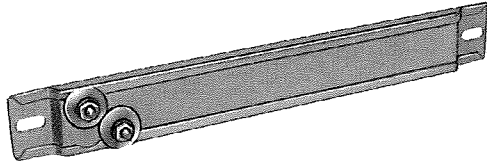


Strip & Finned Strip Heaters - SS

Type SS strip heaters have two offset bolt type terminals at one end. Table 1 lists heaters having aluminized steel sheath.



Aluminized Steel Sheath

The entire heater assembly is encased in an aluminized steel sheath and is compressed under high pressure. The sheath provides both corrosion resistance and an attractive appearance. Aluminized steel strip heaters are suitable for applications where the maximum sheath temperature does not exceed 538 °C (1000°F).

If higher temperatures are anticipated, use stainless steel heaters listed in Table 2.

Installation

Standard strip heaters listed are rated at 120 and 240 volts. A limited selection of 287V heaters is also tabled. All strip heaters can be used on voltages lower than listed for reduced wattage, and some designs can also be used on higher voltages - check factory.

Whenever voltage to ground exceeds 300V, secondary insulators must be used. See page A34.

To Order Specify

Quantity, catalog number, voltage, wattage and special features.

continued on next page...

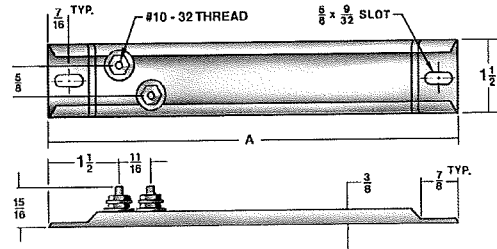


TABLE 1 - Type SS Strip Heaters - Terminals at One End/Aluminized Steel Sheath

| 'A' Dim. | In. | mm | Watts | In ² | cm ² | Caloritech™ Catalog No. | | | Chromalox Cat. No. | |
|----------|------|------|-------|-----------------|-----------------|-------------------------|--------|-----------|--------------------|--------|
| | | | | | | 120V | 240V | 287V | 120V | 240V |
| 5 1/2 | 140 | 140 | 125 | 15.7 | 2.4 | SS1001 | — | — | PT512 | — |
| 6 | 152 | 152 | 150 | 15.2 | 2.4 | SS1011 | SS1022 | — | PT615 | — |
| 7 1/4 | 184 | 184 | 100 | 8.2 | 1.3 | SS1031 | — | — | — | — |
| 7 1/4 | 184 | 184 | 150 | 12.3 | 1.9 | SS1041 | SS1052 | — | OT715 | OT715 |
| 8 | 203 | 203 | 150 | 10.0 | 1.6 | SS1061 | SS1072 | — | OT815 | OT815 |
| 8 | 203 | 203 | 175 | 11.7 | 1.8 | SS1081 | SS1092 | — | OT817 | OT817 |
| 10 1/2 | 267 | 267 | 250 | 10.3 | 1.6 | SS1101 | SS1112 | — | OT1025 | — |
| 11 3/4 | 298 | 298 | 250 | 8.6 | 1.3 | SS1141 | SS1152 | — | OT1225 | OT1225 |
| 14 | 356 | 356 | 300 | 8.0 | 1.2 | SS1181 | SS1192 | — | OT1430 | OT1430 |
| 15 | 381 | 381 | 325 | 7.9 | 1.2 | SS1201 | SS1212 | — | OT1532 | OT1532 |
| 17 3/4 | 451 | 451 | 350 | 6.8 | 1.1 | SS1221 | SS1232 | — | OT1835 | OT1835 |
| 17 3/4 | 451 | 451 | 375 | 7.3 | 1.1 | SS1241 | SS1252 | — | OT1837 | OT1837 |
| 17 3/4 | 451 | 451 | 500 | 9.7 | 1.5 | SS1261 | SS1272 | — | OT1850 | OT1850 |
| 17 3/4 | 451 | 451 | 250 | 4.8 | 0.7 | SS1281 | SS1292 | — | — | — |
| 19 1/2 | 495 | 495 | 350 | 6.0 | 0.9 | SS1301 | SS1312 | — | — | OT1935 |
| 19 1/2 | 495 | 495 | 500 | 8.6 | 1.3 | SS1321 | SS1332 | — | OT1950 | OT1950 |
| 21 | 533 | 533 | 500 | 7.8 | 1.2 | SS1341 | SS1352 | — | OT2150 | OT2150 |
| 23 1/2 | 597 | 597 | 500 | 6.8 | 1.1 | SS1361 | SS1372 | SS1386 | OT2450 | OT2450 |
| 23 1/2 | 597 | 597 | 750 | 10.3 | 1.6 | SS1391 | SS1402 | — | OT2475 | OT2475 |
| 25 1/2 | 648 | 648 | 500 | 6.2 | 1.0 | SS1421 | SS1432 | — | OT2550 | OT2550 |
| 25 1/2 | 648 | 648 | 750 | 9.3 | 1.4 | SS1441 | SS1452 | — | OT2575 | OT2575 |
| 26 3/4 | 679 | 679 | 700 | 8.2 | 1.3 | SS1461 | SS1472 | — | — | OT2670 |
| 30 1/4 | 768 | 768 | 750 | 7.6 | 1.2 | SS1481 | SS1492 | 2A830A706 | OT3075 | — |
| 33 1/2 | 851 | 851 | 750 | 6.8 | 1.1 | SS1511 | SS1522 | — | — | OT3375 |
| 35 3/4 | 908 | 908 | 1000 | 8.4 | 1.3 | SS1531 | SS1542 | 2A835A703 | OT3610 | OT3610 |
| 38 1/2 | 978 | 978 | 800 | 6.2 | 1.0 | SS1561 | SS1572 | — | — | — |
| 38 1/2 | 978 | 978 | 1000 | 7.7 | 1.2 | SS1581 | SS1592 | — | OT3810 | — |
| 42 1/4 | 1073 | 1073 | 1250 | 8.7 | 1.3 | SS1601 | SS1612 | — | — | — |
| 42 1/4 | 1073 | 1073 | 1500 | 10.5 | 1.6 | SS1621 | SS1632 | — | — | — |

SS



SPECIAL WATTAGE, VOLTAGE AND LENGTHS

Check factory if you require a custom designed heater.

LENGTHWISE BENDING

Consult factory if lengthwise bending is required.

FINNED STRIP HEATERS—TYPE FS

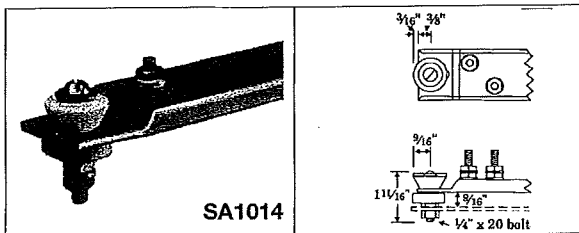
Type SS strip heaters (with offset terminals) can be supplied with fins on request. Also see page A34 for standard listings.

SECONDARY INSULATORS

Whenever the voltage to ground on the strip heater exceeds 300V secondary insulators must be used.

CAT. NO. SA1014

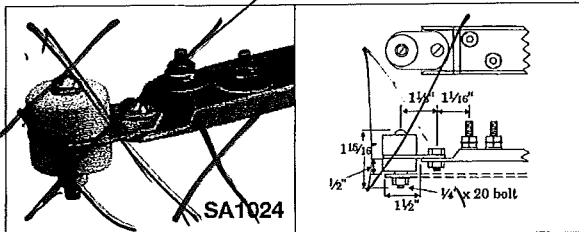
This insulator shown is for use where mounting space is limited to 1/2" longer than the strip heater. Strip heater mounting tabs must be factory punched to install insulator.



SA1014

CAT. NO. SA1024

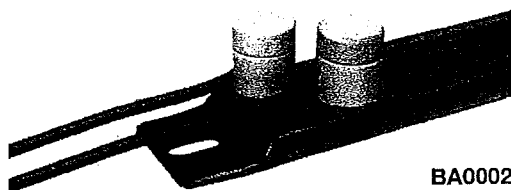
This secondary insulator is for use with stock strip heaters. The mounting space must be 3" longer than the strip heater.



SA1024

CERAMIC POST TERMINAL COVER (BA0002)

For heaters with standard 10-32 threaded terminals at both ends or with offset terminals at one end, these ceramic post terminal covers may be used with insulated wiring to provide protection against electrical shock.

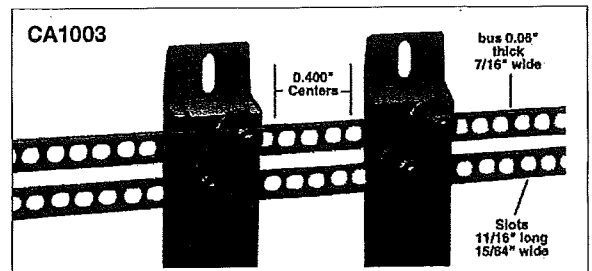


BA0002

BRASS BUS BAR - CAT. NO. CA1003

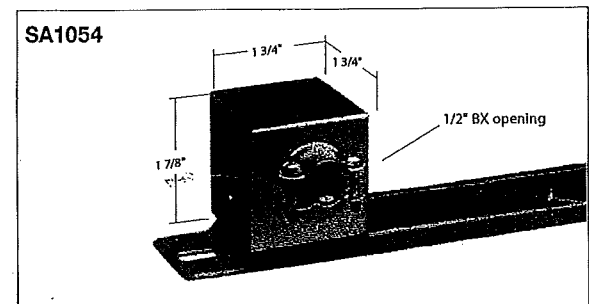
Perforated brass bus bar provides a sturdy conductor for connecting numerous strip heaters in series or parallel. Bus bars may be stacked for higher current-carrying capacities.

| AMBIENT TEMP (°F) | CURRENT CAPACITY (AMPS) | |
|-------------------|-------------------------|---------|
| | 1 BUS | 2 BUSES |
| 70 | 36 | 50 |
| 250 | 32 | 45 |
| 500 | 26 | 36 |
| 750 | 20 | 28 |



TERMINAL BOX—CAT. NO. SA1054

For type SS strip heaters the box is equipped with BX cable fitting and can be mounted in any of four directions.



SURFACE CLAMP—CAT. NO. SA1044

This heavy-gauge, nickel-plated steel clamp is used to mount strip heaters securely to broad surfaces such as tank walls, platens, dies. Threaded 3/8" diameter studs must be first welded, brazed or threaded into the work surfaces.

