# ORDERING INFORMATION

## PART NUMBER FORMAT:

**Example:**

| Stock Item | | Unique Part No. | | Finish I.D. |
|---|---|---|---|---|
| 0 0 9 7 | — | 0 5 2 0 | — | 0 2 |

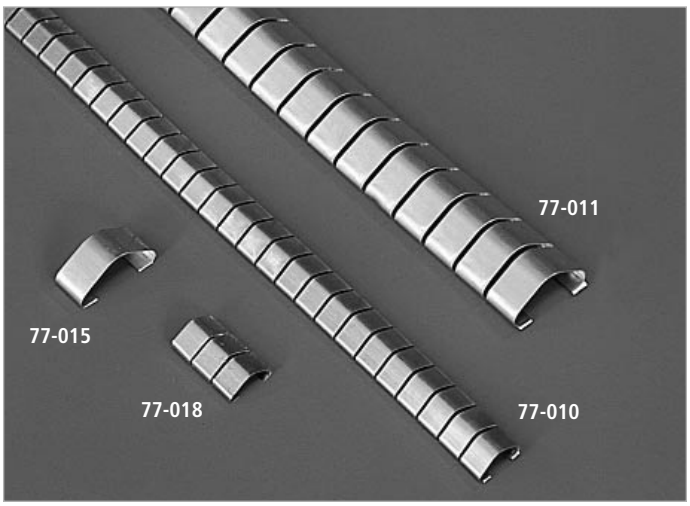
- In the above example, Laird Technologies part number 0097-0520-02 is a 97-520 RFI/EMI shielding gasket with a bright finish
- When ordering UltraSoft® items, the stock item prefix will be 0098 or 0078. The above example in UltraSoft would be 0098-0520-02.
- When ordering coil, the prefix 0C should precede the stock item number; for example: 0C97, 0C98, 0C77 or 0C78
- When ordering stainless steel items, the stock item prefix will be 0095
- Standard plating finish is 0.0001 in. (0.0025 mm) min. [gold 0.00005 in. (0.0013 mm) min.] but can be varied to meet your custom needs
- Modifications to standard parts are specified by an X (following finish I.D.) for quoting only. Upon ordering, a specific part number will be assigned.
- For tape options, see Adhesive Mounting — Sticky Fingers® on page 1-10
- Use the catalog number for the unique part number and refer to the following chart for finish I.D.

## PLATING FINISHES

| REQUIRED FINISH | FINISH | SPECIFICATIONS | I.D. # |
|---|---|---|---|
| Bright Finish | —— | —— | 02 |
| Solderable Unplated | —— | —— | 21 |
| Gold | Gold | ASTM B-488/SAE AMS 2422 | 03 |
| | Nickel Underplate | QQ-N-290 / ASTM B-488 | 10 |
| | Gold Contips® | ASTM B-488/SAE AMS 2422 | 13 |
| | Gold Contips / Gold Plate | ASTM B-488 / SAE AMS 2422 | 14 |
| Silver | Silver | ASTM B-700 | 04 |
| | Silver Contips | ASTM B-700 | 11 |
| | Silver Contips / Plating | ASTM B-700 | 12 |
| | Silver Plate / Gold Contips | ASTM B-700/ASTM B-488 | 20 |
| Cadmium | Yellow Chromate | QQ-P-416 | 05 |
| | Clear Chromate | QQ-P-416 | 06 |
| Tin Lead* | Solder | SAE AMS-P-81728 | 07 |
| Nickel | Dull | QQ-N-290 | 09 |
| | Bright | QQ-N-290 | 19 |
| | Engineering (Sulfamate) | SAE AMS 2424 | 24 |
| Electroless Nickel | Mid Phos Electroless Nickel | MIL-C-26074 | 18 |
| Tin | Satin | ASTM B-545 | 08 |
| | Bright | ASTM B-545 | 17 |
| Zinc | Yellow Chromate | SAE AMS 2402 | 16 |
| | Clear Chromate | SAE AMS 2402 | 15 |
| Rhodium | Rhodium | ASTM B-634 | 22 |
| Stainless Steel | Passivation | SAE AMS QQ-P-35 | —— |

*Not recommended for Foldover Series. Note: Refer to page 5-2 for Metals Galvanic Compatibility Chart.

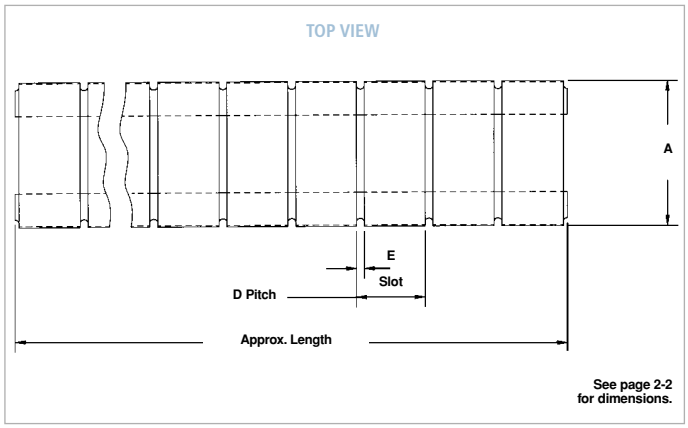
# SLOT MOUNT SERIES

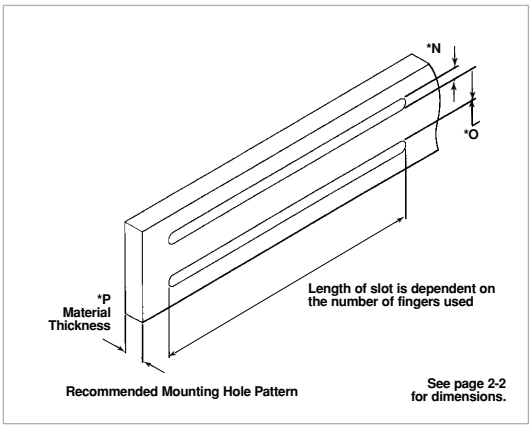


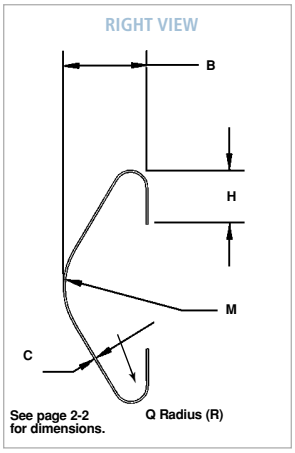

Laird Technologies' Slot Mount Series of beryllium copper shielding gaskets is designed for use in a wide variety of slotted applications. This economical product line is ideal for both grounding and shielding applications.

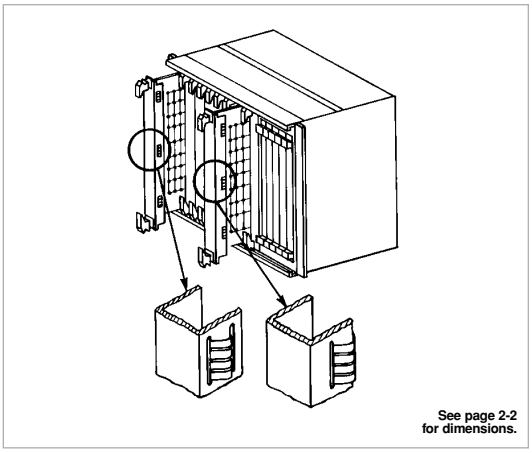
- Minimal slot fabrication cost
- Easy and cost-effective installation since fasteners and adhesives are not required
- Bi-directional wiping and compression action to accommodate a wide variety of designs
- Ideal for grounding and shielding in the following electronic enclosure applications:
  - Front panel handles
  - Chassis covers
  - Plug-in units
  - Backplanes
  - Subrack assemblies
- Standard (77-Series) and UltraSoft® (78-Series low compression versions) are also supplied in 25.0 ft. (7.6 m) coils

The Slot Mount Series is available in your choice of finishes, see page 1-11. For load/deflection data, see page 2-33.




Slot Mount Series are available with Universal and Tape Track mounting options, see page 1-9, 1-10.

# SLOT MOUNT SERIES

## SLOT MOUNT SERIES DIMENSIONS

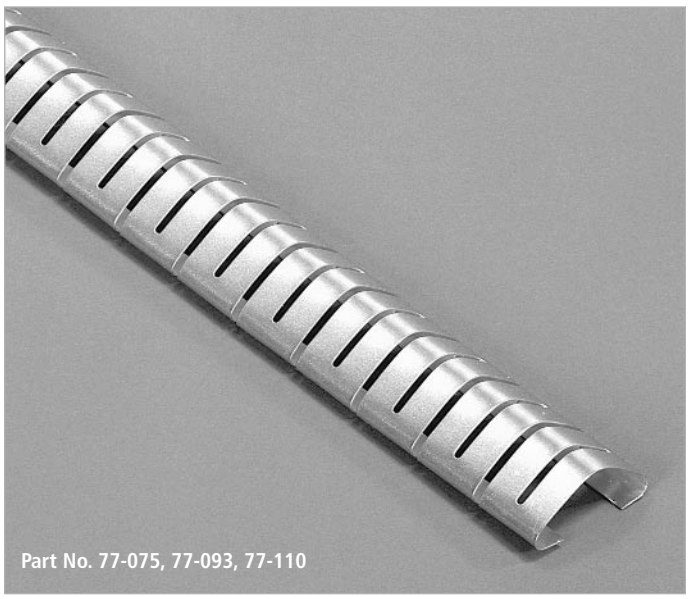
| SERIES | A | B | C | D | E | H | M | *N | *O | *P | Q | LENGTH | # OF |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | RECOMMENDED | | | (R) | APPROX. | FING. |
| 77-010 | 0.320 (8.128) | 0.110 (2.794) | 0.004 (0.102) | 0.187 (4.750) | 0.018 (0.457) | 0.085 (2.159) | 0.110 (2.794) | 0.090 (2.286) | 0.260 (6.604) | 0.040 (1.016) | 0.020 (0.508) | 16.000 (406.400) | 86 — |
| 77-011 | 0.600 (15.240) | 0.220 (5.588) | 0.005 (0.127) | 0.282 (7.163) | 0.032 (0.813) | 0.140 (3.556) | 0.180 (4.572) | 0.140 (3.556) | 0.520 (13.208) | 0.070 (1.778) | 0.040 (1.016) | 16.000 (406.400) | 57 — |
| 77-015 | 0.600 (15.240) | 0.220 (5.588) | 0.005 (0.127) | N/A — | N/A — | 0.140 (3.556) | 0.180 (4.572) | 0.140 (3.556) | 0.520 (13.208) | 0.070 (1.778) | 0.040 (1.016) | 0.250 (6.350) | 1 — |
| 77-016 | 0.320 (8.128) | 0.110 (2.794) | 0.004 (0.102) | N/A — | N/A — | 0.085 (2.159) | 0.110 (2.794) | 0.090 (2.286) | 0.260 (6.604) | 0.040 (1.016) | 0.020 (0.508) | 0.169 (4.293) | 1 — |
| 77-017 | 0.320 (8.128) | 0.110 (2.794) | 0.004 (0.102) | 0.187 (4.750) | 0.018 (0.457) | 0.085 (2.159) | 0.110 (2.794) | 0.090 (2.286) | 0.260 (6.604) | 0.040 (1.016) | 0.020 (0.508) | 0.356 (9.042) | 2 — |
| 77-018 | 0.320 (8.128) | 0.110 (2.794) | 0.004 (0.102) | 0.187 (4.750) | 0.018 (0.457) | 0.085 (2.159) | 0.110 (2.794) | 0.090 (2.286) | 0.260 (6.604) | 0.040 (1.016) | 0.020 (0.508) | 0.543 (13.792) | 3 — |
| 77-019 | 0.320 (8.128) | 0.110 (2.794) | 0.004 (0.102) | 0.187 (4.750) | 0.018 (0.457) | 0.085 (2.159) | 0.110 (2.794) | 0.090 (2.286) | 0.260 (6.604) | 0.040 (1.016) | 0.020 (0.508) | 0.730 (18.542) | 4 — |
| 77-020 | 0.600 (15.240) | 0.220 (5.588) | 0.005 (0.127) | 0.282 (7.163) | 0.032 (0.813) | 0.140 (3.556) | 0.180 (4.572) | 0.140 (3.556) | 0.520 (13.208) | 0.070 (1.778) | 0.040 (1.016) | 0.532 (13.513) | 2 — |
| 77-021 | 0.320 (8.128) | 0.110 (2.794) | 0.004 (0.102) | 0.187 (4.750) | 0.018 (0.457) | 0.085 (2.159) | 0.110 (2.794) | 0.090 (2.286) | 0.260 (6.604) | 0.060 (1.524) | 0.035 (0.889) | 16.000 (406.400) | 86 — |
| 77-023 | 0.370 (9.398) | 0.130 (3.302) | 0.004 (0.102) | N/A — | N/A — | 0.085 (2.159) | 0.110 (2.794) | 0.090 (2.286) | 0.300 (7.620) | 0.040 (1.016) | 0.020 (0.508) | 0.225 (5.715) | 1 — |
| 77-024 | 0.370 (9.398) | 0.130 (3.302) | 0.004 (0.102) | 0.250 (6.350) | 0.025 (0.635) | 0.085 (2.159) | 0.110 (2.794) | 0.090 (2.286) | 0.300 (7.620) | 0.040 (1.016) | 0.020 (0.508) | 0.475 (12.065) | 2 — |
| 77-025 | 0.370 (9.398) | 0.130 (3.302) | 0.004 (0.102) | 0.250 (6.350) | 0.025 (0.635) | 0.085 (2.159) | 0.110 (2.794) | 0.090 (2.286) | 0.300 (7.620) | 0.040 (1.016) | 0.020 (0.508) | 0.725 (18.415) | 3 — |
| 77-026 | 0.370 (9.398) | 0.130 (3.302) | 0.005 (0.127) | 0.250 (6.350) | 0.025 (0.635) | 0.085 (2.159) | 0.110 (2.794) | 0.090 (2.286) | 0.300 (7.620) | 0.040 (1.016) | 0.020 (0.508) | 0.975 (24.765) | 4 — |
| 77-027 | 0.370 (9.398) | 0.130 (3.302) | 0.005 (0.127) | 0.250 (6.350) | 0.025 (0.635) | 0.085 (2.159) | 0.110 (2.794) | 0.090 (2.286) | 0.300 (7.620) | 0.040 (1.016) | 0.020 (0.508) | 1.225 (31.115) | 5 — |
| 77-028 | 0.370 (9.398) | 0.130 (3.302) | 0.005 (0.127) | 0.250 (6.350) | 0.025 (0.635) | 0.085 (2.159) | 0.110 (2.794) | 0.090 (2.286) | 0.300 (7.620) | 0.040 (1.016) | 0.020 (0.508) | 1.475 (37.465) | 6 — |
| 77-029 | 0.800 (20.320) | 0.320 (8.128) | 0.004 (0.102) | N/A — | N/A — | 0.200 (5.080) | 0.180 (4.572) | 0.220 (5.588) | 0.720 (18.288) | 0.070 (1.778) | 0.040 (1.016) | 0.343 (8.712) | 1 — |
| 77-030 | 0.800 (20.320) | 0.320 (8.128) | 0.004 (0.102) | 0.375 (9.525) | 0.032 (0.813) | 0.200 (5.080) | 0.180 (4.572) | 0.220 (5.588) | 0.720 (18.288) | 0.070 (1.778) | 0.040 (1.016) | 0.718 (18.237) | 2 — |
| 77-031 | 0.800 (20.320) | 0.320 (8.128) | 0.005 (0.127) | 0.375 (9.525) | 0.032 (0.813) | 0.200 (5.080) | 0.180 (4.572) | 0.220 (5.588) | 0.720 (18.288) | 0.070 (1.778) | 0.040 (1.016) | 1.093 (27.762) | 3 — |
| 77-032 | 0.800 (20.320) | 0.320 (8.128) | 0.005 (0.127) | 0.375 (9.525) | 0.032 (0.813) | 0.200 (5.080) | 0.180 (4.572) | 0.220 (5.588) | 0.720 (18.288) | 0.070 (1.778) | 0.040 (1.016) | 1.468 (37.287) | 4 — |
| 77-035 | 0.310 (7.874) | 0.120 (3.048) | 0.003 (0.076) | 0.250 (6.350) | 0.020 (0.508) | 0.090 (2.286) | 0.115 (2.921) | 0.095 (2.413) | 0.250 (6.350) | 0.040 (1.016) | 0.015 (0.381) | 0.480 (12.192) | 2 — |
| 77-036 | 0.310 (7.874) | 0.120 (3.048) | 0.003 (0.076) | 0.250 (6.350) | 0.020 (0.508) | 0.090 (2.286) | 0.115 (2.921) | 0.095 (2.413) | 0.250 (6.350) | 0.040 (1.016) | 0.015 (0.381) | 0.980 (24.892) | 4 — |
| 77-037 | 0.310 (7.874) | 0.120 (3.048) | 0.003 (0.076) | 0.250 (6.350) | 0.020 (0.508) | 0.090 (2.286) | 0.115 (2.921) | 0.095 (2.413) | 0.250 (6.350) | 0.040 (1.016) | 0.015 (0.381) | 1.480 (37.592) | 6 — |
| 77-038 | 0.310 (7.874) | 0.120 (3.048) | 0.003 (0.076) | 0.250 (6.350) | 0.020 (0.508) | 0.090 (2.286) | 0.115 (2.921) | 0.095 (2.413) | 0.250 (6.350) | 0.040 (1.016) | 0.015 (0.381) | 1.980 (50.292) | 8 — |
| 77-039 | 0.280 (7.112) | 0.110 (2.794) | 0.002 (0.051) | N/A — | N/A — | 0.075 (1.905) | 0.110 (2.794) | 0.090 (2.286) | 0.220 (5.588) | 0.040 (1.016) | 0.030 (0.762) | 0.169 (4.293) | 1 — |
| 77-040 | 0.280 (7.112) | 0.110 (2.794) | 0.002 (0.051) | 0.187 (4.750) | 0.018 (0.457) | 0.075 (1.905) | 0.110 (2.794) | 0.090 (2.286) | 0.220 (5.588) | 0.040 (1.016) | 0.030 (0.762) | 0.356 (9.042) | 2 — |
| 77-041 | 0.280 (7.112) | 0.110 (2.794) | 0.002 (0.051) | 0.187 (4.750) | 0.018 (0.457) | 0.075 (1.905) | 0.110 (2.794) | 0.090 (2.286) | 0.220 (5.588) | 0.040 (1.016) | 0.030 (0.762) | 0.543 (13.792) | 3 — |
| 77-042 | 0.280 (7.112) | 0.110 (2.794) | 0.002 (0.051) | 0.187 (4.750) | 0.018 (0.457) | 0.075 (1.905) | 0.110 (2.794) | 0.090 (2.286) | 0.220 (5.588) | 0.040 (1.016) | 0.030 (0.762) | 0.730 (18.542) | 4 — |
| 77-044 | 0.320 (8.128) | 0.110 (2.794) | 0.004 (0.102) | 0.187 (4.750) | 0.018 (0.457) | 0.085 (2.159) | 0.110 (2.794) | 0.090 (2.286) | 0.260 (6.604) | 0.040 (1.016) | 0.020 (0.508) | 1.104 (28.042) | 6 — |

* May vary depending upon application.

| SERIES | A | B | C | D | E | H | M | *N | *O | *P | Q | LENGTH | # OF |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | RECOMMENDED | | | (R) | APPROX. | FING. |
| 77-045 | 0.320 (8.128) | 0.110 (2.794) | 0.004 (0.102) | N/A — | N/A — | 0.085 (2.159) | 0.110 (2.794) | 0.090 (2.286) | 0.260 (6.604) | 0.060 (1.524) | 0.040 (1.016) | 0.169 (4.293) | 1 — |
| 77-046 | 0.320 (8.128) | 0.110 (2.794) | 0.004 (0.102) | 0.187 (4.750) | 0.018 (0.457) | 0.085 (2.159) | 0.110 (2.794) | 0.090 (2.286) | 0.260 (6.604) | 0.060 (1.524) | 0.040 (1.016) | 0.356 (9.042) | 2 — |
| 77-047 | 0.320 (8.128) | 0.110 (2.794) | 0.004 (0.102) | 0.187 (4.750) | 0.018 (0.457) | 0.085 (2.159) | 0.110 (2.794) | 0.090 (2.286) | 0.260 (6604) | 0.060 (1.524) | 0.040 (1.016) | 0.543 (13.792) | 3 — |
| 77-048 | 0.320 (8.128) | 0.110 (2.794) | 0.004 (0.102) | 0.187 (4.750) | 0.018 (0.457) | 0.085 (2.159) | 0.110 (2.794) | 0.090 (2.286) | 0.260 (6.604) | 0.060 (1.524) | 0.040 (1.016) | 0.730 (18.542) | 4 — |
| 77-050 | 0.320 (8.128) | 0.110 (2.794) | 0.004 (0.102) | 0.187 (4.750) | 0.018 (0.457) | 0.085 (2.159) | 0.110 (2.794) | 0.090 (2.286) | 0.260 (6.604) | 0.060 (1.524) | 0.040 (1.016) | 0.917 (23.292) | 5 — |
| 77-051 | 0.320 (8.128) | 0.110 (2.794) | 0.004 (0.102) | 0.187 (4.750) | 0.018 (0.457) | 0.085 (2.159) | 0.110 (2.794) | 0.090 (2.286) | 0.260 (6.604) | 0.060 (1.524) | 0.040 (1.016) | 1.104 (28.042) | 6 — |
| 77-052 | 0.320 (8.128) | 0.110 (2.794) | 0.004 (0.102) | 0.187 (4.750) | 0.018 (0.457) | 0.085 (2.159) | 0.110 (2.794) | 0.090 (2.286) | 0.260 (6.604) | 0.060 (1.524) | 0.040 (1.016) | 1.291 (32.791) | 7 — |
| 77-053 | 0.320 (8.128) | 0.110 (2.794) | 0.004 (0.102) | 0.187 (4.750) | 0.018 (0.457) | 0.085 (2.159) | 0.110 (2.794) | 0.090 (2.286) | 0.260 (6.604) | 0.060 (1.524) | 0.040 (1.016) | 1.478 (37.541) | 8 — |
| 77-054 | 0.320 (8.128) | 0.110 (2.794) | 0.004 (0.102) | 0.187 (4.750) | 0.018 (0.457) | 0.085 (2.159) | 0.110 (2.794) | 0.090 (2.286) | 0.260 (6.604) | 0.060 (1.524) | 0.040 (1.016) | 1.665 (42.291) | 9 — |
| 77-055 | 0.320 (8.128) | 0.110 (2.794) | 0.004 (0.102) | 0.187 (4.750) | 0.018 (0.457) | 0.085 (2.159) | 0.110 (2.794) | 0.090 (2.286) | 0.260 (6.604) | 0.060 (1.524) | 0.040 (1.016) | 1.852 (47.041) | 10 — |
| 77-058 | 0.320 (8.128) | 0.110 (2.794) | 0.004 (0.102) | 0.187 (4.750) | 0.018 (0.457) | 0.085 (2.159) | 0.110 (2.794) | 0.090 (2.286) | 0.260 (6.604) | 0.040 (1.016) | 0.020 (0.508) | 0.917 (23.292) | 5 — |
| 77-059 | 0.370 (9.398) | 0.130 (3.302) | 0.004 (0.102) | 0.250 (6.350) | 0.025 (0.635) | 0.085 (2.159) | 0.110 (2.794) | 0.090 (2.286) | 0.310 (7.874) | 0.040 (1.016) | 0.020 (0.508) | 16.000 (406.400) | 64 — |
| 77-062 | 0.320 (8.128) | 0.110 (2.794) | 0.004 (0.102) | 0.187 (4.750) | 0.018 (0.457) | 0.085 (2.159) | 0.110 (2.794) | 0.090 (2.286) | 0.260 (6.604) | 0.048 (1.219) | 0.025 (0.635) | 0.169 (4.293) | 1 — |
| 77-063 | 0.320 (8.128) | 0.110 (2.794) | 0.004 (0.102) | 0.187 (4.750) | 0.018 (0.457) | 0.085 (2.159) | 0.110 (2.794) | 0.090 (2.286) | 0.260 (6.604) | 0.048 (1.219) | 0.025 (0.635) | 0.356 (9.042) | 2 — |
| 77-064 | 0.320 (8.128) | 0.110 (2.794) | 0.004 (0.102) | 0.187 (4.750) | 0.018 (0.457) | 0.085 (2.159) | 0.110 (2.794) | 0.090 (2.286) | 0.260 (6.604) | 0.048 (1.219) | 0.025 (0.635) | 0.543 (13.792) | 3 — |
| 77-065 | 0.320 (8.128) | 0.110 (2.794) | 0.004 (0.102) | 0.187 (4.750) | 0.018 (0.457) | 0.085 (2.159) | 0.110 (2.794) | 0.090 (2.286) | 0.260 (6.604) | 0.048 (1.219) | 0.025 (0.635) | 0.730 (18.542) | 4 — |
| 77-070 | 0.320 (8.128) | 0.110 (2.794) | 0.004 (0.102) | 0.187 (4.750) | 0.018 (0.457) | 0.085 (2.159) | 0.110 (2.794) | 0.090 (2.286) | 0.260 (6.604) | 0.062 (1.575) | 0.035 (0.889) | 16.000 (406.400) | 86 — |
| 77-076 | 0.600 (15.240) | 0.220 (5.588) | 0.005 (0.127) | N/A — | N/A — | 0.140 (3.556) | 0.180 (4.572) | 0.140 (3.556) | 0.520 (13.208) | 0.070 (1.778) | 0.020 (0.508) | 0.340 (8.636) | 1 — |
| 77-087 | 0.563 (14.300) | 0.110 (2.794) | 0.003 (0.076) | 0.187 (4.750) | 0.018 (0.457) | 0.085 (2.159) | 0.110 (2.794) | 0.090 (2.286) | 0.260 (6.604) | 0.040 (1.016) | 0.020 (0.508) | 1.291 (32.791) | 7 — |
| 77-088 | 0.563 (14.300) | 0.110 (2.794) | 0.003 (0.076) | 0.187 (4.750) | 0.018 (0.457) | 0.085 (2.159) | 0.110 (2.794) | 0.090 (2.286) | 0.260 (6.604) | 0.040 (1.016) | 0.020 (0.508) | 1.478 (37.541) | 8 — |
| 77-089 | 0.600 (15.240) | 0.220 (5.588) | 0.005 (0.127) | 0.282 (7.163) | 0.032 (0.813) | 0.140 (3.556) | 0.180 (4.572) | 0.140 (3.556) | 0.520 (13.208) | 0.070 (1.778) | 0.040 (1.016) | 0.810 (20.574) | 3 — |
| 77-094 | 0.358 (9.093) | 0.128 (3.251) | 0.003 (0.076) | 0.202 (5.131) | 0.018 (0.457) | 0.110 (2.794) | 0.100 (2.54) | 0.115 (2.921) | 0.300 (7.620) | 0.030 (0.762) | 0.030 (0.762) | 0.389 (9.881) | 2 — |
| 77-096 | 0.600 (15.240) | 0.220 (5.588) | 0.005 (0.127) | 0.282 (7.163) | 0.032 (0.813) | 0.140 (3.556) | 0.180 (4.572) | 0.095 (2.413) | 0.520 (13.208) | 0.040 (1.016) | 0.040 (1.016) | 1.096 (27.838) | 4 — |
| 77-097 | 0.600 (15.240) | 0.220 (5.588) | 0.005 (0.127) | 0.375 (9.525) | 0.032 (0.813) | 0.140 (3.556) | 0.180 (4.572) | 0.140 (3.556) | 0.520 (13.208) | 0.070 (1.778) | 0.040 (1.016) | 16.000 (406.400) | 43 — |
| 77-099 | 0.600 (15.240) | 0.220 (5.588) | 0.005 (0.127) | 0.375 (9.525) | 0.032 (0.813) | 0.140 (3.556) | 0.180 (4.572) | 0.140 (3.556) | 0.520 (13.208) | 0.070 (1.778) | 0.040 (1.016) | 1.378 (35.001) | 5 — |
| 77-100 | 0.600 (15.240) | 0.220 (5.588) | 0.005 (0.127) | 0.375 (9.525) | 0.032 (0.813) | 0.140 (3.556) | 0.180 (4.572) | 0.140 (3.556) | 0.520 (13.208) | 0.070 (1.778) | 0.040 (1.016) | 1.660 (42.164) | 6 — |
| 77-101 | 0.600 (15.240) | 0.220 (5.588) | 0.005 (0.127) | 0.375 (9.525) | 0.032 (0.813) | 0.140 (3.556) | 0.180 (4.572) | 0.140 (3.556) | 0.520 (13.208) | 0.070 (1.778) | 0.040 (1.016) | 1.942 (49.327) | 7 — |

All dimensions shown are in inches (millimeters) unless otherwise specified.

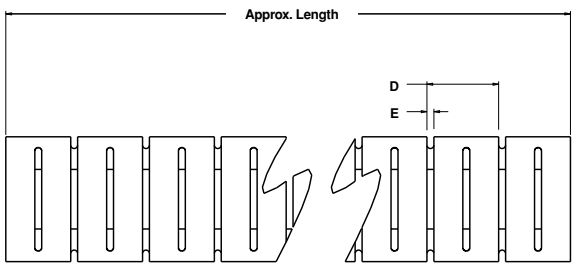
# DUAL SLOT SERIES



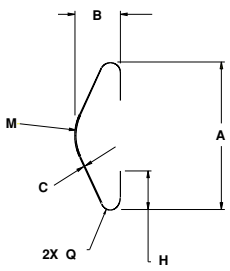
Part No. 77-075, 77-093, 77-110

Dual slot mount parts are available for a variety of slotted applications. The dual slot feature optimizes the compression force and provides a good operating range. This product is ideal for both shielding and grounding applications. The bi-directional wiping and compression action accommodates a wide variety of designs. Ideal for use in the grounding and shielding of front panel handles, sub rack assemblies, plug-in units, back planes and other electronic enclosure applications.

TOP VIEW




RIGHT VIEW




## DUAL SLOT SERIES DIMENSIONS

| SERIES | A | B | C | D PITCH | E SLOT | H | M | N | O | P | Q | LENGTH APPROX. | # OF FING. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 77-075 | 0.325 (8.255) | 0.100 (2.54) | 0.003 (0.076) | 0.187 (4.750) | 0.018 (0.457) | 0.085 (2.159) | 0.110 (2.794) | 0.090 (2.286) | 0.260 (6.604) | 0.040 (1.016) | 0.020 (0.508) | 16.000 (406.400) | 86 — |
| 77-093 | 0.325 (8.255) | 0.140 (3.556) | 0.003 (0.076) | 0.187 (4.750) | 0.018 (0.457) | 0.085 (2.159) | 0.110 (2.794) | 0.090 (2.286) | 0.260 (6.604) | 0.040 (1.016) | 0.020 (0.508) | 16.000 (406.400) | 86 — |
| 77-110 | 0.325 (8.255) | 0.125 (3.175) | 0.003 (0.076) | 0.187 (4.750) | 0.018 (0.457) | 0.085 (2.159) | 0.110 (2.794) | 0.090 (2.286) | 0.260 (6.604) | 0.040 (1.016) | 0.020 (0.508) | 16.000 (406.400) | 86 — |

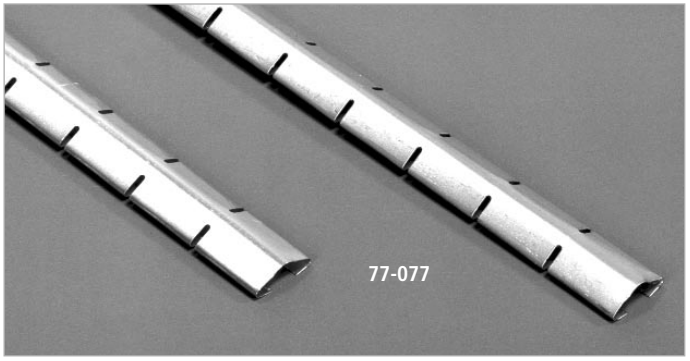
All dimensions shown are in inches (millimeters) unless otherwise specified.

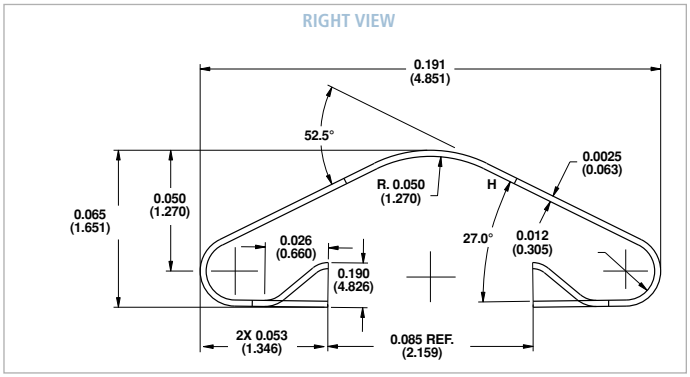
# COMPACT PCI SYMMETRICAL MOUNT

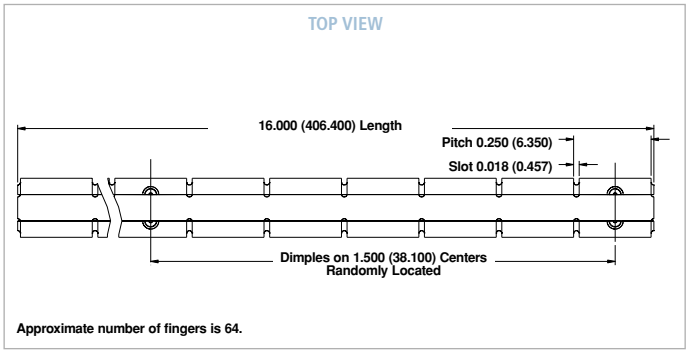
Laird Technologies offers a unique product designed to shield the front panels of IEEE standard 1101.10 card cages, commonly referred to as Dot-10, called the Compact PCI gasket.

This front panel shielding has been designed to shield between the front panels on sub racks and plug-in units. This is a beryllium copper solid top symmetrical slotted fingerstock strip pre-plated in sulfamate nickel. It is designed to mount on the "T" shape on a front panel extrusion (see below). Specially designed for wiping applications, this configuration allows total symmetrical compression action with bi-directional engagement.

Standard size shown is based on the 9.5" (241.300) length per the Dot-10 standard. Other lengths and plating finishes are available for your specific application.





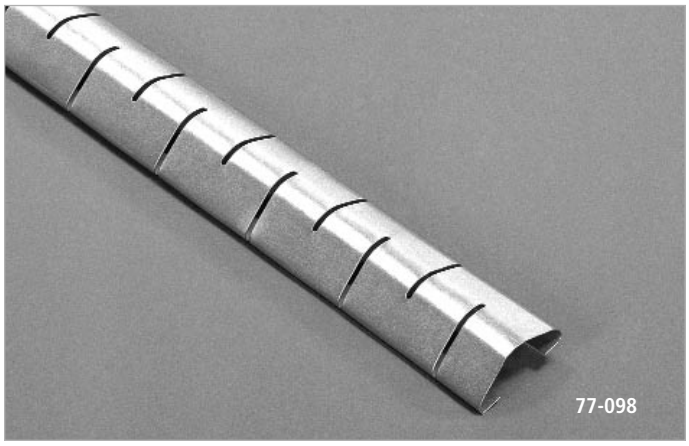

# ALTERNATE SLOT SERIES

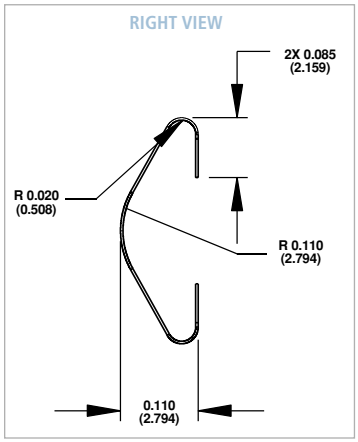
Laird Technologies alternating slot/cut design is designed for use in a wide variety of slotted applications, such as front panel handles, plug-in units, subrack assemblies, chassis covers and backplanes.

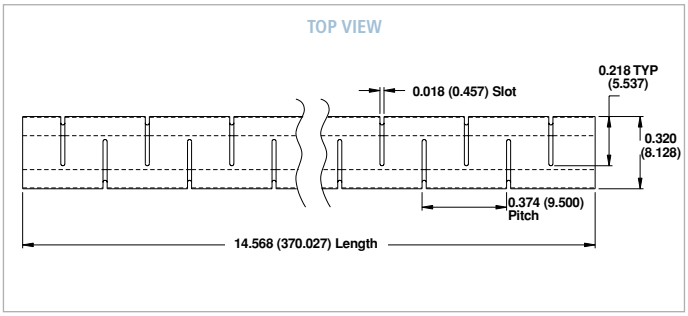
The alternating slot / cut design serves to enhance the gasket strength, while providing enough flexibility to allow the part to be folded in half with no resultant finger damage. This is especially significant in during installation or repair.

Available in a wide variety of plating finishes to meet galvanic compatibility requirements.

Available in UltraSoft™, low compression series (-078).




All dimensions shown are in inches (millimeters) unless otherwise specified.

# VARIABLE SLOT MOUNT

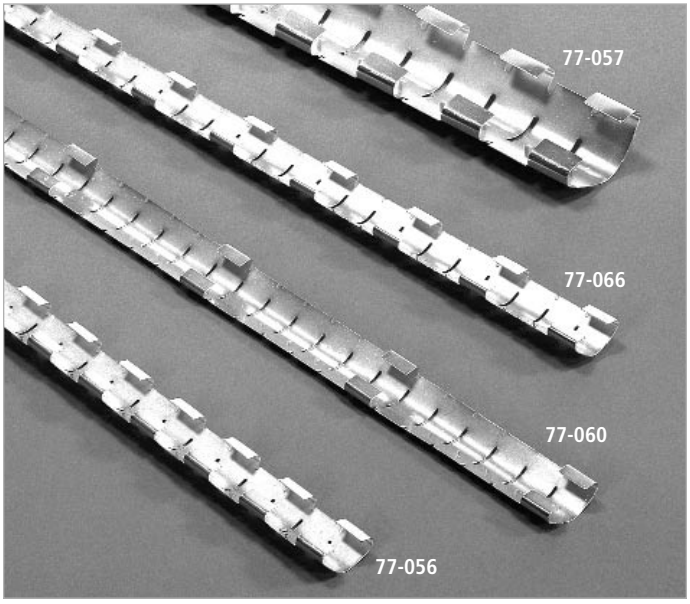
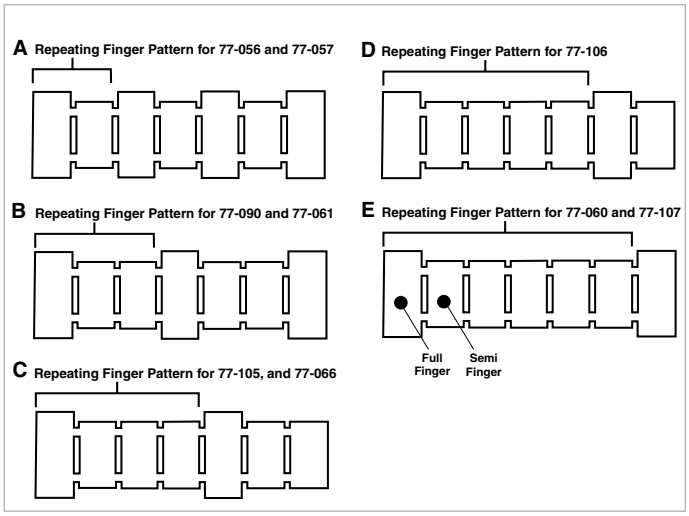
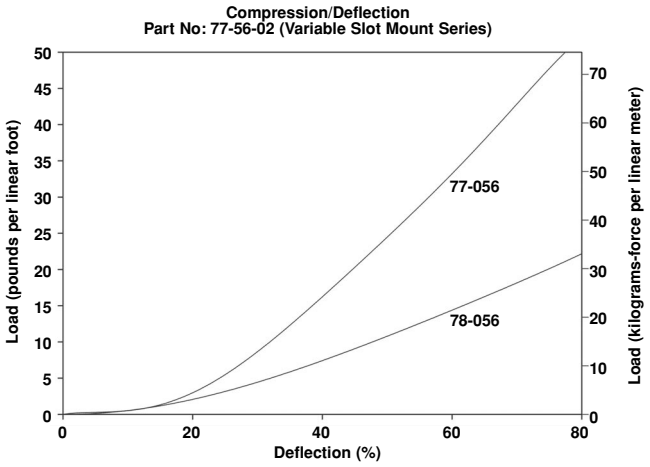


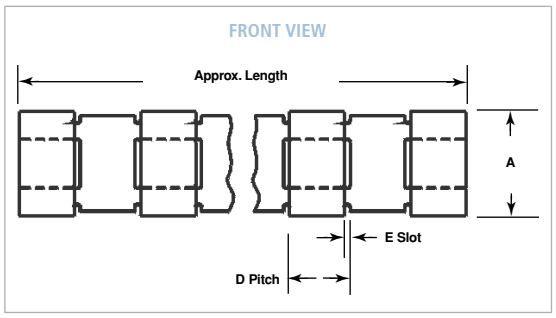

FIGURE 1: REPEATING FINGER PATTERN

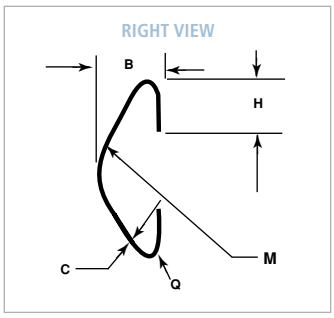
Laird Technologies introduces Variable Slot Mount shielding, which eliminates the use of long slots while still utilizing the easy installation method of slot mount shielding. Fingers are removed from the strip in areas where a mounting slot is not present. The Variable Slot Mount shielding strips can be customized to any patterned series of slots.

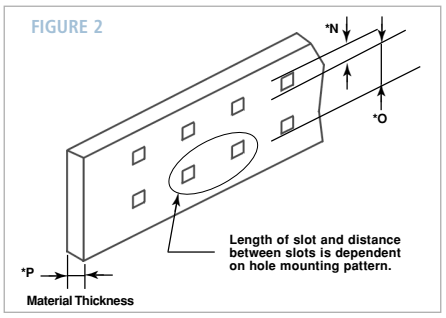
- Easy and cost-effective installation since fasteners and adhesives are not required
- Improved shielding effectiveness compared to traditional slot mount series through elimination of long slots in host material
- Slot mounting feature can be varied to accommodate different lengths and hole mounting patterns (see figure 2)
- Three and five pitch segments ideal for grounding applications
- Bi-directional wiping and compression action to accommodate a wide variety of designs
- Available in standard (77-Series) and UltraSoft® (78-Series low compression versions)
- Ability to retrofit equipment when higher clock speeds limit current slot mount product without changing slot size or location
- One piece construction eliminates handling individual pieces, thereby shortening installation time
- Ideal for grounding and shielding in the following electronic enclosure applications:
  - Front panel handles
  - Chassis covers
  - Backplanes
  - Plug-in units
  - Subrack assemblies




## VARIABLE SLOT MOUNT DIMENSIONS

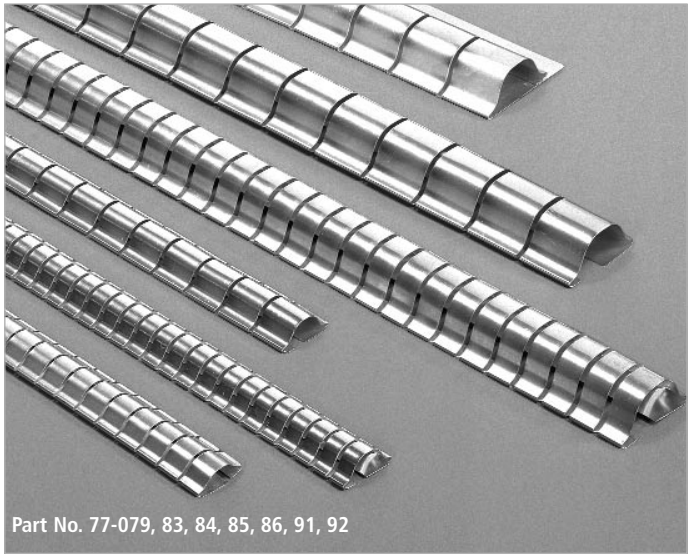
| SERIES VIEW** | A | B | C | D | E | H | M | *N | *O | *P | Q (R) | LENGTH APPROX. | # OF FING. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | RECOMMENDED | | | | | |
| 77-056 A | 0.320 (8.128) | 0.110 (2.794) | 0.004 (0.102) | 0.187 (4.750) | 0.018 (0.457) | 0.085 (2.159) | 0.110 (2.794) | 0.090 (2.286) | 0.260 (6.604) | 0.040 (1.016) | 0.020 (0.508) | 16.000 (406.400) | 86 — |
| 77-057 A | 0.600 (15.240) | 0.220 (5.588) | 0.005 (0.127) | 0.282 (7.163) | 0.032 (0.813) | 0.130 (3.302) | 0.180 (4.572) | 0.140 (3.556) | 0.520 (13.208) | 0.070 (1.778) | 0.040 (1.016) | 16.000 (406.400) | 57 — |
| 77-060 E | 0.320 (8.128) | 0.110 (2.794) | 0.003 (0.076) | 0.187 (4.750) | 0.018 (0.457) | 0.085 (2.159) | 0.110 (2.794) | 0.090 (2.286) | 0.260 (6.604) | 0.040 (1.016) | 0.020 (0.508) | 16.000 (406.400) | 86 — |
| 77-061 B | 0.320 (8.128) | 0.110 (2.794) | 0.003 (0.076) | 0.187 (4.750) | 0.018 (0.457) | 0.085 (2.159) | 0.110 (2.794) | 0.090 (2.286) | 0.260 (6.604) | 0.040 (1.016) | 0.020 (0.508) | 16.000 (406.400) | 86 — |
| 77-066 C | 0.320 (8.128) | 0.110 (2.794) | 0.003 (0.076) | 0.187 (4.750) | 0.018 (0.457) | 0.085 (2.159) | 0.110 (2.794) | 0.090 (2.286) | 0.260 (6.604) | 0.040 (1.016) | 0.020 (0.508) | 16.000 (406.400) | 86 — |

| SERIES VIEW** | A | B | C | D | E | H | M | *N | *O | *P | Q (R) | LENGTH APPROX. | # OF FING. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | RECOMMENDED | | | | | |
| 77-090 B | 0.600 (15.240) | 0.220 (5.588) | 0.005 (0.127) | 0.282 (7.163) | 0.032 (0.813) | 0.140 (3.556) | 0.180 (4.572) | 0.140 (3.556) | 0.520 (13.208) | 0.070 (1.778) | 0.040 (1.016) | 16.000 (406.400) | 57 — |
| 77-105 C | 0.600 (15.240) | 0.220 (5.588) | 0.005 (0.127) | 0.282 (7.163) | 0.032 (0.813) | 0.140 (3.556) | 0.180 (4.572) | 0.140 (3.556) | 0.520 (13.208) | 0.070 (1.778) | 0.040 (1.016) | 16.000 (406.400) | 57 — |
| 77-106 D | 0.600 (15.240) | 0.220 (5.588) | 0.005 (0.127) | 0.282 (7.163) | 0.032 (0.813) | 0.140 (3.556) | 0.180 (4.572) | 0.140 (3.556) | 0.520 (13.208) | 0.070 (1.778) | 0.040 (1.016) | 16.000 (406.400) | 57 — |
| 77-107 E | 0.600 (15.240) | 0.220 (5.588) | 0.005 (0.127) | 0.282 (7.163) | 0.032 (0.813) | 0.140 (3.556) | 0.180 (4.572) | 0.140 (3.556) | 0.520 (13.208) | 0.070 (1.778) | 0.040 (1.016) | 16.000 (406.400) | 57 — |

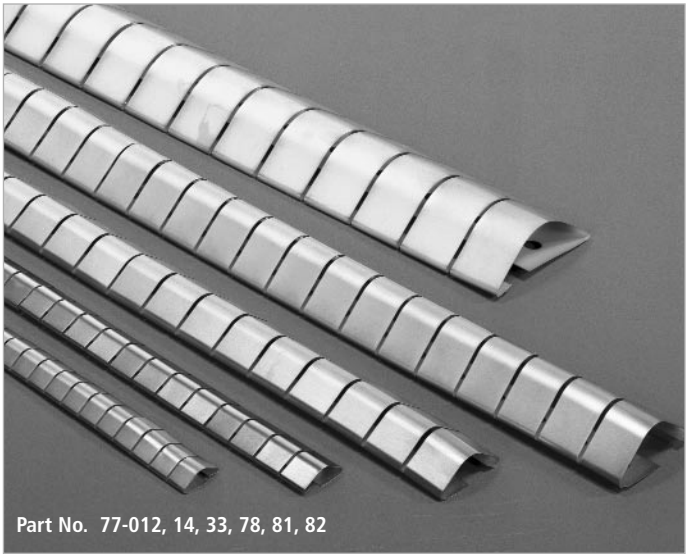
* May vary depending upon application.

** See Figure 1 for finger patterns.

# NO SNAG GASKET



Part No. 77-079, 83, 84, 85, 86, 91, 92



Part No. 77-012, 14, 33, 78, 81, 82

Laird Technologies No Snag Series shielding gaskets offer the designer a low compression, no snag design. Provided with Sticky Fingers® self-adhesive tape, these beryllium copper shielding gaskets provide easy and secure mounting.

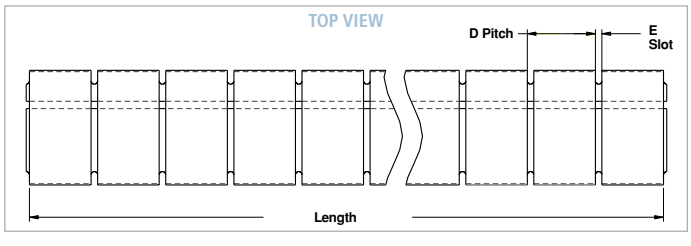
- Shielding effectiveness of > 100 db (77-012) and 80 dB (77-014) for a 100 MHz plane wave
- Easy, cost-effective installation since fasteners are not required
- Ideal as an all-purpose contact strip for metal cabinets and electronic enclosures
- Available in a wide variety of plated finishes, see page 1-11
- Supplied in standard 24.000 in. (609.600 mm) lengths or other specified lengths

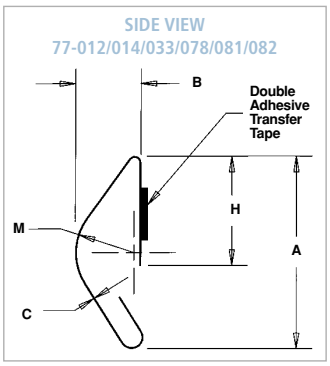
For load/deflection data, see page 2-33.

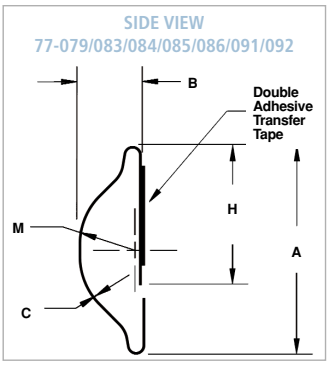
## NO SNAG GASKET DIMENSIONS

| SERIES | A | B | C | D | E | H | M RADIUS | APPROX. LENGTH |
|---|---|---|---|---|---|---|---|---|
| 77-012 | 0.320 (8.128) | 0.110 (2.794) | 0.002 (0.051) | 0.187 (4.750) | 0.018 (0.457) | 0.210 (5.334) | 0.110 (2.794) | 24.000 (609.600) |
| * 77-014 | 0.600 (15.240) | 0.220 (5.588) | 0.004 (0.102) | 0.375 (9.525) | 0.032 (0.813) | 0.280 (7.112) | 0.180 (4.572) | 24.000 (609.600) |
| 77-033 | 0.370 (9.398) | 0.130 (3.302) | 0.002 (0.051) | 0.250 (6.350) | 0.025 (0.635) | 0.210 (5.334) | 0.110 (2.794) | 16.000 (406.400) |
| * 77-078 | 0.800 (20.320) | 0.320 (8.128) | 0.004 (0.102) | 0.375 (9.525) | 0.032 (0.813) | 0.440 (11.176) | 0.190 (4.826) | 24.000 (609.600) |
| * 77-079 | 0.320 (8.128) | 0.100 (2.540) | 0.035 (0.889) | 0.156 (3.962) | 0.018 (0.457) | 0.210 (5.334) | 0.100 (2.540) | 16.000 (406.400) |
| 77-081 | 0.280 (7.112) | 0.110 (2.794) | 0.002 (0.051) | 0.187 (4.750) | 0.018 (0.457) | 0.180 (4.572) | 0.100 (2.540) | 24.000 (609.600) |
| * 77-082 | 1.100 (27.940) | 0.400 (10.160) | 0.005 (0.127) | 0.500 (12.700) | 0.040 (1.016) | 0.780 (19.812) | 0.420 (10.668) | 24.000 (609.600) |
| * 77-083 | 0.370 (9.398) | 0.130 (3.302) | 0.004 (0.102) | 0.125 (3.175) | 0.025 (0.635) | 0.100 (2.540) | 0.202 (5.131) | 16.000 (406.400) |
| * 77-084 | 0.370 (9.398) | 0.130 (3.302) | 0.004 (0.102) | 0.250 (6.350) | 0.025 (0.635) | 0.100 (2.540) | 0.202 (5.131) | 16.000 (406.400) |
| * 77-085 | 0.600 (15.240) | 0.220 (5.588) | 0.004 (0.102) | 0.375 (9.525) | 0.032 (0.813) | 0.150 (3.810) | 0.295 (7.493) | 18.000 (457.200) |
| * 77-086 | 0.320 (8.128) | 0.090 (2.286) | 0.003 (0.762) | 0.187 (4.750) | 0.018 (0.457) | 0.210 (5.334) | 0.100 (2.540) | 16.000 (406.400) |
| * 77-091 | 0.600 (15.240) | 0.220 (5.588) | 0.004 (0.102) | 0.375 (9.525) | 0.032 (0.813) | 0.780 (19.812) | 0.150 (3.810) | 18.000 (457.200) |
| * 77-092 | 0.600 (15.240) | 0.220 (5.588) | 0.004 (0.102) | 0.187 (4.750) | 0.032 (0.813) | 0.295 (7.493) | 0.150 (3.810) | 18.000 (457.200) |

* Available in UltraSoft® low compeession version as -78.

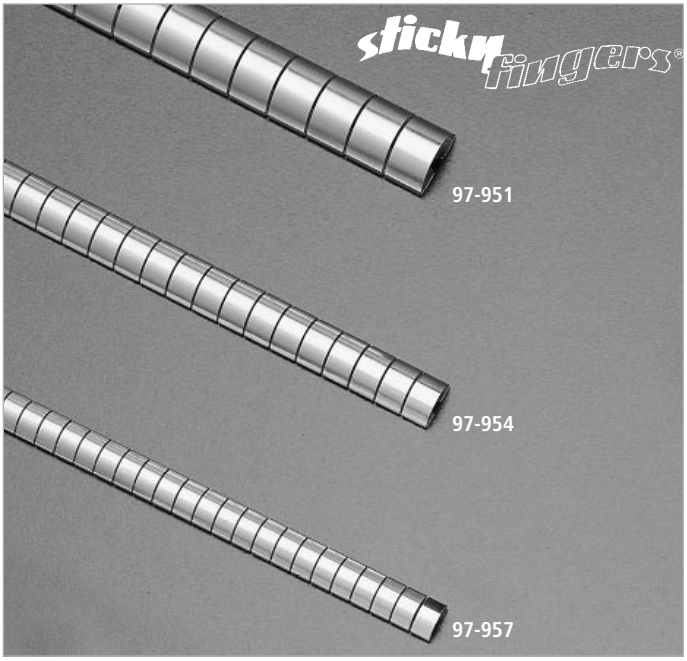


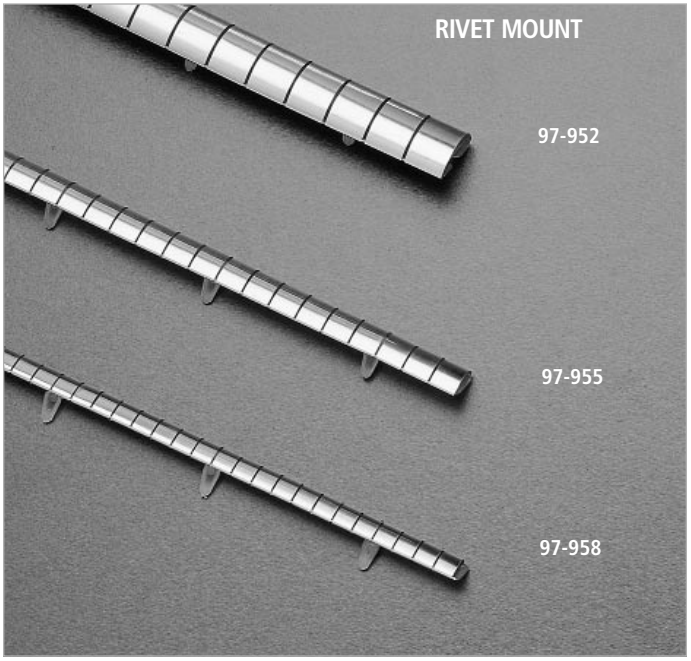



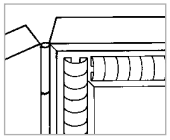

All dimensions shown are in inches (millimeters) unless otherwise specified.

# SYMMETRICAL ($S^3$) SLOTTED SHIELDING



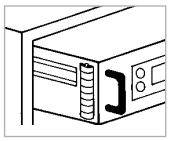




**Strips with Sticky Fingers® and Rivet Mounts exhibit typical attenuation >100 dB for a 100 MHz plane wave.**



## WITH STICKY FINGERS

Series 97-951/954/957 are low compression, adhesive-mounted beryllium copper shielding strips. Designed as a continuous band, the strip is slotted to permit spring contact throughout its length. A wide radius profile creates the greatest contact for maximum conductivity with minimum compression requirements. As with all Sticky Fingers shielding strips, a self-adhesive tape makes mounting easy and secure. All are available in your choice of finishes, see page 1-11. For load/deflection data, see page 2-33.



## WITH BI-DIRECTIONAL RIVET MOUNT

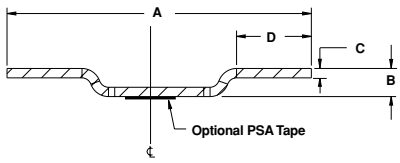
Series 97-952/955/958 are as described above, but with the addition of an integral pierced brass track to provide plastic push rivet mounting in a 0.125 in. (3.175 mm) diameter hole.

Designed especially for slide applications, this configuration allows total symmetrical compression action with bi-directional engagement. It is recommended for high temperature and/or extremely high side load situations, such as PC board connections and electronic drawers. All are available in your choice of finishes, see page 1-11. For load/deflection data, see page 2-33. Both are available in UltraSoft® low compression force 98-Series.

### $S^3$ SERIES

| SERIES | A | B | C | D |
|---|---|---|---|---|
| 95-901 | 0.284 (7.214) | 0.020 (0.508) | 0.010 (0.254) | 0.068 (1.727) |
| 95-902 | 0.325 (8.255) | 0.030 (0.762) | 0.010 (0.254) | 0.080 (2.032) |

95-901-902



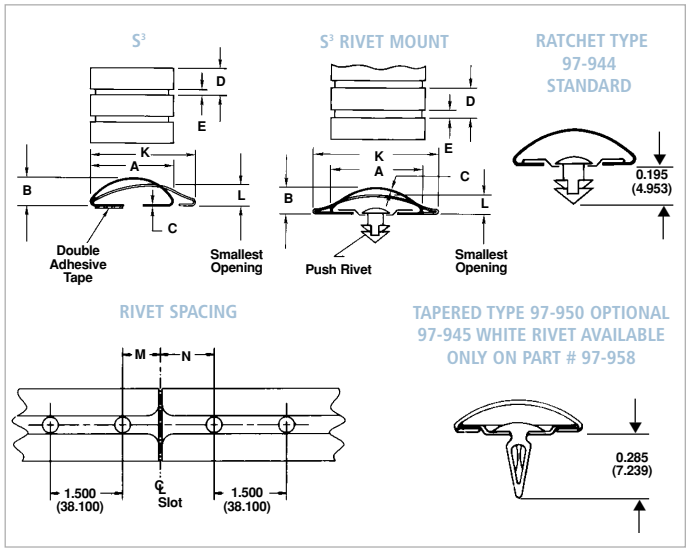

All dimensions shown are in inches (millimeters) unless otherwise specified.

### $S^3$ SERIES — STICKY FINGERS

| SERIES | A MIN. | B | C | D | E | K | L | APPROX. LENGTH |
|---|---|---|---|---|---|---|---|---|
| 97-951 | 0.620 (15.748) | 0.220 (5.588) | 0.004 (0.102) | 0.375 (9.525) | 0.030 (0.762) | 0.760 (19.304) | 0.100 (2.540) | 15.000 (381.000) |
| 97-954 | 0.450 (11.430) | 0.140 (3.556) | 0.003 (0.076) | 0.250 (6.350) | 0.022 (0.559) | 0.510 (12.954) | 0.070 (1.778) | 15.000 (381.000) |
| 97-957 | 0.350 (8.890) | 0.110 (2.794) | 0.003 (0.076) | 0.187 (4.750) | 0.018 (0.457) | 0.380 (9.652) | 0.055 (1.397) | 15.000 (381.000) |

### $S^3$ SERIES — RIVET MOUNT

| SERIES | A | B MIN. | C | D | E | K | L | APPROX. LENGTH | M | N | NO. OF RIVETS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 97-952 | 0.620 (15.748) | 0.220 (5.588) | 0.004 (0.102) | 0.375 (9.525) | 0.030 (0.762) | 0.760 (19.304) | 0.100 (2.540) | 15.000 (381.000) | 0.560 (14.224) | 0.940 (23.876) | 10 — |
| 97-955 | 0.450 (11.430) | 0.140 (3.556) | 0.003 (0.076) | 0.250 (6.350) | 0.022 (0.559) | 0.510 (12.954) | 0.070 (1.778) | 15.000 (381.000) | 0.630 (16.002) | 0.880 (22.352) | 10 — |
| 97-958 | 0.350 (8.890) | 0.110 (2.794) | 0.003 (0.076) | 0.187 (4.750) | 0.018 (0.457) | 0.380 (9.652) | 0.070 (1.778) | 15.000 (381.000) | 0.660 (16.764) | 0.840 (21.336) | 10 — |



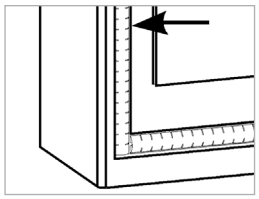

2 rivet types are available. Consult sales for more information.

# SOLID TOP ($S^3$) SYMMETRICAL SLOTTED SHIELDING GASKET

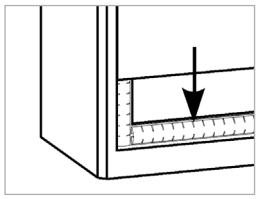
Laird Technologies offers their Solid Top Symmetrical Slotted Shielding Gaskets. This product is uniquely designed for those applications where a lid or cover is closed using a sliding motion to complete the closure. The solid top design allows the cover to slide either perpendicularly or parallel to the fingerstock without snagging or damaging the gasket.

The newly designed symmetrical shielding offers all the advantages of our $S^3$ series, having a large radius for maximum conductivity with minimum compression forces.

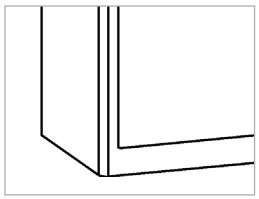
- Solid top provides an additional 10 dB of shielding effectiveness
- Offered in both rivet mount and tape mount versions
- Available with two types of rivets
- Generous radii provide maximum conductivity with minimum compression forces
- Parts can be modified and/or cut to any specific length
- For longitudinal sliding applications, a retention clip is recommended for secure mounting
- Available in standard or UltraSoft® (part numbers beginning with -98) versions



< View A - Computer tower side panel is moved sideways during the first step of installation.

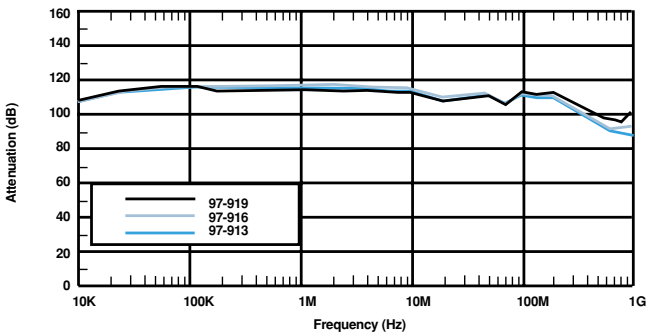


< View B - Next, the panel is moved downwards, sliding longitudinally on the vertical finger gasket.

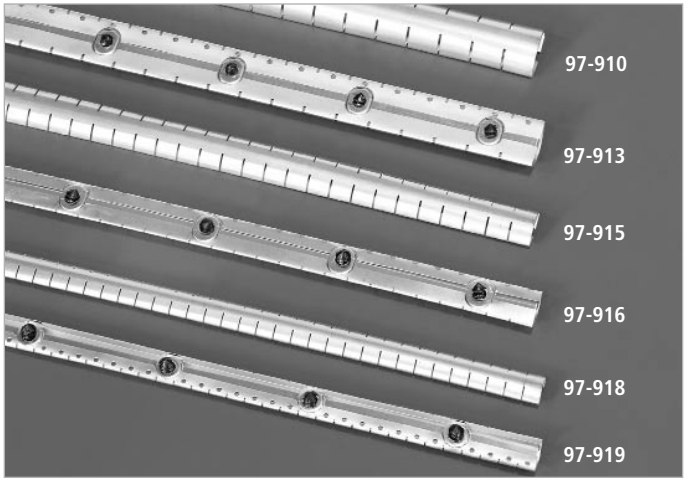


< View C - Fully installed panel is now compressing both finger gaskets.

### SOLID TOP $S^3$ TRANSFER IMPEDANCE




All dimensions shown are in inches (millimeters) unless otherwise specified.



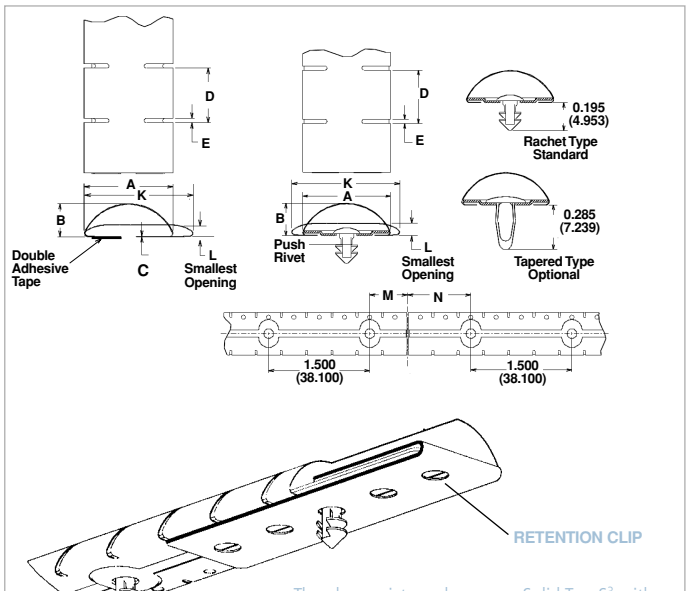

### SOLID TOP $S^3$ SERIES - STICKY FINGERS

| SERIES | A MIN. | B | C | D | E | K | L | APPROX. LENGTH |
|---|---|---|---|---|---|---|---|---|
| 97-910 | 0.620 (15.748) | 0.220 (5.588) | 0.004 (0.102) | 0.375 (9.525) | 0.030 (0.762) | 0.760 (19.304) | 0.100 (2.540) | 15.000 (381.000) |
| 97-915 | 0.450 (11.430) | 0.140 (3.556) | 0.003 (0.076) | 0.250 (6.350) | 0.022 (0.559) | 0.510 (12.954) | 0.070 (1.,778) | 15.000 (381.000) |
| 97-918 | 0.350 (8.890) | 0.110 (2.794) | 0.003 (0.076) | 0.187 (4.750) | 0.018 (0.457) | 0.380 (9.652) | 0.070 (1.778) | 15.000 (381.000) |

### SOLID TOP $S^3$ SERIES - RIVET MOUNT

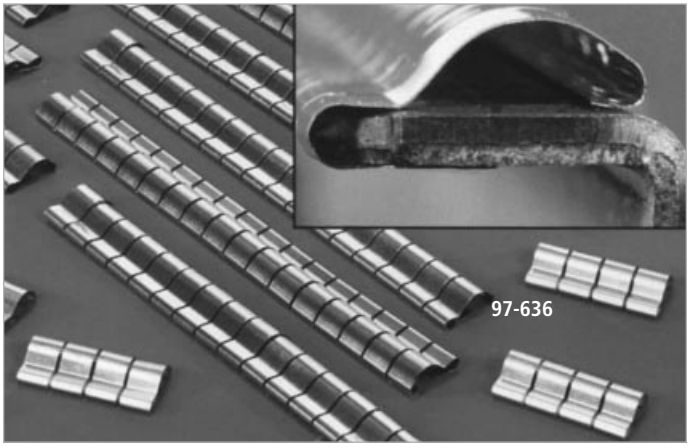
| SERIES | A MIN. | B | C | D | E | K | L | APPROX. LENGTH | M | N | NO. OF RIVETS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 97-913 | 0.620 (15.748) | 0.220 (5.588) | 0.004 (0.102) | 0.375 (9.525) | 0.030 (0.762) | 0.760 (19.304) | 0.100 (2.540) | 15.000 (381.000) | 0.560 (14.224) | 0.940 (23.876) | 10 — |
| 97-916 | 0.450 (11.430) | 0.140 (3.556) | 0.003 (0.076) | 0.250 (6.350) | 0.022 (0.559) | 0.510 (12.954) | 0.070 (1.778) | 15.000 (381.000) | 0.630 (16.002) | 0.880 (22.352) | 10 — |
| 97-919 | 0.350 (8.890) | 0.110 (2.794) | 0.003 (0.076) | 0.187 (4.750) | 0.018 (0.457) | 0.380 (9.652) | 0.070 (1.778) | 15.000 (381.000) | 0.660 (16.764) | 0.840 (21.336) | 10 |

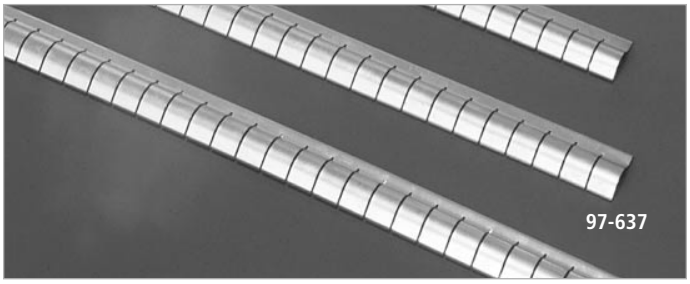
| RETENTION CLIP | PART NO. | RIVET MOUNT PART NO. |
|---|---|---|
| 97-964 | Used On | 97-919 |
| 97-965 | Used On | 97-916 |
| 97-966 | Used On | 97-913 |




The above picture shows our Solid Top $S^3$ with a retention clip. This clip is designed to ensure secure retention of actual fingerstock to track component.

# CLIP-ON SYMMETRICAL SHIELDING



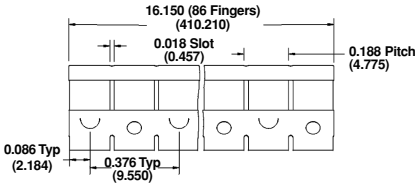




Laird Technologies has designed a new clip-on shielding gasket for applications where bi-directional engagement is required. The 97-636 and 97-637 Clip-On Symmetrical Shielding Gaskets have been designed to function equally well in applications requiring sliding movement or direct compression.

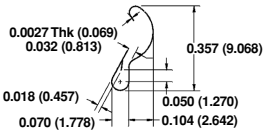
- Supplied with standard "D" lance ensuring secure holding power when snapped into a prefabricated hole
- "D" lance provides both multi-directional grip and excellent conductivity
- Wide radius profile allows for maximum contact with minimum compression force
- Clip-On feature allows part to be used in high temperature (above 250°F) applications where adhesives will not function
- Available in our UltraSoft®, 98-Series low force version
- Ideally suited for cardcage handles, PC board grounding or any other application requiring clip-on feature and wiping action
- Shielding effectiveness of 100 dB @ 100 MHz
- Available in a wide variety of plating finishes, see page 1-11
- For load/deflection data see pages 2-33

## 97-636

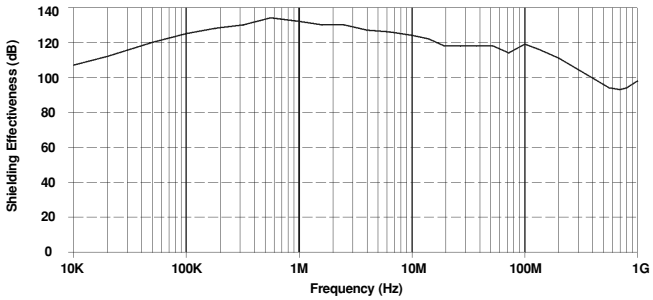
### FRONT VIEW




### SIDE VIEW



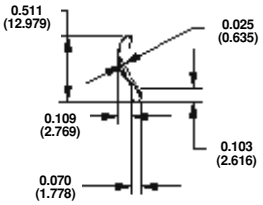

### TRANSFER IMPEDANCE TEST
### PART NO. 97-636



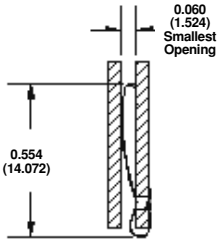

— Frequency vs. Shielding Effectiveness @ 50% Comp

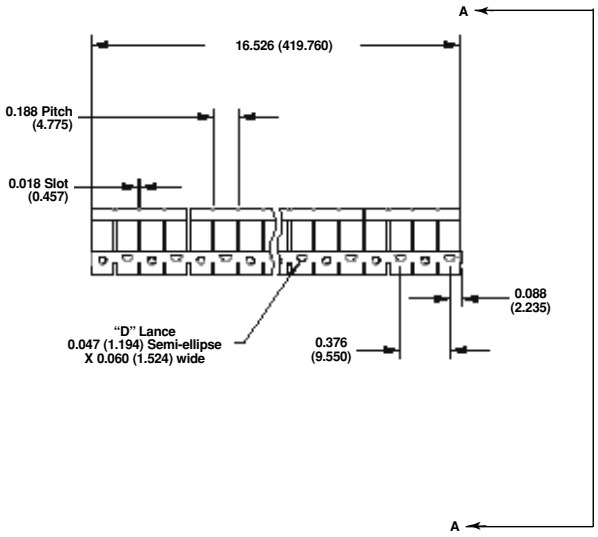
## 97-637

### SECTION A-A



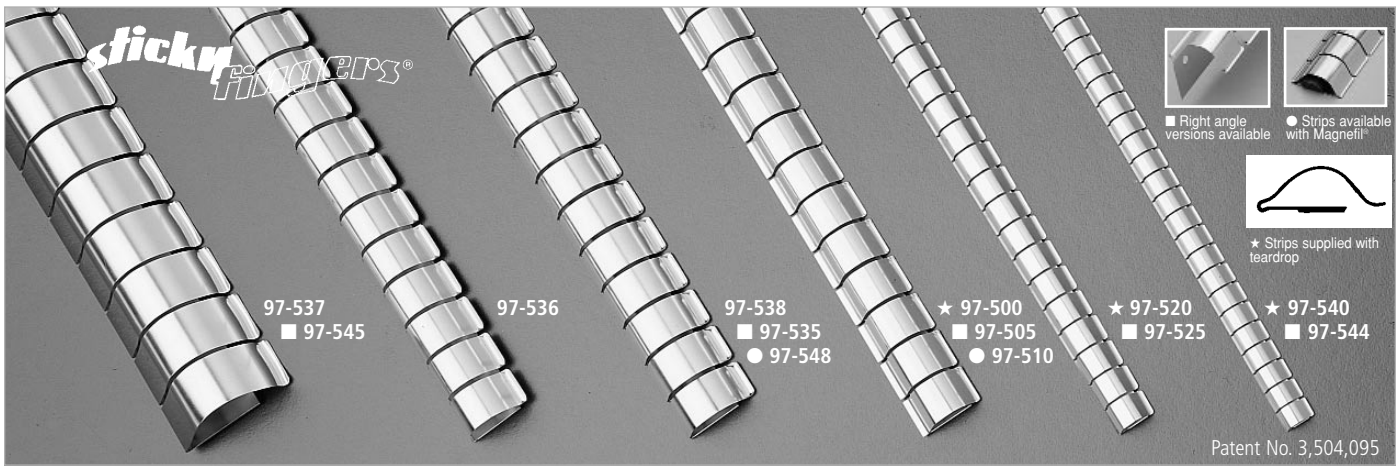

### COMPRESSION VIEW

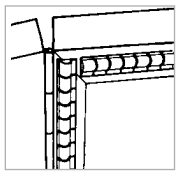



All dimensions shown are in inches (millimeters) unless otherwise specified.

# ALL-PURPOSE SERIES



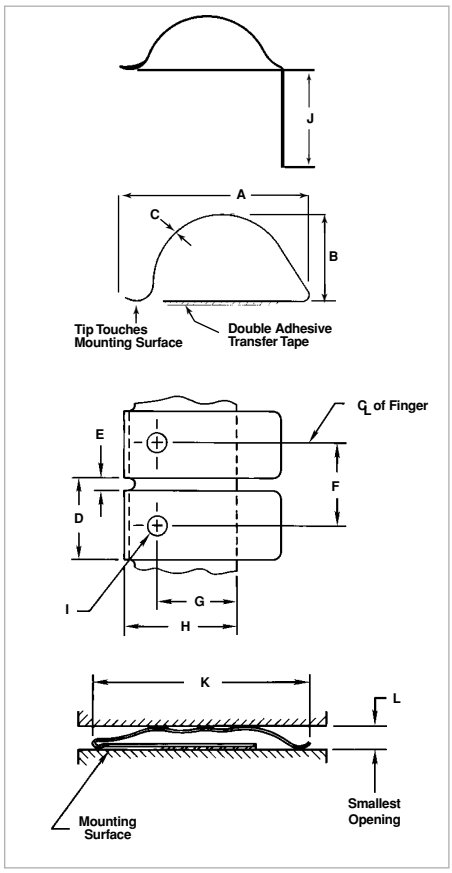
These versatile gaskets are made from high-performance beryllium copper with Sticky Fingers® self-adhesive backing. They provide an extremely tight, instant bond and are ideal as an all-purpose contact strip for metal cabinets and electronic enclosures, particularly where space is critical.

Magnetic field shielding effectiveness of these strips has been proven to be > 46 dB for a 14 kHz plane wave and 108 dB for a 10 GHz plane wave. When tested per MIL-STD-285 for electromagnetic shielding, these strips showed superior performance under minimum compression. They proved to be especially effective where variations exist in the space to be shielded and in applications that require high shielding performance despite frequent opening and closing of the cabinet.

Strips 97-500 and 97-538 are furnished in standard lengths of 24.000 in. (609.600 mm) and in continuous 25.0 ft. (7.6 m) coils. Series 97-520 and 97-540 are supplied in standard 16.000 in. (406.400 mm) lengths and in 25.0 ft. (7.6 m) coils. Strips 97-537, 97-535 and 97-545 are supplied in 12.000 in. (304.800 mm) lengths. All are available in your choice of finishes, see page 1-11. For load/deflection data, see page 2-33.

Please note that designated strips are available with Magnefil®, a rubber strip filled with magnetic absorbing particles and inserted within the curve of the fingers. Magnefil provides increased magnetic field shielding.

These 97-Series products are also available in UltraSoft® low compression force 98-Series.

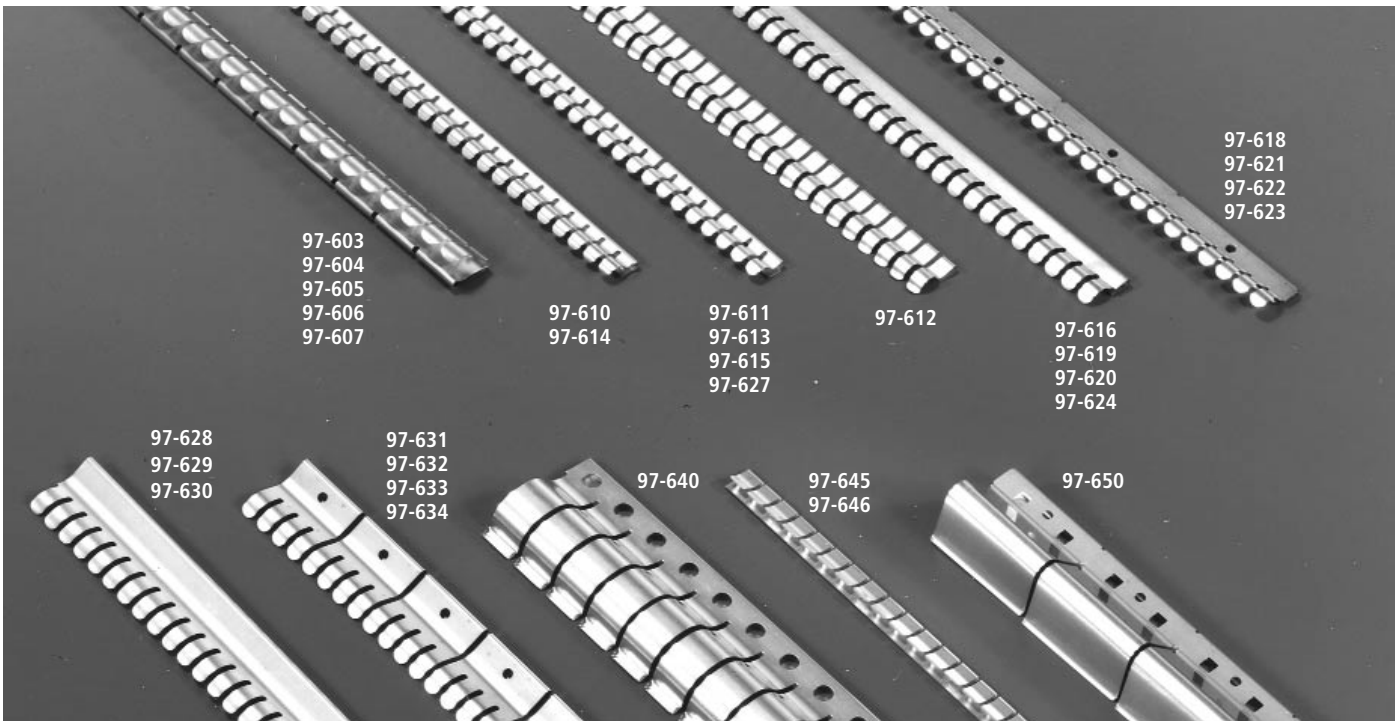



All dimensions shown are in inches (millimeters) unless otherwise specified.

## ALL-PURPOSE SERIES

| SERIES | A MIN. | B | C | D | E | F | G | H | I | J | K | L | APPROX. LENGTH | APPROX. COIL FT (M) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 97-500 | 0.600 (15.240) | 0.230 (5.842) | 0.004 (0.102) | 0.375 (9.525) | 0.032 (0.813) | 0.380 (9.652) | 0.310 (7.874) | 0.500 (12.700) | 0.080 (2.032) | N/A — | 0.770 (19.558) | 0.040 (1.016) | 24.000 (609.600) | 25.0 (7.6) |
| 97-505 | 0.600 (15.240) | 0.230 (5.842) | 0.004 (0.102) | 0.375 (9.525) | 0.032 (0.813) | 0.380 (9.652) | 0.310 (7.874) | N/A — | 0.080 (2.032) | 0.500 (12.700) | 0.770 (19.558) | 0.040 (1.016) | 24.000 (609.600) | 25.0 (7.6) |
| 97-510 | 0.600 (15.240) | 0.230 (5.842) | 0.004 (0.102) | 0.375 (9.525) | 0.032 (0.813) | 0.380 (9.652) | 0.310 (7.874) | 0.500 (12.700) | 0.080 (2.032) | N/A — | 0.770 (19.558) | 0.040 (1.016) | 24.000 (609.600) | 25.0 (7.6) |
| 97-520 | 0.370 (9.398) | 0.140 (3.556) | 0.003 (0.076) | 0.250 (6.350) | 0.022 (0.559) | 0.250 (6.350) | 0.090 (2.286) | 0.310 (7.874) | 0.060 (1.524) | N/A — | 0.500 (12.700) | 0.070 (1.778) | 16.000 (406.400) | 25.0 (7.6) |
| 97-525 | 0.370 (9.398) | 0.140 (3.556) | 0.003 (0.076) | 0.250 (6.350) | 0.022 (0.559) | 0.250 (6.350) | 0.090 (2.286) | N/A — | 0.060 (1.524) | 0.320 (8.128) | 0.500 (12.700) | 0.070 (1.778) | 16.000 (406.400) | 25.0 (7.6) |
| 97-527 | 0.280 (7.112) | 0.055 (1.397) | 0.002 (0.051) | 0.125 (3.175) | 0.025 (0.635) | N/A — | N/A — | 0.183 (4.648) | N/A — | N/A — | 0.300 (7.620) | 0.040 (1.016) | 16.000 (406.400) | N/A — |
| 97-535 | 0.780 (19.812) | 0.250 (6.350) | 0.005 (0.127) | 0.375 (9.525) | 0.040 (1.016) | 0.380 (9.652) | 0.380 (9.652) | N/A — | 0.140 (3.556) | 0.480 (12.192) | 0.940 (23.876) | 0.080 (2.032) | 12.000 (304.800) | 25.0 (7.6) |
| 97-536 | 0.670 (17.018) | 0.310 (7.874) | 0.004 (0.102) | 0.375 (9.525) | 0.040 (1.016) | 0.380 (9.652) | 0.380 (9.652) | 0.530 (13.462) | 0.140 (3.556) | N/A — | 0.940 (23.876) | 0.140 (3.556) | 24.000 (609.600) | 25.0 (7.6) |
| 97-537 | 1.130 (28.702) | 0.410 (10.414) | 0.007 (0.178) | 0.500 (12.700) | 0.040 (1.016) | 0.500 (12.700) | 0.560 (14.224) | 0.780 (19.812) | 0.140 (3.556) | N/A — | 1.940 (49.276) | 0.100 (2.540) | 12.000 (304.800) | N/A — |
| 97-538 | 0.780 (19.812) | 0.250 (6.350) | 0.005 (0.127) | 0.375 (9.525) | 0.040 (1.016) | 0.380 (9.652) | 0.380 (9.652) | 0.530 (13.462) | 0.140 (3.556) | N/A — | 0.940 (23.876) | 0.080 (2.032) | 24.000 (609.600) | 25.0 (7.6) |
| 97-540 | 0.280 (7.112) | 0.110 (2.794) | 0.003 (0.076) | 0.188 (4.775) | 0.018 (0.457) | 0.190 (4.826) | 0.080 (2.032) | 0.230 (5.842) | 0.060 (1.524) | N/A — | 0.370 (9.398) | 0.065 (1.651) | 16.000 (406.400) | 25.0 (7.6) |
| 97-544 | 0.260 (6.604) | 0.110 (2.794) | 0.003 (0.076) | 0.188 (4.775) | 0.018 (0.457) | 0.190 (4.826) | 0.080 (2.032) | N/A — | 0.060 (1.524) | 0.240 (6.096) | 0.370 (9.398) | 0.065 (1.651) | 16.000 (406.400) | 25.0 (7.6) |
| 97-545 | 1.130 (28.702) | 0.410 (10.414) | 0.007 (0.178) | 0.500 (12.700) | 0.040 (1.016) | 0.500 (12.700) | 0.560 (14.224) | N/A — | 0.140 (3.556) | 0.750 (19.050) | 1.940 (49.276) | 0.100 (2.540) | 12.000 (304.800) | N/A — |
| 97-548 | 0.780 (19.812) | 0.250 (6.350) | 0.005 (0.127) | 0.375 (9.525) | 0.040 (1.016) | 0.380 (9.652) | 0.380 (9.652) | 0.530 (13.462) | 0.140 (3.556) | N/A — | 0.940 (23.876) | 0.080 (2.032) | 24.000 (609.600) | 25.0 (7.6) |

# CLIP-ON SERIES




This series from Laird Technologies is designed for use where high temperature or other design considerations preclude the use of adhesive-mounted gasketing. Yet it provides the same shielding characteristics and effectiveness as on Sticky Fingers® mounted series. Clip-On Gaskets offer shielding effectiveness >100 dB for 100 MHz plane wave. All are available in your choice of finishes, see page 1-11. For load/deflection data, see pages 2-33.

These 97-Series products are also available in UltraSoft® low compression force 98-Series.

## SNAP-TITE® WITH "D" LANCE

This configuration has been designed specifically to provide outstanding holding power. "D" lances snap into drilled or punched holes in the mounting surface to create a strong omni-directional grip with excellent conductivity.

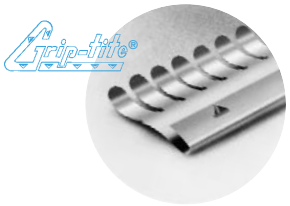
## GRIP-TITE® WITH "T" LANCE

Ideal for use with softer materials, such as aluminum or plated plastic. "T" lances bite into the mounting surface and preserve electrical conductivity.

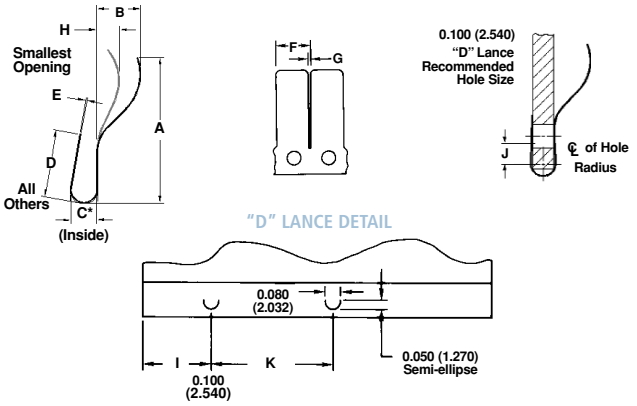
## MINI CLIP-ON

Laird Technologies' Mini Clip-On (97-645/646) Gaskets are designed for use on today's thinner, lighter materials.

- Lowest compression force available in clip-on configuration
- Virtually no compression set – 100% recovery of original height at up to 60% compression
- "D" lance for extra holding power
- Optimum conductivity and mechanical properties of beryllium copper
- High cycle life – 50,000 cycles without fracture, wear, or compression set

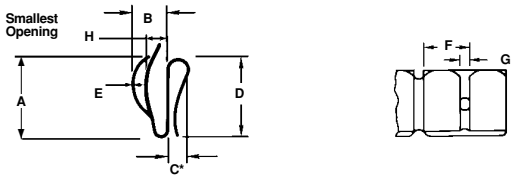



### VIEW 1



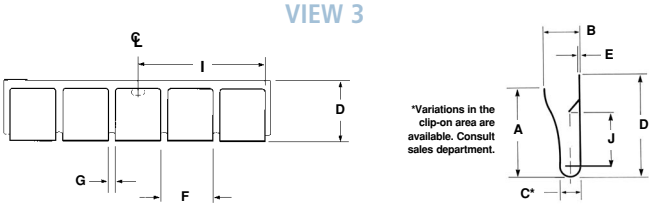

CLIP-ON SERIES
97-610/611/612/613/614/615/616/618/619/620/621/622/623/624
97-627/628/629/630/631/632/633/634/640

### VIEW 2




CLIP-ON SERIES 97-603/604/605/606/607

### VIEW 3




MINI CLIP-ON 97-645/646

All dimensions shown are in inches (millimeters) unless otherwise specified.

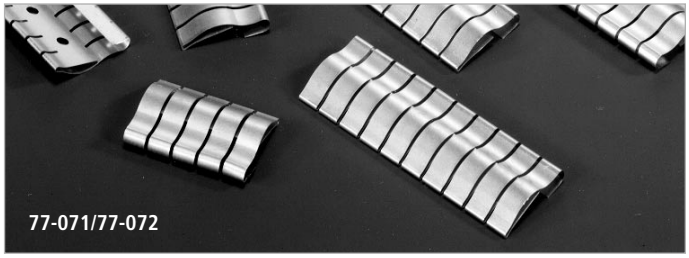
## CLIP-ON SERIES

| VIEW | SERIES | A | B | C | D | E | F | G | H | APPROX. LENGTH | NO LANCE NL | SQUARE LANCE SQ | GRIP-TITE® "T" LANCE GT | SNAP-TITE® "D" LANCE ST | LANCE LOCATIONS DIMENSIONS I | J | LANCE TO LANCE DIMS. K | BODY STYLE SLOT | SOL. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 97-603 | 0.380 (9.652) | 0.200 (5.080) | 0.100 (2.540) | 0.330 (8.382) | 0.005 (0.127) | 0.250 (6.350) | 0.040 (1.016) | 0.060 (1.524) | 16.000 (406.400) | — — | — — | — — | X — | 0.250 (6.350) | 0.099 (2.515) | 0.500 (12.700) | X — | — — |
| 2 | 97-604 | 0.330 (8.382) | 0.280 (7.112) | 0.070 (1.778) | 0.380 (9.652) | 0.005 (0.127) | 0.250 (6.350) | 0.040 (1.016) | 0.100 (2.540) | 16.000 (406.400) | — — | — — | X — | — — | 0.230 (5.842) | 0.204 (5.182) | 0.500 (12.700) | X — | — — |
| 2 | 97-605 | 0.380 (9.652) | 0.200 (5.080) | 0.070 (1.778) | 0.380 (9.652) | 0.005 (0.127) | 0.250 (6.350) | 0.040 (1.016) | 0.060 (1.524) | 16.000 (406.400) | — — | — — | X — | — — | 0.230 (5.842) | 0.204 (5.182) | 0.500 (12.700) | X — | — — |
| 2 | 97-606 | 0.380 (9.652) | 0.200 (5.080) | 0.070 (1.778) | 0.380 (9.652) | 0.005 (0.127) | 0.250 (6.350) | 0.040 (1.016) | 0.060 (1.524) | 16.000 (406.400) | — — | — — | — — | X — | 0.250 (6.350) | 0.161 (4.089) | 0.500 (12.700) | X — | — — |
| 2 | 97-607 | 0.330 (8.382) | 0.280 (7.112) | 0.070 (1.778) | 0.380 (9.652) | 0.005 (0.127) | 0.250 (6.350) | 0.040 (1.016) | 0.100 (2.540) | 16.000 (406.400) | — — | — — | — — | X — | 0.250 (6.350) | 0.161 (4.089) | 0.500 (12.700) | X — | — — |
| 1 | 97-610 | 0.300 (7.620) | 0.100 (2.540) | 0.070 (1.778) | 0.190 (4.826) | 0.005 (0.127) | 0.187 (4.750) | 0.047 (1.194) | 0.065 (1.651) | 16.000 (406.400) | X — | — — | # — | # — | — — | — — | — — | — — | X — |
| 1 | 97-611 | 0.300 (7.620) | 0.100 (2.540) | 0.070 (1.778) | 0.190 (4.826) | 0.005 (0.127) | 0.182 (4.623) | 0.047 (1.194) | 0.060 (1.524) | 16.000 (406.400) | — — | — — | X — | — — | 0.364 (9.246) | 0.062 (1.575) | 0.728 (18.491) | X — | — — |
| 1 | 97-612 | 0.440 (11.176) | 0.100 (2.540) | 0.070 (1.778) | 0.190 (4.826) | 0.003 (0.076) | 0.187 (4.750) | 0.047 (1.194) | 0.045 (1.143) | 16.000 (406.400) | # — | X — | — — | — — | 0.093 (2.362) | 0.050 (1.270) | 0.750 (19.050) | X — | — — |
| 1 | 97-613 | 0.300 (7.620) | 0.100 (2.540) | 0.070 (1.778) | 0.190 (4.826) | 0.005 (0.127) | 0.182 (4.623) | 0.047 (1.194) | 0.060 (1.524) | 16.000 (406.400) | — — | — — | — — | X — | 0.364 (9.246) | 0.054 (1.372) | 0.728 (18.491) | X — | — — |
| 1 | 97-614 | 0.300 (7.620) | 0.100 (2.540) | 0.050 (1.270) | 0.190 (4.826) | 0.005 (0.127) | 0.187 (4.750) | 0.047 (1.194) | 0.065 (1.651) | 16.000 (406.400) | X — | — — | # — | # — | — — | — — | — — | — — | X — |
| 1 | 97-615 | 0.297 (7.544) | 0.100 (2.540) | 0.050 (1.270) | 0.187 (4.750) | 0.005 (0.127) | 0.182 (4.623) | 0.047 (1.194) | 0.050 (1.270) | 16.000 (406.400) | — — | — — | — — | X — | 0.364 (9.246) | 0.309 (7.849) | 0.728 (18.491) | — — | X — |
| 1 | 97-616 | 0.420 (10.668) | 0.120 (3.048) | 0.100 (2.540) | 0.250 (6.350) | 0.005 (0.127) | 0.187 (4.750) | 0.047 (1.194) | 0.095 (2.413) | 16.000 (406.400) | X — | — — | — — | — — | — — | — — | — — | — — | X — |
| 1 | 97-618 | 0.420 (10.668) | 0.140 (3.556) | 0.060 (1.524) | 0.210 (5.334) | 0.005 (0.127) | 0.187 (4.750) | 0.047 (1.194) | 0.080 (1.778) | 16.000 (406.400) | — — | — — | — — | X — | 0.500 (12.700) | 0.065 (1.651) | 1.000 (25.400) | — — | X — |
| 1 | 97-619 | 0.440 (11.176) | 0.080 (2.032) | 0.050 (1.270) | 0.190 (4.826) | 0.005 (0.127) | 0.187 (4.750) | 0.047 (1.194) | 0.045 (1.143) | 16.000 (406.400) | X — | — — | # — | # — | — — | — — | — — | — — | X — |
| 1 | 97-620 | 0.440 (11.176) | 0.080 (2.032) | 0.070 (1.778) | 0.190 (4.826) | 0.005 (0.127) | 0.187 (4.750) | 0.047 (1.194) | 0.045 (1.143) | 16.000 (406.400) | X — | — — | # — | # — | — — | — — | — — | — — | X — |
| 1 | 97-621 | 0.440 (11.176) | 0.120 (3.048) | 0.070 (1.778) | 0.230 (5.842) | 0.005 (0.127) | 0.193 (4.902) | 0.046 (1.168) | 0.070 (1.778) | 16.000 (406.400) | — — | — — | X — | — — | 0.652 (16.561) | 0.084 (2.134) | 1.351 (34.315) | X — | — — |
| 1 | 97-622 | 0.440 (11.176) | 0.120 (3.048) | 0.070 (1.778) | 0.190 (4.826) | 0.005 (0.127) | 0.193 (4.902) | 0.046 (1.168) | 0.075 (1.905) | 16.000 (406.400) | — — | — — | — — | X — | 0.290 (7.366) | 0.060 (1.524) | 0.725 (18.415) | X — | — — |
| 1 | 97-623 | 0.420 (10.668) | 0.080 (2.032) | 0.070 (1.778) | 0.187 (4.750) | 0.005 (0.127) | 0.187 (4.750) | 0.047 (1.194) | 0.045 (1.143) | 16.000 (406.400) | — — | — — | — — | X — | 0.530 (13.462) | 0.064 (1.626) | 1.000 ( 25.400) | — — | X — |
| 1 | 97-624 | 0.420 (10.668) | 0.140 (3.556) | 0.060 (1.524) | 0.210 (5.334) | 0.005 (0.127) | 0.187 (4.750) | 0.047 (1.194) | 0.080 (2.032) | 16.000 (406.400) | X — | — — | — — | — — | — — | — — | — — | — — | X — |
| 1 | 97-627 | 0.297 (7.544) | 0.099 (2.515) | 0.070 (1.778) | 0.187 (4.750) | 0.005 (0.127) | 0.187 (4.750) | 0.047 (1.194) | 0.049 (1.245) | 16.000 (406.400) | — — | — — | — — | X — | 0.280 (7.112) | 0.049 (1.245) | 0.748 (19.000) | — — | X — |
| 1 | 97-628 | 0.600 (15.240) | 0.210 (5.334) | 0.100 (2.540) | 0.230 (5.842) | 0.005 (0.127) | 0.187 (4.750) | 0.047 (1.194) | 0.070 (1.778) | 16.000 (406.400) | X — | — — | # — | # — | — — | — — | — — | — — | X — |
| 1 | 97-629 | 0.600 (15.240) | 0.210 (5.334) | 0.050 (1.270) | 0.190 (4.826) | 0.005 (0.127) | 0.187 (4.750) | 0.047 (1.194) | 0.070 (1.778) | 16.000 (406.400) | X — | — — | # — | # — | — — | — — | — — | — — | X — |
| 1 | 97-630 | 0.600 (15.240) | 0.210 (5.334) | 0.070 (1.778) | 0.190 (4.826) | 0.005 (0.127) | 0.187 (4.750) | 0.047 (1.194) | 0.070 (1.778) | 16.000 (406.400) | X — | — — | # — | # — | — — | — — | — — | — — | X — |
| 1 | 97-631 | 0.600 (15.240) | 0.210 (5.334) | 0.070 (1.778) | 0.190 (4.826) | 0.005 (0.127) | 0.182 (4.623) | 0.047 (1.194) | 0.080 (2.032) | 16.000 (406.400) | — — | — — | X — | — — | 0.364 (9.246) | 0.058 (1.473) | 0.728 (18.491) | X — | — — |
| 1 | 97-632 | 0.600 (15.240) | 0.210 (5.334) | 0.070 (1.778) | 0.190 (4.826) | 0.005 (0.127) | 0.182 (4.623) | 0.047 (1.194) | 0.080 (2.032) | 16.000 (406.400) | — — | — — | — — | X — | 0.364 (9.246) | 0.058 (1.473) | 0.728 (18.491) | X — | — — |
| 1 | 97-633 | 0.600 (15.240) | 0.210 (5.334) | 0.050 (1.270) | 0.190 (4.826) | 0.005 (0.127) | 0.182 (4.623) | 0.047 (1.194) | 0.080 (2.032) | 16.000 (406.400) | — — | — — | X — | — — | 0.364 (9.246) | 0.058 (1.473) | 0.728 (18.491) | X — | — — |
| 1 | 97-634 | 0.600 (15.240) | 0.210 (5.334) | 0.050 (1.270) | 0.190 (4.826) | 0.005 (0.127) | 0.182 (4.623) | 0.047 (1.194) | 0.080 (2.032) | 16.000 (406.400) | — — | — — | — — | X — | 0.364 (9.246) | 0.058 (1.473) | 0.728 (18.491) | X — | — — |
| 1 | 97-640 | 1.090 (27.686) | 0.260 (6.604) | 0.070 (1.778) | 0.280 (7.112) | 0.005 (0.127) | 0.375 (9.525) | 0.040 (1.016) | 0.060 (1.524) | 16.000 (406.400) | X — | — — | # — | # — | — — | — — | — — | — — | X — |
| 3 | 97-645 | 0.210 (5.334) | 0.070 (1.778) | 0.045 (1.143) | 0.250 (6.350) | 0.003 (0.076) | 0.200 (5.080) | 0.030 (0.762) | 0.010 (0.254) | 24.000 (609.600) | — — | — — | — — | X — | 0.485 (12.319) | 0.133 (3.378) | 1.000 (25.400) | X — | — — |
| 3 | 97-646 | 0.275 (6.985) | 0.080 (2.036) | 0.040 (1.016) | 0.280 (7.112) | 0.006 (0.152) | 0.250 (6.350) | 0.030 (0.762) | 0.030 (0.762) | 24.000 (609.600) | — — | — — | — — | X — | 0.500 (12.700) | 0.143 (12.700) | 1.000 (25.400) | — — | X — |
| 1 | 97-650 | 0.980 (24.892) | 0.400 (10.160) | 0.200 (5.080) | 0.300 (7.620) | 0.004 (0.102) | 1.000 (25.400) | 0.030 (0.762) | 0.200 (5.080) | 16.000 (406.400) | # — | # — | — — | — — | 0.192 (4.877) | 0.120 (3.048) | 0.486 (12.344) | X — | — — |

All dimensions shown are in inches (millimeters) unless otherwise specified.

X Standard # Optional

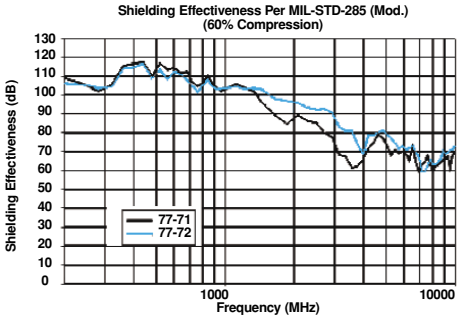
# LOW PROFILE HOOK-ON GASKET

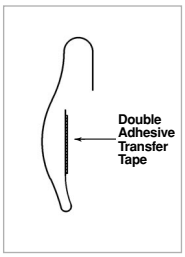


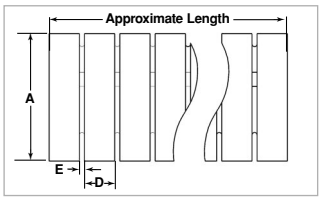

Laird Technologies offers its line of low profile beryllium copper shielding fingerstock. Simple installation is accomplished by hooking one end of the gasket onto the edge of the housing. The other end is secured with pressure sensitive adhesive (PSA) with extra-wide release liner and designed with a teardrop feature to improve surface contact. Ideally suited for low profile, bi-directional applications such as the rack mounting of linecards in telecommunications equipment. The gaskets offer high shielding performance in applications where space may be limited.

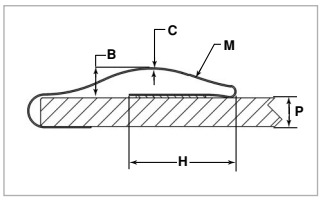
- Dual attachment provides a no snag gasket with secure retention, which allows bi-directional wiping action
- Incorporates extra wide release liner to facilitate easy installation
- Wide variety of plating finishes are available to meet your galvanic compatibility requirements
- Offered in standard lengths of 16.200 in. (411.480 mm) or cut to your desired length
- Available in UltraSoft® (-78) low force version

FIGURE 1



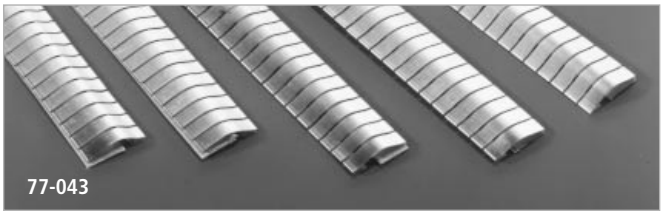




## DIMENSIONS

| SERIES | A | B | C | D | E | H | M | P | APPROX. LENGTH | NO. OF FINGERS |
|---|---|---|---|---|---|---|---|---|---|---|
| 77-071 | 0.450 (11.430) | 0.060 (1.524) | 0.004 (0.102) | 0.125 (3.175) | 0.018 (0.457) | 0.267 (6.782) | 0.200 (5.080) | 0.062 (1.575) | 16.200 (411.480) | 130 |
| 77-072 | 0.600 (15.240) | 0.090 (2.286) | 0.004 (0.102) | 0.125 (3.175) | 0.018 (0.457) | 0.329 (8.357) | 0.200 (5.080) | 0.062 (1.575) | 16.200 (411.480) | 130 |



# LOW PROFILE GASKET



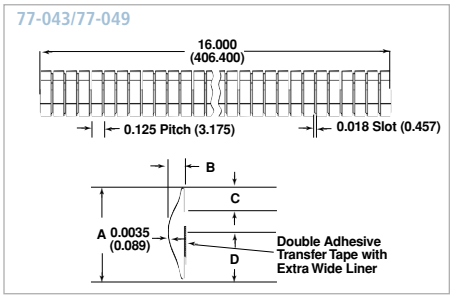

Laird Technologies offers its line of low profile beryllium copper shielding fingerstock. The gaskets are provided with pressure sensitive adhesive tape with an extra wide release liner to facilitate secure placement and ease of application.

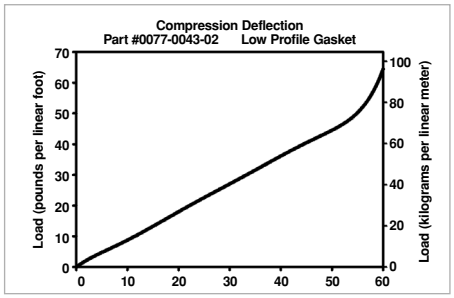
- Ideally suited for limited space applications as low as 0.060 in. (1.524 mm)
- Works well in both compression and bi-directional applications
- High shielding effectiveness; average 90dB from 10 kHz to 1GHz
- Extra wide release liner of pressure sensitive tape provides for easy, cost-effective installation
- Low compression force
- Available in a wide variety of plated finishes to meet your galvanic compatibility needs
- Available in UltraSoft (-78) low force version
- Offered in standard lengths of 16.000 in. (406.400 mm), or cut to your desired length

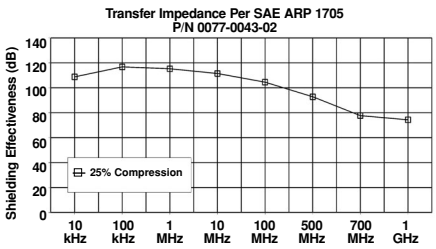
## LOW PROFILE SERIES

| SERIES | A | B | C | D |
|---|---|---|---|---|
| 77-043 | 0.450 (11.430) | 0.080 (2.032) | 0.121 (3.073) | 0.262 (6.665) |
| 77-049 | 0.600 (15.240) | 0.120 (3.048) | 0.162 (4.115) | 0.347 (8.814) |

77-043/77-049




All dimensions shown are in inches (millimeters) unless otherwise specified.

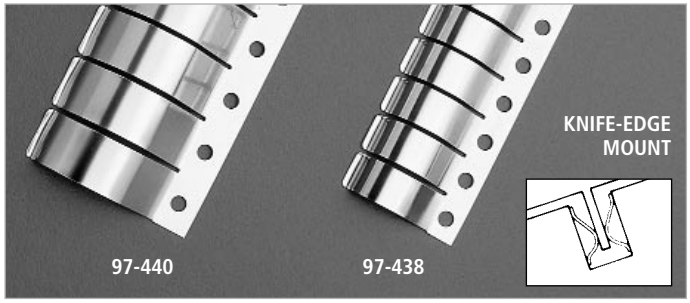
# LARGE ENCLOSURE SERIES

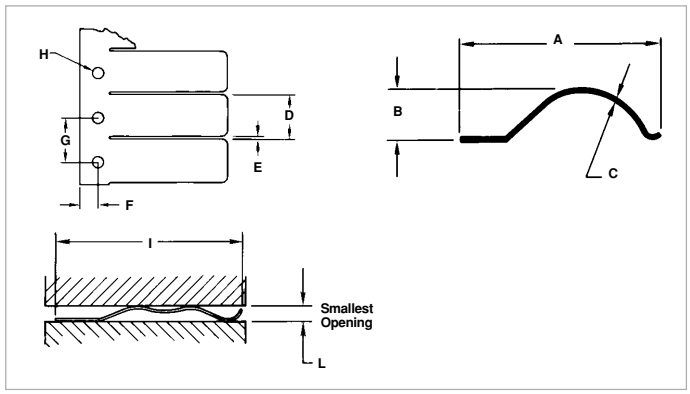
These standard beryllium copper contact gaskets offer ideal RFI/EMI shielding of doors and movable components in electronic shielded rooms, trailers, computers and communication equipment.

They have been scientifically designed for wiping closures, but are also usable in compression applications. Moreover, these contact strips feature extremely good endurance life, as well as a high deflection range. In tests, attenuation up to 112 dB has been measured for a 100 MHz plane wave. Fastening of the strip is usually accomplished using screws or rivets. Soldering is optional.

Both are available in continuous lengths to a maximum of 25.0 ft. (7.6 m) and in all standard finishes, see page 1-11. For load/deflection data, see page 2-33.

These 97-Series products are also available in UltraSoft® low compression force 98-Series.




### LARGE ENCLOSURE SERIES

| SERIES | A REF. | B MIN | C | D | E | F | G | H DIA. | I | L | APPROX. LENGTH FT. (M) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 97-438 | 1.090 (27.686) | 0.250 (6.350) | 0.005 (0.127) | 0.375 (9.525) | 0.040 (1.016) | 0.160 (4.064) | 0.380 (9.652) | 0.140 (3.556) | 1.270 (32.258) | 0.080 (2.032) | 25.000 (7.6) |
| 97-440 | 1.630 (41.402) | 0.410 (10.414) | 0.007 (0.178) | 0.500 (12.700) | 0.040 (1.016) | 0.190 (4.826) | 0.500 (12.700) | 0.140 (3.556) | 1.900 (48.260) | 0.100 (2.540) | 25.000 (7.6) |

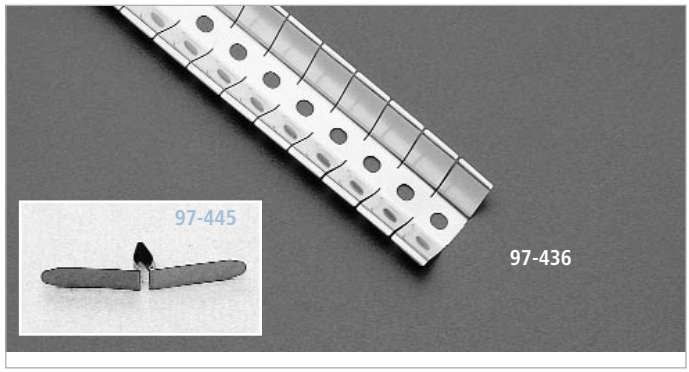


# DOUBLE-SIDED CONTACT STRIPS

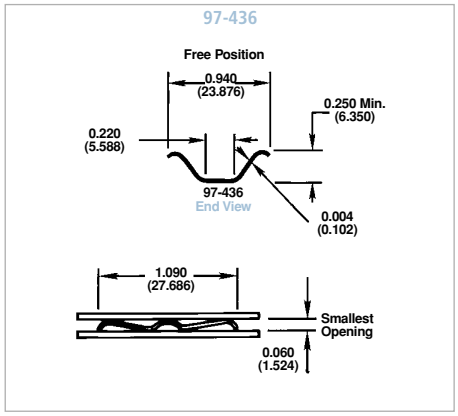
Mechanically balanced strips with high deflection range and long endurance life-provide a perfect fit as spring clips hold the gaskets firmly in place. It means more simplified design and construction of cabinets and enclosures. Attenuation > 102 dB for a 100 MHz plane wave has been measured using Series 97-436 gaskets. For standard finishes, see page 1-11. For load/deflection data, see page 2-33. These 97-Series products are also available in UltraSoft low compression force 98-Series.

## QUICK SPRING CLIP FASTENERS (97-445)

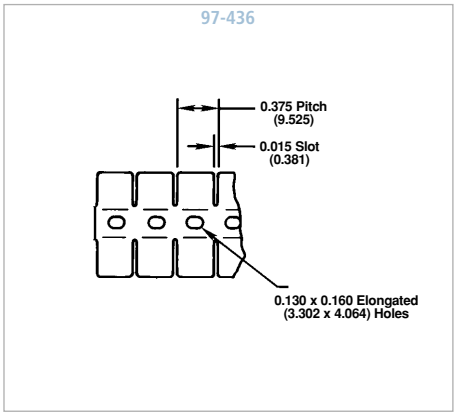
Designed for use with Series 97-436 finger gaskets, spring clip fasteners permit full strip compression. Easy to install, they permit lifting of gasket for cleaning of contact surface. Packaged in lots of 1,000. Available in standard finishes, see page 1-11.



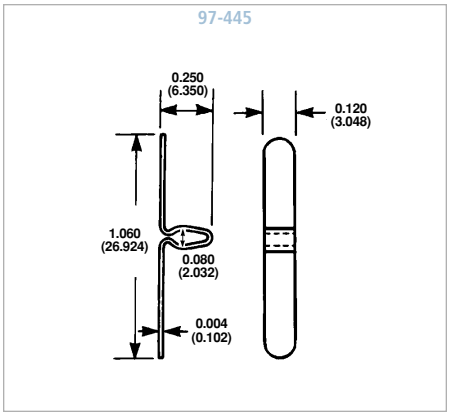

97-436




97-436



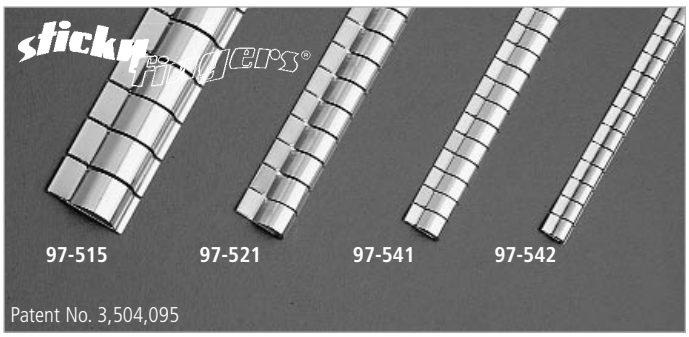

97-445

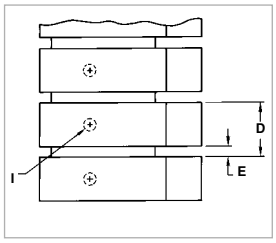


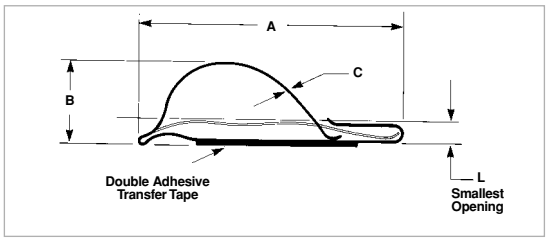

All dimensions shown are in inches (millimeters) unless otherwise specified.

Λ Quick Spring Clip Fastener provides full strip compression; allows lifting of product for cleaning of contact surface.

# FOLDOVER SERIES




This version of Sticky Fingers® beryllium copper shielding gaskets features a special U-shaped end that permits the finger of the strip to slide when enclosure doors are closed. It also retains the strip's fingers when enclosure doors are open, thus preventing accidental damage to the fingers. Shielding effectiveness is >115 dB for a 100 MHz plane wave.

Four models provide you a choice of widths to suit your application. They are available in standard 16.000 in. (406.400 mm) lengths, except 97-515 which is furnished in 24.000 in. (609.600 mm) lengths. Also, all styles are available in continuous 25.0 ft. (7.6 m) coils, and in your choice of all finishes except tin lead and satin tin, see page 1-11. For load/deflection data, see page 2-33.

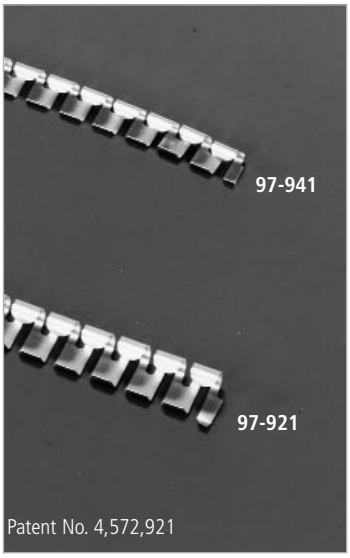
These 97-Series products are also available in UltraSoft® low compression force 98-Series.

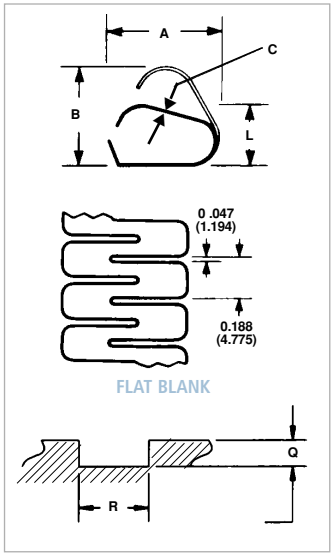
### FOLDOVER SERIES

| SERIES | A | B | C | D PITCH | E SLOT | I DIA. | L | APPROX. LENGTH IN. (MM) | APPROX. COIL FT. (M) |
|---|---|---|---|---|---|---|---|---|---|
| 97-515 | 0.760 (19.304) | 0.230 (5.842) | 0.004 (0.102) | 0.375 (9.525) | 0.032 (0.813) | 0.080 (2.032) | 0.060 (1.524) | 24.000 (609.600) | 25.0 (7.6) |
| 97-521 | 0.510 (12.954) | 0.140 (3.556) | 0.003 (0.076) | 0.250 (6.350) | 0.022 (0.559) | 0.060 (1.524) | 0.070 (1.778) | 16.000 (406.400) | 25.0 (7.6) |
| 97-541 | 0.380 (9.652) | 0.120 (3.048) | 0.003 (0.076) | 0.188 (4.775) | 0.018 (0.457) | 0.060 (1.524) | 0.050 (1.270) | 16.000 (406.400) | 25.0 (7.6) |
| 97-542 | 0.250 (6.350) | 0.080 (2.032) | 0.003 (0.076) | 0.188 (4.775) | 0.018 (0.457) | 0.060 (1.524) | 0.050 (1.270) | 16.000 (406.400) | 25.0 (7.6) |



# FLEXIBLE LOW COMPRESSION SERIES




Series 97-941/921 are low compression, flexible beryllium copper contact strips for applications where a continuous shield must conform to irregular shapes and turn tight radius corners in either direction.

Simple snap-in installation is possible for Series 97-921 with 0.250 in. (6.350 mm) slots and 97-941 with 0.190 in. (4.826 mm) slots. However, soft solder or conductive adhesive can be used for mounting to flat surfaces.

Shielding effectiveness is >115 dB for a 100 MHz plane wave.

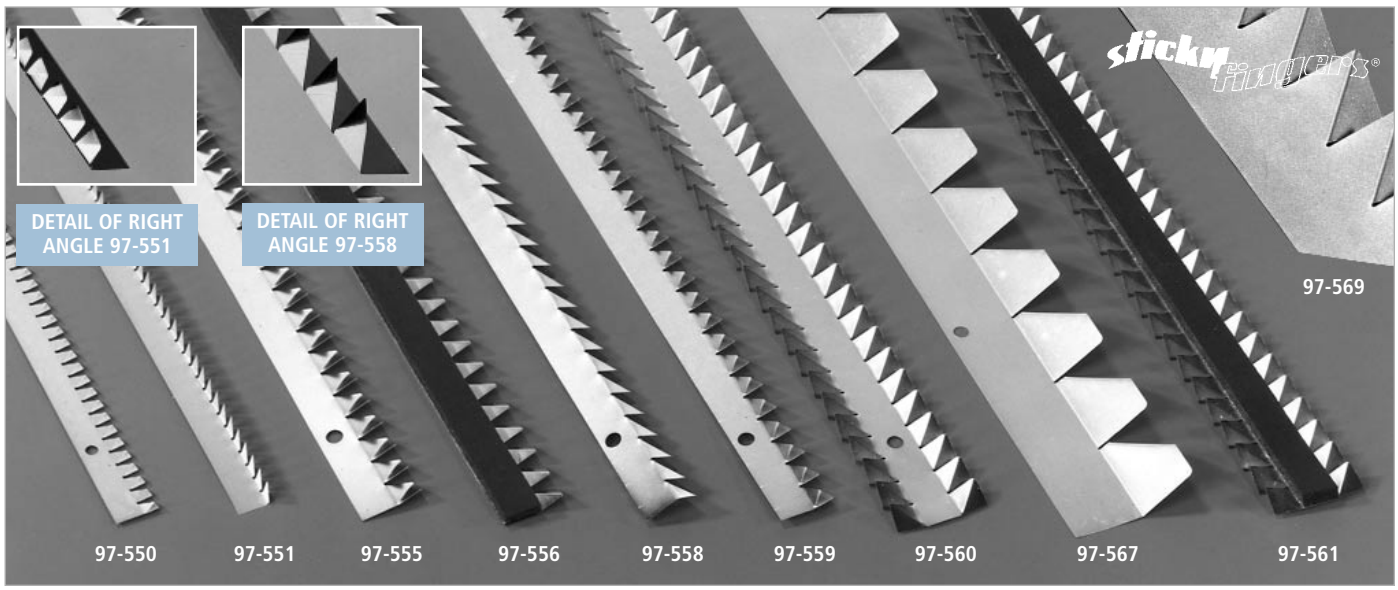
Available in standard 24.000 in. (609.600 mm) lengths in all standard finishes, see page 1-11. For load/deflection data, see page 2-33.

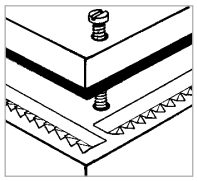
### FLEXIBLE LOW COMPRESSION SERIES

| SERIES | A | B | C | L | Q | R | APPROX. LENGTH |
|---|---|---|---|---|---|---|---|
| 97-921 | 0.260 (6.604) | 0.230 (5.842) | 0.003 (0.076) | 0.140 (3.556) | 0.120 (3.048) | 0.250 (6.350) | 24.0 (609.600) |
| 97-941 | 0.200 (5.080) | 0.170 (4.318) | 0.003 (0.076) | 0.110 (2.794) | 0.090 (2.286) | 0.190 (4.826) | 24.0 (609.600) |

All dimensions shown are in inches (millimeters) unless otherwise specified.

# TWIST SERIES



Adhesive-mounted beryllium copper contact strips with scientific twist design offer narrow electronic gaskets for general shielding applications.

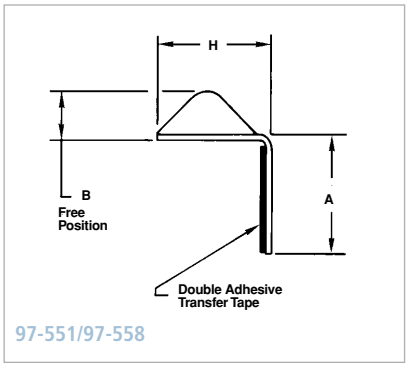
Different widths are available to suit your specific application for single edge contact strips. Also available are two 90 degree versions (Series 97-551 and 97-558) to provide alternate mounting capability. Series 97-555, 97-558 and 97-559 provide shielding effectiveness > 100 dB for a 100 MHz plane wave, ideal for all types of panel or electronic enclosures. Series 97-550, 97-551 and 97-560 provide shielding effectiveness > 115 dB for a 100 MHz plane wave. Series 97-560 strips are especially suitable for cabinets with panel divider bars. Their unique double-edge design permits panels to be removed easily and replaced without damage to the installed strip.

All Twist Series strips are furnished in 24.000 in. (609.600 mm) lengths. Strips (except 97-551 and 97-558) are also available in standard 25.0 ft. (7.6 m) coils. Right angle product configurations are not available in coils. All are available in your choice of finishes, see page 1-11. For load/deflection data, see page 2-33.

## COMBINATION ENVIRONMENTAL RUBBER GASKET

Series 97-556 and 97-561 are versions of 97-555 and 97-560, respectively, incorporating a Poron® rubber gasket to act as an environmental shield, offering a high degree of protection against dust and moisture. All are available in your choice of finishes, see page 1-11. For load/deflection data, see page 2-33.

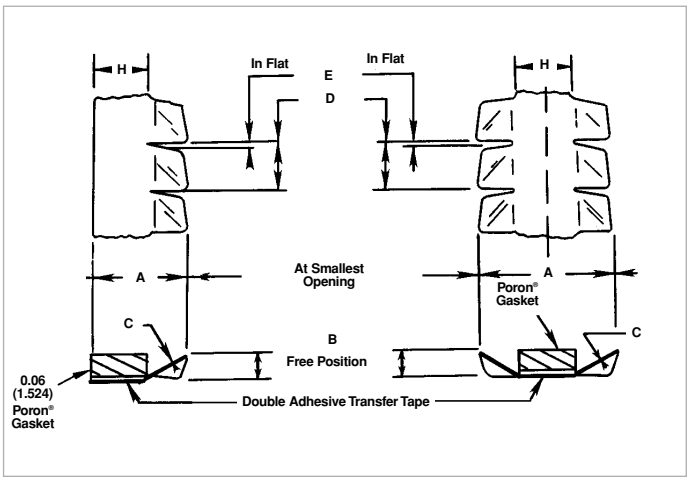
These 97-Series products are also available in UltraSoft® low compression force 98-Series.




97-551/97-558

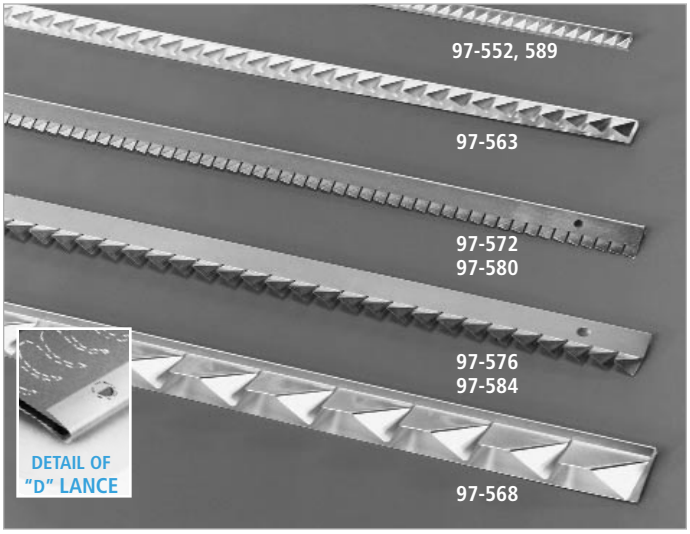
## TWIST SERIES

| SERIES | A | B | C | D PITCH | E SLOT | H | APPROX. LENGTH IN. (MM) | APPROX. COIL FT. (M) | GASKET |
|---|---|---|---|---|---|---|---|---|---|
| 97-550 | 0.230 (5.842) | 0.030 (0.762) | 0.003 (0.076) | 0.095 (2.413) | 0.015 (0.381) | 0.140 (3.556) | 24.000 (609.600) | 25.0 (7.6) | NO |
| 97-551 | 0.160 (4.064) | 0.030 (0.762) | 0.003 (0.076) | 0.095 (2.413) | 0.015 (0.381) | 0.080 (2.032) | 24.000 (609.600) | — — | NO |
| 97-555 | 0.340 (8.636) | 0.070 (1.778) | 0.003 (0.076) | 0.165 (4.191) | 0.015 (0.381) | 0.180 (4.572) | 24.000 (609.600) | 25.0 (7.6) | NO |
| 97-556 | 0.340 (8.636) | 0.070 (1.778) | 0.003 (0.076) | 0.165 (4.191) | 0.015 (0.381) | 0.180 (4.572) | 24.000 (609.600) | 25.0 (7.6) | YES |
| 97-558 | 0.200 (5.080) | 0.070 (1.778) | 0.003 (0.076) | 0.165 (4.191) | 0.015 (0.381) | 0.110 (2.794) | 24.000 (609.600) | — — | NO |
| 97-559 | 0.300 (7.620) | 0.070 (1.778) | 0.003 (0.076) | 0.165 (4.191) | 0.015 (0.381) | 0.180 (4.572) | 24.000 (609.600) | 25.0 (7.6) | NO |
| 97-560 | 0.500 (12.700) | 0.070 (1.778) | 0.003 (0.076) | 0.165 (4.191) | 0.015 (0.381) | 0.190 (4.826) | 24.000 (609.600) | 25.0 (7.6) | NO |
| 97-561 | 0.500 (12.700) | 0.070 (1.778) | 0.003 (0.076) | 0.165 (4.191) | 0.015 (0.381) | 0.190 (4.826) | 24.000 (609.600) | 25.0 (7.6) | YES |
| 97-567 | 0.725 (18.415) | 0.209 (5.309) | 0.003 (0.076) | 0.500 (12.700) | 0.015 (0.381) | 0.408 (10.363) | 24.000 (609.600) | 25.0 (7.6) | NO |
| 97-569 | 0.500 (12.700) | 0.120 (3.048) | 0.003 (0.076) | 0.250 (6.350) | 0.015 (0.381) | 0.250 (6.350) | 24.000 (609.600) | 25.0 (7.6) | NO |




All dimensions shown are in inches (millimeters) unless otherwise specified.

# CLIP-ON TWIST SERIES

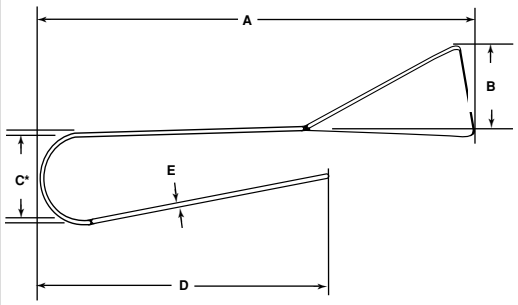



Ideal for general shielding applications where mounting space is at a premium, Clip-On Twist Series strips combine the performance advantages of scientific twist design with the strength of clip-on mounting.

Clip-On Twist Series gaskets are offered in four different widths, each available in either equal leg or offset leg configurations. In addition, each offset leg configuration is available with Poron® rubber environmental gaskets for dust and moisture resistance, as well as with "D" lances that snap into 0.100 in. (2.540 mm) diameter holes to provide added mounted strength.

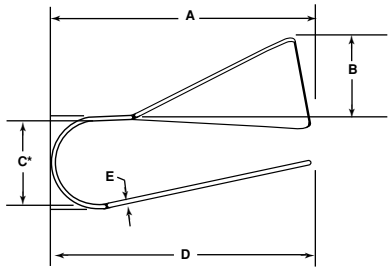
This series offers shielding effectiveness > 115 dB for a 100 MHz plane wave and is provided in standard 16.000 in. (406.400 mm) lengths. All are available in your choice of finishes, see page 1-11. For load/deflection data, see page 2-33.

These 97-Series products are also available in UltraSoft® low compression force 98-Series.

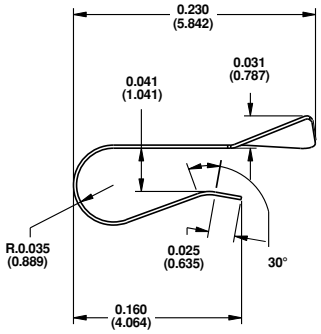



97-572, 97-580, 97-576, 97-584

*Variations in the clip-on area are available. Consult sales department.




97-552, 97-563, 97-568




97-589

## CLIP-ON TWIST SERIES

| SERIES | A | B | C | D | E | PITCH | SLOT | APPROX. LENGTH | PART NO. WITH "D" LANCE | PART NO. WITH PORON® | PART NO. WITH "D" LANCE WITH PORON® |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 97-552 | 0.150 (3.810) | 0.030 (0.762) | 0.070 (1.778) | 0.150 (3.810) | 0.003 (0.076) | 0.095 (2.413) | 0.015 (0.381) | 16.000 (406.400) | 97-553 | — | — |
| 97-563 | 0.210 (5.334) | 0.070 (1.778) | 0.070 (1.778) | 0.210 (5.334) | 0.003 (0.076) | 0.165 (4.191) | 0.015 (0.381) | 16.000 (406.400) | 97-564 | — | — |
| 97-568* | 0.414 (10.516) | 0.210 (5.334) | 0.070 (1.778) | 0.414 (10.516) | 0.003 (0.076) | 0.500 (12.700) | 0.015 (0.381) | 16.000 (406.400) | — | — | — |
| 97-572 | 0.275 (6.985) | 0.030 (0.762) | 0.070 (1.778) | 0.175 (4.445) | 0.003 (0.076) | 0.095 (2.413) | 0.015 (0.381) | 16.000 (406.400) | 97-574 | 97-573 | 97-575 |
| 97-576 | 0.378 (9.601) | 0.075 (1.905) | 0.070 (1.778) | 0.250 (6.350) | 0.003 (0.076) | 0.165 (4.191) | 0.015 (0.381) | 16.000 (406.400) | 97-578 | 97-577 | 97-579 |
| 97-580 | 0.275 (6.985) | 0.030 (0.762) | 0.050 (1.270) | 0.175 (4.445) | 0.003 (0.076) | 0.095 (2.413) | 0.015 (0.381) | 16.000 (406.400) | 97-582 | 97-581 | 97-583 |
| 97-584 | 0.378 (9.601) | 0.075 (1.905) | 0.050 (1.270) | 0.250 (6.350) | 0.003 (0.076) | 0.165 (4.191) | 0.015 (0.381) | 16.000 (406.400) | 97-586 | 97-585 | 97-587 |
| 97-589 | 0.230 (5.842) | 0.031 (0.787) | 0.070 (1.778) | 0.160 (4.064) | 0.003 (0.076) | 0.095 (2.413) | 0.015 (0.381) | 24.000 (609.000) | — | — | — |
| 97-590 | 0.160 (4.064) | 0.030 (0.762) | 0.040 (1.016) | 0.160 (4.064) | 0.003 (0.076) | 0.095 (2.413) | 0.015 (0.381) | 16.000 (406.400) | 97-593 | — | — |

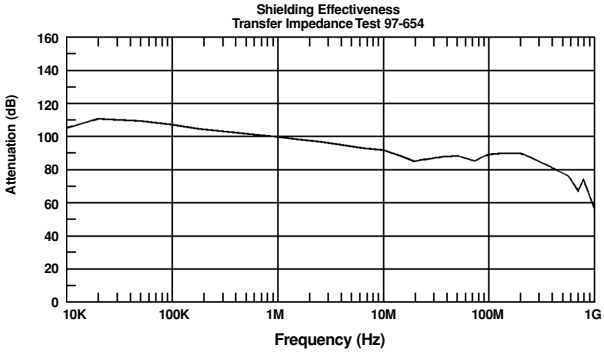
*Standard with "D" Lance

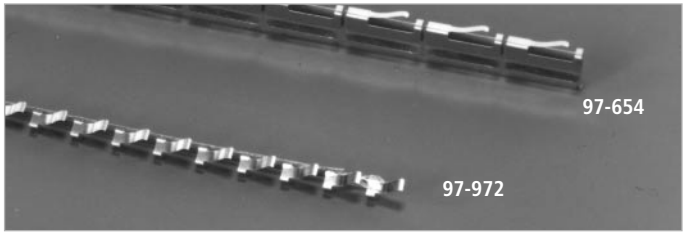
All dimensions shown are in inches (millimeters) unless otherwise specified.

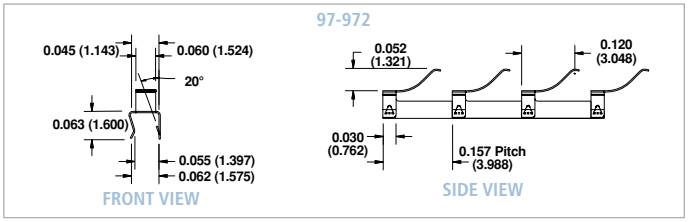
# DIVIDER EDGE SHIELDING

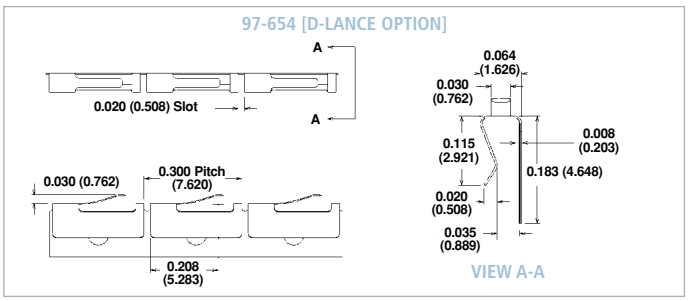
Laird Technologies offers the Divider Edge Shield, the latest addition to its line of longitudinal shielding and grounding products. The Divider Edge Shield is designed to accommodate the industry's trend toward miniaturization and reduced compression forces.

- Designed to be applied to the top edge of multi-compartmental castings with wall thickness from 0.035 in. (0.889 mm) to 0.055 in. (1.397 mm)
- Clip-on design allows for easy installation and secure retention
- Unique finger design provides extremely low compression force
- Excellent shielding and grounding properties
- Provided in standard 12.000 in. (304.800 mm) lengths, or easily cut to your desired length. Longer lengths available upon request.
- 97-654 is available with "D" Lance option



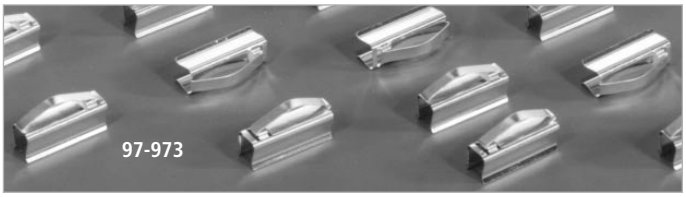



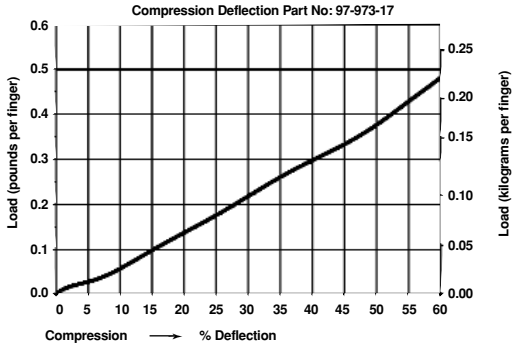


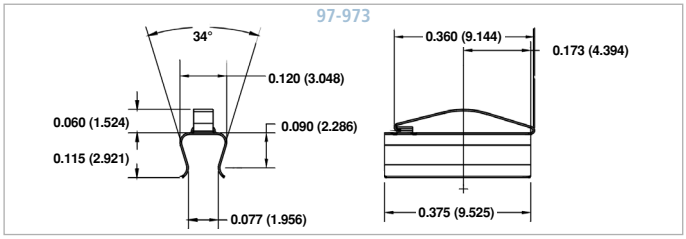

# CARD GUIDE CLIP-ON

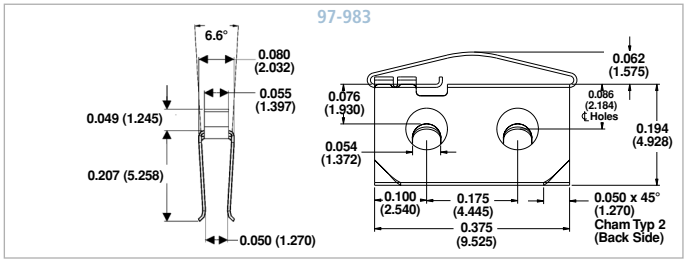
Laird Technologies introduces the Card Guide Clip-On, which offers excellent grounding contact from the PC board to a card guide on a rack. The unique snap-in feature of the contact finger prevents any potential snagging. This allows for bi-directional sliding contact. The Card Guide Clip-On gasket installs to the edge of the board and makes contact with ground trace on the card. The card then slides into the card guide on the rack. Low compression forces allow for easy installation of the card.

- Easily installs onto PC board
- Provides for bi-directional wiping that eliminates snagging
- Ideal, inexpensive solution for grounding applications
- High-performance beryllium copper can be plated with a wide variety of finishes for galvanic compatibility, see page 1-11
- Designed for board thicknesses of 0.085 in. to 0.100 in. (2.159 mm to 2.540 mm)
- Design capabilities available to handle other board thicknesses and custom applications
- 97-983 is available with "D" Lance option



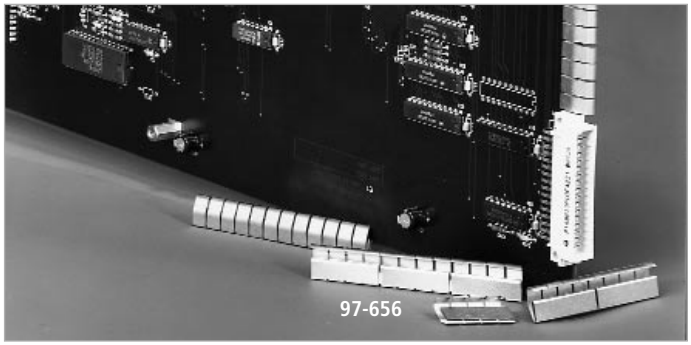




All dimensions shown are in inches (millimeters) unless otherwise specified.

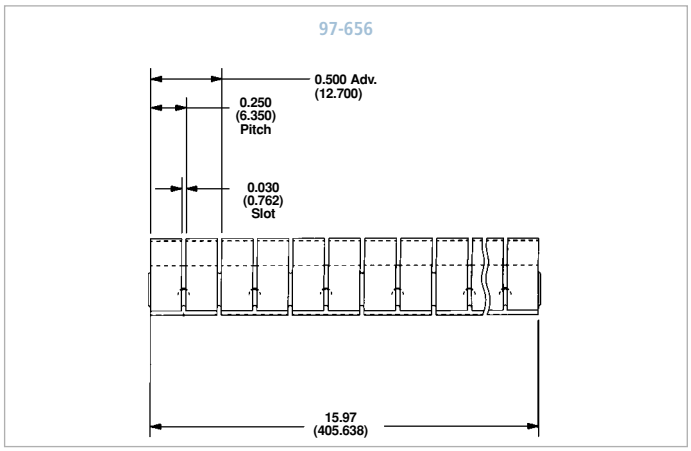
# CLIP-ON PERPENDICULAR SHIELDING

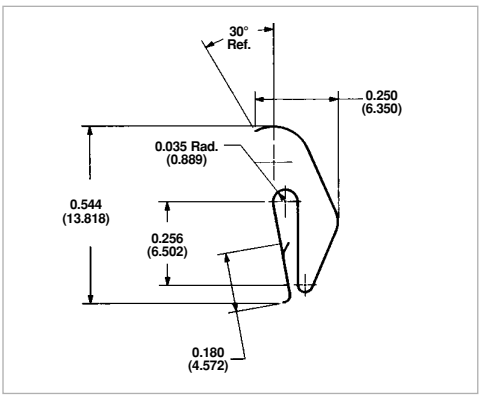



This product offers a clip-on design that permits shielding to a perpendicular surface.

- Finger design allows for continuous contact across the length of the strip
- Clip-on design is ideal where high temperature or other design considerations preclude the use of adhesive-mounted gasketing
- "D" lance design provides excellent retention of gasket and allows for a strong omni directional grip
- Supplied in a wide variety of plating finishes, see page 1-11
- Shielding effectiveness of > 80 dB for a 10 MHz plane wave. For load/deflection data, see page 2-33.

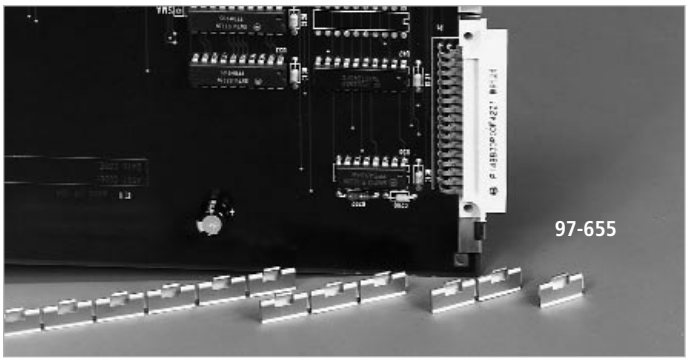
These 97-Series products are also available in UltraSoft® low compression force 98-Series.





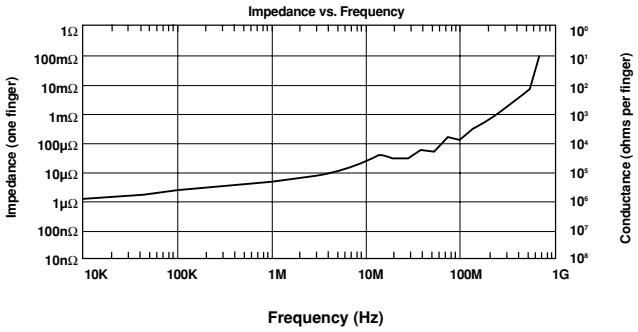

# CLIP-ON PERPENDICULAR GROUNDING STRIP

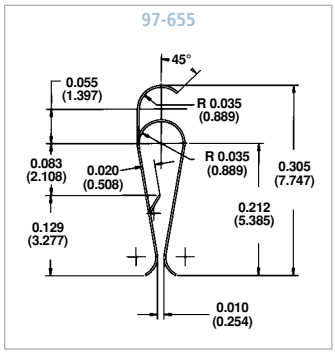


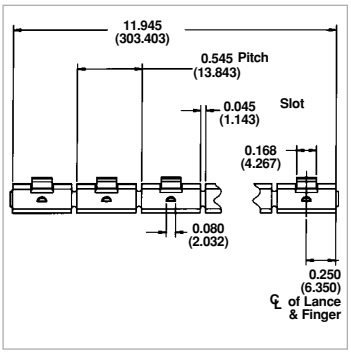

Laird Technologies offers the first clip-on design which allows grounding to occur between perpendicular surfaces.

- Unique finger extension provides grounding from card or motherboard to a backplane housing
- Finger height provides wide operating range
- Wide clip-on area with "D" lance gives additional reliable retention
- Available in strip lengths up to 12.000 in. (304.800 mm)
- Available in a wide variety of plating finishes, see page 1-11. For load/deflection data, see page 2-33.

These 97-Series products are also available in UltraSoft®, 98-Series.



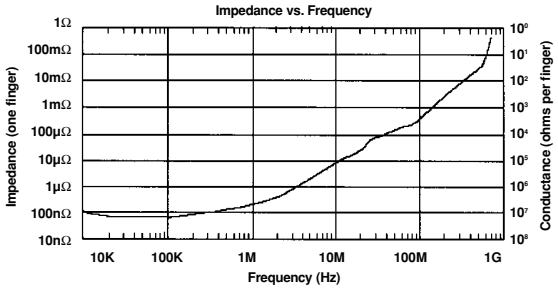

All dimensions shown are in inches (millimeters) unless otherwise specified.

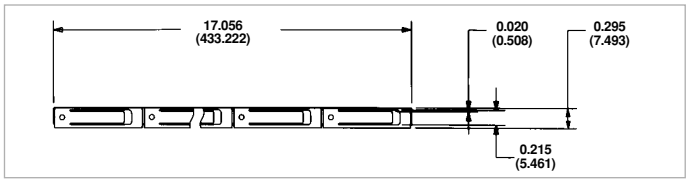
# CLIP-ON LONGITUDINAL GROUNDING STRIP

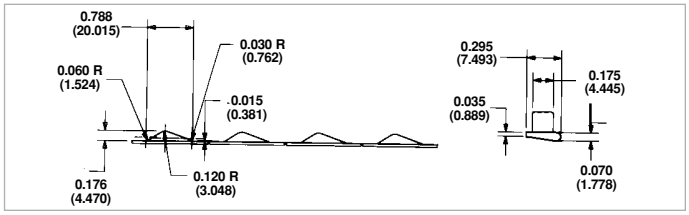
The Clip-On Longitudinal Grounding Strip combines finger compression with the direction of motion in the longitudinal axis.

- Ideal for use with rack-mounted, sliding door and slide drawer assemblies
- Clip-on mounting combines ease of installation with impressive retention strength
- FEA (Finite Element Analysis) design of fingers eliminates the need for left or right installations
- Asymmetrical finger design with shallow angle provides for bi-directional engagement
- Available in a wide variety of plating finishes, see page 1-11
- Supplied in standard lengths of 17.000 in. (431.800 mm)
- For load/deflection data, see page 2-33

Available in UltraSoft® low compression version (98-976).



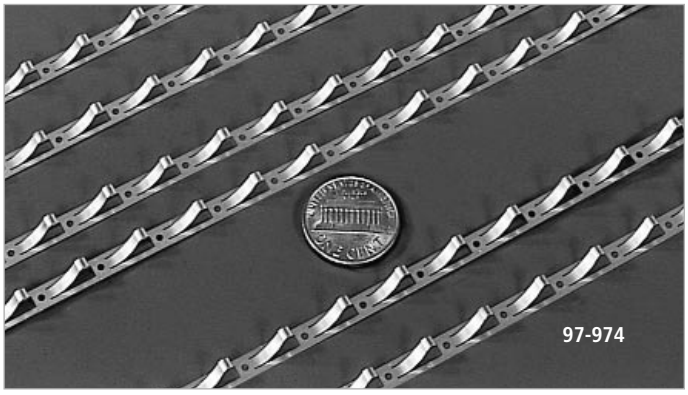


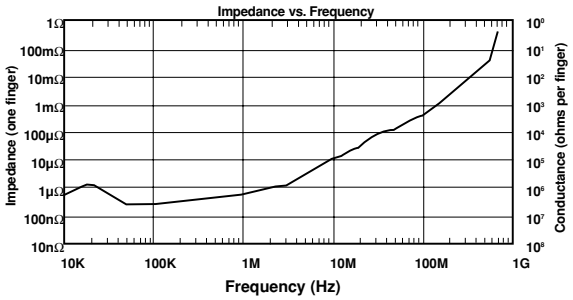

# MINI-LONGITUDINAL GROUNDING GASKET

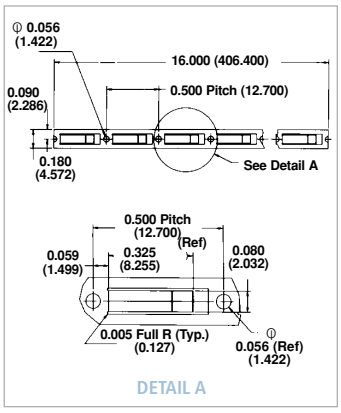
The Mini-Longitudinal Grounding Gasket is designed to accommodate small applications which often require lower compression forces.

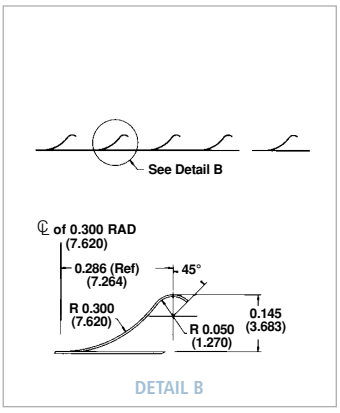
- Allows a longitudinal sliding motion over the length of the gasket
- Ideal for rack-mounted, sliding door or side panel and drawer assemblies
- Mounting methods include conductive tapes, rivets or screws
- Miniaturized design includes extremely narrow width and low standing height
- Available in a wide variety of plated finishes, see page 1-11
- For load/deflection data, see page 2-33

Available in UltraSoft low compression version (98-974).



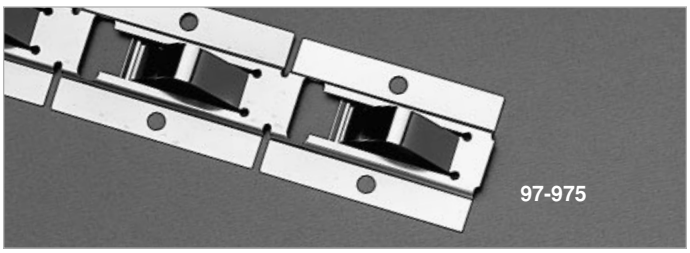




All dimensions shown are in inches (millimeters) unless otherwise specified.

# LONGITUDINAL GROUNDING SERIES

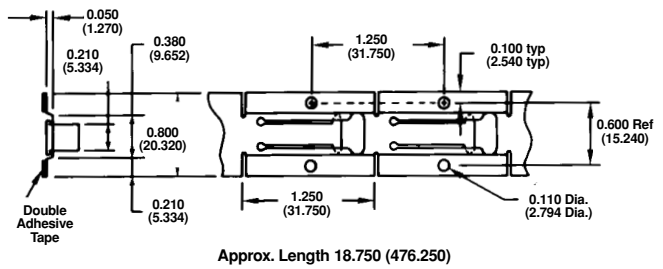


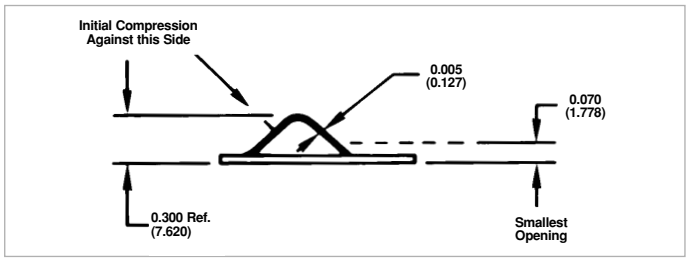

This series of beryllium copper strips combines finger compression with the direction of motion in the longitudinal axis.

- Ideal for use with rack-mounted and slide drawer assemblies
- Provides reliable and complete grounds
- Typical installation methods include hardware mounting or use of the Sticky Fingers® self-adhesive strip
- In standard finishes, see page 1-11
- For load/deflection data, see page 2-33

Available in UltraSoft® low compression verson (98-975).

SERIES 97-975






# ULTRASOFT® GASKET SERIES

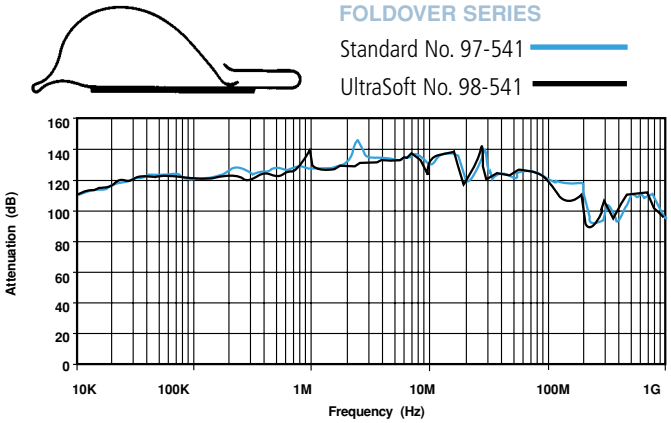
UltraSoft® fingers have been designed for communications, computers and electronic systems designers concerned with EMI compliance and lightweight enclosure designs. Available in the same full range of standard configurations, UltraSoft fingers offer designers greater flexibility and versatility than ever before—permitting more extensive use of lighter, thinner construction materials to help cut costs and/or enhance system performance.

The unique advantages of UltraSoft (98-Series) fingers include:

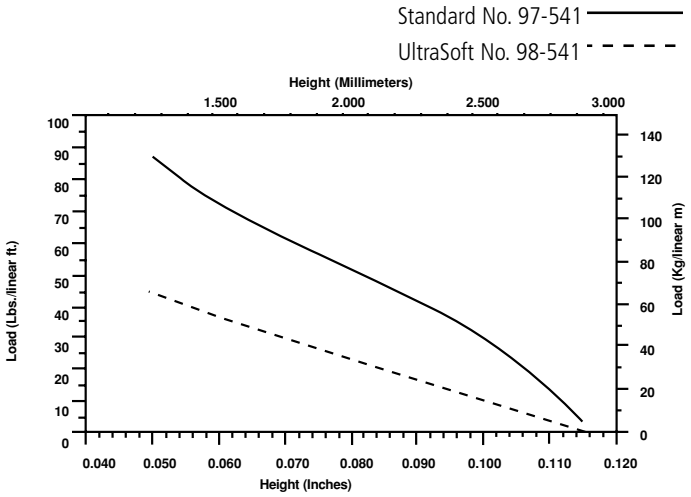
- The lowest compression forces in the industry
- Increased life cycle
- Shielding effectiveness comparable to similarly configured standard 97-Series parts
- Wide selection of sizes and configurations
- Low compression force version available for virtually every standard shielding product

UltraSoft (98-Series) products are available in the same lengths as the standard (97-Series) products. Please refer to the appropriate standard product pages for specific information. All UltraSoft products are also available in your choice of finishes, see page 1-11. For load/deflection data, see page 2-33.

## SHIELDING EFFECTIVENESS COMPARISON




## COMPRESSION FORCE COMPARISON




All dimensions shown are in inches (millimeters) unless otherwise specified.

# CONTACT STRIPS

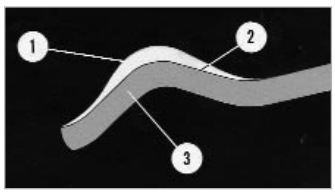
Contact strips are used for grounding and shielding in high-frequency equipment and for forming large diameter contact rings.

A wide variety of beryllium copper contact strips provides engineers and designers with flexibility in solving grounding and shielding problems. Various lengths, widths, thicknesses, contours and hole locations are possible for many of the standard catalog items shown here.

For standard finishes, see page 1-11. For load/deflection data, see page 2-33.

These 97-Series products are also available in UltraSoft® low compression force 98-Series.

Contips®, localized deposits of silver or gold used to enhance conductivity, are available for our contact strips and contact rings. Contips minimum thicknesses are: 0.003 in. (0.076 mm) for silver and 0.0003 in. (0.008 mm) for gold. Please refer to the chart at right for Contips descriptions and suffix catalog numbers.

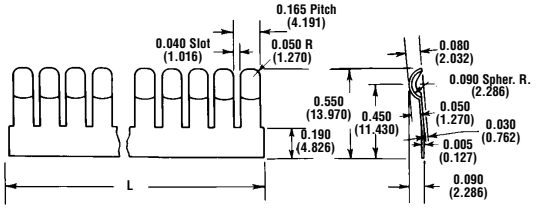



1. Contips
2. 100% bond
3. Convex portion of spring

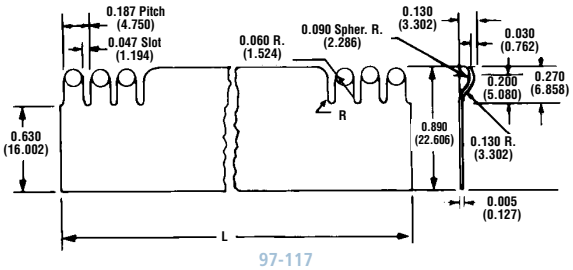
| CONTIPS DESCRIPTION | ADD SUFFIX TO CATALOG NUMBER |
|---|---|
| Silver Contips only | 11 |
| Silver Contips plus silver plating | 12 |
| Gold Contips only | 13 |
| Gold Contips plus gold plating | 14 |
| Gold Contips plus silver plating | 20 |

## FIGURE A

Contips available



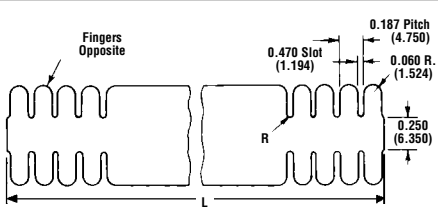

97-300



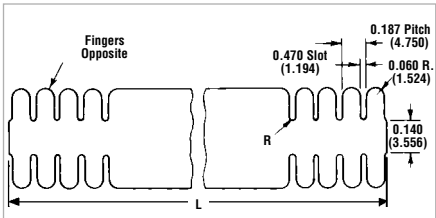

97-117

## FIGURE B

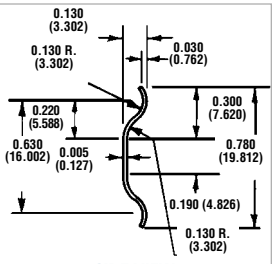
Contips available




97-105

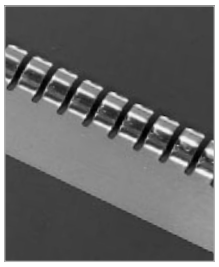



97-115

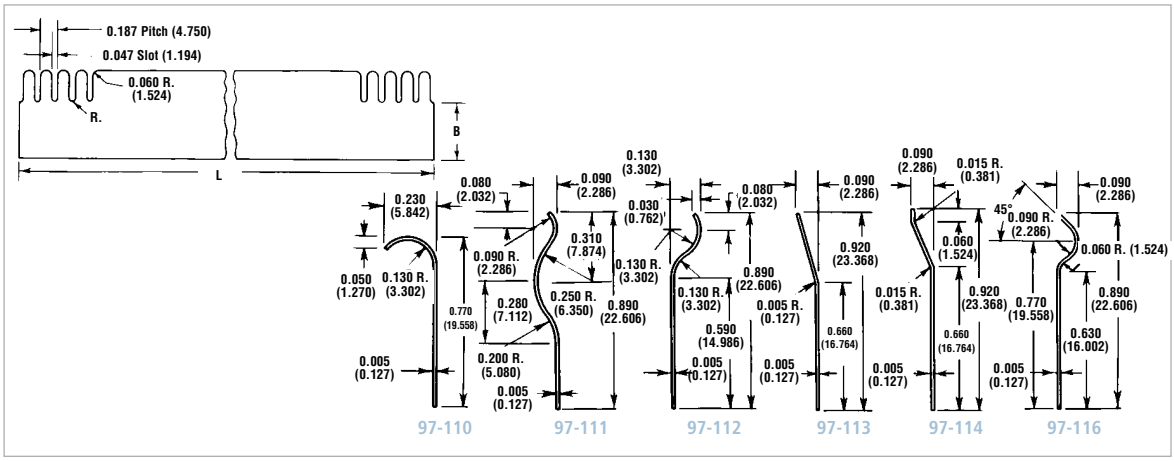



SIDE VIEW

## FIGURE C

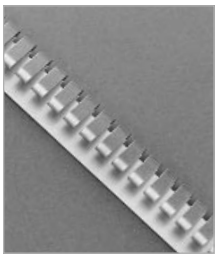


Contips available on 97-111, 97-112, 97-114 and 97-116 only

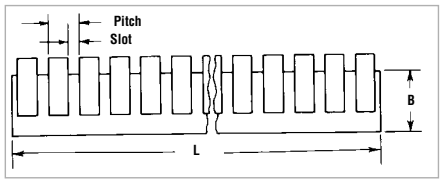


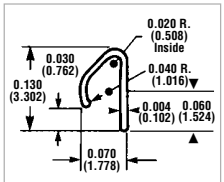

All dimensions shown are in inches (millimeters) unless otherwise specified.

## FIGURE D

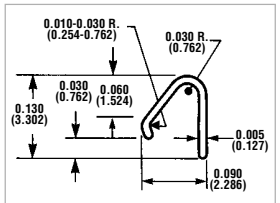


Not available with Contips®

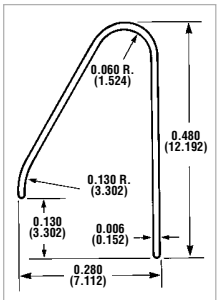



97-221

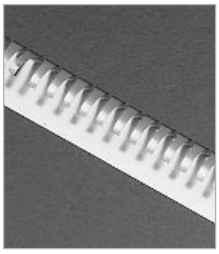



97-251




97-310

## FIGURE E



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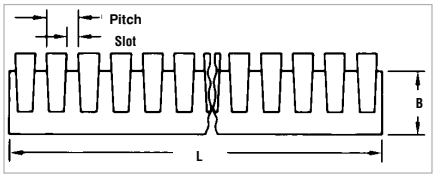
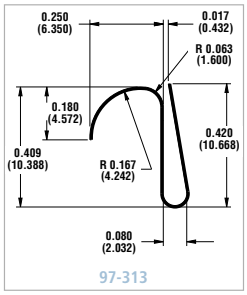
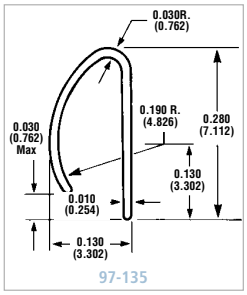
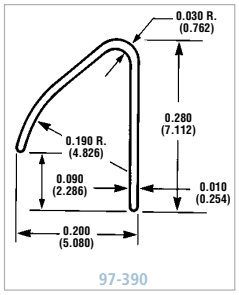


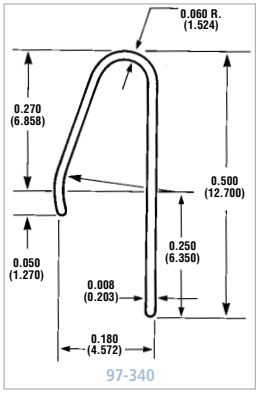

97-313




97-135




97-390




97-340

### FLAT STRIP

| SERIES | FIG. | PITCH | SLOT | B | APPROX. LENGTH (L) | APPROX. NO. OF FINGERS |
|---|---|---|---|---|---|---|
| 97-105 | B | 0.187 (4.750) | 0.047 (1.194) | — — | 16.000 (406.400) | 86 |
| 97-110 | C | 0.187 (4.750) | 0.047 (1.194) | 0.590 (14.986) | 16.000 (406.400) | 86 |
| 97-111 | C | 0.187 (4.750) | 0.047 (1.194) | 0.630 (16.002) | 16.000 (406.400) | 86 |
| 97-112 | C | 0.187 (4.750) | 0.047 (1.194) | 0.570 (14.478) | 16.000 (406.400) | 86 |
| 97-113 | C | 0.187 (4.750) | 0.047 (1.194) | 0.630 (16.002) | 16.000 (406.400) | 86 |
| 97-114 | C | 0.187 (4.750) | 0.047 (1.194) | 0.650 (16.510) | 16.000 (406.400) | 86 |
| 97-115 | B | 0.187 (4.750) | 0.047 (1.194) | — — | 16.000 (406.400) | 86 |
| 97-116 | C | 0.187 (4.750) | 0.047 (1.194) | 0.630 (16.002) | 16.000 (406.400) | 86 |

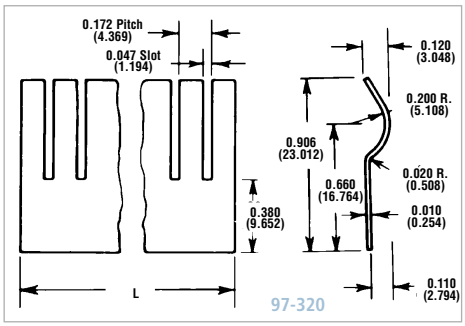
All dimensions shown are in inches (millimeters) unless otherwise specified.

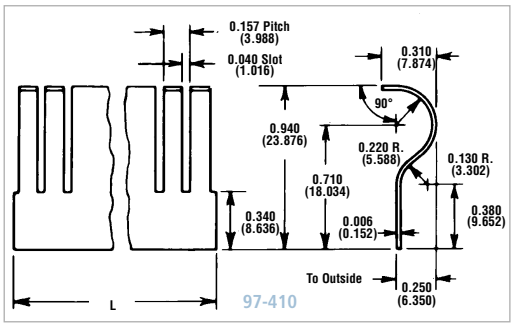
| SERIES | FIG. | PITCH | SLOT | B | APPROX. LENGTH (L) | APPROX. NO. OF FINGERS |
|---|---|---|---|---|---|---|
| 97-117 | A | 0.187 (4.750) | 0.047 (1.194) | — — | 16.000 (406.400) | 86 |
| 97-135 | E | 0.135 (3.429) | 0.040 (1.016) | 0.230 (5.842) | 16.000 (406.400) | 119 |
| 97-221 | D | 0.060 (1.524) | 0.020 (0.508) | 0.090 (2.286) | 12.000 (304.800) | 200 |
| 97-251 | D | 0.127 (3.226) | 0.050 (1.270) | 0.090 (2.286) | 12.000 (304.800) | 95 |
| 97-300 | A | 0.165 (4.191) | 0.040 (1.016) | 0.190 (4.826) | 16.000 (406.400) | 97 |
| 97-310 | D | 0.187 (4.750) | 0.062 (1.575) | 0.380 (9.652) | 15.000 (381.000) | 86 |
| 97-313 | E | 0.187 (4.750) | 0.062 (1.575) | 0.295 (7.493) | 16.000 (406.400) | 86 |
| 97-340 | E | 0.163 (4.140) | 0.020 (0.508) | 0.250 (6.350) | 16.000 (406.400) | 98 |
| 97-390 | E | 0.134 (3.404) | 0.040 (1.016) | 0.230 (5.842) | 16.000 (406.400) | 119 |

# CONTACT STRIPS

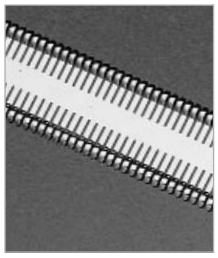
## FIGURE F

Contips® available




## FIGURE G



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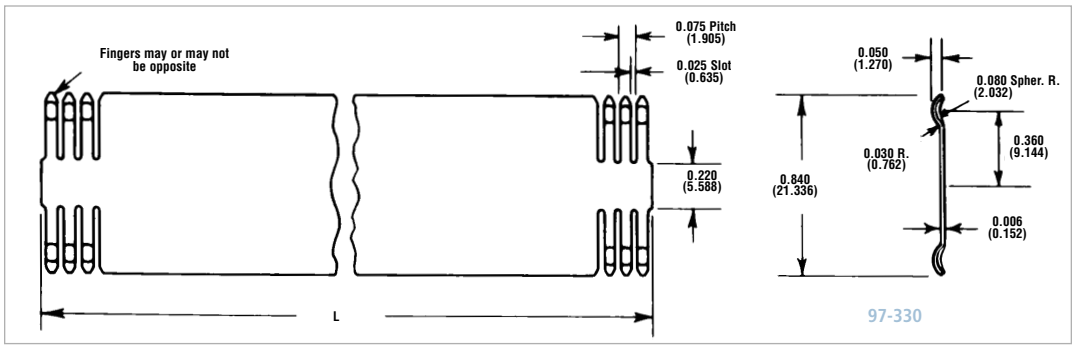
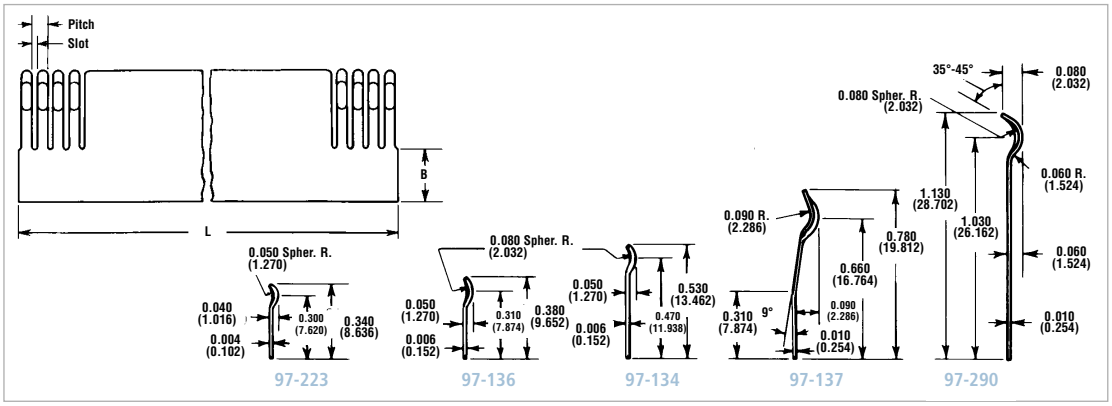
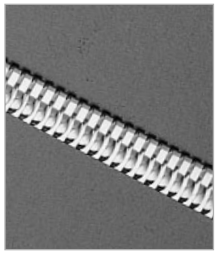



## FIGURE H

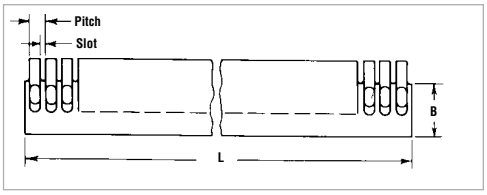
Contips available

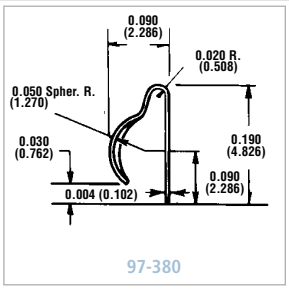


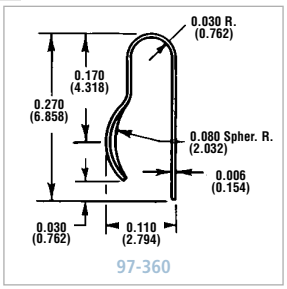

## FIGURE I

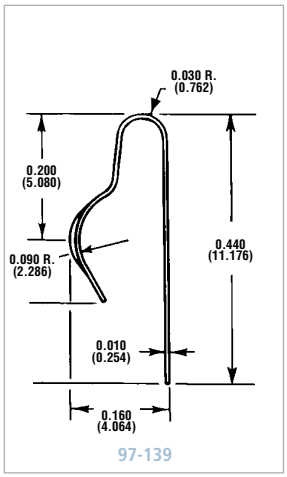


Contips available



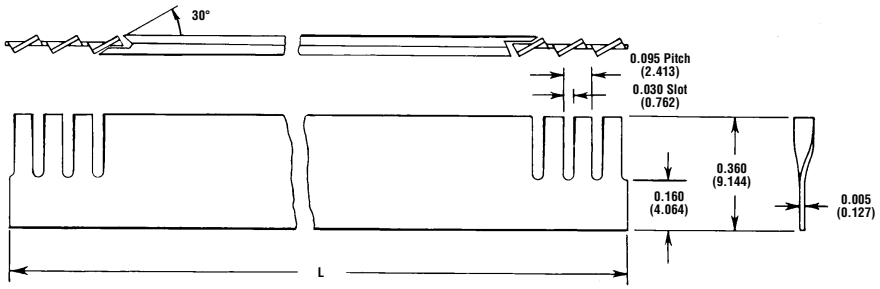




All dimensions shown are in inches (millimeters) unless otherwise specified.

# CONTACT STRIPS

## FIGURE J

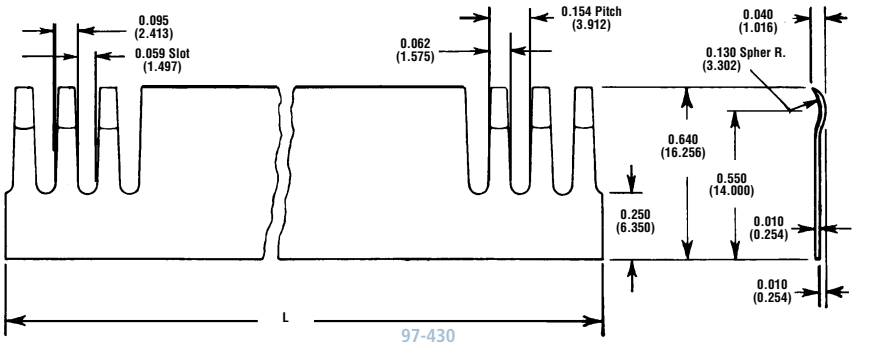
Not available with Contips®




97-370

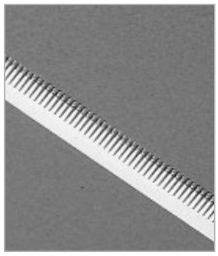
## FIGURE K

Contips available




97-430

## FIGURE L



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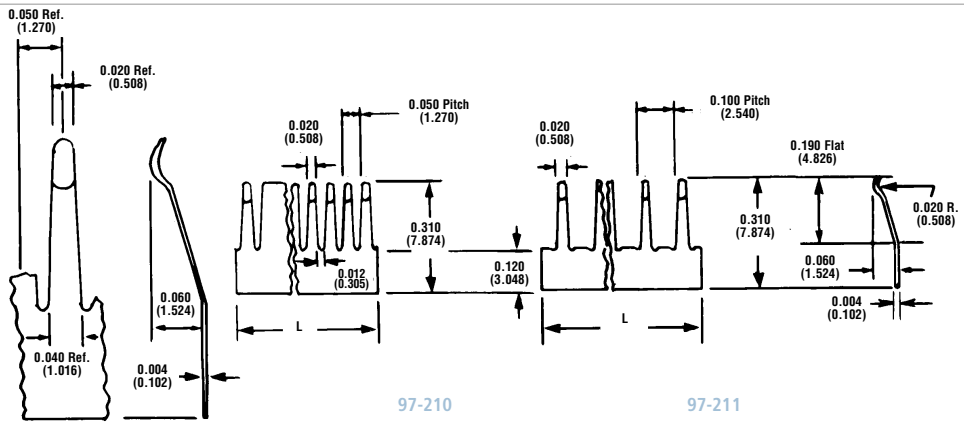



97-210 97-211

## FLAT STRIP

| SERIES | FIG. | PITCH | SLOT | B | APPROX. LENGTH (L) | APPROX. NO. OF FINGERS |
|---|---|---|---|---|---|---|
| 97-134 | H | 0.075 (1.905) | 0.025 (0.635) | 0.220 (5.588) | 16.000 (406.400) | 213 |
| 97-136 | H | 0.075 (1.905) | 0.025 (0.635) | 0.060 (1.524) | 16.000 (406.400) | 213 |
| 97-137 | H | 0.094 (2.388) | 0.031 (0.787) | 0.310 (7.874) | 16.000 (406.400) | 170 |
| 97-139 | I | 0.094 (2.388) | 0.031 (0.787) | 0.310 (7.874) | 16.000 (406.400) | 170 |
| 97-210 | L | 0.050 (1.270) | 0.012 (0.305) | 0.120 (3.048) | 12.000 (304.800) | 240 |
| 97-211 | L | 0.100 (2.540) | 0.062 (1.575) | 0.120 (3.048) | 12.000 (304.800) | 120 |
| 97-223 | H | 0.060 (1.524) | 0.020 (0.508) | 0.130 (3.302) | 16.000 (406.400) | 267 |

| SERIES | FIG. | PITCH | SLOT | B | APPROX. LENGTH (L) | APPROX. NO. OF FINGERS |
|---|---|---|---|---|---|---|
| 97-290 | H | 0.075 (1.905) | 0.025 (0.635) | 0.690 (17.526) | 16.000 (406.400) | 213 |
| 97-320 | F | 0.172 (4.369) | 0.047 (1.194) | 0.380 (9.652) | 16.000 (406.400) | 93 |
| 97-330 | G | 0.075 (1.905) | 0.025 (0.635) | - - | 16.000 (406.400) | 213 |
| 97-360 | I | 0.075 (1.905) | 0.025 (0.635) | 0.220 (5.588) | 16.000 (406.400) | 213 |
| 97-370 | J | 0.095 (2.413) | 0.030 (0.762) | - - | 16.000 (406.400) | 168 |
| 97-380 | I | 0.060 (1.524) | 0.020 (0.508) | 0.130 (3.302) | 16.000 (406.400) | 267 |
| 97-410 | F | 0.157 (3.988) | 0.040 (1.016) | 0.340 (8.636) | 16.000 (406.400) | 102 |
| 97-430 | K | 0.154 (3.912) | 0.059 (1.499) | 0.250 (6.350) | 16.000 (406.400) | 104 |

All dimensions shown are in inches (millimeters) unless otherwise specified.

# CONTACT RINGS

The large variety of sizes and shapes of contact rings offers engineers a wide choice in meeting design requirements for microwave cavities, tuning, shielding and grounding applications. Rings are made from strip stock formed into an unclosed circle which, when assembled, becomes a complete ring. These rings are furnished in any diameter, greater than the minimum shown in the chart below, and must contain an integral number of fingers.

Most configurations are available with Contips®, described in the preceding section.

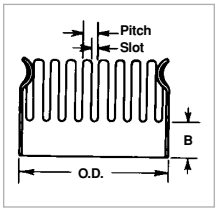
Available in standard finishes, see page 1-11.

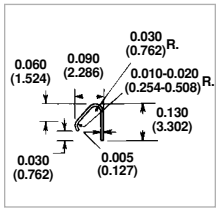
## FEMALE RINGS

| SERIES | PITCH | SLOT | OD | ~ # OF FINGERS | REC. PIN DIAMETER | B | MADE FROM STRIP | SMALL DIA. FROM STRIP |
|---|---|---|---|---|---|---|---|---|
| 97-070 | 0.135 (3.429) | 0.040 (1.016) | 1.219 (30.963) | 28 — | 0.980 (24.892) | 0.234 (5.944) | 97-135 | 0.570 (14.478) |
| 97-072 | 0.135 (3.429) | 0.040 (1.016) | 1.000 (25.400) | 23 — | 0.790 (20.066) | 0.234 (5.944) | 97-135 | 0.570 (14.478) |
| 97-074 | 0.135 (3.429) | 0.040 (1,016) | 0.875 (22.225) | 20 — | 0.672 (17.069) | 0.234 (5.944) | 97-135 | 0.570 (14.478) |
| 97-076 | 0.163 (4.140) | 0.020 (0.508) | 0.640 (16.256) | 12 — | 0.340 (8.636) | 0.250 (6.350) | 97-340 | 0.640 (16.256) |
| 97-140 | 0.075 (1.905) | 0.025 (0.635) | 0.290 (7.366) | 12 — | 0.250 (6.350) | 0.220 (5.588) | 97-134 | 0.200 (5.080) |
| 97-141 | 0.075 (1.905) | 0.025 (0.635) | 0.440 (11.176) | 18 — | 0.380 (9.652) | 0.220 (5.588) | 97-134 | 0.200 (5.080) |
| 97-142 | 0.075 (1.905) | 0.025 (0.635) | 0.550 (13.970) | 23 — | 0.500 (12.700) | 0.220 (5.588) | 97-134 | 0.200 (5.080) |
| 97-143 | 0.075 (1.905) | 0.025 (0.635) | 0.800 (20.320) | 33 — | 0.750 (19.050) | 0.220 (5.588) | 97-134 | 0.200 (5.080) |
| 97-185 | 0.075 (1.905) | 0.025 (0.635) | 0.560 (14.224) | 23 — | 0.500 (12.700) | 0.060 (1.524) | 97-136 | 0.200 (5.080) |
| 97-204 | 0.094 (2.388) | 0.031 (0.787) | 1.040 (26.416) | 34 — | 1.000 (25.400) | 0.310 (7.874) | 97-137 | 0.460 (11.684) |
| 97-216 | 0.094 (2.388) | 0.031 (0.787) | 1.240 (31.496) | 41 — | 1.000 (25.400) | 0.300 (7.620) | 97-139 | 0.940 (23.876) |
| 97-232 | 0.060 (1.524) | 0.020 (0.508) | 0.540 (13.716) | 28 — | 0.500 (12.700) | 0.130 (3.302) | 97-233 | 0.160 (4.064) |
| 97-252 | 0.127 (3.226) | 0.050 (1.270) | 1.250 (31.750) | 31 — | 1.090 (27.686) | 0.090 (2.286) | 97-251 | 0.450 (11.430) |
| 97-254 | 0.127 (3.226) | 0.050 (1.270) | 0.910 (23.114) | 22 — | 0.740 (18.796) | 0.090 (2.286) | 97-251 | 0.450 (11.430) |
| 97-255 | 0.127 (3.226) | 0.050 (1.270) | 0.650 (16.510) | 16 — | 0.480 (12.192) | 0.090 (2.286) | 97-251 | 0.450 (11.430) |
| 97-361 | 0.075 (1.905) | 0.025 (0.635) | 1.010 (25.654) | 42 - | 0.840 (21.336) | 0.220 (5.588) | 97-360 | 0.610 (15.494) |
| 97-381 | 0.060 (1.524) | 0.020 (0.508) | 1.210 (30.734) | 63 — | 1.060 (26.924) | 0.130 (3.302) | 97-380 | 0.460 (11.684) |
| 97-420 | 0.190 (4.826) | 0.075 (1.905) | 0.500 (12.700) | 8 — | 0.320 (8.128) | 0.060 (1.524) | N/A | 0.500 (12.700) |
| 97-421 | 0.100 (2.540) | 0.050 (1.270) | 0.500 (12.700) | 15 — | 0.370 (9.398) | 0.070 (1.778) | N/A | 0.440 (11.176) |
| 97-422 | 0.154 (3.912) | 0.059 (1.499) | 0.600 (15.240) | 12 — | 0.370 (9.398) | 0.250 (6.350) | N/A | 0.550 (13.970) |
| 97-423 | 0.154 (3.912) | 0.059 (1.499) | 0.780 (19.812) | 15 — | 0.540 (13.716) | 0.250 (6.350) | N/A | 0.550 (13.970) |
| 97-424 | 0.135 (3.429) | 0.040 (1.016) | 1.050 (26.670) | 24 — | 0.810 (20.574) | 0.230 (5.842) | N/A | 0.870 (22.098) |

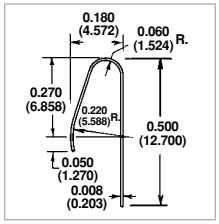
## FEMALE RINGS

CONTIPS AVAILABLE

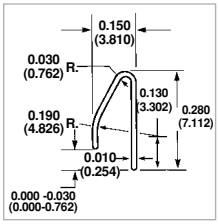


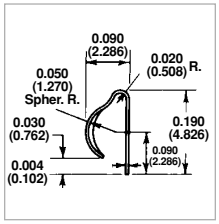

97-252 TO 255




97-76




97-422 TO 424

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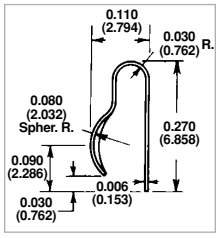


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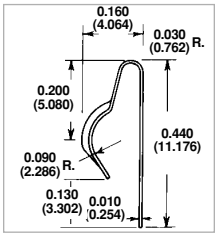


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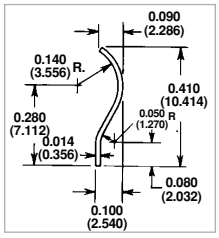


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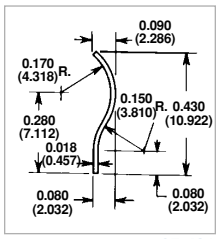


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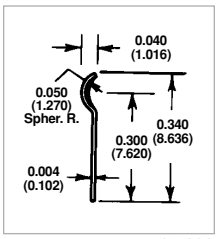


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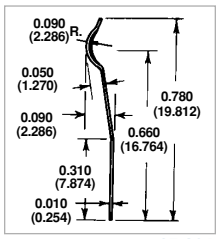


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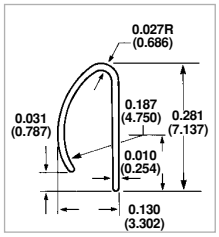



97-070, 072, 074

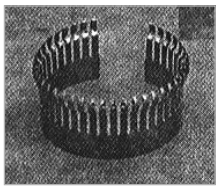
All dimensions shown are in inches (millimeters) unless otherwise specified.

# CONTACT RINGS

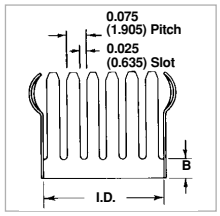
## MALE RINGS

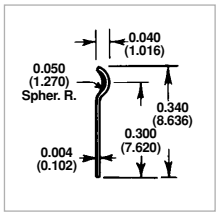
| SERIES | PITCH | SLOT | ID | ≈ # OF FINGERS | REC. HOLE SIZE | B | MADE FROM STRIP |
|---|---|---|---|---|---|---|---|
| 97-150 | 0.075 (1.905) | 0.025 (0.635) | 0.210 (5.334) | 9 — | 0.250 (6.350) | 0.220 (5.588) | 97-134 — |
| 97-151 | 0.075 (1.905) | 0.025 (0.635) | 0.330 (8.382) | 14 — | 0.380 (9.652) | 0.220 (5.588) | 97-134 — |
| 97-152 | 0.075 (1.905) | 0.025 (0.635) | 0.450 (11.430) | 19 — | 0.500 (12.700) | 0.220 (5.588) | 97-134 — |
| 97-153 | 0.075 (1.905) | 0.025 (0.635) | 0.690 (17.526) | 29 — | 0.750 (19.050) | 0.220 (5.588) | 97-134 — |
| 97-154 | 0.075 (1.905) | 0.025 (0.635) | 0.950 (24.130) | 40 — | 1.000 (25.400) | 0.220 (5.588) | 97-134 — |
| 97-155 | 0.075 (1.905) | 0.025 (0.635) | 1.450 (36.830) | 61 — | 1.500 (38.100) | 0.220 (5.588) | 97-134 — |
| 97-156 | 0.075 (1.905) | 0.025 (0.635) | 1.950 (49.530) | 82 — | 2.000 (50.800) | 0.220 (5.588) | 97-136 — |
| 97-192 | 0.075 (1.905) | 0.025 (0.635) | 0.450 (11.430) | 19 — | 0.500 (12.700) | 0.060 (1.524) | 97-136 — |
| 97-205 | 0.094 (2.388) | 0.031 (0.787) | 0.890 (22.606) | 30 — | 1.000 (25.400) | 0.310 (7.874) | 97-137 — |
| 97-215 | 0.094 (2.388) | 0.031 (0.787) | 1.240 (31.496) | 42 — | 1.500 (38.100) | 0.310 (7.874) | 97-139 — |
| 97-241 | 0.060 (1.524) | 0.020 (0.508) | 0.340 (8.636) | 18 — | 0.380 (9.652) | 0.130 (3.302) | 97-223 — |

## MALE RINGS

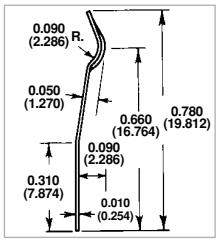


CONTIPS® AVAILABLE




97-241

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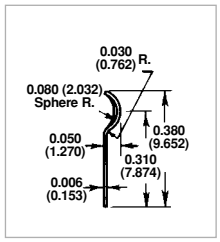
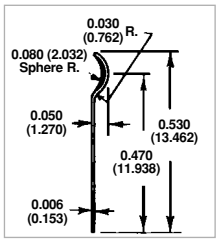
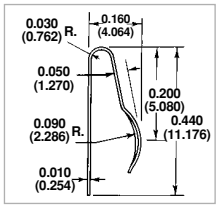


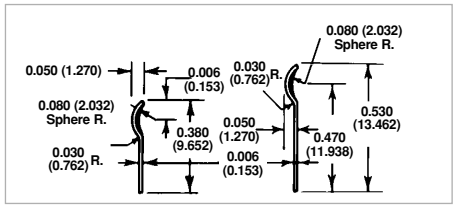

97-192




97-150 TO 156




97-215




97-185 97-140 TO 143



# LOAD/DEFLECTION DATA

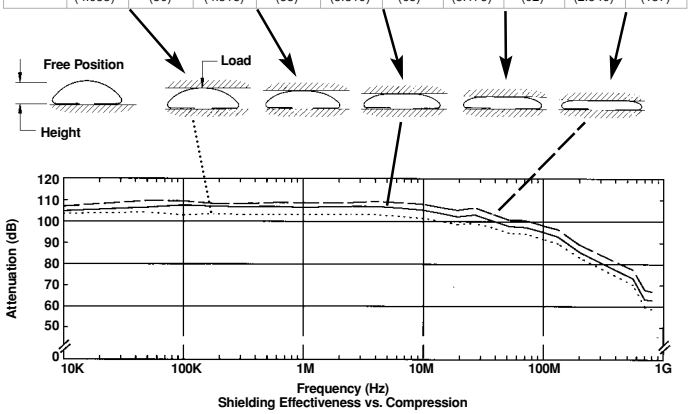
## FINGERSTOCK LOAD DATA

Efficient enclosure design requires an understanding of the compression force necessary to close gasketed joints. Toward this end, Laird Technologies has developed the following charts indicating compression forces required to achieve optimum gasket performance from each of our fingerstock gaskets. Loads are expressed in "pounds per linear foot" (or as "kilograms per linear meter").

Load Tests: Bare BeCu mated against mild steel having a ground surface, roughness approx. 16 m in. (0.4 mm).

### SAMPLE LOAD CHART FOR EMI GASKETS

| PART NO. | LARGEST OPENING | | | | DESIGN HEIGHT | | | | SMALLEST OPENING | |
|---|---|---|---|---|---|---|---|---|---|---|
| | HEIGHT | LOAD | HEIGHT | LOAD | HEIGHT | LOAD | HEIGHT | LOAD | HEIGHT | LOAD |
| | INCHES | LB/FT | INCHES | LB/FT | INCHES | LB/FT | INCHES | LB/FT | INCHES | LB/FT |
| | (MM) | (KG/M) | (MM) | (KG/M) | (MM) | (KG/M) | (MM) | (KG/M) | (MM) | (KG/M) |
| 97-951 | 0.195 (4.953) | 20 (30) | 0.170 (4.318) | 36 (53) | 0.150 (3.810) | 44 (65) | 0.125 (3.175) | 62 (92) | 0.100 (2.540) | 92 (137) |




Shielding Effectiveness vs. Compression

## DEFINITIONS:

**Largest opening** is the height at which contact force is the minimum required for reliable shielding performance.

**Design height** is the height which allows maximum deviation in both directions. This is recommended in most cases.

**Smallest opening** is the smallest height which precludes damage to the gasket.

## SHIELDING EFFECTIVENESS

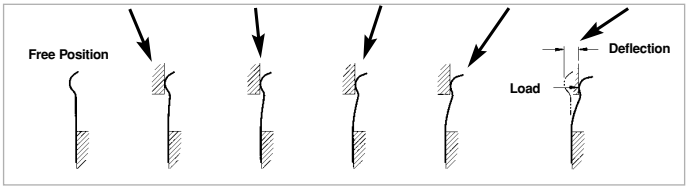
Shielding effectiveness of fingerstock gaskets does not vary significantly with compression. The graph below shows finger gaskets tested at five different heights. Variation is only about 10 dB, which is typical of most fingerstock gaskets. Compression of a finger gasket beyond "design height" does not benefit performance, but can complicate enclosure design.

## GROUNDING STRIPS

Some fingerstock products are used as grounding strips, or in other applications carrying RF current. Because these products are basically flat, their loads are expressed as a function of "deflection" rather than height.

### SAMPLE LOAD CHART FOR GROUNDING STRIPS

| PART NO. | SMALLEST DEFLECTION | | | | | | | | LARGEST DEFLECTION | |
|---|---|---|---|---|---|---|---|---|---|---|
| | DEFLECTION | LOAD | DEFLECTION | LOAD | DEFLECTION | LOAD | DEFLECTION | LOAD | DEFLECTION | LOAD |
| | INCHES | LB/FT | INCHES | LB/FT | INCHES | LB/FT | INCHES | LB/FT | INCHES | LB/FT |
| | (MM) | (KG/M) | (MM) | (KG/M) | (MM) | (KG/M) | (MM) | (KG/M) | (MM) | (KG/M) |
| 97-116 | 0.010 (0.254) | 11 (16) | 0.020 (0.508) | 22 (33) | 0.035 (0.889) | 44 (65) | 0.045 (1.143) | 62 (92) | 0.055 (1.397) | 84 (125) |




All dimensions shown are in inches (millimeters) unless otherwise specified.

# LOAD/DEFLECTION DATA

## EMI GASKETS

| PART NO. | LARGEST OPENING | | | | DESIGN HEIGHT | | | | SMALLEST OPENING | |
|---|---|---|---|---|---|---|---|---|---|---|
| | HEIGHT INCHES (MM) | LOAD LB/FT (KG/M) | HEIGHT INCHES (MM) | LOAD LB/FT (KG/M) | HEIGHT INCHES (MM) | LOAD LB/FT (KG/M) | HEIGHT INCHES (MM) | LOAD LB/FT (KG/M) | HEIGHT INCHES (MM) | LOAD LB/FT (KG/M) |
| 77-010 | 0.055 (1.397) | 10 (15) | 0.045 (1.143) | 21 (31.5) | 0.035 (0.889) | 34 (51) | 0.025 (0.635) | 47 (70.5) | 0.015 (0.381) | 62 (93) |
| 77-011 | 12 (3.048) | 12 (18) | 0.095 (2.413) | 29 (43.5) | 0.070 (1.778) | 48 (72) | 0.045 (1.143) | 74 (111) | 0.020 (0.508) | 121 (181.5) |
| 77-012 | .100 (2.540) | 5 (7.5) | 0.085 (2.159) | 13 (19.5) | 0.075 (1.905) | 16 (24) | 0.060 (1.524) | 23 (34.5) | 0.050 (1.270) | 37 (55.5) |
| 77-014 | 0.195 (4.953) | 9 (13.5) | 0.170 (4.318) | 17 (25.5) | 0.I40 (3.556) | 25 (37.5) | 0.115 (2.921) | 32 (48) | 0.090 (2.286) | 44 (66) |
| 77-023 77-024 | 0.069 (1.753) | 0.19 (0.285) | 0.058 (1.473) | 0.41 (0.615) | 0.047 (1.194) | 0.67 (1.005) | 0.036 (0.914) | 1 (1.5) | 0.025 (0.635) | 1.3 (1.95) |
| 77-025 | 0.069 (1.753) | 0.19 (0.285) | 0.058 (1.473) | 0.41 (0.615) | 0.047 (1.194) | 0.67 (1.005) | 0.036 (0.914) | 1 (1.5) | 0.025 (0.635) | 1.3 (1.95) |
| 77-026 | 0.069 (1.753) | 0.19 (0.285) | 0.058 (1.473) | 0.41 (0.615) | 0.047 (1.194) | 0.67 (1.005) | 0.036 (0.914) | 1 (1.5) | 0.025 (0.635) | 1.3 (1.95) |
| 77-027 | 0.069 (1.753) | 0.19 (0.285) | 0.058 (1.473) | 0.41 (0.615) | 0.047 (1.194) | 0.67 (1.005) | 0.036 (0.914) | 1 (1.5) | 0.025 (0.635) | 1.3 (1.95) |
| 77-033 | 0.099 (2.515) | 7.5 (11.25) | 0.083 (2.108) | 16 (24) | 0.068 (1.727) | 23 (34.5) | 0.052 (1.321) | 29.2 (43.8) | 0.036 (0.914) | 86 (129) |
| 77-035 | 0.063 (1.600) | 0.2 (0.3) | 0.051 (1.295) | 0.5 (0.75) | 0.039 (0.991) | 0.9 (1.35) | 0.027 (0.686) | 1.3 (1.95) | 0.015 (0.381) | 1.8 (2.7) |

## EMI GROUNDING STRIPS

| PART NO. | SMALLEST DEFLECTION | | | | | | | | LARGEST DEFLECTION | |
|---|---|---|---|---|---|---|---|---|---|---|
| | DEFLECTION INCHES (MM) | LOAD LB/FT (KG/M) | DEFLECTION INCHES (MM) | LOAD LB/FT (KG/M) | DEFLECTION INCHES (MM) | LOAD LB/FT (KG/M) | DEFLECTION INCHES (MM) | LOAD LB/FT (KG/M) | DEFLECTION INCHES (MM) | LOAD LB/FT (KG/M) |
| 97-110 | 0.020 (0.508) | 6 (9) | 0.040 (1.016) | 17 (25) | 0.060 (1.524) | 30 (45) | 0.080 (2.032) | 46 (68) | 0.100 (2.540) | 72 (107) |
| 97-111 | 0.020 (0.508) | 1 (1.5) | 0.045 (1.143) | 1.9 (2.8) | 0.065 (1.651) | 2.7 (4) | 0.090 (2.286) | 3.9 (5.8) | 0.110 (2.794) | 4.9 (7.3) |
| 97-112 | 0.020 (0.508) | 8 (11) | 0.040 (1.016) | 17 (25) | 0.055 (1.397) | 24 (36) | 0.075 (1.905) | 37 (54) | 0.095 (2.413) | 53 (79) |
| 97-113 | 0.015 (0.381) | 2 (3) | 0.030 (0.762) | 4.4 (6.5) | 0.040 (1.016) | 5.9 (8.8) | 0.055 (1.397) | 8.3 (12.4) | 0.070 (1.778) | 13.2 (19.6) |
| 97-114 | 0.015 (0.381) | 2.9 (4.3) | 0.025 (0.635) | 5.1 (7.6) | 0.035 (0.889) | 7.2 (10.7) | 0.045 (1.143) | 9.4 (14) | 0.055 (1.397) | 11.7 (17.4) |
| 97-115 97-105 | 0.116 (2.946) | 6 (8) | 0.102 (2.591) | 14 (21) | 0.088 (2.235) | 20 (29) | 0.074 (1.880) | 29 (42) | 0.060 (1.524) | 48 (71) |
| 97-116 | 0.010 (0.254) | 11 (16) | 0.020 (0.508) | 22 (33) | 0.035 (0.889) | 44 (65) | 0.045 (1.143) | 62 (92) | 0.055 (1.397) | 84 (125) |
| 97-117 | 0.025 (0.635) | 1.8 (2.7) | 0.045 (1.143) | 4.9 (7.3) | 0.070 (1.778) | 9.6 (14.3) | 0.090 (2.286) | 13.9 (20.7) | 0.115 (2.921) | 19.5 (29) |
| 97-134 | 0.010 (0.254) | 4.8 (7.1) | 0.015 (0.381) | 6.9 (10.3) | 0.020 (0.508) | 9.8 (14.6) | 0.025 (0.635) | 12.7 (18.9) | 0.030 (0.762) | 16.3 (24.3) |
| 97-135 | 0.126 (3.200) | 18 (27) | 0.122 (3.099) | 44 (65) | 0.118 (2.997) | 72 (107) | 0.114 (2.900) | 109 (162) | 0.110 (2.794) | 142 (211) |
| 97-136 | 0.005 (0.127) | 7 (10) | 0.010 (0.254) | 14 (20) | 0.015 (0.381) | 22 (32) | 0.020 (0.508) | 29 (43) | 0.025 (0.635) | 36 (54) |
| 97-137 | 0.015 (0.381) | 7 (10) | 0.025 (0.635) | 13 (19) | 0.040 (1.016) | 21 (31) | 0.050 (1.270) | 26 (38) | 0.065 (1.651) | 32 (48) |
| 97-139 | 0.148 (3.759) | 24 (36) | 0.136 (3.454) | 52 (77) | 0.124 (3.150) | 79 (118) | 0.112 (2.845) | 108 (161) | 0.100 (2.540) | 140 (208) |
| 97-210 | 0.010 (0.254) | 4 (6) | 0.020 (0.508) | 8 (11) | 0.030 (0.762) | 11 (16) | 0.040 (1.016) | 14 (21) | 0.050 (1.270) | 16 (24) |
| 97-211 | 0.010 (0.254) | 1.8 (2.7) | 0.020 (0.508) | 3.8 (5.7) | 0.030 (0.762) | 5.8 (8.6) | 0.040 (1.016) | 7.8 (11.6) | 0.050 (1.270) | 9.9 (14.7) |
| 97-221 | 0.067 (1.702) | 18 (27) | 0.064 (1.626) | 31 (46) | 0.061 (1.549) | 51 (76) | 0.058 (1.473) | 66 (98) | 0.055 (1.397) | 85 (126) |
| 97-223 | 0.004 (0.102) | 0.7 (1.0) | 0.008 (0.203) | 2.1 (3.1) | 0.012 (0.305) | 3.3 (4.9) | 0.016 (0.406) | 4.8 (7.1 ) | 0.020 (0.508) | 6.1 (9.1) |
| 97-251 | 0.087 (2.210) | 30 (45) | 0.084 (2.134) | 58 (86) | 0.081 (2.057) | 87 (129) | 0.078 (1.981) | 117 (174) | 0.075 (1.905) | 136 (202) |

## EMI GASKETS

| PART NO. | LARGEST OPENING | | | | DESIGN HEIGHT | | | | SMALLEST OPENING | |
|---|---|---|---|---|---|---|---|---|---|---|
| | HEIGHT INCHES (MM) | LOAD LB/FT (KG/M) | HEIGHT INCHES (MM) | LOAD LB/FT (KG/M) | HEIGHT INCHES (MM) | LOAD LB/FT (KG/M) | HEIGHT INCHES (MM) | LOAD LB/FT (KG/M) | HEIGHT INCHES (MM) | LOAD LB/FT (KG/M) |
| 97-290 | 0.007 (0.178) | 3 (4) | 0.014 (0.356) | 7 (10) | 0.022 (0.559) | 16 (23) | 0.029 (0.737) | 25 (37) | 0.036 (0.914) | 34 (50) |
| 97-300 | 0.020 (0.508) | 4.6 (6.8) | 0.040 (1.016) | 9 (13.4) | 0.060 (1.524) | 14 (20.8) | 0.080 (2.032) | 19 (28.3) | 0.100 (2.540) | 25.4 (37.8) |
| 97-310 | 0.255 (6.477) | 3 (4.5) | 0.230 (5.842) | 6.5 (9.7) | 0.200 (5.080) | 10.5 (15.6) | 0.175 (4.445) | 14 (20.8) | 0.150 (3.810) | 25 (37.2) |
| 97-320 | 0.015 (0.381) | 31 (46) | 0.025 (0.635) | 52 (77) | 0.040 (1.016) | 88 (131) | 0.050 (1.270) | 118 (176) | 0.065 (1.651) | 158 (235) |
| 97-340 | 0.170 (4.318) | 10 (15) | 0.160 (4.064) | 22 (33) | 0.145 (3.683) | 52 (77) | 0.135 (3.429) | 91 (135) | 0.125 (3.175) | 168 (250) |
| 97-360 | 0.102 (2.591) | 9 (13) | 0.094 (2.388) | 19 (28) | 0.086 (2.184) | 30 (45) | 0.078 (1.981) | 41 (60) | 0.070 (1.778) | 78 (116) |
| 97-370 | 0.028 (0.711) | 34 (51) | 0.025 (0.635) | 64 (95) | 0.023 (0.584) | 94 (140) | 0.020 (0.508) | 132 (196 | 0.018 (0.457) | 156 (232) |
| 97-380 | 0.084 (2.133) | 10 (14) | 0.078 (1.981) | 19 (28) | 0.072 (1.829) | 30 (45) | 0.066 (1.676) | 40 (59) | 0.060 (1.524) | 53 (79) |
| 97-390 | 0.193 (4.902) | 23 (34) | 0.186 (4.724) | 55 (82) | 0.179 (4.547) | 90 (134) | 0.172 (4.369) | 138 (205) | 0.165 (4.191) | 183 (272) |
| 97-410 | 0.040 (1.016) | 5 (7) | 0.080 (2.032) | 10 (14) | 0.120 (3.048) | 18 (27) | 0.160 (4.064) | 29 (43) | 0.200 (5.080) | 42 (62) |
| 97-430 | .008 (0.203) | 6 (8.93) | 0.016 (0.406) | 12 (17.86) | 0.024 (0.609) | 18 (26.79) | 0.032 (0.813) | 29 (43.16) | 0.040 (1.016) | 42 (62.50) |
| 97-435 | 0.210 (5.334) | 1.1 (1.6) | 0.175 (4.445) | 2 (3) | 0.135 (3.429) | 3.1 (4.6) | 0.100 (2.540) | 4 (6) | 0.060 (1.524) | 5.2 (7.7) |
| 97-436 | 0.210 (5.334) | 4 (6) | 0.175 (4.445) | 7.5 (11.2) | 0.135 (3.429) | 11.5 (17.1) | 0.100 (2.540) | 14.8 (22) | 0.060 (1.524) | 19.2 (28.6) |
| 97-438 | 0.215 (5.461) | 10 (15) | 0.180 (4.572) | 22 (33) | 0.145 (3.683) | 32 (48) | 0.110 (2.794) | 42 (62) | 0.075 (1.905) | 60 (89) |
| 97-440 | 0.350 (8.890) | 17 (25) | 0.290 (7.366) | 31 (46) | 0.230 (5.842) | 41 (61) | 0.160 (4.064) | 51 (75) | 0.100 (2.540) | 64 (95) |
| 97-500 | 0.190 (4.826) | 16 (24) | 0.155 (3.937) | 26 (39) | 0.115 (2.921) | 35 (52) | 0.080 (2.032) | 44 (65) | 0.040 (1.016) | 53 (78) |
| 97-505 | 0.195 (4.953) | 16 (24) | 0.160 (4.064) | 27 (40) | 0.130 (3.302) | 35 (52) | 0.095 (2.413) | 43 (63) | 0.060 (1.524) | 55 (81) |
| 97-510 | 0.200 (5.080) | 14 (21) | 0.175 (4.445) | 25 (37) | 0.145 (3.683) | 42 (62) | 0.120 (3.048) | 66 (98) | 0.090 (2.286) | 132 (196) |
| 97-515 | 0.195 (4.953) | 16 (23) | 0.160 (4.064) | 27 (40) | 0.130 (3.302) | 34 (50) | 0.095 (2.413) | 40 (60) | 0.060 (1.524) | 52 (77) |
| 97-520 | 0.125 (3.175) | 18 (27) | 0.110 (2.794) | 32 (48) | 0.100 (2.540) | 39 (58) | 0.085 (2.159) | 49 (73) | 0.070 (1.778) | 59 (88) |
| 97-521 | 0.125 (3.175) | 16 (24) | 0.110 (2.794) | 28 (42) | 0.100 (2.540) | 36 (54) | 0.085 (2.159) | 47 (70) | 0.070 (1.778) | 59 (88) |
| 97-525 | 0.126 (3.200) | 18 (27) | 0.112 (2.845) | 35 (52) | 0.098 (2.489) | 49 (73) | 0.084 (2.134) | 59 (88) | 0.070 (1.778) | 68 (101) |
| 97-535 | 0.215 (5.461) | 20 (29) | 0.180 (4.572) | 32 (48) | 0.150 (3.810) | 42 (62) | 0.115 (2.921) | 52 (77) | 0.080 (2.032) | 64 (95) |
| 97-536 | 0.275 (6.985) | 21 (31) | 0.240 (6.096) | 26 (38) | 0.210 (5.334) | 49 (73) | 0.175 (4.445) | 56 (83) | 0.140 (3.556) | 62 (92) |
| 97-537 | 0.350 (8.890) | 27 (40) | 0.290 (7.366) | 47 (69) | 0.230 (5.842) | 62 (92) | 0.160 (4.064) | 72 (107) | 0.100 (2.540) | 87 (129) |
| 97-538 | 0.215 (5.461) | 14 (20) | 0.180 (4.572) | 27 (40) | 0.150 (3.810) | 36 (54) | 0.115 (2.921) | 47 (69) | 0.080 (2.032) | 65 (97) |
| 97-540 | 0.100 (2.540) | 18 (27) | 0.090 (2.286) | 20 (30) | 0.080 (2.032) | 45 (66) | 0.075 (1.905) | 52 (77) | 0.065 (1.651) | 62 (92) |
| 97-541 | 0.106 (2.692) | 23 (34) | 0.092 (2.337) | 42 (62) | 0.078 (1.981) | 56 (83) | 0.064 (1.626) | 67 (100) | 0.050 (1.270) | 87 (129) |
| 97-542 | 0.074 (1.888) | 36 (0.53) | 0.068 (1.727) | 63 (94.5) | 0.062 (1.575) | 80 (120) | 0.056 (1.422) | 91 (182) | 0.050 (1.270) | 97 (194) |
| 97-544 | 0.100 (2.540) | 11 (16) | 0.090 (2.286 | 24 (36) | 0.080 (2.032) | 37 (55) | 0.075 (1.905) | 43 (63) | 0.065 (1.651) | 55 (81) |
| 97-545 | 0.350 (8.890) | 8 (12) | 0.285 (7.239) | 20 (30) | 0.225 (5.715) | 37 (55) | 0.160 (4.064) | 70 (105) | 0.100 (2.540) | 101 (152) |

All dimensions shown are in inches (millimeters) unless otherwise specified.

## EMI GASKETS *(continued)*

| PART NO. | LARGEST OPENING | | | | DESIGN HEIGHT | | | | SMALLEST OPENING | |
|---|---|---|---|---|---|---|---|---|---|---|
| | HEIGHT INCHES (MM) | LOAD LB/FT (KG/M) | HEIGHT INCHES (MM) | LOAD LB/FT (KG/M) | HEIGHT INCHES (MM) | LOAD LB/FT (KG/M) | HEIGHT INCHES (MM) | LOAD LB/FT (KG/M) | HEIGHT INCHES (MM) | LOAD LB/FT (KG/M) |
| 97-548 | 0.220 (5.588) | 12 (18) | 0.190 (4.826) | 23 (34) | 0.160 (4.064) | 33 (49) | 0.130 (3.302) | 58 (87) | 0.100 (2.540) | 108 (162) |
| 97-550 | 0.026 (0.660) | 8 (12) | 0.022 (0.559) | 18 (27) | 0.018 (0.457) | 25 (37) | 0.014 (0.356) | 33 (49) | 0.010 (0.254) | 48 (71) |
| 97-551 | 0.026 (0.660) | 6 (9) | 0.022 (0.559) | 14 (20) | 0.018 (0.457) | 21 (31) | 0.014 (0.356) | 32 (48) | 0.010 (0.254) | 42 (62) |
| 97-552 | 0.026 (0.660) | 11 (16) | 0.022 (0.559) | 24 (36) | 0.018 (0.457) | 32 (48) | 0.014 (0.356) | 42 (62) | 0.010 (0.254) | 55 (82) |
| 97-553 | 0.026 (0.660) | 11 (16) | 0.022 (0.559) | 24 (36) | 0.018 (0.457) | 32 (48) | 0.014 (0.356) | 42 (62) | 0.010 (0.254) | 55 (82) |
| 97-555 | 0.063 (1.600) | 11 (16) | 0.056 (1.422) | 22 (33) | 0.049 (1.245) | 33 (49) | 0.042 (1.067) | 40 (60) | 0.035 (0.889) | 44 (65) |
| 97-556 | 0.063 (1.600) | 29 (42) | 0.056 (1.422) | 46 (68) | 0.049 (1.245) | 64 (94) | 0.042 (1.067) | 82 (123) | 0.035 (0.889) | 123 (184) |
| 97-558 | 0.063 (1.600) | 10 (15) | 0.056 (1.422) | 21 (31) | 0.049 (1.245) | 37 (55) | 0.042 (1.067) | 46 (68) | 0.035 (0.889) | 52 (77) |
| 97-559 | 0.064 (1.625) | 11 (16) | 0.058 (1.473) | 21 (31) | 0.052 (1.321) | 32 (48) | 0.046 (1.168) | 39 (58.5) | 0.040 (1.016) | 45 (67) |
| 97-560 | 0.063 (1.600) | 11 (16) | 0.056 (1.422) | 28 (42) | 0.049 (1.245) | 43 (64) | 0.042 (1.067) | 56 (83) | 0.035 (0.889) | 65 (97) |
| 97-561 | 0.063 (1.600) | 24 (36) | 0.056 (1.422) | 47 (69) | 0.049 (1.245) | 76 (114) | 0.042 (1.067) | 107 (160) | 0.035 (0.889) | 154 (231) |
| 97-563 | 0.063 (1.600) | 9 (13.5) | 0.056 (1.422) | 18 (27) | 0.049 (1.245) | 27 (40) | 0.042 (1.067) | 32 (48) | 0.035 (0.889) | 34 (51) |
| 97-564 | 0.063 (1.600) | 9 (13.5) | 0.056 (1.422) | 18 (27) | 0.049 (1.245) | 27 (40) | 0.042 (1.067) | 32 (48) | 0.035 (0.889) | 34 (51) |
| 97-572 97-580 | 0.026 (0.660) | 11 (16) | 0.022 (0.559) | 25 (37) | 0.018 (0.457) | 37 (55) | 0.014 (0.356) | 50 (75) | 0.010 (0.254) | 61 (91.5) |
| 97-573 | 0.063 (1.600) | 10 (15) | 0.056 (1.422) | 18 (27) | 0.049 (1.245) | 26 (39) | 0.042 (1.067) | 36 (53) | 0.035 (0.889) | 56 (83) |
| 97-574 | 0.026 (0.660) | 11 (16) | 0.022 (0.559) | 25 (37) | 0.018 (0.457) | 37 (55) | 0.014 (0.356) | 50 (74) | 0.010 (0.254) | 61 (91) |
| 97-575 | 0.063 (1.600) | 10 (15) | 0.056 (1.422) | 18 (27) | 0.049 (1.245) | 26 (39) | 0.042 (1.067) | 36 (53) | 0.035 (0.889) | 56 (83) |
| 97-576 97-584 | 0.065 (1.651) | 11 (17) | 0.055 (1.397) | 22 (33) | 0.045 (1.143) | 32 (47) | 0.035 (0.889) | 37 (54) | 0.025 (0.635) | 40 (60) |
| 97-577 | 0.067 (1.702) | 16 (24) | 0.059 (1.497) | 46 (68) | 0.051 (1.295) | 65 (97) | 0.043 (1.092) | 84 (125) | 0.035 (0.889) | 104 (155) |
| 97-578 | 0.065 (1.651) | 11 (17) | 0.055 (1.397) | 22 (33) | 0.045 (1.143) | 32 (47) | 0.035 (0.889) | 37 (54) | 0.025 (0.640) | 40 (60) |
| 97-579 | 0.067 (1.702) | 16 (24) | 0.059 (1.497) | 46 (68) | 0.051 (1.295) | 65 (97) | 0.043 (1.092) | 84 (125) | 0.035 (0.889) | 104 (155) |
| 97-603 | 0.170 (4.318) | 5 (7) | 0.145 (3.683) | 10 (15) | 0.115 (2.921) | 17 (25) | 0.090 (2.286) | 24 (36) | 0.060 (1.524) | 53 (78) |
| 97-604 | 0.245 (6.223) | 6 (9) | 0.210 (5.334) | 13 (19) | 0.170 (4.318) | 22 (33) | 0.135 (3.429) | 30 (45) | 0.100 (2.540) | 40 (60) |
| 97-605 | 0.170 (4.318) | 5 (7) | 0.145 (3.683) | 10 (15) | 0.115 (2.921) | 17 (25) | 0.090 (2.286) | 24 (36) | 0.060 (1.524) | 53 (78) |
| 97-606 | 0.170 (4.318) | 5 (7) | 0.145 (3.683) | 10 (15) | 0.115 (2.921) | 17 (25) | 0.090 (2.286) | 24 (36) | 0.060 (1.524) | 53 (78) |
| 97-607 | 0.245 (6.223) | 6 (9) | 0.210 (5.334) | 13 (19) | 0.170 (4.318) | 22 (33) | 0.135 (3.429) | 30 (45) | 0.100 (2.540) | 40 (60) |
| 97-610 | 0.093 (2.362) | 3 (4) | 0.086 (2.184) | 11 (16) | 0.079 (2.107) | 23 (34) | 0.072 (1.829) | 37 (55) | 0.065 (1.651) | 69 (103) |
| 97-611 | 0.092 (2.337) | 1 (1.5) | 0.084 (2.134) | 3 (4.5) | 0.076 (1.930) | 5.5 (8.2) | 0.068 (1.727) | 11 (16.4) | 0.060 (1.524) | 19 (28.3) |
| 97-612 | 0.090 (2.286) | 3 (4) | 0.080 (2.032) | 14 (21) | 0.065 (1.651) | 47 (69) | 0.055 (1.397) | 67 (100) | 0.045 (1.143) | 83 (124) |
| 97-613 | 0.092 (2.337) | 6 (9) | 0.084 (2.134) | 17 (25) | 0.076 (1.930) | 26 (39) | 0.068 (1.727) | 38 (57) | 0.060 (1.524) | 62 (92) |
| 97-614 | 0.093 (2.362) | 3 (4) | 0.086 (2.184) | 11 (16) | 0.079 (2.007) | 23 (34) | 0.072 (1.829) | 37 (55) | 0.065 (1.651) | 69 (103) |
| 97-619 | 0.073 (1.854) | 32 (48) | 0.066 (1.676) | 75 (112) | 0.059 (1.499) | 118 (176) | 0.052 (1.321) | 170 (253) | 0.045 (1.143) | 205 (305) |
| 97-621 | 0.110 (2.794) | 6 (9) | 0.100 (2.540) | 12 (17) | 0.090 (2.286) | 19 (28) | 0.080 (2.032) | 26 (39) | 0.070 (1.778) | 52 (77) |

## EMI GASKETS *(continued)*

| PART NO. | LARGEST OPENING | | | | DESIGN HEIGHT | | | | SMALLEST OPENING | |
|---|---|---|---|---|---|---|---|---|---|---|
| | HEIGHT INCHES (MM) | LOAD LB/FT (KG/M) | HEIGHT INCHES (MM) | LOAD LB/FT (KG/M) | HEIGHT INCHES (MM) | LOAD LB/FT (KG/M) | HEIGHT INCHES (MM) | LOAD LB/FT (KG/M) | HEIGHT INCHES (MM) | LOAD LB/FT (KG/M) |
| 97-622 | 0.110 (2.794) | 8 (12) | 0.100 (2.540) | 18 (27) | 0.095 (2.413) | 21 (31) | 0.085 (2.159) | 30 (45) | 0.075 (1.905) | 45 (67) |
| 97-625 | 0.165 (4.191) | 5 (7) | 0.140 (3.556) | 11 (16) | 0.120 (3.048) | 16 (24) | 0.095 (2.413) | 23 (34) | 0.070 (1.778) | 30 (45) |
| 97-628 | 0.180 (4.572) | 3 (4) | 0.155 (3.937) | 6 (9) | 0.125 (3.175) | 11 (16) | 0.100 (2.540) | 16 (24) | 0.070 (1.778) | 25 (37) |
| 97-629 | 0.180 (4.572) | 3 (4) | 0.155 (3.937) | 6 (9) | 0.125 (3.175) | 11 (16) | 0.100 (2.540) | 16 (24) | 0.070 (1.778) | 25 (37) |
| 97-630 | 0.180 (4.572) | 3 (4) | 0.155 (3.937) | 6 (9) | 0.125 (3.175) | 11 (16) | 0.100 (2.540) | 16 (24) | 0.070 (1.778) | 25 (37) |
| 97-631 | 0.185 (4.699) | 3 (4) | 0.160 (4.064) | 6 (9) | 0.130 (3.302) | 11 (16) | 0.105 (2.667) | 17 (25) | 0.080 (2.032) | 36 (53) |
| 97-632 | 0.185 (4.699) | 3 (4) | 0.160 (4.064) | 6 (9) | 0.130 (3.302) | 11 (16) | 0.105 (2.667) | 16 (23) | 0.080 (2.032) | 37 (55) |
| 97-633 | 0.185 (4.699) | 3 (4) | 0.160 (4.064) | 6 (9) | 0.130 (3.302) | 11 (16) | 0.105 (2.667) | 17 (25) | 0.080 (2.032) | 36 (53) |
| 97-634 | 0.185 (4.699) | 3 (4) | 0.160 (4.064) | 6 (9) | 0.130 (3.302) | 11 (16) | 0.105 (2.667) | 16 (23) | 0.080 (2.032) | 37 (55) |
| 97-637 | 0.095 (2.413) | 18.3 (27.4) | .086 (2.184) | 29.6 (44.4) | .078 (1.981) | 40.7 (61) | .069 (1.752) | 52.9 (79.4) | .060 (1.524) | 66.7 (100.5) |
| 97-640 | 0.220 (5.588) | 12 (18) | 0.180 (4.572) | 25 (37) | 0.140 (3.566) | 36 (54) | 0.100 (2.540) | 46 (68) | 0.060 (1.524) | 64 (94) |
| 97-645 | 0.026 (0.660) | 3 (4.5) | 0.022 (0.559) | 6 (8.9) | 0.018 (0.457) | 7 (10.4) | 0.014 (0.356) | 9.5 (14.1) | 0.010 (0.254) | 15 (22.3) |
| 97-650 | 0.360 (9.144) | 9 (13) | 0.320 (8.128) | 15 (22) | 0.280 (7.112) | 25 (37) | 0.240 (6.096) | 32 (48) | 0.200 (5.080) | 41 (60) |
| 97-654 | 0.026 (0.660) | 0.03 (0.4) | 0.023 (0.584) | 0.6 (0.9) | 0.021 (0.533) | 0.8 (1.2) | 0.018 (0.457) | 1.1 (1.65) | 0.015 (0.381) | 1.3 (1.95) |
| 97-655 | 0.080 (2.032) | 4 (6) | 0.070 (1.778) | 8 (12) | 0.060 (1.524) | 17 (25) | 0.050 (1.270) | 27 (40) | 0.040 (1.016) | 37 (55) |
| 97-656 | 0.200 (5.080) | 5.5 (8.2) | 0.170 (4.318) | 10.5 (15.6) | 0.140 (3.556) | 12.5 (18.6) | 0.110 (2.794) | 16.5 (24.6) | 0.080 (2.032) | 24.5 (36.5) |
| 97-880 | 0.230 (5.842) | 3 (4) | 0.210 (5.334) | 9 (13) | 0.190 (4.826) | 16 (24) | 0.170 (4.318) | 29 (43) | 0.150 (3.810) | 43 (63) |
| 97-883 | 0.230 (5.842) | 4 (6) | 0.210 (5.334) | 11 (16) | 0.190 (4.826) | 18 (27) | 0.170 (4.318) | 29 (42) | 0.150 (3.810) | 41 (60) |
| 97-885 | 0.230 (5.842) | 6 (9) | 0.210 (5.334) | 13 (19) | 0.190 (4.826) | 19 (28) | 0.170 (4.318) | 31 (46) | 0.150 (3.810) | 48 (71) |
| 97-887 | 0.230 (5.842) | 6 (9) | 0.210 (5.334) | 13 (19) | 0.190 (4.826) | 19 (28) | 0.170 (4.318) | 31 (46) | 0.150 (3.810) | 48 (71) |
| 97-912 | 0.224 (5.690) | 6 (8.9) | 0.193 (4.902) | 9.5 (14.1) | 0.161 (4.089) | 14.5 (21.6) | 0.130 (3.302) | 21 (31.2) | 0.098 (2.489) | 28 (41.7) |
| 97-921 | 0.210 (5.334) | 2.5 (3.7) | 0.185 (4.699) | 4.3 (6.4) | 0.165 (4.191) | 6.6 (9.8) | 0.140 (3.556) | 9.6 (14.3) | 0.120 (3.048) | 13.7 (20.4) |
| 97-941 | 0.155 (3.937) | 4.2 (6.2) | 0.140 (3.556) | 7.4 (11) | 0.120 (3.048) | 12.1 (18) | 0.105 (2.667) | 14.8 (22) | 0.090 (2.286) | 17.2 (25.6) |
| 97-951 | 0.195 (4.953) | 20 (30) | 0.170 (4.318) | 36 (53) | 0.150 (3.810) | 44 (65) | 0.125 (3.175) | 62 (92) | 0.100 (2.540) | 92 (137) |
| 97-952 | 0.195 (4.953) | 16 (24) | 0.170 (4.318) | 25 (37) | 0.150 (3.810) | 33 (49) | 0.125 (3.175) | 47 (70) | 0.100 (2.540) | 74 (110) |
| 97-954 | 0.126 (3.200) | 9 (13) | 0.112 (2.845) | 18 (26) | 0.098 (2.489) | 24 (36) | 0.084 (2.134) | 31 (46) | 0.070 (1.778) | 46 (68) |
| 97-955 | 0.126 (3.200) | 11 (16) | 0.112 (2.845) | 21 (31) | 0.098 (2.489) | 28 (42) | 0.084 (2.134) | 37 (55) | 0.070 (1.778) | 62 (92) |
| 97-957 | 0.100 (2.540) | 13 (19) | 0.090 (2.286) | 26 (39) | 0.080 (2.032) | 37 (55) | 0.065 (1.651) | 65 (97) | 0.055 (1.397) | 102 (152) |
| 97-958 | 0.102 (2.591) | 8 (12) | 0.094 (2.388) | 17 (25) | 0.086 (2.184) | 26 (39) | 0.078 (1.981) | 40 (60) | 0.070 (1.778) | 57 (84) |
| 97-974 | 0.130 (3.302) | 0.8 (1.2) | 0.110 (2.794) | 1.5 (2.2) | 0.090 (2.286) | 2.5 (3.7) | 0.070 (1.778) | 3.6 (5.4) | 0.050 (1.270) | 5.1 (7.6) |
| 97-975 | 0.260 (6.604) | 4.2 (6.2) | 0.210 (5.334) | 7.7 (11.5) | 0.160 (4.064) | 11.3 (16.8) | 0.120 (3.048) | 14 (20.8) | 0.070 (1.778) | 18.8 (28) |
| 97-976 | 0.145 (3.683) | 1.4 (2.1) | 0.115 (2.921) | 3.1 (4.6) | 0.080 (2.032) | 5 (7.4) | 0.050 (1.270) | 6.6 (9.8) | 0.020 (0.508) | 8.9 (13.2) |

All dimensions shown are in inches (millimeters) unless otherwise specified.

# LOAD/DEFLECTION DATA

## ULTRASOFT GASKETS

| PART NO. | LARGEST OPENING | | | | DESIGN HEIGHT | | | | SMALLEST OPENING | |
|---|---|---|---|---|---|---|---|---|---|---|
| | HEIGHT INCHES (MM) | LOAD LB/FT (KG/M) | HEIGHT INCHES (MM) | LOAD LB/FT (KG/M) | HEIGHT INCHES (MM) | LOAD LB/FT (KG/M) | HEIGHT INCHES (MM) | LOAD LB/FT (KG/M) | HEIGHT INCHES (MM) | LOAD LB/FT (KG/M) |
| 78-010 | 0.056 (1.422) | 3.4 (5.1) | 0.044 (1.118) | 7.5 (11.25) | 0.033 (0.838) | 11.5 (17.25) | 0.021 (0.533) | 16.7 (25.05) | 0.010 (0.254) | 22 ( 33) |
| 78-011 | 0.120 (3.048) | 2.3 (3.45) | 0.090 (2.286) | 5.7 (8.55) | 0.065 (1.651) | 9.2 (13.8) | 0.040 (1.016) | 15 (22.5) | 0.015 (0.381) | 25.5 (38.25) |
| 78-014 | 0.195 (4.953) | 1.6 (2.4) | 0.170 (4.318) | 3.1 (4.65) | 0.140 (3.556) | 4.5 (6.75) | 0.115 (2.921) | 5.4 (8.1) | 0.090 (2.286) | 7.4 (11.1) |
| 78-023 | 0.067 (1.702) | 0.06 (0.09) | 0.054 (1.372) | 0.12 (0.18) | 0.041 (1.041) | 0.18 (0.27) | 0.028 (0.711) | 0.25 (0.375) | 0.015 (0.381) | 0.34 (0.51) |
| 78-025 | 0.067 (1.702) | 0.06 (0.09) | 0.054 (1.372) | 0.12 (0.18) | 0.041 (1.041) | 0.18 (0.27) | 0.028 (0.711) | 0.25 (0.375) | 0.015 (0.381) | 0.34 (0.51) |
| 78-026 | 0.067 (1.702) | 0.06 (0.09) | 0.054 (1.372) | 0.12 (0.18) | 0.041 (1.041) | 0.18 (0.27) | 0.028 (0.711) | 0.25 (0.375) | 0.015 (0.381) | 0.34 (0.51) |
| 78-027 | 0.067 (1.702) | 0.06 (0.09) | 0.054 (1.372) | 0.12 (0.18) | 0.041 (1.041) | 0.18 (0.27) | 0.028 (0.711) | 0.25 (0.375) | 0.015 (0.381) | 0.34 (0.51) |
| 78-033 | 0.099 (2.515) | 7.5 (11.25) | 0.083 (2.108) | 16 (24) | 0.068 (1.727) | 23 (34.5) | 0.052 (1.321) | 29.2 (43.8) | 0.036 (0.914) | 86 (129) |
| 78-036 | 0.063 (1.600) | 0.09 (0.135) | 0.051 (1.295) | 0.18 (0.27) | 0.039 (0.991) | 0.29 (0.435) | 0.027 (0.686) | 0.4 (0.6) | 0.015 (0.381) | 0.6 (0.9) |

## ULTRASOFT GROUNDING STRIPS

| PART NO. | SMALLEST DEFLECTION | | | | | | | | LARGEST DEFLECTION | |
|---|---|---|---|---|---|---|---|---|---|---|
| | DEFLECTION INCHES (MM) | LOAD LB/FT (KG/M) | DEFLECTION INCHES (MM) | LOAD LB/FT (KG/M) | DEFLECTION INCHES (MM) | LOAD LB/FT (KG/M) | DEFLECTION INCHES (MM) | LOAD LB/FT (KG/M) | DEFLECTION INCHES (MM) | LOAD LB/FT (KG/M) |
| 98-110 | 0.020 (0.508) | 10 (15) | 0.040 (1.016) | 23 (34) | 0.060 (1.524) | 36 (54) | 0.080 (2.032) | 51 (76) | 0.100 (2.540) | 65 (97) |
| 98-111 | 0.020 (0.508) | 0.08 (01.2) | 0.045 (1.143) | 0.18 (0.27) | 0.065 (1.651) | .026 (0.39) | 0.090 (2.286) | 0.36 (0.54) | 0.110 (2.794) | 0.44 (0.65) |
| 98-112 | 0.025 (0.635) | 0.8 (1.2 ) | 0.050 (1.270) | 1.4 (2.1) | 0.070 (1.778) | 1.9 (2.8) | 0.095 (2.413) | 2.9 (4.3) | 0.120 (3.048) | 4.1 (6.1) |
| 98-113 | 0.016 (0.406) | 0.3 (0.4) | 0.032 (0.813) | 0.7 (1.0) | 0.048 (1.219) | 1 (1.5) | 0.064 (1.626) | 1.4 (2.1) | 0.080 (2.032) | 2.1 (3.1) |
| 98-114 | 0.012 (0.305) | 0.3 (0.4) | 0.024 (0.610) | 0.6 (0.9) | 0.036 (0.914) | 1 (1.5) | 0.048 (1.219) | 1.4 (2.1) | 0.060 (1.524) | 2.1 (3.1) |
| 98-115 98-105 | 0.120 (3.048) | 1.3 (1.9) | 0.105 (2.667) | 3.2 (4.8) | 0.095 (2.413) | 4.6 (6.8) | 0.0802 (2.03) | 5 (7.4) | 0.070 (1.778) | 9.2 (13.7) |
| 98-116 | 0.013 (0.330) | 10 (14) | 0.026 (0.660) | 18 (27) | 0.039 (0.991) | 24 (36) | 0.052 (1.321) | 34 (50) | 0.065 (1.651) | 42 (62) |
| 98-117 | 0.020 (0.508) | 0.5 (0.7) | 0.040 (1.016) | 1.2 (1.8) | 0.055 (1.397) | 1.8 (2.7) | 0.075 (1.905) | 2.6 (3.9) | 0.095 (2.413) | 3.6 (5.4) |
| 98-134 | 0.020 (0.508) | 0.5 (0.7) | 0.040 (1.016) | 1.3 (1.9) | 0.060 (1.524) | 2.1 (3.1) | 0.080 (2.032) | 3.4 (5.1) | 0.100 (2.540) | 7.5 (11.2) |
| 98-136 | 0.016 (0.406) | 1.2 (1.8) | 0.032 (0.813) | 2.6 (3.9) | 0.048 (1.219) | 4.5 (6.7) | 0.064 (1.626) | 7.2 (10.7) | 0.080 (2.032) | 12 (17.9) |
| 98-137 | 0.030 (0.762) | 4 (6) | 0.065 (1.651) | 9 (13) | 0.095 (2.413) | 13 (19) | 0.130 (3.302) | 19 (28) | 0.160 (4.064) | 26 (39) |
| 98-139 | 0.145 (3.683) | 0.4 (0.6) | 0.130 (3.302) | 0.8 (1.2) | 0.110 (2.794) | 1.3 (1.9) | 0.095 (2.413) | 1.7 (2.5) | 0.080 (2.032) | 2.5 (3.7) |
| 98-210 | 0.010 (0.254) | 0.4 (0.6) | 0.020 (0.508) | 0.8 (1.2) | 0.030 (0.762) | 1.2 (1.8) | 0.040 (1.016) | 1.7 (2.5) | 0.050 (1.270) | 2.2 (3.3) |
| 98-211 | 0.010 (0.254) | 0.2 (0.3) | 0.020 (0.508) | 0.4 (0.6) | 0.030 (0.762) | 0.6 (0.9) | 0.040 (1.016) | 0.9 (1.3) | 0.050 (1.270) | 1.1 (1.6) |
| 98-223 | 0.010 (0.254) | 0.7 (1) | 0.020 (0.508) | 1.7 (2.5) | 0.030 (0.762) | 2.7 (4) | 0.040 (1.016) | 4.2 (6.2) | 0.050 (1.270) | 8.8 (13.1) |
| 98-290 | 0.030 (0.762) | 5 (7) | 0.055 (1.397) | 10 (14) | 0.080 (2.032) | 15 (22) | 0.110 (2.794) | 26 (39) | 0.135 (3.429) | 36 (54) |
| 98-300 | 0.020 (0.508) | 0.2 (0.3) | 0.040 (1.016) | 0.5 (0.7) | 0.060 (1.524) | 0.9 (1.3) | 0.080 (2.032) | 1.2 (1.8) | 0.100 (2.540) | 1.9 (2.8) |
| 98-410 | 0.050 (1.270) | 4.5 (6.7) | 0.100 (2.540) | 8.9 (13.2) | 0.150 (3.810) | 9.8 (14.6) | 0.200 (5.080) | 12.3 (18.3) | 0.250 (6.350) | 15.8 (23.5) |
| 98-430 | 0.008 (0.203) | 0.5 (0.75) | 0.016 (0.406) | 1.2 (1.8) | 0.024 (0.61) | 1.9 (2.85) | 0.032 (0.813) | 2.6 (3.9) | 0.04 (1.016) | 3.3 (4.95) |

## ULTRASOFT GASKETS *(continued)*

| PART NO. | LARGEST OPENING | | | | DESIGN HEIGHT | | | | SMALLEST OPENING | |
|---|---|---|---|---|---|---|---|---|---|---|
| | HEIGHT INCHES (MM) | LOAD LB/FT (KG/M) | HEIGHT INCHES (MM) | LOAD LB/FT (KG/M) | HEIGHT INCHES (MM) | LOAD LB/FT (KG/M) | HEIGHT INCHES (MM) | LOAD LB/FT (KG/M) | HEIGHT INCHES (MM) | LOAD LB/FT (KG/M) |
| 98-135 | 0.120 (3.048) | 17 (25) | 0.110 (2.794) | 39 (58) | 0.105 (2.667) | 58 (86) | 0.095 (2.413) | 103 (153) | 0.085 (2.159) | 165 (246) |
| 98-221 | 0.064 (1.626) | 1.9 (2.8) | 0.058 (1.473) | 3.9 (5.8) | 0.052 (1.321) | 6.4 (9.5) | 0.046 (1.168) | 9.2 (13.7) | 0.040 (1.016) | 17.5 (26) |
| 98-251 | 0.084 (2.134) | 0.9 (1.3) | 0.078 (1.981) | 2.4 (3.6) | 0.072 (1.829) | 3.4 (5.1) | 0.066 (1.676) | 4.5 (6.7) | 0.060 (1.524) | 6.8 (10.1) |
| 98-310 | 0.250 (6.350) | 1.2 (1.8) | 0.225 (5.715) | 2 (3) | 0.195 (4.953) | 3.2 (4.8) | 0.170 (4.318) | 4.6 (6.8) | 0.140 (3.556) | 11.8 (17.6) |
| 98-320 | 0.016 (0.406) | 7 (10) | 0.032 (0.813) | 16 (24) | 0.048 (1.219) | 28 (42) | 0.064 (1.626) | 42 (62) | 0.080 (2.032) | 58 (86) |
| 98-340 | 0.165 (4.191) | 1 (1) | 0.150 (3.810) | 4 (6) | 0.140 (3.556) | 6 (9) | 0.125 (3.175) | 16 (24) | 0.110 (2.794) | 43 (64) |
| 98-360 | 0.100 (2.540) | 0.6 (0.9) | 0.090 (2.286) | 1.5 (2.2) | 0.080 (2.032) | 2.5 (3.7) | 0.070 (1.778) | 4 (6) | 0.060 (1.524) | 18.3 (27.2) |
| 98-370 | 0.027 (0.686) | 8 (12) | 0.024 (0.610) | 17 (25) | 0.021 (0.533) | 28 (41) | 0.018 (0.457) | 34 (50) | 0.015 (0.381) | 38 (57) |
| 98-380 | 0.082 (2.083) | 1 (1) | 0.074 (1.880) | 2 (3) | 0.066 (1.676) | 4 (6) | 0.058 (1.473) | 14 (21) | 0.050 (1.270) | 39 (58) |
| 98-390 | 0.185 (4.699) | 5 (7) | 0.170 (4.318) | 10 (15) | 0.150 (3.810) | 21 (31) | 0.135 (3.429) | 31 (45) | 0.120 (3.048) | 44 (65) |
| 98-435 | 0.210 (5.334) | 0.1 (0.2) | 0.17 0 (4.318) | 0.3 (0.4) | 0.130 (3.302) | 0.4 (0.6) | 0.090 (2.286) | 0.6 (0.8) | 0.050 (1.270) | 0.8 (1.2) |
| 98-436 | 0.210 (5.334) | 0.9 (1.3) | 0.170 (4.318) | 1.8 (2.7) | 0.130 (3.302) | 2.7 (4) | 0.090 (2.286) | 3.6 (5.4) | 0.050 (1.270) | 5.9 (8.8) |
| 98-438 | 0.210 (5.334) | 3.2 (4.8) | 0.175 (4.445) | 6.4 (9.5) | 0.135 (3.429) | 9.4 (14) | 0.100 (2.540) | 12.4 (18.5) | 0.060 (1.524) | 17.8 (26.5) |
| 98-440 | 0.340 (8.636) | 5 (7.4) | 0.280 (7.112) | 7.3 (10.9) | 0.210 (5.334) | 9.7 (14.4) | 0.150 (3.810) | 12.2 (18.2) | 0.080 (2.032) | 16.3 (24.3) |
| 98-500 | 0.195 (4.953) | 3.8 (5.7) | 0.160 (4.064) | 5.8 (8.6) | 0.130 (3.302) | 7.1 (10.6) | 0.095 (2.413) | 8.4 (12.5) | 0.060 (1.524) | 10.2 (15.2) |
| 98-505 | 0.195 (4.953) | 4 (6.0) | 0.160 (4.064) | 6.3 (9.4) | 0.130 (3.302) | 7.7 (11.5) | 0.095 (2.413) | 9.4 (14) | 0.060 (1.524) | 12.5 (18.6) |
| 98-510 | 0.200 (5.080) | 3.8 (5.7) | 0.175 (4.445) | 5.9 (8.85) | 0.145 (3.683) | 11.6 (17.4) | 0.120 (3.048) | 24.8 (37.2) | 0.090 (2.286) | 55.7 (83.6) |
| 98-515 | 0.195 (4.953) | 2.8 (4.2) | 0.160 (4.064) | 4.7 (7) | 0.130 (3.302) | 5.8 (8.6) | 0.095 (2.413) | 7.3 (10.9) | 0.060 (1.524) | 11 (16.4) |
| 98-520 | 0.120 (3.048) | 8 (11) | 0.100 (2.540) | 12 (18) | 0.080 (2.032) | 16 (23) | 0.060 (1.524) | 19 (28) | 0.040 (1.016) | 23 (34) |
| 98-521 | 0.125 (3.175) | 6 (8) | 0.110 (2.794) | 10 (15) | 0.090 (2.286) | 15 (22) | 0.075 (1.905) | 18 (27) | 0.060 (1.524) | 32 (47) |
| 98-525 | 0.120 (3.048) | 9 (13) | 0.105 (2.667) | 16 (24) | 0.085 (2.159) | 22 (33) | 0.070 (1.778) | 26 (39) | 0.050 (1.270) | 32 (47) |
| 98-535 | 0.210 (5.334) | 9 (13.4) | 0.175 (4.445) | 15 (22.3) | 0.135 (3.429) | 23 (34.2) | 0.100 (2.540) | 31.5 (46.9) | 0.060 (1.524) | 53 (78.9) |
| 98-536 | 0.265 (6.731) | 2.2 (3.3) | 0.220 (5.588) | 3.6 (5.4) | 0.170 (4.318) | 4.6 (6.8) | 0.125 (3.175) | 5.2 (7.7) | 0.080 (2.032) | 6.6 (9.8) |
| 98-537 | 0.350 (8.890) | 6 (8.9) | 0.285 (7.239) | 10 (14.9) | 0.225 (5.715) | 12.8 (19) | 0.160 (4.064) | 15.7 (23.4) | 0.100 (2.540) | 19 (28.3) |
| 98-538 | 0.210 (5.334) | 9 (13.4) | 0.175 (4.445) | 15 (22.3) | 0.135 (3.429) | 23 (34.2) | 0.100 (2.540) | 31.5 (46.9) | 0.060 (1.524) | 53 (78.9) |
| 98-540 | 0.096 (2.438) | 12 (18) | 0.082 (2.083) | 22 (33) | 0.068 (1.727) | 30 (45) | 0.054 (1.372) | 38 (57) | 0.040 (1.016) | 43 (63) |
| 98-541 | 0.106 (2.692) | 9 (13) | 0.092 (2.337) | 17 (25) | 0.078 (1.981) | 25 (37) | 0.064 (1.626) | 35 (51) | 0.050 (1.270) | 44 (65) |
| 98-542 | 0.074 (1.880) | 11 (16) | 0.068 (1.727) | 22 (33) | 0.062 (1.575) | 32 (48) | 0.056 (1.422) | 42 (62) | 0.050 (1.270) | 50 (74) |
| 98-544 | 0.096 (2.438) | 5 (7) | 0.082 (2.083) | 9 (13) | 0.068 (1.727) | 13 (19) | 0.054 (1.372) | 19 (28) | 0.040 (1.016) | 25 (37) |
| 98-545 | 0.350 (8.890) | 6 (8.9) | 0.285 (7.239) | 10 (14.9) | 0.225 (5.715) | 12.8 (19) | 0.160 (4.064) | 15.7 (23.4) | 0.100 (2.540) | 19 (28.3) |
| 98-548 | 0.220 (5.588) | 2.6 (3.9) | 0.190 (4.826) | 3.7 (5.5) | 0.160 (4.064) | 5.0 (7.5) | 0.130 (3.300) | 13.8 (20.7) | 0.100 (2.540) | 19.0 (28.5) |

All dimensions shown are in inches (millimeters) unless otherwise specified.

## ULTRASOFT GASKETS *(continued)*

| PART NO. | LARGEST OPENING | | | | DESIGN HEIGHT | | | | SMALLEST OPENING | |
|---|---|---|---|---|---|---|---|---|---|---|
| | HEIGHT INCHES (MM) | LOAD LB/FT (KG/M) | HEIGHT INCHES (MM) | LOAD LB/FT (KG/M) | HEIGHT INCHES (MM) | LOAD LB/FT (KG/M) | HEIGHT INCHES (MM) | LOAD LB/FT (KG/M) | HEIGHT INCHES (MM) | LOAD LB/FT (KG/M) |
| 98-550 | 0.026 (0.660) | 2.3 (3.4) | 0.022 (0.559) | 6.5 (9.7) | 0.018 (0.457) | 9 (13.4) | 0.014 (0.356) | 12 (17.9) | 0.010 (0.254) | 15.4 (22.9) |
| 98-450 | 0.026 (0.660) | 2.3 (3.45) | 0.022 (0.559) | 6.5 (99.75) | 0.018 (0.457) | 9 (913.5) | 0.014 (0.356) | 12 (18) | 0.010 (0.254) | 15.4 (23.1) |
| 98-551 | 0.026 (0.660) | 3.6 (5.4) | 0.022 (0.559) | 7.8 (11.6) | 0.018 (0.457) | 12.4 (18.5) | 0.014 (0.356) | 15.4 (22.9) | 0.010 (0.254) | 18.1 (26.9) |
| 98-552 | 0.026 (0.660) | 1 (1.5) | 0.022 (0.559) | 2.9 (4.3) | 0.018 (0.457) | 7.4 (11) | 0.014 (0.356) | 15.5 (23.1) | 0.010 (0.254) | 28.2 (42) |
| 98-553 | 0.026 (0.660) | 1 (1.5) | 0.022 (0.559) | 2.9 (4.3) | 0.018 (0.457) | 7.4 (11) | 0.014 (0.356) | 15.5 (23.1) | 0.010 (0.254) | 28.2 (42) |
| 98-555 | 0.063 (1.600) | 4 (6) | 0.056 (1.422) | 7.5 (11.2) | 0.049 (1.245) | 11.5 (17.1) | 0.042 (1.067) | 14 (20.8) | 0.035 (0.889) | 16 (23.8) |
| 98-558 | 0.060 (1.524) | 3.1 (4.6) | 0.050 (1.270) | 5.4 (8) | 0.040 (1.016) | 7.2 (10.7) | 0.030 (0.762) | 8.6 (12.8) | 0.020 (0.508) | 10.9 (16.2) |
| 98-559 | 0.063 (1.600) | 3.9 (5.8) | 0.056 (1.422) | 7.4 (11) | 0.049 (1.245) | 9.8 (14.6) | 0.042 (1.067) | 12.2 (18.2) | 0.035 (0.889) | 13.3 (19.8) |
| 98-560 | 0.063 (1.600) | 6 (8) | 0.056 (1.422) | 12 (18) | 0.049 (1.245) | 18 (27) | 0.042 (1.067) | 24 (35) | 0.035 (0.889) | 27 (41) |
| 98-563 | 0.026 (0.660) | 3.3 (4.9) | 0.022 (0.559) | 6.5 (9.7) | 0.018 (0.457) | 10.6 (15.8) | 0.014 (0.356) | 13.1 (19.5) | 0.010 (0.254) | 16.5 (24.6) |
| 98-564 | 0.026 (0.660) | 3.3 (4.9) | 0.022 (0.559) | 6.5 (9.7) | 0.018 (0.457) | 10.6 (15.8) | 0.014 (0.356) | 13.1 (19.5) | 0.010 (0.254) | 16.5 (24.6) |
| 98-572 98-580 | 0.068 (1.727) | 5 (7.4) | 0.061 (1.549) | 9.6 (14.3) | 0.054 (1.372) | 13 (19.3) | 0.047 (1.194) | 15.3 (22.8) | 0.040 (1.016) | 16.2 (24.1) |
| 98-574 | 0.068 (1.727) | 5 (7.4) | 0.061 (1.549) | 9.6 (14.3) | 0.054 (1.372) | 13 (19.3) | 0.047 (1.194) | 15.3 (22.8) | 0.040 (1.016) | 16.2 (24.1) |
| 98-575 | 0.063 (1.600) | 14.6 (21.9) | 0.056 (1.422) | 22.5 (33.5) | 0.049 (1.244) | 28.7 (42.8) | 0.042 (1.067) | 37.0 (55.5) | 0.035 (0.889) | 50.5 (75.1) |
| 98-576 98-584 | 0.066 (1.676) | 5.7 (8.5) | 0.057 (1.448) | 10 (14.9) | 0.048 (1.219) | 13.6 (20.2) | 0.039 (0.991) | 15.1 (22.5) | 0.030 (0.762) | 15.8 (23.5) |
| 98-578 | 0.066 (1.676) | 5.7 (8.5) | 0.057 (1.448) | 10 (14.9) | 0.048 (1.219) | 13.6 (20.2) | 0.039 (0.991) | 15.1 (22.5) | 0.030 (0.762) | 15.8 (23.5) |
| 98-603 | 0.170 (4.318) | 1.2 (1.8) | 0.145 (3.683) | 2.2 (3.3) | 0.115 (2.921) | 3.6 (5.4) | 0.090 (2.286) | 5 (7.4) | 0.060 (1.524) | 12 (17.9) |
| 98-604 | 0.240 (6.096) | 1.6 (2.4) | 0.200 (5.080) | 3.3 (4.9) | 0.160 (4.064) | 5 (7.4) | 0.120 (3.048) | 7.4 (11) | 0.080 (2.032) | 13.3 (19.8) |
| 98-605 | 0.170 (4.318) | 1.2 (1.8) | 0.145 (3.683) | 2.2 (3.3) | 0.115 (2.921) | 3.6 (5.4) | 0.090 (2.286) | 5 (7.4) | 0.060 (1.524) | 12 (17.9) |
| 98-606 | 0.170 (4.318) | 1 (1.5) | 0.145 (3.683) | 1.8 (2.7) | 0.115 (2.921) | 2.9 (4.3) | 0.090 (2.286) | 4.1 (6.1) | 0.060 (1.524) | 10.3 (15.3) |
| 98-607 | 0.240 (6.096) | 1.6 (2.4) | 0.200 (5.080) | 3.3 (4.9) | 0.160 (4.064) | 5 (7.4) | 0.120 (3.048) | 7.4 (11) | 0.080 (2.032) | 13.3 (19.8) |
| 98-610 | 0.089 (2.261) | 3 (4) | 0.078 (1.981) | 15 (22) | 0.067 (1.702) | 30 (45) | 0.056 (1.422) | 42 (62) | 0.045 (1.143) | 53 (78) |
| 98-611 | 0.090 (2.286) | 2 (3) | 0.080 (2.032) | 5 (7) | 0.070 (1.778) | 7 (10) | 0.060 (1.524) | 23 (34) | 0.050 (1.270) | 50 (74) |
| 98-612 | 0.088 (2.235) | 2 (3) | 0.076 (1.930) | 4 (5) | 0.064 (1.626) | 9 (13) | 0.052 (1.321) | 30 (44) | 0.040 (1.016) | 41 (60) |
| 98-613 | 0.088 (2.235) | 9 (13) | 0.076 (1.930) | 16 (24) | 0.064 (1.626) | 23 (34) | 0.052 (1.321) | 27 (40) | 0.040 (1.016) | 33 (48) |
| 98-614 | 0.089 (2.261) | 3 (4) | 0.078 (1.981) | 15 (22) | 0.067 (1.702) | 30 (45) | 0.056 (1.422) | 42 (62) | 0.045 (1.143) | 53 (78) |

## ULTRASOFT GASKETS *(continued)*

| PART NO. | LARGEST OPENING | | | | DESIGN HEIGHT | | | | SMALLEST OPENING | |
|---|---|---|---|---|---|---|---|---|---|---|
| | HEIGHT INCHES (MM) | LOAD LB/FT (KG/M) | HEIGHT INCHES (MM) | LOAD LB/FT (KG/M) | HEIGHT INCHES (MM) | LOAD LB/FT (KG/M) | HEIGHT INCHES (MM) | LOAD LB/FT (KG/M) | HEIGHT INCHES (MM) | LOAD LB/FT (KG/M) |
| 98-619 | 0.070 (1.778) | 9 (13) | 0.060 (1.524) | 20 (30) | 0.045 (1.143) | 41 (61) | 0.035 (0.889) | 57 (85) | 0.025 (0.635) | 77 (115) |
| 98-620 | 0.070 (1.778) | 9 (13) | 0.060 (1.524) | 20 (30) | 0.045 (1.143) | 41 (61) | 0.035 (0.889) | 57 (85) | 0.025 (0.635) | 77 (115) |
| 98-621 | 0.104 (2.642) | 2 (3) | 0.088 (2.235) | 4 (6) | 0.072 (1.829) | 15 (22) | 0.056 (1.422) | 29 (43) | 0.040 (1.016) | 42 (62) |
| 98-622 | 0.110 (2.794) | 0.8 (1.2) | 0.095 (2.413) | 2.6 (3.9) | 0.085 (2.159) | 3.8 (5.7) | 0.070 (1.778) | 16 (23.8) | 0.060 (1.524) | 27 (40.2) |
| 98-625 | 0.165 (4.191) | 2.4 (3.6) | 0.140 (3.556) | 4.6 (6.8) | 0.110 (2.794) | 7.6 (11.3) | 0.085 (2.159) | 11.5 (17.1) | 0.060 (1.524) | 15.1 (22.5) |
| 98-628 | 0.180 (4.572) | 0.4 (0.6) | 0.155 (3.937) | 1 (1.5) | 0.125 (3.175) | 1.8 (2.7) | 0.100 (2.540) | 2.6 (3.9) | 0.070 (1.778) | 5.8 (8.6) |
| 98-629 | 0.180 (4.572) | 0.4 (0.6) | 0.155 (3.937) | 1 (1.5) | 0.125 (3.175) | 1.8 (2.7) | 0.100 (2.540) | 2.6 (3.9) | 0.070 (1.778) | 5.8 (8.6) |
| 98-630 | 0.180 (4.572) | 0.4 (0.6) | 0.155 (3.937) | 1 (1.5) | 0.125 (3.175) | 1.8 (2.7) | 0.100 (2.540) | 2.6 (3.9) | 0.070 (1.778) | 5.8 (8.6) |
| 98-631 | 0.185 (4.699) | 0.6 (0.9) | 0.160 (4.064) | 1.2 (1.8) | 0.130 (3.302) | 2.1 (3.1) | 0.105 (2.667) | 2.8 (4.2) | 0.080 (2.032) | 6.4 (9.5) |
| 98-632 | 0.185 (4.699) | 0.5 (0.7) | 0.160 (4.064) | 1 (1.5) | 0.130 (3.302) | 1.6 (2.4) | 0.105 (2.667) | 2.2 (3.3) | 0.080 (2.032) | 7 (10.4) |
| 98-633 98-634 | 0.185 (4.699) | 0.6 (0.9) | 0.160 (4.064) | 1.2 (1.8) | 0.130 (3.302) | 2.1 (3.1) | 0.105 (2.667) | 2.8 (4.2) | 0.080 (2.032) | 6.4 (9.5) |
| 98-637 | 0.095 (2.413) | 6.6 (9.8) | 0.086 (2.184) | 9.5 (14.2) | 0.078 (1.981) | 11.1 (16.6) | 0.069 (1.753) | 13.6 (20.3) | 0.060 (1.524) | 16.2 (24.2) |
| 98-640 | 0.210 (5.334) | 2.5 (3.7) | 0.175 (4.445) | 5.1 (7.6) | 0.135 (3.429) | 7.4 (11) | 0.100 (2.540) | 9.5 (14.1) | 0.060 (1.524) | 12.9 (19.2) |
| 98-645 | 0.026 (0.660) | 0.3 (0.4) | 0.022 (0.559) | 1.1 (1.6) | 0.018 (0.457) | 3.2 (4.8) | 0.014 (0.356) | 6 (8) | 0.010 (0.254) | 9.8 (14.6) |
| 98-650 | 0.350 (8.890) | 2 (3) | 0.300 (7.620) | 3.4 (5.1) | 0.260 (6.604) | 4.1 (6.1) | 0.210 (5.334) | 5.1 (7.6) | 0.160 (4.064) | 7.2 (10.7) |
| 98-655 | 0.075 (1.905) | 1.5 (2.2) | 0.060 (1.524) | 5 (7.4) | 0.050 (1.270) | 7.5 (11.2) | 0.035 (0.889) | 10 (14.9) | 0.020 (0.508) | 12 (17.9) |
| 98-656 | 0.200 (5.080) | 0.7 (1) | 0.170 (4.318) | 1.3 (1.9) | 0.140 (3.556) | 1.6 (2.4) | 0.110 (2.794) | 2.1 (3.1) | 0.080 (2.032) | 3.1 (4.6) |
| 98-912 | 0.220 (5.588) | 2.1 (3.1) | 0.185 (4.699) | 3.6 (5.4) | 0.150 (3.810) | 5.1 (7.6) | 0.114 (2.896) | 6.7 (10) | 0.079 (2.007) | 8.4 (12.5) |
| 98-951 | 0.190 (4.826) | 6 (8) | 0.165 (4.191) | 10 (14) | 0.135 (3.429) | 15 (22) | 0.110 (2.794) | 24 (36) | 0.080 (2.032) | 51 (75) |
| 98-952 | 0.190 (4.826) | 5 (7) | 0.165 (4.191) | 7 (10) | 0.135 (3.429) | 10 (14) | 0.110 (2.794) | 14 (21) | 0.080 (2.032) | 26 (39) |
| 98-954 | 0.126 (3.200) | 5 (7) | 0.112 (2.845) | 10 (15) | 0.098 (2.489) | 15 (22) | 0.084 (2.133) | 22 (32) | 0.070 (1.778) | 35 (52) |
| 98-955 | 0.126 (3.200) | 5 (7) | 0.112 (2.845) | 10 (14) | 0.098 (2.489) | 15 (22) | 0.084 (2.133) | 21 (31) | 0.070 (1.778) | 32 (48) |
| 98-957 | 0.100 (2.540) | 9 (13) | 0.090 (2.286) | 18 (27) | 0.080 (2.032) | 24 (36) | 0.070 (1.778) | 33 (49) | 0.060 (1.524) | 53 (79) |
| 98-958 | 0.101 (2.565) | 3.1 (4.6) | 0.092 (2.337) | 6.8 (10.1) | 0.083 (2.108) | 10.4 (15.5) | 0.074 (1.880) | 15.9 (23.7) | 0.065 (1.651) | 24.2 (36) |
| 98-975 | 0.255 (6.477) | 0.5 (0.7) | 0.210 (5.334) | 0.8 (1.1) | 0.160 (4.064) | 1.1 (1.6) | 0.115 (2.921) | 1.3 (1.9) | 0.070 (1.778) | 1.7 (2.5) |
| 98-976 | 0.145 (3.683) | 0.3 (0.4) | 0.115 (2.921) | 0.6 (0.9) | 0.080 (2.032) | 1 (1.5) | 0.050 (1.270) | 1.3 (1.9) | 0.020 (0.508) | 2.8 (4.2) |

All dimensions shown are in inches (millimeters) unless otherwise specified.

# SHIELDING EFFECTIVENESS CHARTS

## STRIP METAL GASKETS

The graphs and tables of radiated and transfer impedance measurements in this section compare beryllium copper (-02) with either tin plating (-08) or bright tin plating (-17), in various gasket configurations.

Obtaining the same level of shielding effectiveness shown in the following tested gaskets to MIL-DTL-83528, Para. 4.6.12 or SAE ARP 1705 may not be accomplished without an equivalent test flange/fixture configuration. Many mechanical factors (size, tolerances, cover plate fastening/holding, flange stiffness, etc.) influence performance by enhancing or lowering shielding effectiveness.

The data presented provides a valuable electrical design tool for gasket material comparison/selection. Radiated shielding effectiveness values can be approximately 38 dB higher than transfer impedance shielding effectiveness values. This is because the measurement is influenced by the characteristic impedance of the transmission line fixture with respect to the localized ground reference. The specified MIL-DTL-83528 radiated fixture aperature is 24.000 in. x 24.000 in. (609.600 mm x 609.600 mm), This aperature size results in attenuation, along with reflections and resonances, which creates a test anomaly at 200 MHz, thus limiting the measurable shielding effectiveness. The specimen configuration as specified in MIL-DTL-83528 is a 1.000 in. (25.400 mm) wide flat strip; in contrast, the data presented in this section is based on a wide range of specimen configurations for practical shielding design applications.

Note: For all gaskets, shielding effectiveness measurements were taken at recommended compression.

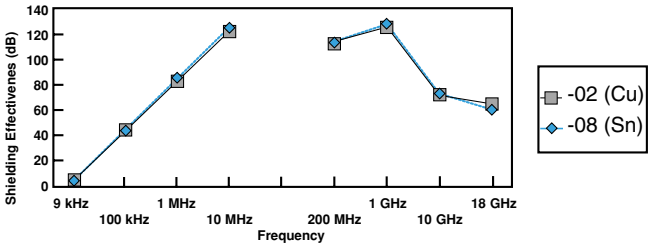
## ALL-PURPOSE GASKET PART NO. 0097-0500-XX

### TABLE 1. MIL-DTL-83528* RADIATED SHIELDING EFFECTIVENESS (dB)

| | FREQUENCY | -02 (CU) | -08 (SN) |
|---|---|---|---|
| MAGNETIC | 9 kHz | 5 | 5 |
| | 100 kHz | 44 | 45 |
| | **1 MHz | 83 | 85 |
| | **10 MHz | 121 | 125 |
| PLANE WAVE | 200 MHz | 113 | 114 |
| | 1 GHz | 125 | 127 |
| | 10 GHz | 72 | 73 |
| | 18 GHz | 65 | 61 |

* Fixture design (clamping vs. bolt configuration)
** Projected H-Field data

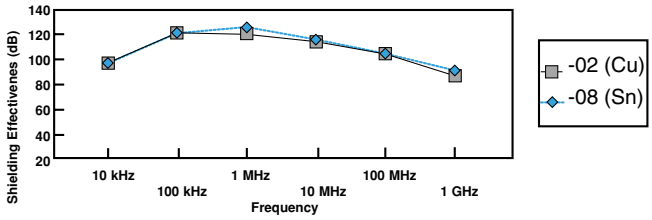
### RADIATED
### PART NO. 0097-0500-XX




### TABLE 2. SAE ARP 1705 TRANSFER IMPEDANCE SHIELDING EFFECTIVENESS (dB)

| FREQUENCY | -02 (CU) | -08 (SN) |
|---|---|---|
| 10 kHz | 97 | 97 |
| 100 kHz | 122 | 122 |
| 1 MHz | 121 | 126 |
| 10 MHz | 115 | 116 |
| 100 MHz | 105 | 105 |
| 1 GHz | 87 | 90 |

### TRANSFER IMPEDANCE
### PART NO. 0097-0500-XX




All dimensions shown are in inches (millimeters) unless otherwise specified.

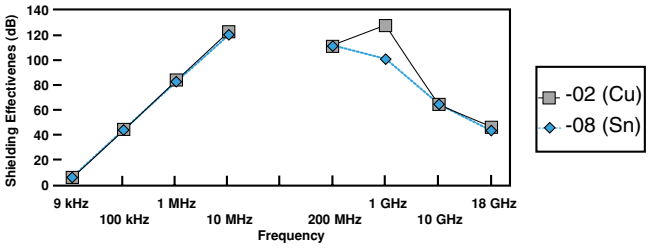
## NO SNAG GASKET PART NO. 0077-0014-XX

### TABLE 1. MIL-DTL-83528* RADIATED SHIELDING EFFECTIVENESS (dB)

| | FREQUENCY | -02 (CU) | -08 (SN) |
|---|---|---|---|
| MAGNETIC | 9 kHz | 7 | 7 |
| | 100 kHz | 46 | 45 |
| | **1 MHz | 85 | 83 |
| | **10 MHz | 123 | 121 |
| PLANE WAVE | 200 MHz | 114 | 114 |
| | 1 GHz | 128 | 101 |
| | 10 GHz | 65 | 65 |
| | 18 GHz | 47 | 44 |

* Fixture design (clamping vs. bolt configuration)
** Projected H-Field data

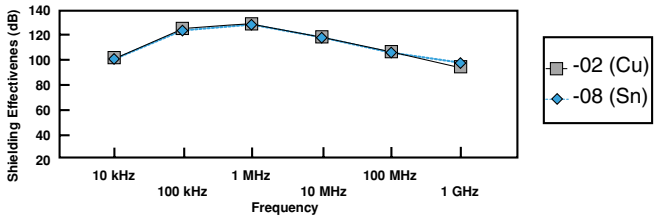
### RADIATED
### PART NO. 0077-0014-XX




### TABLE 2. SAE ARP 1705 TRANSFER IMPEDANCE SHIELDING EFFECTIVENESS (dB)

| FREQUENCY | -02 (CU) | -08 (SN) |
|---|---|---|
| 10 kHz | 102 | 101 |
| 100 kHz | 126 | 125 |
| 1 MHz | 130 | 129 |
| 10 MHz | 119 | 118 |
| 100 MHz | 107 | 106 |
| 1 GHz | 94 | 97 |

### TRANSFER IMPEDANCE
### PART NO. 0077-0014-XX



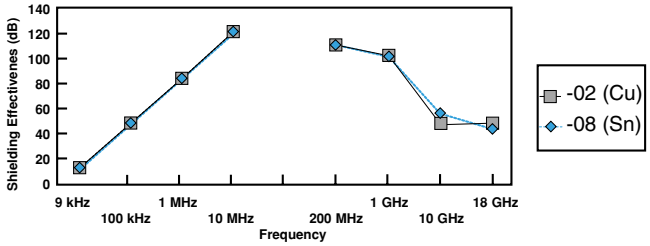

## TWIST SERIES PART NO. 0097-0555-XX

### TABLE 1. MIL-DTL-83528* RADIATED SHIELDING EFFECTIVENESS (dB)

| | FREQUENCY | -02 (CU) | -08 (SN) |
|---|---|---|---|
| MAGNETIC | 9 kHz | 13 | 13 |
| | 100 kHz | 49 | 49 |
| | **1 MHz | 85 | 85 |
| | **10 MHz | 121 | 121 |
| PLANE WAVE | 200 MHz | 115 | 114 |
| | 1 GHz | 102 | 101 |
| | 10 GHz | 48 | 56 |
| | 18 GHz | 48 | 44 |

* Fixture design (clamping vs. bolt configuration)
** Projected H-Field data

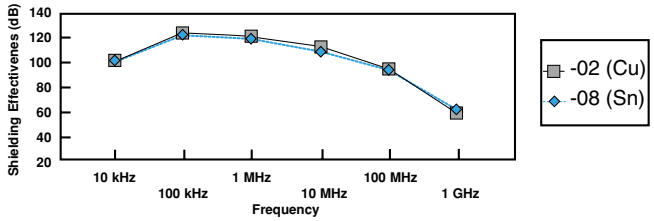
### RADIATED
### PART NO. 0097-0555-XX




### TABLE 2. SAE ARP 1705 TRANSFER IMPEDANCE SHIELDING EFFECTIVENESS (dB)

| FREQUENCY | -02 (CU) | -08 (SN) |
|---|---|---|
| 10 kHz | 102 | 102 |
| 100 kHz | 124 | 123 |
| 1 MHz | 121 | 120 |
| 10 MHz | 113 | 110 |
| 100 MHz | 96 | 95 |
| 1 GHz | 59 | 61 |

### TRANSFER IMPEDANCE
### PART NO. 0097-0555-XX



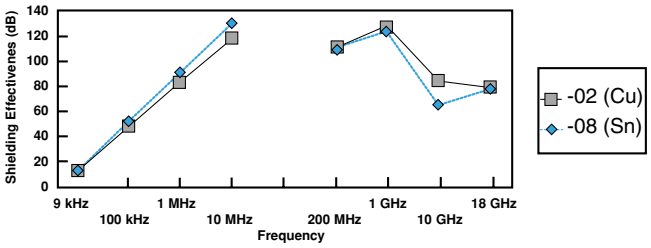
## TWIST SERIES PART NO. 0097-0560-XX

### TABLE 1. MIL-DTL-83528* RADIATED SHIELDING EFFECTIVENESS (dB)

| | FREQUENCY | -02 (CU) | -08 (SN) |
|---|---|---|---|
| MAGNETIC | 9 kHz | 13 | 13 |
| | 100 kHz | 48 | 52 |
| | **1 MHz | 83 | 91 |
| | **10 MHz | 118 | 130 |
| PLANE WAVE | 200 MHz | 115 | 113 |
| | 1 GHz | 127 | 124 |
| | 10 GHz | 85 | 66 |
| | 18 GHz | 80 | 79 |

* Fixture design (clamping vs. bolt configuration)
** Projected H-Field data

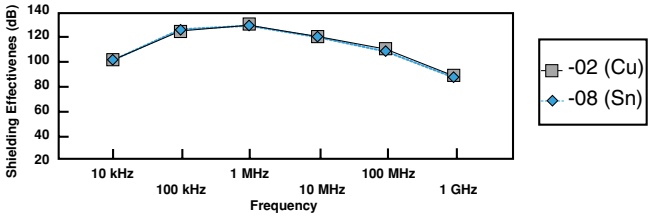
### RADIATED
### PART NO. 0097-0560-XX




### TABLE 2. SAE ARP 1705 TRANSFER IMPEDANCE SHIELDING EFFECTIVENESS (dB)

| FREQUENCY | -02 (CU) | -08 (SN) |
|---|---|---|
| 10 kHz | 101 | 102 |
| 100 kHz | 124 | 125 |
| 1 MHz | 130 | 129 |
| 10 MHz | 120 | 119 |
| 100 MHz | 110 | 108 |
| 1 GHz | 88 | 87 |

### TRANSFER IMPEDANCE
### PART NO. 0097-0560-XX



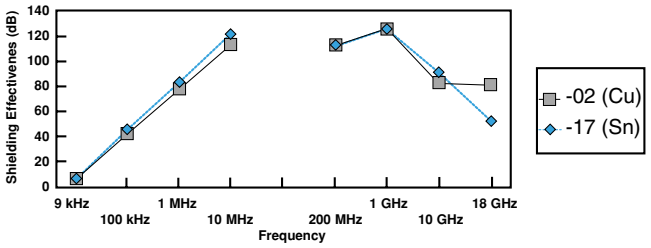

## FOLDOVER SERIES PART NO. 0097-0515-XX

### TABLE 1. MIL-DTL-83528* RADIATED SHIELDING EFFECTIVENESS (dB)

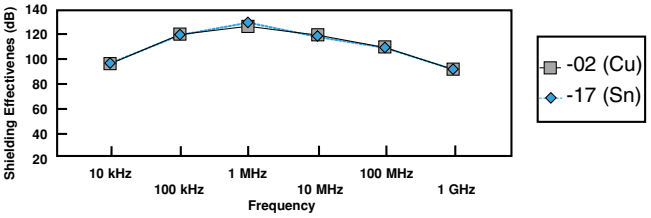
| | FREQUENCY | -02 (CU) | -08 (SN) |
|---|---|---|---|
| MAGNETIC | 9 kHz | 7 | 7 |
| | 100 kHz | 43 | 46 |
| | **1 MHz | 79 | 84 |
| | **10 MHz | 114 | 122 |
| PLANE WAVE | 200 MHz | 115 | 116 |
| | 1 GHz | 126 | 126 |
| | 10 GHz | 84 | 92 |
| | 18 GHz | 82 | 53 |

* Fixture design (clamping vs. bolt configuration)
** Projected H-Field data

### RADIATED
### PART NO. 0097-0515-XX




### TABLE 2. SAE ARP 1705 TRANSFER IMPEDANCE SHIELDING EFFECTIVENESS (dB)

| FREQUENCY | -02 (CU) | -08 (SN) |
|---|---|---|
| 10 kHz | 97 | 98 |
| 100 kHz | 122 | 121 |
| 1 MHz | 128 | 131 |
| 10 MHz | 121 | 120 |
| 100 MHz | 111 | 110 |
| 1 GHz | 93 | 93 |

### TRANSFER IMPEDANCE
### PART NO. 0097-0515-XX