)	0.255 (6.48)	24	6	22	9	300
5/16 in	0.306 (7.77)	0.311 (7.90)	24	6	22	9	300
8 mm	0.309 (7.85)	0.314 (7.98)	24	6	22	9	300
3/8 in	0.369 (9.37)	0.374 (9.50)	22	9	18	15	480
10 mm	0.388 (9.86)	0.398 (9.98)	22	9	18	15	480
12 mm	0.466 (11.84)	0.471 (11.96)	22	9	18	15	480
12.5 mm	0.486 (12.34)	0.491 (12.47)	22	9	18	15	480
1/2 in	0.494 (12.55)	0.499 (12.67)	22	9	18	15	480
13 mm	0.506 (12.85)	0.511 (12.98)	22	9	18	15	480
17/32 in	0.525 (13.34)	0.53 (13.46)	22	9	18	15	480
14 mm	0.545 (13.84)	0.55 (13.97)	18	15	14	26	480
5/8 in	0.619 (15.72)	0.624 (15.85)	18	15	14	26	480
16 mm	0.624 (15.85)	0.629 (15.98)	18	15	14	26	480
17mm	0.663 (16.84)	0.668 (16.97)	18	15	14	26	480
11/16 in	0.682 (17.32)	0.687 (17.45)	18	15	14	26	480
19 mm	0.742 (18.85)	0.747 (18.97)	18	15	14	26	480
3/4 in	0.744 (18.90)	0.749 (19.02)	18	15	14	26	480
25 mm	0.978 (24.84)	0.983 (24.97)	18	15	14	26	480
1 in	0.994 (25.25)	0.999 (25.37)	18	15	14	26	480

Maximum Watt Density with Temperature and Total Hole Clearance (inches)



CARTRIDGE HEATERS

Ordering Information

Standard Construction: 10 in (254 mm) Duraflex® Leads, 304 SS sheath

1/4 in Diameter

Heater Length in (mm)	Volts	Watts	Part No.
1 (25)	120	55	HR25010H
1 (25)	120	100	HR25010J
1 (25)	240	100	HR25010K
1 (25)	120	150	HR25010L
1.25 (32)	120	100	HR25012F
1.25 (32)	120	150	HR25012G
1.25 (32)	240	150	HR25012H
1.25 (32)	120	75	HR25012T
1.5 (38)	240	150	HR25015AU
1.5 (38)	120	100	HR25015K
1.5 (38)	120	150	HR25015L
1.5 (38)	120	200	HR25015M
1.5 (38)	240	200	HR25015N
2 (50)	120	40	HR25020AX
2 (50)	240	40	HR25020AY
2 (50)	120	100	HR25020N
2 (50)	120	150	HR25020P
2 (50)	240	150	HR25020Q
2 (50)	120	200	HR25020R
2 (50)	240	200	HR25020S
2 (50)	120	250	HR25020T
2 (50)	240	250	HR25020U
2.5 (64)	120	200	HR25025E
2.5 (64)	240	200	HR25025H
3 (76)	240	250	HR25030AM
3 (76)	120	75	HR25030AR
3 (76)	240	75	HR25030AS
3 (76)	120	200	HR25030H
3 (76)	240	200	HR25030J
3 (76)	120	300	HR25030K
3 (76)	240	300	HR25030L
4 (102)	240	100	HR25040AQ
4 (102)	240	375	HR25040AR
4 (102)	120	100	HR25040J
4 (102)	120	200	HR25040K
4 (102)	240	200	HR25040L
4 (102)	120	300	HR25040M
4 (102)	240	300	HR25040N
5 (127)	120	300	HR25050AF
5 (127)	240	450	HR25050AP
5 (127)	120	350	HR25050P
5 (127)	240	350	HR25050Q
6 (152)	120	150	HR25060AC
6 (152)	240	150	HR25060AD
6 (152)	120	400	HR25060R
6 (152)	240	400	HR25060S

5/16 in Diameter

Heater Length in (mm)	Volts	Watts	Part No.
2 (50)	120	100	HR31020E
2 (50)	240	100	HR31020F
2 (50)	240	300	HR31020G
3 (76)	120	300	HR31030D
3 (76)	240	300	HR31030E
4 (102)	120	300	HR31040A
4 (102)	240	300	HR31040B
5 (127)	120	300	HR31050F
5 (127)	240	300	HR31050G

3/8 in Diameter

Heater Length in (mm)	Volts	Watts	Part No.
1 (25)	240	100	HR37010M
1.25 (32)	240	100	HR37012J
1.25 (32)	120	100	HR37012K
1.25 (32)	120	150	HR37012L
1.25 (32)	240	150	HR37012M
1.5 (38)	120	50	HR37015L
1.5 (38)	240	100	HR37015M
1.5 (38)	120	100	HR37015N
1.5 (38)	120	150	HR37015P
1.5 (38)	240	150	HR37015Q
1.5 (38)	120	200	HR37015R
1.5 (38)	240	200	HR37015S
1.5 (38)	120	250	HR37015X
1.5 (38)	240	250	HR37015Y
1.75 (44)	240	100	HR37017E
1.75 (44)	120	200	HR37017F
1.75 (44)	240	200	HR37017G
2 (50)	120	75	HR37020BF
2 (50)	240	75	HR37020BG
2 (50)	120	50	HR37020L
2 (50)	120	150	HR37020M
2 (50)	240	150	HR37020N
2 (50)	120	250	HR37020P
2 (50)	120	100	HR37020Q
2 (50)	240	100	HR37020R
2 (50)	120	200	HR37020S
2 (50)	240	200	HR37020T
2 (50)	240	250	HR37020U
2 (50)	120	300	HR37020V
2 (50)	240	300	HR37020W
2.25 (57)	120	125	HR37022E
2.25 (57)	120	175	HR37022F
2.25 (57)	120	300	HR37022G
2.25 (57)	240	300	HR37022H
2.50 (64)	120	250	HR37025J
2.50 (64)	240	250	HR37025K
2.50 (64)	240	155	HR37025Z

3/8 in Diameter (continued)

Heater Length in (mm)	Volts	Watts	Part No.
1 (25)	240	100	HR37010M
1.25 (32)	240	100	HR37012J
1.25 (32)	120	100	HR37012K
1.25 (32)	120	150	HR37012L
1.25 (32)	240	150	HR37012M
1.5 (38)	120	50	HR37015L
1.5 (38)	240	100	HR37015M
1.5 (38)	120	100	HR37015N
1.5 (38)	120	150	HR37015P
1.5 (38)	240	150	HR37015Q
1.5 (38)	120	200	HR37015R
1.5 (38)	240	200	HR37015S
1.5 (38)	120	250	HR37015X
1.5 (38)	240	250	HR37015Y
1.75 (44)	240	100	HR37017E
1.75 (44)	120	200	HR37017F
1.75 (44)	240	200	HR37017G
2 (50)	120	75	HR37020BF
2 (50)	240	75	HR37020BG
2 (50)	120	50	HR37020L
2 (50)	120	150	HR37020M
2 (50)	240	150	HR37020N
2 (50)	120	250	HR37020P
2 (50)	120	100	HR37020Q
2 (50)	240	100	HR37020R
2 (50)	120	200	HR37020S
2 (50)	240	200	HR37020T
2 (50)	240	250	HR37020U
2 (50)	120	300	HR37020V
2 (50)	240	300	HR37020W
2.25 (57)	120	125	HR37022E
2.25 (57)	120	175	HR37022F
2.25 (57)	120	300	HR37022G
2.25 (57)	240	300	HR37022H
2.50 (64)	120	250	HR37025J
2.50 (64)	240	250	HR37025K
2.50 (64)	240	155	HR37025Z
3 (76)	240	250	HR37030AA
3 (76)	120	300	HR37030AB
3 (76)	240	300	HR37030AC
3 (76)	120	400	HR37030AD
3 (76)	240	400	HR37030AE
3 (76)	120	200	HR37030AF
3 (76)	240	500	HR37030AG
3 (76)	120	150	HR37030AV
3 (76)	240	350	HR37030BM
3 (76)	120	100	HR37030U
3 (76)	240	100	HR37030V
3 (76)	120	500	HR37030W
3 (76)	240	200	HR37030Y

3/8 in Diameter (continued)

Heater Length in (mm)	Volts	Watts	Part No.
3 (76)	120	250	HR37030Z
3.5 (89)	120	300	HR37035F
3.5 (89)	240	300	HR37035G
3.5 (89)	240	500	HR37035T
4 (102)	240	250	HR37040AA
4 (102)	120	300	HR37040AB
4 (102)	240	300	HR37040AC
4 (102)	120	400	HR37040AD
4 (102)	240	400	HR37040AE
4 (102)	240	500	HR37040AF
4 (102)	240	350	HR37040BH
4 (102)	240	600	HR37040BJ
4 (102)	240	150	HR37040W
4 (102)	120	500	HR37040X
4 (102)	120	150	HR37040Y
4 (102)	120	250	HR37040Z
4.5 (114)	120	300	HR37045E
4.5 (114)	240	300	HR37045F
4.5 (114)	240	500	HR37045G
5 (127)	240	750	HR37050AA
5 (127)	240	1000	HR37050AB
5 (127)	240	400	HR37050BB
5 (127)	120	185	HR37050BN
5 (127)	240	185	HR37050BP
5 (127)	240	550	HR37050BQ
5 (127)	120	300	HR37050U
5 (127)	120	150	HR37050V
5 (127)	240	150	HR37050W
5 (127)	240	300	HR37050X
5 (127)	120	500	HR37050Y
5 (127)	240	500	HR37050Z
5.5 (127)	240	300	HR37055J
6 (152)	240	500	HR37060AA
6 (152)	240	750	HR37060AB
6 (152)	240	400	HR37060AQ
6 (152)	120	400	HR37060AR
6 (152)	120	225	HR37060BL
6 (152)	240	225	HR37060BM
6 (152)	120	250	HR37060R
6 (152)	240	250	HR37060S
6 (152)	120	600	HR37060T
6 (152)	240	600	HR37060U
6 (152)	120	500	HR37060Z
7 (152)	240	1000	HR37070G
7 (152)	240	300	HR37070R
8 (203)	240	600	HR37080AA
8 (203)	240	1000	HR37080AB
8 (203)	120	300	HR37080AP
8 (203)	240	300	HR37080Y
8 (203)	120	600	HR37080Z
9 (229)	240	1000	HR37090F
10 (254)	120	600	HR37100H
10 (254)	240	600	HR37100J
10 (254)	240	1000	HR37100K
12 (304)	240	750	HR37120L
12 (304)	240	1000	HR37120M

0.39 in Diameter

Heater Length in (mm)	Volts	Watts	Part No.
1.97 (50)	240	250	HR39019A
3.15 (80)	240	300	HR39031B
3.94 (100)	120	350	HR39039F
3.94 (100)	240	350	HR39039G
3.94 (100)	240	500	HR39039H
4.72 (120)	240	500	HR39047C
5.91 (150)	240	500	HR39059C
6.89 (175)	240	175	HR39068B
7.87 (200)	240	350	HR39078A
7.87 (200)	240	750	HR39078B

1/2 in Diameter

Heater Length in (mm)	Volts	Watts	Part No.
1 (25)	120	50	HR50010C
1.25 (32)	120	125	HR50012F
1.25 (32)	240	125	HR50012G
1.25 (32)	240	150	HR50012H
1.5 (38)	120	200	HR50015D
1.5 (38)	240	200	HR50015E
2 (50)	240	75	HR50020AA
2 (50)	240	250	HR50020AB
2 (50)	120	200	HR50020G
2 (50)	240	200	HR50020H
2 (50)	240	300	HR50020J
2 (50)	120	300	HR50020K
2 (50)	120	400	HR50020U
2 (50)	240	400	HR50020V
2 (50)	120	75	HR50020Z
2.25 (57)	120	250	HR50022C
2.25 (57)	240	250	HR50022D
2.5 (64)	240	500	HR50025AA
2.5 (64)	120	300	HR50025L
2.5 (64)	240	300	HR50025M
2.5 (64)	120	400	HR50025N
2.5 (64)	240	400	HR50025P
3 (76)	120	250	HR50030AE
3 (76)	120	150	HR50030AP
3 (76)	240	150	HR50030AQ
3 (76)	240	250	HR50030R
3 (76)	120	300	HR50030S
3 (76)	240	300	HR50030T
3 (76)	120	400	HR50030U
3 (76)	240	400	HR50030V
3 (76)	240	500	HR50030W
3.5 (89)	120	500	HR50035E
3.5 (89)	240	500	HR50035F
4 (102)	240	250	HR50040AA
4 (102)	120	300	HR50040AB
4 (102)	240	350	HR50040AS
4 (102)	120	180	HR50040AX
4 (102)	240	180	HR50040AY
4 (102)	120	500	HR50040T
4 (102)	240	300	HR50040V

1/2 in Diameter (continued)

Heater Length in (mm)	Volts	Watts	Part No.
4 (102)	120	400	HR50040W
4 (102)	240	400	HR50040X
4 (102)	240	500	HR50040Y
4 (102)	240	750	HR50040Z
4.5 (114)	120	500	HR50045F
4.5 (114)	240	500	HR50045G
5 (127)	240	300	HR50050AG
5 (127)	120	350	HR50050AH
5 (127)	240	350	HR50050AJ
5 (127)	240	800	HR50050AZ
5 (127)	120	200	HR50050M
5 (127)	240	200	HR50050N
5 (127)	120	500	HR50050P
5 (127)	240	500	HR50050R
5 (127)	240	750	HR50050S
5 (127)	240	1000	HR50050T
5.5 (140)	240	750	HR50055E
6 (152)	240	1500	HR50060AZ
6 (152)	240	1000	HR50060BZ
6 (152)	120	750	HR50060R
6 (152)	120	1000	HR50060S
6 (152)	120	300	HR50060V
6 (152)	240	300	HR50060W
6 (152)	240	500	HR50060X
6 (152)	240	750	HR50060Z
6.5 (152)	120	1000	HR50065F
7 (178)	120	600	HR50070F
7 (178)	240	600	HR50070G
7 (178)	240	1000	HR50070H
7 (178)	240	500	HR50070R
8 (203)	240	1500	HR50080AA
8 (203)	120	400	HR50080BN
8 (203)	240	400	HR50080BP
8 (203)	240	1200	HR50080BR
8 (203)	120	500	HR50080U
8 (203)	120	750	HR50080V
3 (76)	120	400	HR50030U
3 (76)	240	400	HR50030V
3 (76)	240	500	HR50030W
3.5 (89)	120	500	HR50035E
3.5 (89)	240	500	HR50035F
4 (102)	240	250	HR50040AA
4 (102)	120	300	HR50040AB
4 (102)	240	350	HR50040AS
4 (102)	120	180	HR50040AX
4 (102)	240	180	HR50040AY
8 (203)	240	750	HR50080W
8 (203)	120	1000	HR50080X
8 (203)	240	500	HR50080Y
8 (203)	240	1000	HR50080Z
9 (229)	240	500	HR50090G
9 (229)	240	1000	HR50090H
10 (254)	120	500	HR50100K
10 (254)	240	500	HR50100M

1/2 in Diameter (continued)

Heater Length in (mm)	Volts	Watts	Part No.
10 (254)	240	2000	HR50100N
10 (254)	120	1000	HR50100P
10 (254)	240	1000	HR50100Q
10 (254)	240	1500	HR50100R
12 (254)	120	600	HR50120AF
12 (254)	240	600	HR50120AG
12 (305)	120	500	HR50040T
12 (305)	120	1000	HR50120K
12 (305)	240	1000	HR50120L
12 (305)	240	1500	HR50120M
12 (305)	240	2000	HR50120N
14 (356)	240	1000	HR50140C
15 (356)	240	1000	HR50150K
15 (356)	240	1500	HR50150L
16 (406)	240	1000	HR50160N
16 (406)	120	800	HR50160T
16 (406)	240	800	HR50160U

5/8 in Diameter

Heater Length in (mm)	Volts	Watts	Part No.
1.5 (38)	120	200	HR62015A
2 (51)	120	200	HR62020C
2 (51)	240	200	HR62020D
2 (51)	120	100	HR62020F
2 (51)	240	100	HR62020G
2 (51)	240	300	HR62020H
2.5 (64)	120	250	HR62022A
2.25 (57)	240	250	HR62022B
3 (76)	120	250	HR62030E
3 (76)	240	250	HR62030F
3 (76)	120	400	HR62030G
3 (76)	240	400	HR62030J
3 (76)	120	500	HR62030K
3 (76)	240	500	HR62030L
3 (76)	120	200	HR62030R
3 (76)	240	200	HR62030S
3.75 (95)	120	525	HR62037B
3.75 (95)	240	525	HR62037C
4 (102)	120	250	HR62040AH
4 (102)	240	250	HR62040AJ
4 (102)	240	700	HR62040AK
4 (102)	120	500	HR62040E
4 (102)	240	500	HR62040F
4 (102)	240	1000	HR62040G
4 (102)	240	750	HR62040H
5 (127)	120	500	HR62050G
5 (127)	240	500	HR62050H
5 (127)	240	750	HR62050J
5 (127)	240	1000	HR62050K
5 (127)	120	300	HR62050V
5 (127)	240	300	HR62050W
5.37 (136)	240	800	HR62053A
6 (152)	240	500	HR62060H

5/8 in Diameter (continued)

Heater Length in (mm)	Volts	Watts	Part No.
6 (152)	240	750	HR62060J
6 (152)	240	1000	HR62060K
6 (152)	120	375	HR62060W
6 (152)	240	375	HR62060X
7 (178)	120	1000	HR62070D
7 (178)	240	1500	HR62070E
7 (178)	240	1000	HR62070F
8 (203)	120	500	HR62080AB
8 (203)	240	500	HR62080AC
8 (203)	240	1200	HR62080AE
8 (203)	240	1000	HR62080H
8 (203)	120	1000	HR62080J
8 (203)	240	1500	HR62080K
9 (229)	240	1000	HR62090B
9 (229)	240	1500	HR62090C
9 (229)	240	1400	HR62090L
10 (254)	240	2000	HR62100E
10 (254)	240	1000	HR62100F
10 (254)	240	1500	HR62100G
10 (254)	120	650	HR62100S
10 (254)	240	650	HR62100T
12 (305)	240	1500	HR62120C
12 (305)	240	2000	HR62120D
12 (305)	240	1000	HR62120E
12 (305)	120	775	HR62120Q
12 (305)	240	775	HR62120R
14 (356)	240	1500	HR62140G
14 (356)	240	2400	HR62140H
14 (356)	240	900	HR62140M
14 (356)	240	2000	HR62140P
16 (406)	240	1000	HR62160N
16 (406)	240	2110	HR62160P
16 (406)	120	1050	HR62160V
16 (406)	240	1050	HR62160W
24 (610)	240	1000	HR62240G
24 (610)	240	1500	HR62240H
24 (610)	240	2000	HR62240J

3/4 in Diameter

Heater Length in (mm)	Volts	Watts	Part No.
2 (50)	120	200	HR75020A
2 (50)	240	200	HR75020B
2 (50)	240	300	HR75020C
3 (76)	240	400	HR75030A
3 (76)	240	500	HR75030B
3 (76)	120	500	HR75030G
3 (76)	240	225	HR75030H
4 (102)	120	500	HR75040D
4 (102)	240	500	HR75040E
4 (102)	240	750	HR75040F
4 (102)	120	1000	HR75040G
4 (102)	120	300	HR75040T
4 (102)	240	300	HR75040U

3/4 in Diameter (continued)

Heater Length in (mm)	Volts	Watts	Part No.
5 (127)	240	500	HR75050E
5 (127)	240	1000	HR75050F
5 (127)	120	1000	HR75050G
5 (127)	120	375	HR75050L
5 (127)	240	375	HR75050M
6 (152)	120	500	HR75060C
6 (152)	240	750	HR75060D
6 (152)	240	1500	HR75060E
6 (152)	240	500	HR75060F
6 (152)	240	1000	HR75060G
6 (152)	120	450	HR75060N
6 (152)	240	450	HR75060P
6 (152)	240	1200	HR75060Q
7 (178)	120	500	HR75070A
7 (178)	240	500	HR75070B
7 (178)	240	1000	HR75070C
7 (178)	240	1500	HR75070D
8 (203)	120	750	HR75080G
8 (203)	240	750	HR75080H
8 (203)	240	1500	HR75080J
8 (203)	240	2000	HR75080K
8 (203)	240	1000	HR75080L
8 (203)	120	600	HR75080W
8 (203)	240	600	HR75080X
9 (229)	240	1800	HR75090D
10 (254)	240	1000	HR75100B
10 (254)	240	1500	HR75100C
10 (254)	240	2000	HR75100D
10 (254)	120	800	HR75100P
10 (254)	240	800	HR75100Q
10 (254)	240	1600	HR75100R
12 (254)	240	1000	HR75120C
12 (254)	240	1500	HR75120D
12 (254)	240	2000	HR75120E
12 (254)	120	950	HR75120R
12 (254)	240	950	HR75120S
14 (356)	240	1100	HR75140J
14 (356)	240	2200	HR75140K
16 (406)	240	1250	HR75160F
24 (610)	240	1000	HR75240L
24 (610)	240	1500	HR75240M
24 (610)	120	2000	HR75240N

25/32 in Diameter

Heater Length in (mm)	Volts	Watts	Part No.
7.87 (200)	240	1000	HR78078C
7.87 (200)	240	1500	HR78078F
15.75 (400)	240	3200	HR78157B