

Ceramic Heater Bands

Typical applications are plastic molding and extrusion. Ceramic heater bands are also used for pipe heating, heat treating, and autoclaves or any application where there is a need to apply heat to a cylindrical surface.



Ceramic Fiber Insulation:

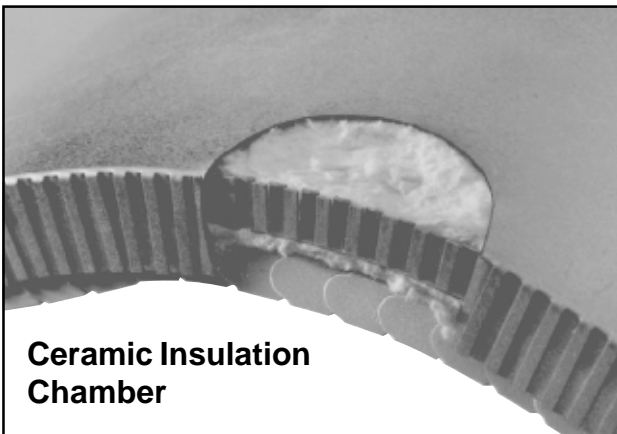
The standard insulation is 1/4" thick to improve energy conservation 25% and more over non-insulated heater bands. 1/2" double-thick insulation is optional.

Serrated Sheath:

Sheath material is resistant to heat and corrosion. Unique serrations maximize flexibility, increase surface contact and provide easy opening and installation of the heater, eliminating the necessity of two piece heater bands up to 18" in diameter.

Simplified Installation, Additional Energy Conservation:

Ceramic heater bands can be manufactured in widths much greater than what is practical in mica heater bands, eliminating heat losses between gaps in narrow heater bands and simplifying installation.



**Ceramic Insulation
Chamber**

Design Features:

- Energy efficient, less power consumption.
- High sheath temperature capability up to 1600° F.
- Thermally insulated.
- Uniform temperature.
- Flexible, easy to install and remove.
- Elongation compensation with spring loaded screw. (over 18" diameter)

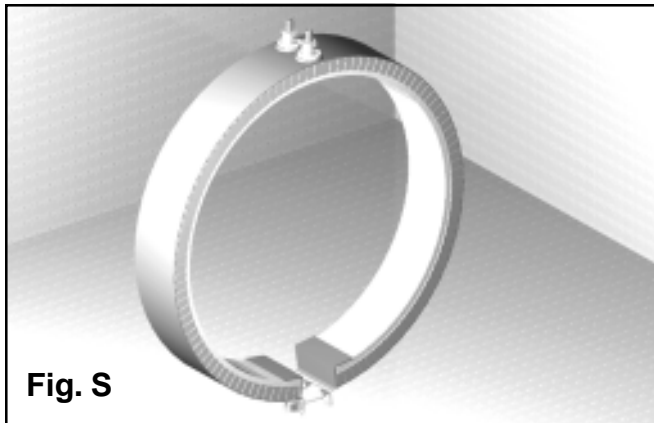


Fig. S

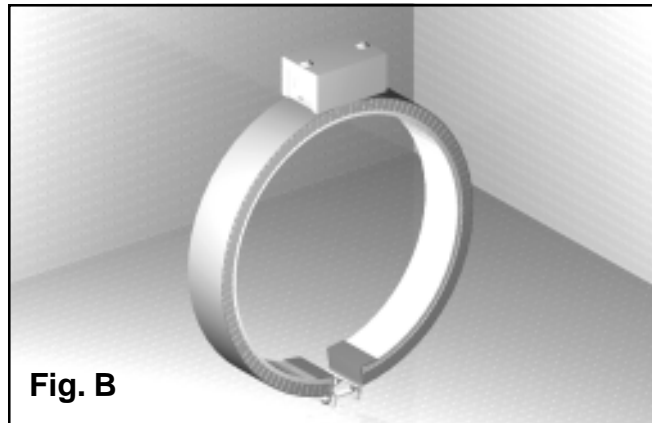


Fig. B

Screw Terminals and Box Protection:

1/4-20 x 1" threaded terminals are standard as in Fig. S or in terminal box as in Fig. B. Under 2" width, terminals are parallel to circumference. Over 2" width, terminals are perpendicular to the circumference. Standard position is 180° from gap.

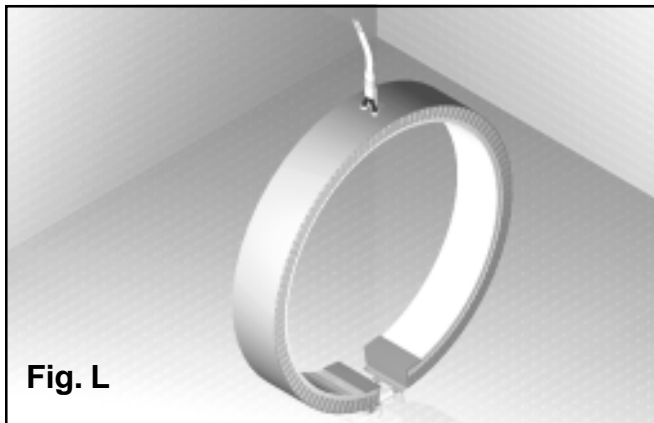


Fig. L



Fig. A

Braid or Conduit Protection:

To protect leads against abrasion, braided sleeve in Fig. L is held in place by a clip. Conduit in Fig. A is connected to stand off bracket. Standard position is 180° from gap. Standard length is 12" braid or armor hose with 14" leads.

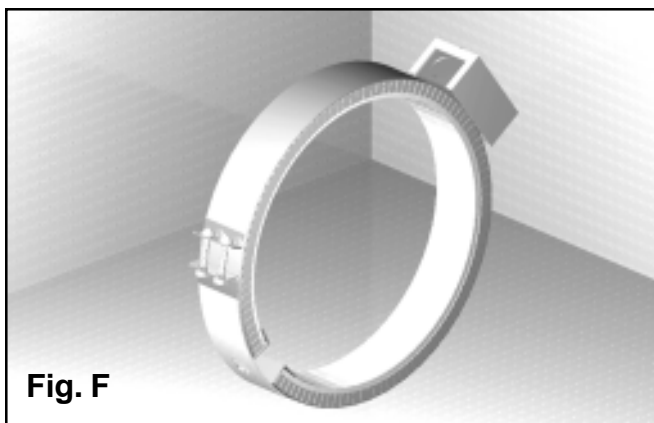


Fig. F

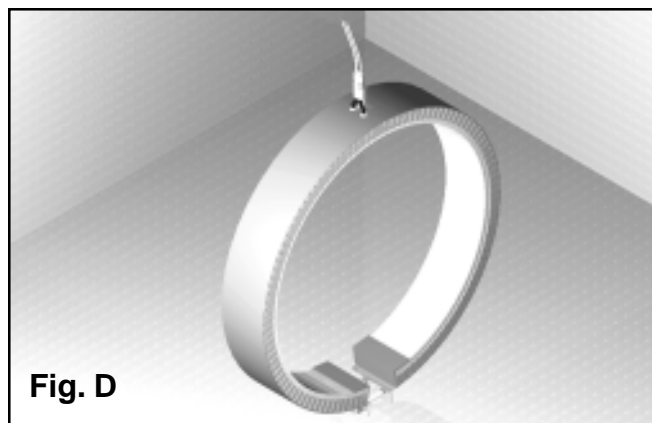


Fig. D

Overlap Flange:

For thermocouple probe holes located through the gap as per Fig. F. Holes and cut-outs also available.

Leads:

Fiberglass insulated lead wires held in place by a clip as per Fig. D. Standard position is 180° from gap.



Quick Disconnect Plug:

U.L. approved plugs can be attached with Bracket - Fig. P; Conduit - Fig. A and C; Braid - Fig. L. Ceramic Heater Bands can also be supplied with #110 European Plug.

Mounting Configurations

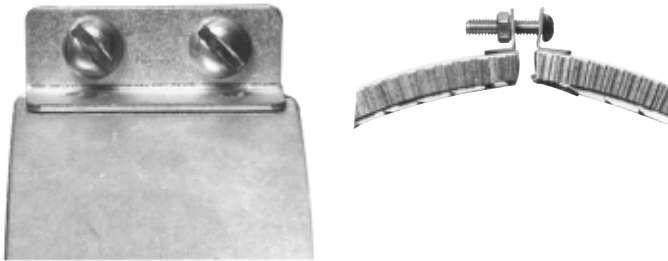


Fig. E: Standard mounting method on all configurations.

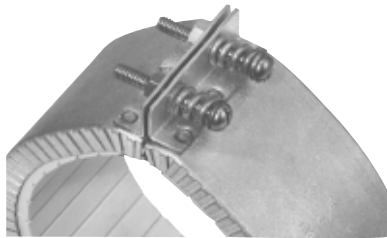


Fig. ES: Spring loaded screw is available to compensate for thermal expansion and contraction (over 18" diameter)



Fig. R: Quick Release Clamp Assembly with 1/4-20 bolt.

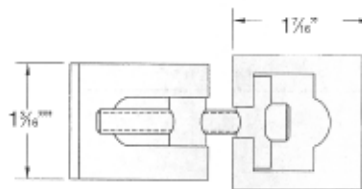


Fig. N: Quick Release Barrel Nut Assembly with 1/4-20 bolt.



Additional Variations

- Dual Voltage
- 3 phase
- Ground lead or terminal
- Stainless steel shroud
- Oversize gap
- Boxes fitted with hose or braid
- Perforated shroud without insulation
- #110 European Plug
- Partial coverage
- Additional insulation

Ceramic Heater Bands

I.D.	Width	Wattage	Voltage	Fig. # 's	BMS Catalog Number	Price	
						1 - 11 Pcs.	12+
2-1/4	2-1/2	250	240	S	3400C	72.14	68.53
3	1-1/2	500	240	B	3401C	75.78	71.99
	2-1/2	1000	120	B	3402C	78.53	74.60
	5	2000	240/480	B	3403C	117.87	111.98
3-1/2	1-1/2	600	240	B	3404C	77.18	73.32
	3	1400	240	S	3405C	63.21	60.05
	4	1200	240	B	3406C	96.92	92.07
	6	1000	240	S	3407C	91.77	87.18
3-5/8	1-1/2	625	240	S	3408C	58.59	55.66
4	1-1/2	625	240	S	3409C	58.59	55.66
	3	1500	240	B	3410C	85.73	81.44
4-1/2	2-1/2	1200	240/480	B	3411C	99.32	94.35
	2-1/2	1800	480	B	1102C	77.02	73.17
	4	2000	240	B	3412C	107.38	102.01
	6	3500	480	B	1103C	117.92	112.02
5	2	1000	240	B	3413C	82.13	78.02
	2-1/2	1800	240/480	B	1104C	101.89	96.80
	4	2200	240	B	3414C	110.38	104.86
	6	4200	480	B	1217C	133.05	126.40
5-1/4	2	750	240	B	3415C	84.37	80.15
	2-1/2	1300	240	S	3416C	68.78	65.34
	2-1/2	1800	240/480	B	3417C	95.66	90.88
	5	4200	240/480	B	3418C	142.38	135.26
5-1/2	2-1/2	1800	240	B	3419C	89.46	84.99
	4	1500	230/460	B, F	3420C	147.08	139.73
	5	1200	240	B	3421C	133.20	126.54
	5	2000	230/460	B, F	1107C	163.80	155.61
	8	3500	480	B	3422C	174.75	166.01
6	1-1/2	1000	240	B	3423C	86.60	82.27
	3	1300	480	B, N	3424C	119.10	113.15
	3	1700	230/460	B	1109C	114.47	108.75
	3-1/2	2000	240	S	3425C	96.81	91.97
	4	2200	480	B	3426C	122.13	116.02
	5	2000	240/480	S	3427C	151.52	143.94
	5	4200	480	B	1218C	139.01	132.91
	5-1/2	2000	230/460	B, F	1111C	180.83	171.79
	5-1/2	2000	240/480	B	1110C	165.53	157.25
	5-1/2	2200	480	B	3428C	1550.23	142.72
	6	2000	230/460	B, F	1112C	180.83	171.79
	6	4320	240	S	3429C	133.67	126.99
6-1/2	1-1/2	1000	240	B	1114C	89.60	85.12
	2	1600	240	B	3460C	89.60	85.12

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I.D.	Width	Wattage	Voltage	Fig. # 's	BMS Catalog Number	Price	
						1 - 11 Pcs.	12+
6-1/2	3	2000	240	B	3431C	104.40	99.18
	4-1/2	2700	240/480	B, N	3432C	189.22	179.76
	5-1/2	2400	480	B	3433C	159.07	151.12
6-3/4	2	1250	240	S	3434C	74.66	70.93
	2	1600	240	S	3435C	74.66	70.93
	4-1/2	2600	240/480	B	1116C	158.94	150.99
7	1-1/2	1100	240	B	3436C	93.47	88.80
	3	1650	240/480	B	3437C	124.59	118.36
	4	3600	480	B	3438C	134.68	127.95
7-1/2	1-1/2	1200	240	B	3439C	97.82	92.93
	4-1/2	2000	240/480	B, F	1119C	181.31	172.24
	4-1/2	3750	240/480	S, F	3440C	158.97	151.02
	5-1/2	2500	480	B	1120C	178.00	169.10
	6	5000	240/480	S	3441C	179.76	170.77
	6-1/2	2600	480	B	1121C	198.51	188.58
	7	2600	240/480	B	3442C	213.81	203.12
7-3/4	2	1500	240	B	3443C	101.96	96.86
8	1-1/2	800	240/480	B	3444C	117.26	111.40
	3	1600	240	S	3445C	102.38	97.26
	6-1/2	2600	480	B, F	1123C	226.29	214.98
8-1/2	1-1/2	1350	240	B	3446C	106.30	100.99
	4	3600	240/480	B	3447C	171.23	162.67
9	1-1/2	1400	240/480	B	3448C	125.68	119.40
	5-1/2	3000	240/480	B	3449C	225.67	214.39
	5-1/2	3000	240/480	B, F	1125C	240.97	228.92
	6	5000	240/480	S	3450C	213.99	203.29
9-3/4	3	2600	480	S	3451C	125.37	119.10
10	2	1750	240	B, N	3452C	140.15	133.14
	5-1/2	2500	240	B	3453C	232.26	220.65
10-1/2	4	3200	240/480	S	3454C	190.26	180.75
11	2	3000	240/480	S	1127C	129.36	122.89
	5-1/2	4000	240/480	B, F	3455C	285.82	271.53
11-1/4	6	3600	230/460	A	1129C	361.20	343.14
11-1/2	4	3200	240/480	S	3456C	208.32	197.90
12	4	5200	240/480	S	3457C	217.25	206.39
	6	4000	230/460	B	1130C	331.17	314.61
	6	5000	230/460	B	1131C	294.62	279.89
13	1-1/2	2000	240/480	S	3461C	151.73	144.14
14-1/2	1-1/2	2000	240/480	B	3458C	186.91	177.56
15	4	6000	240/480	S, F	1133C	290.26	275.75
	6	8000	230/460	S, F	1134C	374.27	355.56
	6	8000	480	B	1135C	368.70	350.27
17-1/2	4	2600/Half	240/Half	B, 2 Pcs.	3459C	374.14	355.43