



# Band-Master ATS<sup>®</sup>

The Advanced Termination System for  
Interconnect Cable Shielding



High-volume pneumatic tool  
for bench use



Easy-to-use manual tools  
with built-in calibration counter



3 lengths and 3 widths of  
EMI braid termination bands



# Band-Master ATS®

## Recommended Bands: Overview and Performance

| Criteria                                        | Slim Standard                                                    | Micro Slim                                   | Nano                                          | Micro-Max                                    |
|-------------------------------------------------|------------------------------------------------------------------|----------------------------------------------|-----------------------------------------------|----------------------------------------------|
| Material                                        | 304 SS                                                           | 304 SS                                       | 304 SS                                        | 304 SS                                       |
| Part Numbers (flat)                             | 601-570 (9")<br>601-572 (14")                                    | 601-600 (8")<br>601-602 (14")                | 601-500 (6")<br>601-504 (9")<br>601-508 (14") | 601-700 (8")<br>601-702 (14")                |
| Part Numbers (precoiled)                        | 601-571 (9")<br>601-573 (14")                                    | 601-601 (8")<br>601-603 (14")                | 601-501 (6")<br>601-505 (9")<br>601-509 (14") | 601-701 (8")<br>601-703 (14")                |
| Lengths (inch)                                  | 9" and 14"                                                       | 8" and 14"                                   | 6", 9" and 14"                                | 8" and 14"                                   |
| Fits Diameters (inch)                           | .30" to 1.8"                                                     | .15" to 1.9"                                 | .08" to 1.8"                                  | .15" to 1.8"                                 |
| Width (inch)                                    | .24"                                                             | .12"                                         | .075"                                         | .12"                                         |
| Thickness (inch)                                | .01"                                                             | .01"                                         | .01"                                          | .015"                                        |
| Weight before installation (grams)              | 14" is 4.46 g                                                    | 8" is 1.16 g                                 | 9" is .84 g                                   | 8" is 1.80 g                                 |
| Tooling Information                             |                                                                  |                                              |                                               |                                              |
| Hand Tool Part Number                           | 601-109                                                          | 601-122                                      | 601-108                                       | 601-129                                      |
| Pneumatic Tool Part Number                      | 601-110                                                          | 601-123                                      | 601-118                                       | 601-130                                      |
| Recommended Tool Setting                        | 100 ± 3 lbs.                                                     | 82 ± 3 lbs.                                  | 50 ± 3 lbs.                                   | 132 ± 3 lbs                                  |
| Performance Data                                |                                                                  |                                              |                                               |                                              |
| Termination Resistance (mΩ)                     | 0.083                                                            | 0.085                                        | 0.155                                         | 0.080                                        |
| Termination Construction                        | Ni/Al backshell Size 25,<br>Tin Copper Braid                     | Ni/Al backshell Size 15,<br>Tin Copper Braid | Ni/Al backshell Size 16,<br>Tin Copper Braid  | Ni/Al backshell Size 15,<br>Tin Copper Braid |
| Avg. Single Junction Resistance (mΩ)            | 0.532                                                            | 0.235                                        | 0.613                                         | .170                                         |
| Cable Pull Out (pounds)                         | 150 lbs.                                                         | 80 lbs.                                      | 50 lbs.                                       | 160 lbs                                      |
| Clamping Tension (pounds)                       | 50 to 100 lbs.                                                   | 80 to 86 lbs.                                | 20 to 50 lbs.                                 | 100 to 180 lbs.                              |
| Associated Test Report (Available Upon Request) | Test Report GT-14-75                                             | Test Report GT-20-258                        | Test Report GT-14-74                          | Test Report GT-22-188                        |
| Mil-Spec (85049)                                | No                                                               | No                                           | No                                            | No                                           |
| Random Vibration                                | 46 grms at +175°C 8 hrs each axis, EIA-364-28E cond. V, letter K |                                              |                                               |                                              |
| Thermal Shock                                   | -65°C to +200°C 5 cycles                                         |                                              |                                               |                                              |
| Temperature Life                                | 1,000 hrs at +200°C                                              |                                              |                                               |                                              |

A GLENAIR SIGNATURE



CRITICAL COMPONENT

# Band-Master ATS®

Light Weight • High-Tension •  
Low-Resistance Shield Termination  
Bands and Tools

## Industry Advisory RE: Shield Termination Bands and Tools

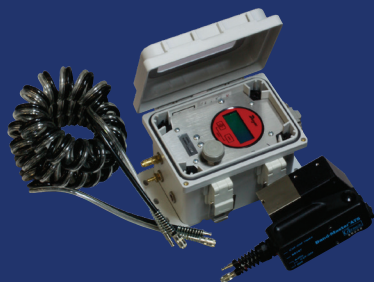
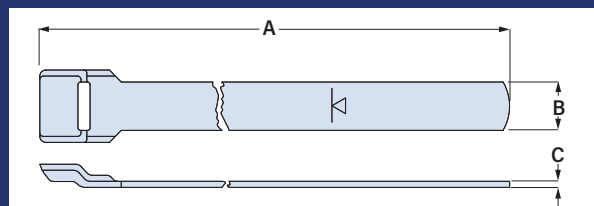
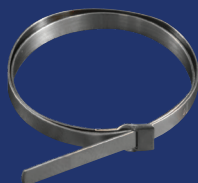
Precision bands and tools are exactly dimensioned and calibrated for repeatable, reliable performance. But like many such equipment pairings, the products **ONLY** deliver 100% compatibility when used in tandem. The proliferation of counterfeit band straps, sold with Glenair part numbers but manufactured offshore, is a troubling industry development. Tie-Dex® II banding tools supplied by Glenair will not function properly with any other make of band than those supplied by Glenair. Likewise, Glenair Band-Master ATS® bands are not engineered to work in any tool other than the hand-operated and bench-mount series manufactured by Band-IT® IDEX. To that end, this industry advisory is intended as formal notification that the improper mixing of non-compatible band straps and tooling will void any warranty offered by Glenair, and in our experience, will absolutely lead to tool damage and sub-standard shield terminations. Should you have any question about this notification, please do not hesitate to contact Glenair at [bandittools@glenair.com](mailto:bandittools@glenair.com).

## Band-Master ATS® System Overview



Band-Master ATS® EMI shield termination system instruction manuals and calibration details: [www.glenair.com/bandmaster](http://www.glenair.com/bandmaster)

For rapid and reliable termination of cable braid shielding to connectors and adapters. Made in America from 304 series passivated stainless steel. Easy installation with hand tool or high-production bench-mounted pneumatic tool. Recommended bands supplied in four width configurations: *Nano* (.075" width, smallest overall size); *Slim Standard* (.24" width, lightest standard band weight); *Micro Slim* (.12" width, lightest micro band weight); and *Micro-Max* (.12" width, 60% higher tensile strength). All Glenair Band-Master bands available pre-coiled.



High Volume Pneumatic Tool

### Recommended Pneumatic Banding Tool Part Numbers

|               |                                                   |         |
|---------------|---------------------------------------------------|---------|
| Micro-Max     | Micro-Max pneumatic banding tool with counter     | 601-130 |
| Micro Slim    | Micro Slim pneumatic banding tool with counter    | 601-123 |
| Nano          | Nano pneumatic banding tool with counter          | 601-118 |
| Slim Standard | Slim Standard pneumatic banding tool with counter | 601-110 |



MADE IN AMERICA

# Band-Master ATS® Shield Termination Bands and Tools



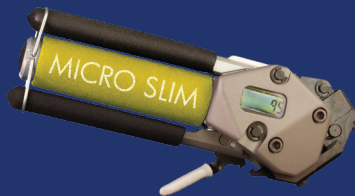
Industry-leading · guaranteed quality · reliable performance

## RECOMMENDED HIGHEST-PERFORMANCE SIZES AND STYLES



### Micro-Max: 601-129 Band-Master ATS® Micro-Max with Counter for use with high-tension, low-resistivity Micro-Max Bands

Designed for use with high-tension Micro-Max .120" width clamping bands. Micro-Max is designed for shield termination requirements to a higher tension range from 100-180 lbs. resulting in lower-resistivity shield termination. Calibrate at  $132 \pm 3$  lbs. for most shield terminations.



### Micro Slim: 601-122 Band-Master ATS® Micro Slim with Counter for use with lightweight, reduced-thickness Micro Slim Bands

Micro Slim bands are narrower width and are better at conforming to irregular platform shapes (elliptical platforms) and individual braid buildup (pig tails). Designed for Micro Slim .120" width clamping bands in a tension range from 60 to 90 lbs. Calibrate at  $82 \pm 3$  lbs. for most terminations.



### Nano: 601-108 Band-Master ATS® Nano with Counter. The industry's narrowest width, smallest size, and lightest weight shield termination band system

Nano bands are the industry's narrowest width, smallest size, and lightest weight shield termination bands. Designed for use with Nano .075" width clamping bands in a tension range from 25 to 90 lbs. Calibrate at  $50 \text{ lbs.} \pm 3 \text{ lbs.}$  for most shield terminations.



### Slim Standard: 601-109 Band-Master ATS® Slim Standard with Counter for use with lightweight, reduced-thickness Slim Standard Bands

Slim Standard bands are 50% lighter and 50% lower-profile than standard bands and maintain similar performance. Slim Standard bands are better at conforming to irregular platform shapes (elliptical platforms) and individual braid buildup (pig tails). Tension range is 30 – 80 lbs. Calibrate at  $100 \text{ lbs.} \pm 3 \text{ lbs.}$  of linear pull.



Glenair Band-Master ATS® system tools and bands have been made in America in partnership with Band-IT® IDEX for over four decades and are the trusted, reliable solution for aerospace-grade cable shield termination.

## Recommended Band Part Numbers

| Size          | A            |     | Fits up to Dia. |      | B           |     | C               |     | Part Number<br>Pre-coiled | Hand Tool<br>Part Number |
|---------------|--------------|-----|-----------------|------|-------------|-----|-----------------|-----|---------------------------|--------------------------|
|               | Length<br>in | mm  | in              | mm   | Width<br>in | mm  | Thickness<br>in | mm  |                           |                          |
| Micro-Max     | 8            | 203 | .88             | 22.4 | .12         | 3.0 | .015            | 0.4 | 601-701                   | 601-129                  |
|               | 14           | 356 | 1.88            | 47.7 | .12         | 3.0 | .015            | 0.4 | 601-703                   |                          |
| Micro Slim    | 8            | 203 | .88             | 22.4 | .12         | 3.0 | .01             | 0.3 | 601-601                   | 601-122                  |
|               | 14           | 356 | 1.88            | 47.7 | .12         | 3.0 | .01             | 0.3 | 601-603                   |                          |
| Nano          | 6            | 152 | .60             | 15.2 | .075        | 1.9 | .009            | 0.9 | 601-501                   | 601-108                  |
|               | 9            | 229 | .94             | 23.9 | .075        | 1.9 | .009            | 0.9 | 601-505                   |                          |
|               | 14           | 356 | 1.80            | 45.7 | .075        | 1.9 | .009            | 0.9 | 601-509                   |                          |
| Slim Standard | 9            | 228 | .94             | 23.9 | .24         | 6.1 | .01             | 0.3 | 601-571                   | 601-109                  |
|               | 14           | 355 | 1.80            | 45.7 | .24         | 6.1 | .01             | 0.3 | 601-573                   |                          |