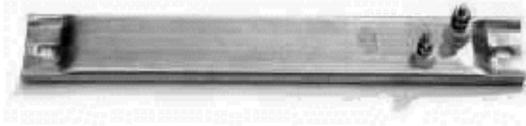


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Strip heaters: Ceramic Insulated



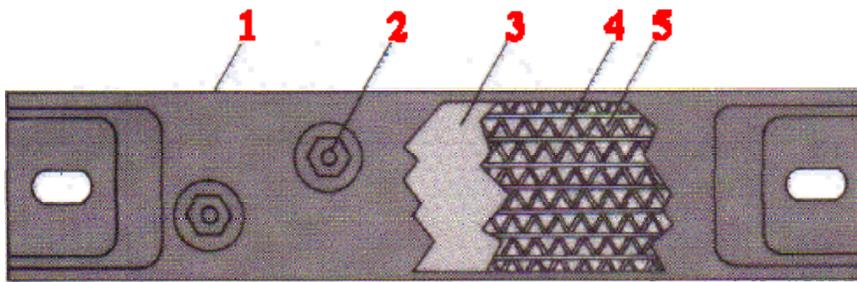
Applications

Dies, Molds, Plastic Forming and Sealing, Tank and Kettle Heating. For specific applications, correctly rated elements should be used to prevent overheating and to ensure long life. A guide to correct watt densities for specific applications is shown below.

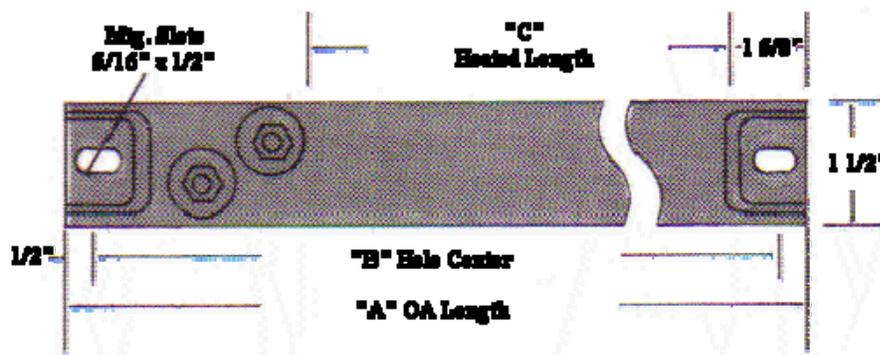
Features

- 1 The Electrolux Macedonia Stainless Steel Strip Heater provides clean, dependable heat with sheath temperatures up to 1200°F and watt densities up to 40 watts per square inch.
- 1 Because of the seamless stainless steel sheath, Electrolux Macedonia Ceramic Insulated Strip Heaters are dimensionally stable in milled slots.

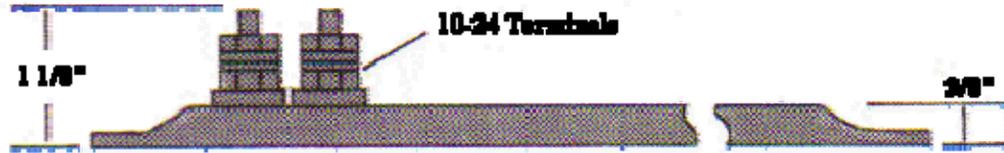
Construction



1. Seamless stainless steel sheath.
2. Post terminals.
3. Ceramic element support.
4. Element wire situated in close proximity to outside surface for maximum heat transfer and minimum internal temperature while preserving good dielectric qualities.
5. Magnesium oxide packing.



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Catalog Number	"A"	"B"	"C"	Min. Watts	Max. Watts
CS-5.5	5 1/2"	4 1/2"	1"	50	180
CS-7.5	7 1/2"	6 1/2"	3"	50	360
CS-8	8"	7"	2 3/4"	50	430
CS-9.5	9 1/2"	8 1/2"	4 1/4"	50	510
CS-10.5	10 1/2"	9 1/2"	5 1/4"	50	630
CS-12	12"	11"	7 1/4"	50	810
CS-14	14"	13"	9 1/4"	50	1050
CS-15.2	15 1/4"	14 1/4"	10"	50	1200
CS-16.2	16 1/4"	15 1/4"	11"	50	1320
CS-18	18"	17"	12 3/4"	50	1530
CS-19.5	19 1/2"	18 1/2"	14 1/4"	50	1710
CS-21	21"	20"	15 3/4"	50	1890
CS-23.7	23 3/4"	22 3/4"	18 1/2"	50	2220
CS-25.5	25 1/2"	24 1/2"	20 1/4"	50	2430
CS-26.7	26 3/4"	25 3/4"	21 1/2"	50	2580
CS-28.2	28 1/4"	27 1/4"	23"	75	2760
CS-30	30"	29"	24 3/4"	75	2970
CS-30.5	30 1/2"	29 1/2"	25 1/4"	75	3030
CS-33.5	33 1/2"	32 1/2"	28 1/4"	75	3390
CS-35.7	35 3/4"	34 3/4"	30 1/2"	75	3660
CS-38.5	38 1/2"	37 1/2"	33 1/4"	100	3990
CS-42.5	42 1/2"	41 1/2"	37 1/4"	100	4320
CS-47.7	47 3/4"	46 3/4"	42 1/2"	100	4320
CS-50.5	50 1/2"	49 1/4"	45 1/4"	100	4320
CS-53.7	53 3/4"	52 3/4"	48 1/2"	100	4320
CS-63.7	63 3/4"	62 3/4"	58 1/2"	100	4320

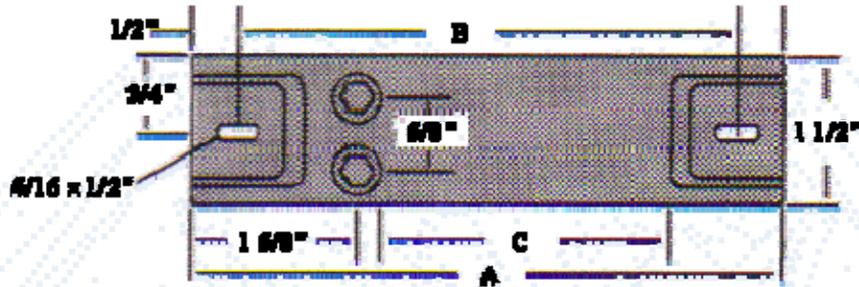
- 1 Maximum wattage limited by 18 amp maximum at 240 volts for catalog numbers CS-42.5 and longer. Any wattage is available between minimum and maximum without effecting price.
- 1 Unit lengths between and longer than those listed may be ordered.
- 1 Red catalog number denotes stock item. See stock section for specific ratings.

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- 1 Standard termination is Type OF. Units under 8" long, standard termination is Type SSA.

Standard Termination

Type OF: Offset at one end.



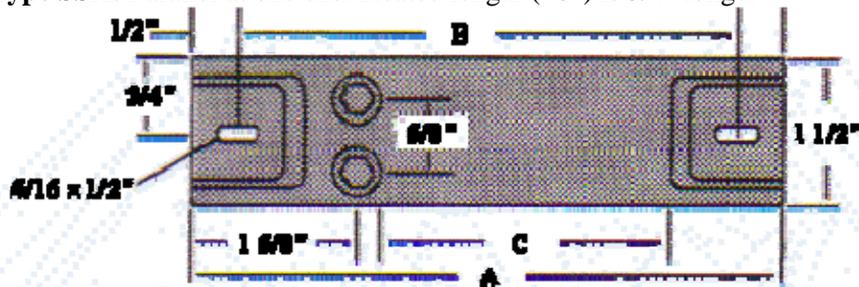
Application	Max. Watts/sq.in.
Water heating	40
Low viscosity liquid heating	16
Light oil heating	10 - 12.5
Heavy oil heating	6.25 - 10
Semi solid heating	5 - 6.25
Platen heating	
Up to 300°F	40
300° - 600°F	20
600° - 800°F	15

Formula for Determination of Watt Density

$$\text{Watts/sq.in.} = \frac{\text{Total unit wattage}}{C (\text{heated length}) \times 3}$$

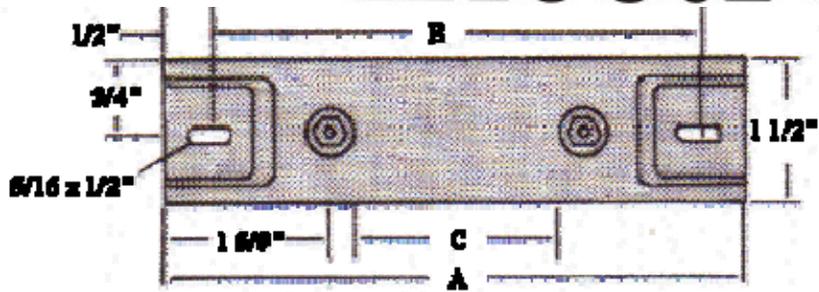
Optional Terminations

Type SSA: Parallel at one end. Heated length ("C") is 3/4" longer.

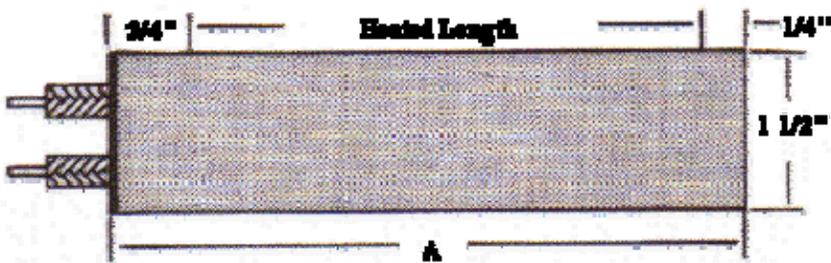


Type SO: One each end. Heated length ("C") is 1" shorter

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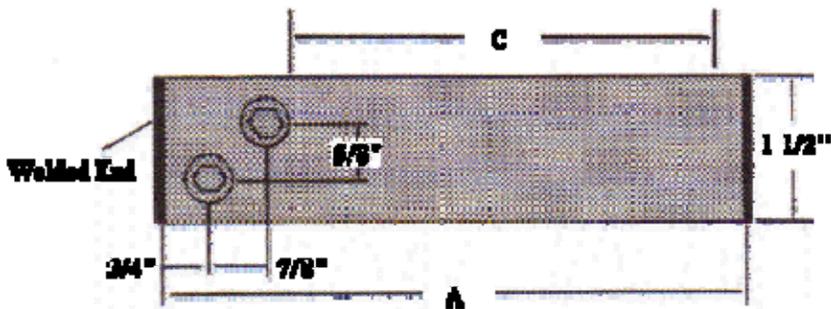


Type SF1: Flexible high temperature insulated leads. Specify length. Opposite end of unit may be standard closure with mounting hole or any of the optional closures. (Blunt end, XS54, shown) Suitable for use to 480V. Lead end may be sealed for moisture resistance.



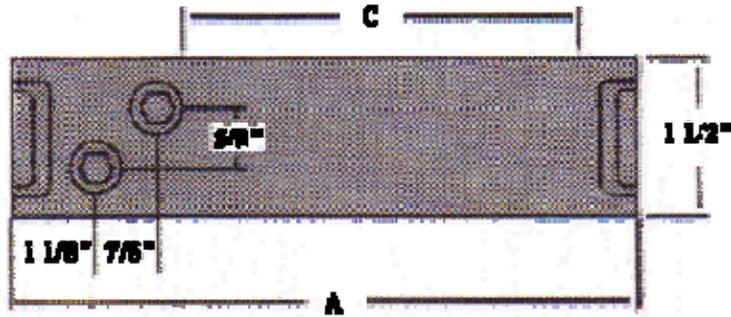
Optional End Closures

XS-54: Blunt end. Welded each end with no mounting holes. May be used with Type OF, SSA, or SO terminals. Heated length ("C") is 3" longer.

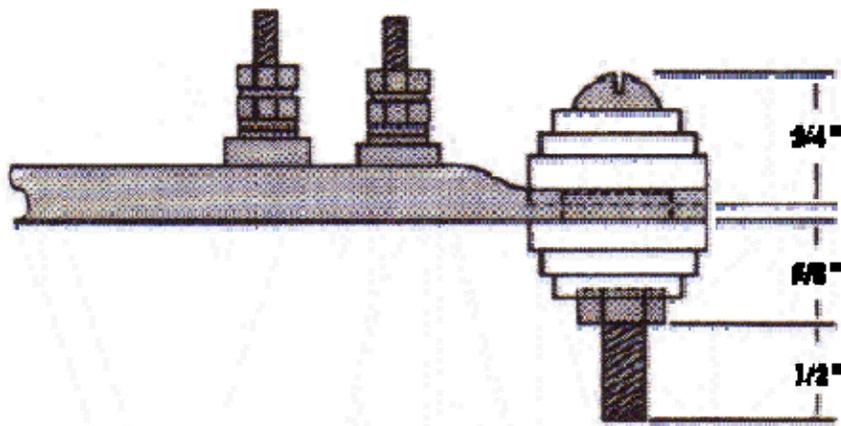


XS-83: Short crimp. At each end with no mounting holes. May be used with Type OF, SSA, or SO terminals. Heated length ("C") is 1" longer.

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XS-84: Secondary insulating bushings. Required when units are connected in series on voltages above 300V. Sheath must be isolated. Requires enlarged (1/2" x 3/4") mounting hole each end. May be used with OF, SSA, or SO terminals.



Tolerances

Width: 1.500, ± 0.010

Length: Up to 24", $\pm 1/16$ "

24" and over, $\pm 1/8$ "

Thickness: .375, ± 0.005

Wattage tolerances are held to +5%, -10% at rated voltage.

Voltage

Standard voltages are either 120V or 240V. Other voltages are available.