

Glenair®

Band-Master ATS®

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

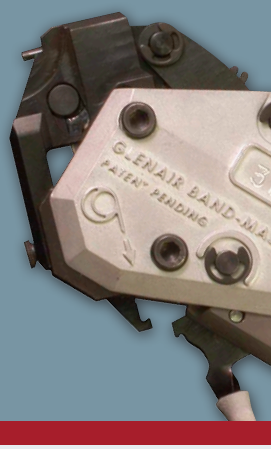


3 lengths and 3 widths of
EMI braid termination bands

SEPTEMBER 2020

Band-Master ATS®

Manual Tools and Bands



Standard Banding Tool



Color-coded tool handle:

= Standard; Black

The 601-100 Band-Master ATS® Standard Tool with Counter for Standard Bands

Weighs approximately 1.30 lbs., and is designed for .240" width clamping bands in a tension range from 100 to 180 lbs. Calibrate at 150 lbs. ± 5 lbs. for most shield terminations. Tool and band should never be lubricated.

The 600-058 QPL Qualified (M81306/1A) Standard Banding Tool without Counter

Weighs 1.22 and is designed for .240" width clamping bands in a tension range from 100 to 180 lbs. Calibrate at 150 lbs. ± 5 lbs. for most shield terminations. Tool and band should never be lubricated (not shown).

	Band-Master ATS® Standard Band Selection					
	Length		Part Number		Fits Diameter	
Bands	In.	mm.	Flat	Pre-Coiled	In.	mm.
Short Standard	9.0	228.6	601-005	601-006	1.0	25.4
Medium Standard	14.25	361.95	601-040	601-041	1.8	45.7
Long Standard	18.0	457.2	601-049	601-050	2.5	63.5

Cable Pull Strength for Band-Master™ ATS Standard Bands							
Name	Material Type	Band Width		Band Thickness		Calibration Setting	Cable Pull Strength
		In	mm	In	mm		
Standard	300 SS	0.240	6.10	.020	.51	150 ±5 lbs	per AS85049/128

	QPL Qualifiied Standard Band Selection					
	Length		Mil Spec Part Number		Fits Diameter	
Bands	in.	mm.	Flat	Pre-Coiled	in.	mm.
Standard Band	14.25	361.95	M85049/128-3	M85049/128-4	1.8	45.7

Cable Pull Strength for Standard QPL Qualified Bands							
Name	Material Type	Band Width		Band Thickness		Calibration Setting	Cable Pull Strength
		In	mm	In	mm		
Standard	300 SS	0.240	6.10	.020	.51	150 ±5 lbs	per AS85049/128

	Knife and Blade and Replacement / Upgrade Kit
Tool	Replacement Part Number(s)
601-100 Band-Master Standard	601-330 Knife and Blade Kit
600-058 QPL Qualified Tool	Contact Factory

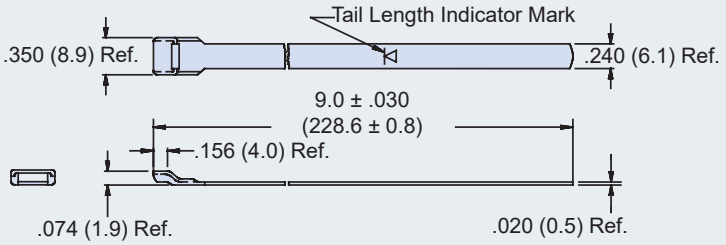
© 2020 Glenair, Inc • 1211 Air Way, Glendale, CA 91201 • 818-247-6000 • www.glenair.com • U.S. CAGE code 06324



Standard Bands

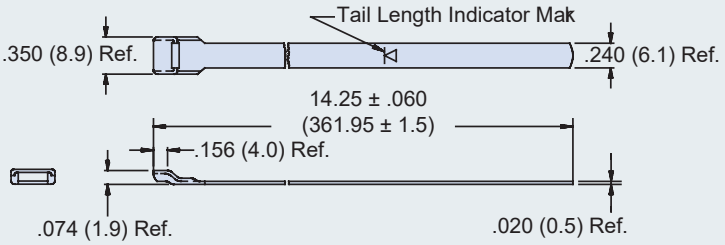
Short Flat 601-005
Short Precoiled 601-006

Standard Bands are precision constructed of 300 Series SST passivate IAW AMS 2700 . Short Standard Bands are 9.00 inches (228.6) in length and designed for use with the Band-Master ATS® 60-100 manual banding tool or the 601-106 pneumatic banding tool. Bands should always be double wrapped and will accommodate diameters up to approximately 1.0 inches (25.4).



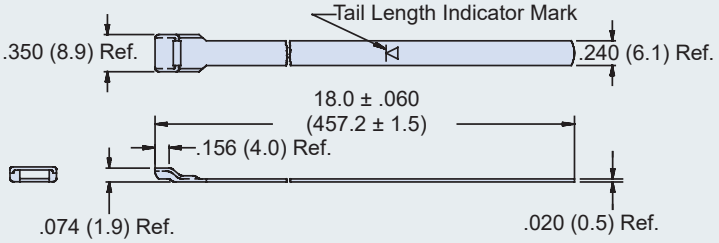
Medium Flat 601-040
Medium Precoiled 601-041

Standard bands are precision constructed of 300 Series SST passivate IAW AMS 2700. Medium Standard Bands are 14.25 inches (361.95) in length and designed for use with the Band-Master ATS® 601-100 manual banding tool or the 601-106 pneumatic banding tool. Bands should always be double wrapped and will accommodate diameters up to approximately 1.8 inches (45.7).



Long Flat 601-049
Long Precoiled 601-050

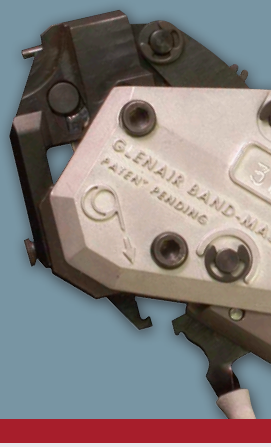
Standard bands are precision constructed of 300 Series SST passivate IAW AMS 2700. Long Standard Bands are 18.0 inches (457.2) in length and designed for use with the Band-Master ATS® 601-100 manual banding tool or the 601-106 pneumatic banding tool. Bands should always be double wrapped and will accommodate diameters up to approximately 2.5 inches (63.5).



© 2020 Glenair, Inc • 1211 Air Way, Glendale, CA 91201 • 818-247-6000 • www.glenair.com • U.S. CAGE code 06324

Band-Master ATS®

Manual Tools and Bands



Slim Standard Banding Tool



Color-coded tool handle

= Slim Standard; Orange

***Choose Glenair Slim Standard Bands* for size and weight savings. Slim bands are 50% lighter with 50% lower profile than our standard bands, while maintaining similar performance.**

The 601-109 Band-Master ATS® Slim Standard Tool with Counter for Slim Standard Bands

For use with slim standard flat and pre-coiled quarter inch wide clamping bands. Tension range is approximately 30 to 80 lbs. Calibrate at 100 lbs. ± 3 lbs of linear pull. Tool weighs 1.2 Lb. Tool and band should never be lubricated.

	Band-Master ATS® Slim Standard Band Selection					
	Length		Part Number		Fits Diameter	
Bands	in.	mm.	Flat	Pre-Coiled	in.	mm.
Short Slim Standard	9.0	228.6	601-570	601-571	.94	23.9
Medium Slim Standard	14.25	361.95	601-572	601-573	1.8	45.7

Cable Pull Strength for Band-Master ATS® Slim Standard Bands							
Name	Material Type	Band Width		Band Thickness		Tool Setting	Cable Pull Strength
		In	mm	In	mm		
Slim Standard	300 Series SST	0.240	6.09	.010	.25	100 lbs. ± 3 lbs.	150 lbs.*

* Slim Bands are work hardened to achieve higher cable pull force

	Knife and Blade and Replacement / Upgrade Kit
Tool	Replacement Part Number(s)
601-109 Band-Master Slim Standard	601-331 Knife and Blade Kit

© 2020 Glenair, Inc • 1211 Air Way, Glendale, CA 91201 • 818-247-6000 • www.glenair.com • U.S. CAGE code 06324

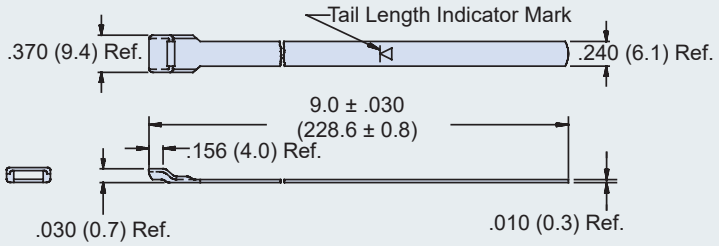


Slim Standard Bands

Slim bands are better at conforming to irregular platform shapes (elliptical platforms) and individual braid buildup (pig tails)

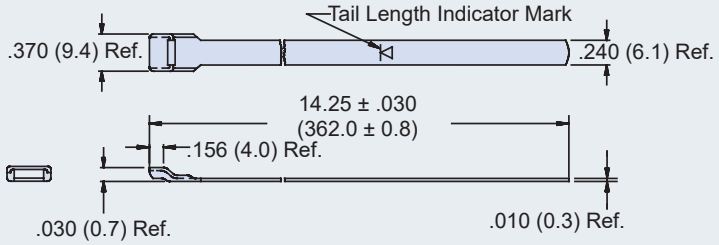
Short Flat 601-570
Short Precoiled 601-571

Slim Standard Bands are 50% lighter and 50% lower-profile than Standard Bands. They are precision constructed of work hardened, 300 Series SST passivate IAW AMS 2700. Short Slim Bands are 9.00 inches (228.6) in length and designed for use with the 601-109 Band-Master ATS® hand banding tool or the 601-110 pneumatic tool. Bands should always be double wrapped and will accommodate diameters up to approximately .94 inches (23.9).



Medium Flat 601-572
Medium Precoiled 601-573

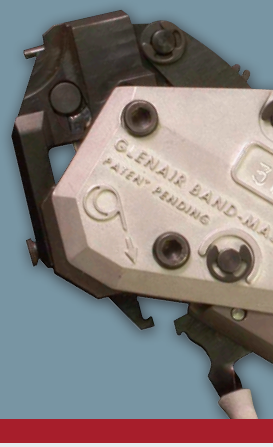
Slim Standard Bands are 50% lighter and 50% lower-profile than Standard Bands. They are precision constructed of work hardened, 300 Series SST passivate IAW AMS 2700. Medium Slim Bands are 14.25 inches (228.6) in length and designed for use with the 601-109 Band-Master ATS® hand banding tool or the 601-110 pneumatic tool. Bands should always be double wrapped and will accommodate diameters up to approximately 1.8 inches (45.7)



© 2020 Glenair, Inc • 1211 Air Way, Glendale, CA 91201 • 818-247-6000 • www.glenair.com • U.S. CAGE code 06324

Band-Master® ATS

Manual Tools and Bands



Micro Banding Tool



Color-coded tool handle:

= Micro; Blue

The 601-101 Band-Master ATS® Micro Tool with Counter for Micro Bands

Weighs approximately 1.20 lbs., and is designed for Micro .120" width clamping bands in a tension range from 50 to 85 lbs. Calibrate at 80 lbs ±5 lbs. for most shield terminations. Tool and band should never be lubricated.

The 600-061 QPL Qualified (M81306/1B) Micro Banding Tool without Counter

Weighs 1.11 and is designed for Micro .120" width clamping bands in a tension range from 60 to 85 lbs. Calibrate at 80 lbs ±5 lbs. Tool and band should never be lubricated.

	Band-Master ATS® Micro Band Selection					
	Length		Part Number		Fits Diameter	
Bands	in.	mm.	Flat	Pre-Coiled	in.	mm.
Short Micro	5.0	127.0	601-024	601-025	0.5	12.7
Medium Micro	8.125	206.38	601-060	601-061	.88	22.4
Long Micro	14.25	361.95	601-064	601-065	1.8	45.7

Cable Pull Strength for Band-Master ATS® Micro Bands							
Name	Material Type	Band Width		Band Thickness		Calibration Setting	Cable Pull Strength
		In	mm	In	mm		
Micro	300 SS	0.120	3.05	.015	.38	80 ±5 lbs	per AS85049/128

	QPL Qualified Micro Band Selection					
	Length		Part Number		Fits Diameter	
Bands	in.	mm.	Flat	Pre-Coiled	in.	mm.
Standard Micro	8.125	206.38	M85049/128-7	M85049/128-8	.88	22.4

Cable Pull Strength for Micro QPL Qualified Bands							
Name	Material Type	Band Width		Band Thickness		Calibration Setting	Cable Pull Strength
		In	mm	In	mm		
Micro	300 SS	0.120	3.05	.015	.38	80 ±5 lbs	per AS85049/128

	Knife and Blade and Replacement / Upgrade Kit
Tool	Replacement Part Number(s)
601-101 Band-Master Micro	601-329 Knife and Blade Kit
600-061 QPL Qualified	Contact Factory

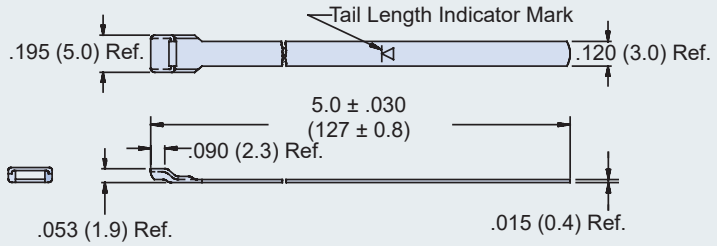
© 2020 Glenair, Inc • 1211 Air Way, Glendale, CA 91201 • 818-247-6000 • www.glenair.com • U.S. CAGE code 06324



Micro Bands

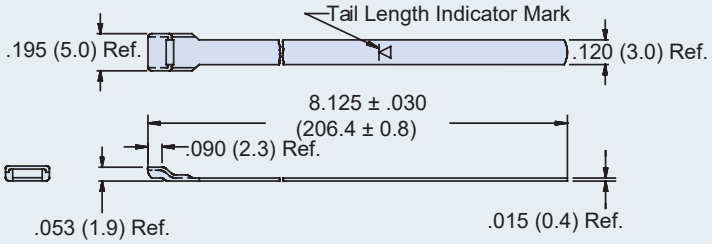
Short Flat 601-024
Short Precoiled 601-025

Micro Bands are precision constructed of 300 Series SST passivate IAW AMS 2700. Short Micro Bands are 5.00 inches (127) in length and designed for use with the Band-Master™ 601-101 hand banding tool or the 601-107 pneumatic banding tool. Bands should always be double wrapped and will accommodate diameters up to approximately .5 inches (12.7).



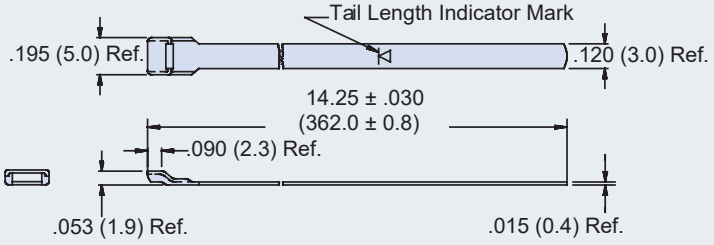
Medium Flat 601-060
Medium Precoiled 601-061

Micro Bands are precision constructed of 300 Series SST passivate IAW AMS 2700. Medium Micro Bands are 8.00 inches (203.2) in length and designed for use with the Band-Master™ 601-101 hand banding tool or the 601-107 pneumatic banding tool. Bands should always be double wrapped and will accommodate diameters up to approximately .88 inches (22.4).



Long Flat 601-064
Long Precoiled 601-065

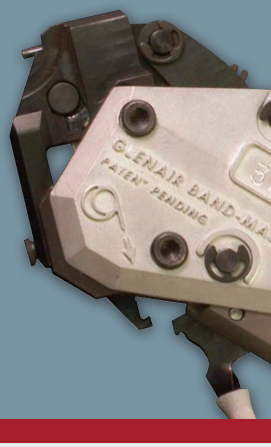
Micro Bands are precision constructed of 300 Series SST passivate IAW AMS 2700. Long Micro Bands are 14.00 inches (355.6) in length and designed for use with the Band-Master™ 601-101 hand banding tool or the 601-107 pneumatic banding tool. Bands should always be double wrapped and will accommodate diameters up to approximately 1.88 inches (47.8).



© 2020 Glenair, Inc • 1211 Air Way, Glendale, CA 91201 • 818-247-6000 • www.glenair.com • U.S. CAGE code 06324

Band-Master ATS®

Manual Tools and Bands



Micro Slim Banding Tool



The 601-122 Band-Master ATS® Micro Slim Tool with Counter for use with Micro Slim Bands

Weighs approximately 1.20 lbs., and is designed for Micro Slim .120 (3.05) width clamping bands in a tension range from 60 to 90 lbs. Double wrapped bands will accommodate up to .88 (22.35) inch diameter. Calibrate at 82 lbs ±3 lbs. for most shield terminations. Tool and band should never be lubricated.

Color-coded tool handle:

= Micro Slim; Yellow

	Band-Master ATS® Micro Slim Band Selection					
	Length		Part Number		Fits Diameter	
Bands	in.	mm.	Flat	Pre-Coiled	in.	mm.
Medium Micro Slim	8.125	206.38	601-600	601-601	.88	22.4
Long Micro Slim	14.25	361.95	601-602	601-603	1.80	45.7

Cable Pull Strength for Band-Master ATS® Micro Slim Bands							
Name	Material Type	Band Width		Band Thickness		Calibration Setting	Cable Pull Strength
		In	mm	In	mm		
Micro Slim	300 SST Work Hardened/Passivate	0.12w	3.05	.010	0.25	82 ±3 lbs	80 lvbs

	Knife and Blade and Replacement / Upgrade Kit
Tool	Replacement Part Number(s)
601-122 Band-Master Micro Slim	601-328 Knife and Blade Kit

© 2020 Glenair, Inc • 1211 Air Way, Glendale, CA 91201 • 818-247-6000 • www.glenair.com • U.S. CAGE code 06324

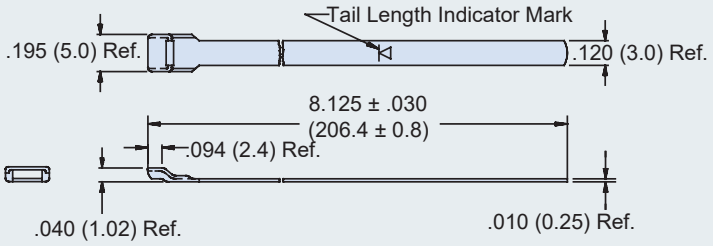


Micro Slim Bands

Slim bands are better at conforming to irregular platform shapes (elliptical platforms) and individual braid buildup (pig tails)

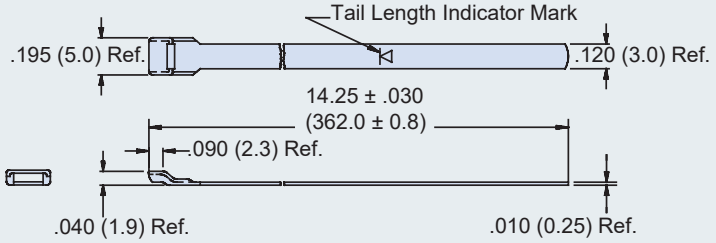
Medium Flat 601-600
Medium Precoiled 601-601

Micro Slim bands are precision constructed of 300 Series SST passivate IAW AMS 2700. Medium Micro Slim bands are 8.00 inches (203.2) in length and designed for use with the Band-Master™ 601-122 hand banding tool or the 601-123 pneumatic banding tool. Bands should always be double wrapped and will accommodate diameters up to approximately .88 inches (22.4).



Long Flat 601-602
Long Precoiled 601-603

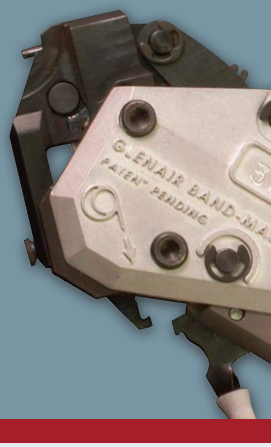
Micro Slim bands are precision constructed of 300 Series SST passivate IAW AMS 2700. Long Micro Slim Bands are 14.00 inches (355.6) in length and designed for use with the Band-Master™ 601-122 hand banding tool or the 601-123 pneumatic banding tool. Bands should always be double wrapped and will accommodate diameters up to approximately 1.88 inches (45.7).



© 2020 Glenair, Inc • 1211 Air Way, Glendale, CA 91201 • 818-247-6000 • www.glenair.com • U.S. CAGE code 06324

Band-Master ATS®

Manual Tools and Bands



Nano Banding Tool



Color-coded tool handle:

= Nano; Green

The 601-108 Band-Master ATS® Nano Tool with Counter for use with Nano Bands

Weighs 1.15 lbs., and is designed for us with Nano flat .075" width clamping bands in a tension range from 25 to 90 lbs. Calibrate at 50 lbs. ± 3 lbs. for most shield terminations. Tool and band should never be lubricated.

	Band-Master ATS® Nano Band Selection					
	Length		Part Number		Fits Diameter	
Bands	in.	mm.	Flat	Pre-Coiled	in.	mm.
Short Nano	6.0	152.4	601-500	601-501	.60	15.2
Medium Nano	9.0	228.6	601-504	601-505	.94	23.9
Long Nano	14.0	355.6	601-508	601-509	1.8	45.7

Cable Pull Strength for Band-Master ATS® Nano Bands							
Name	Material Type	Band Width		Band Thickness		Calibrated Setting	Cable Pull Strength
		In.	mm.	In.	mm.		
Nano	300 SS	0.075	1.91	.009	.23	50 ±3 lbs	50 lbs*

* Nano Bands are work hardened to achieve higher cable pull force

	Knife and Blade and Replacement / Upgrade Kit
Tool	Replacement Part Number(s)
601-108 Band-Master Micro Slim	601-332 Knife and Blade Kit

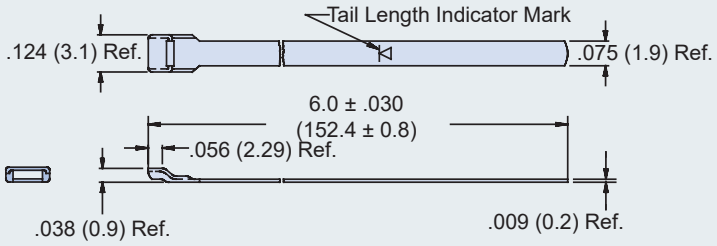
© 2020 Glenair, Inc • 1211 Air Way, Glendale, CA 91201 • 818-247-6000 • www.glenair.com • U.S. CAGE code 06324



Nano Bands

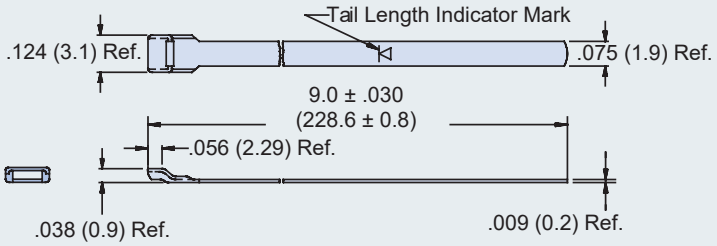
Short Flat 601-500
Short Precoiled 601-501

Nano Bands are precision constructed of work hardened, 300 Series SST passivate IAW AMS 2700. Short Nano Bands are 6.00 inches (152.4) in length and designed for use with the 601-108 Band-Master ATS® hand banding tool or the 601-118 pneumatic banding tool. Bands should always be double wrapped and will accommodate diameters up to approximately .60 inches (15.2).



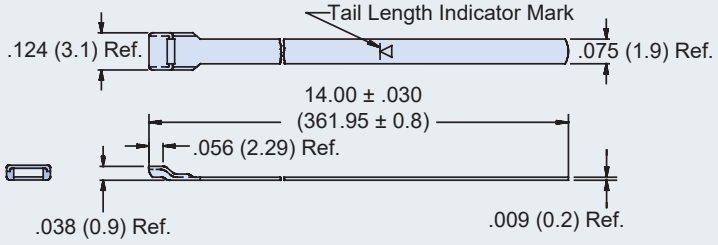
Medium Flat 601-504
Medium Precoiled 601-505

Nano Bands are precision constructed of work hardened, 300 Series SST passivate IAW AMS 2700. Medium Nano Bands are 9.00 inches (228.6) in length and designed for use with the 601-108 Band-Master ATS® hand banding tool or the 601-118 pneumatic banding tool. Bands should always be double wrapped and will accommodate diameters up to approximately .94 inches (23.9).



Long Flat 601-508
Long Precoiled 601-509

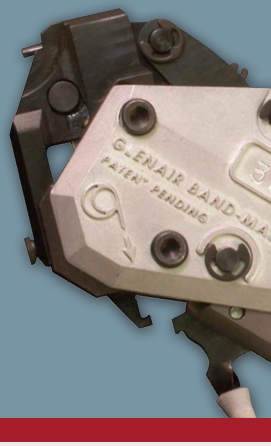
Nano Bands are precision constructed of work hardened, 300 Series SST passivate IAW AMS 2700. Long Nano Bands are 14.00 inches (361.95) in length and designed for use with the 601-108 Band-Master ATS® hand banding tool or the 601-118 pneumatic banding tool. Bands should always be double wrapped and will accommodate diameters up to approximately 1.8 inches (45.7).



© 2020 Glenair, Inc • 1211 Air Way, Glendale, CA 91201 • 818-247-6000 • www.glenair.com • U.S. CAGE code 06324

Band-Master ATS®

Manual Tools and Bands



Micro-Max Banding Tool



Color-coded tool handle:

= Micro-Max; Purple

The 601-129 Band-Master ATS® Micro-Max with Counter for use with Micro-Max Bands

Weighs approximately 1.20 lbs, and is designed for Micro-Max .120" width clamping bands in a tension range from 100-180 lbs. Calibrate at 132 ± 3 lbs. for most shield terminations. Tool and Band should never be lubricated."

	Band-Master ATS® Micro-Max Band Selection					
	Length		Part Number		Fits Diameter	
Bands	in.	mm.	Flat	Pre-Coiled	in.	mm.
Flat Micro-Max	8.125	206.38	601-700	601-701	.88	22.4
Flat Micro-Max	14.25	361.95	601-702	601-703	1.8	45.72

Cable Pull Strength for Band-Master ATS® Micro-Max Bands							
Name	Material Type	Band Width		Band Thickness		Calibrated Setting	Cable Pull Strength
		In.	mm.	In.	mm.		
Micro-Max	304 SS 1/2 Hard	.12	3.05	.015	0.38	132 ± 3 lbs	160 lbs

	Knife and Blade and Replacement / Upgrade Kit
Tool	Replacement Part Number(s)
601-129 Micro-Max Hand Banding	601-329 Knife and Blade Replacement

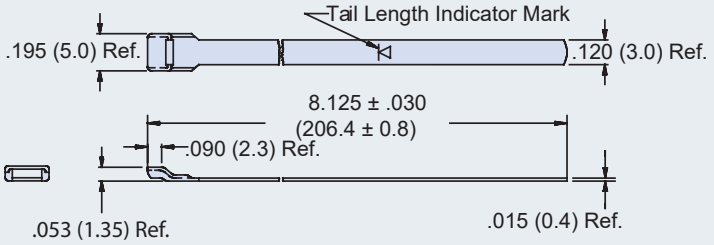
© 2020 Glenair, Inc • 1211 Air Way, Glendale, CA 91201 • 818-247-6000 • www.glenair.com • U.S. CAGE code 06324
Dimensions in Inch (mm)



Micro-Max Bands

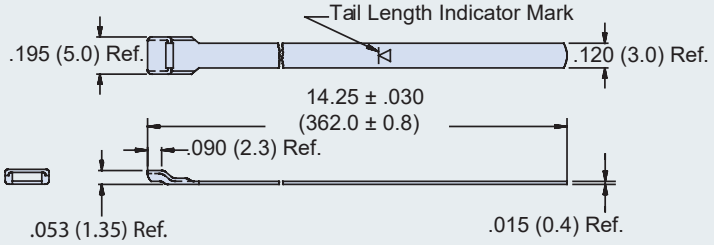
Flat 601-700
Precoiled 601-701

Micro-Max bands are precision constructed of 300 Series SST passivate IAW AMS 2700. Medium Micro Slim bands are 8.00 inches (203.2) in length and designed for use with the Band-Master ATS® 601-129 hand banding tool. Bands should always be double wrapped and will accommodate diameters up to approximately .88 inches (22.4).



Long Flat 601-702
Long Precoiled 601-703

Micro-Max bands are precision constructed of 300 Series SST passivate IAW AMS 2700. Long Micro-Max bands are 14.00 inches (355.60) in length and designed for use with the Band-Master ATS® 601-129 hand banding tool. Bands should always be double wrapped and will accommodate diameters up to approximately 1.88 inches (47.8).



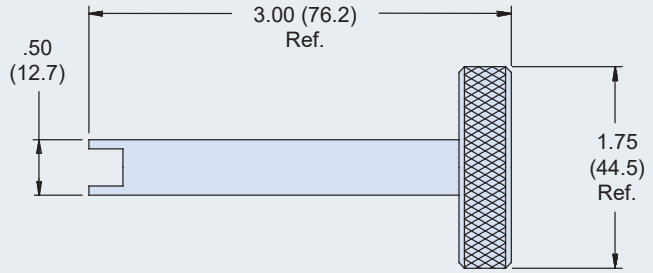
© 2020 Glenair, Inc • 1211 Air Way, Glendale, CA 91201 • 818-247-6000 • www.glenair.com • U.S. CAGE code 06324

Band-Master® ATS

Calibration Tools and Kits



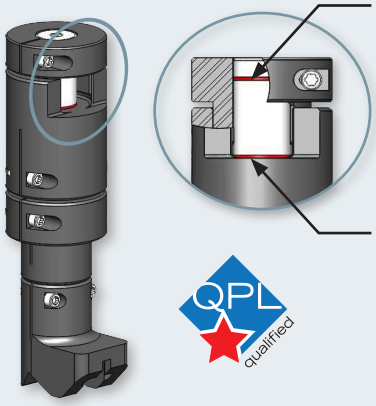
Calibration Keys and Tension Gauges



601-205 Calibration Key

The 601-205 Calibration Key is designed for use with 600-058, 600-061, 601-211 and 601-212 manual banding tools. Material is black anodized aluminum alloy. One full turn clockwise will advance the tension range approximately 1.0 - 2.5 lbs, a counter-clockwise turn will decrease tension by the same amount.

Verification inspection window



Above tolerance limit stripe (not visible when gauge is in the fixed position)

Below tolerance limit stripe (in view when gauge is in the fixed position)

Note: the band tool is within tolerance if no part of the stripes (above or below) appear in the verification inspection indicator window

601-211 and 601-212 Tension Gauge

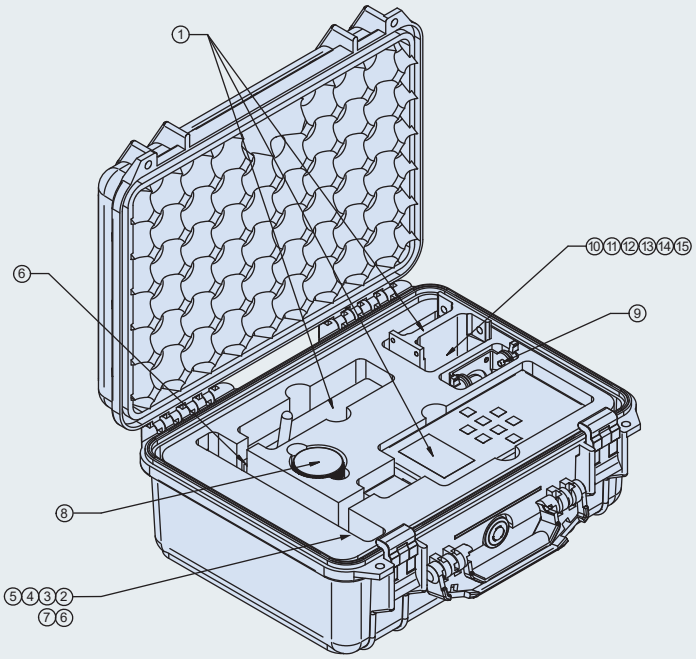
The 601-211 (M81306/1C) and 601-212 (M81306/1D) Tension Gauge is used to check and calibrate the manual tool to values noted on calibration sticker. Constructed of hardened steel.

Part No.	SAE Part No. (Ref)	A +.015 (0.38) -.005 (0.13)	Used with Manual Tool P/N
601-211	M81306/1C	.460 (11.68)	Standard 601-100 • 600-058 (M81306/1-01 Kit)
601-212	M81306/1D	.360 (9.14)	Micro 601-101• 600-061 (M81306/1-02 Kit)
601-205	M81306/1E	N/A	Both

© 2020 Glenair, Inc • 1211 Air Way, Glendale, CA 91201 • 818-247-6000 • www.glenair.com • U.S. CAGE code 06324



Calibration Kits





601-200 Calibration Kit For All Banding Tools

The 601-200 Calibration Kit includes:

1. 601-200-3 calibration device
2. Fifty 601-203 Micro test bands
3. Fifty 601-202 Standard test bands
4. Fifty 601-217 Nano test bands
5. Fifty 601-224 Slim Standard test bands
6. Fifty 601-227 Micro Slim test bands
7. Fifty 601-230 Micro-Max test bands
8. 601-205 calibration adjustment key
9. Adjustable mounting bracket for meter
10. 601-218 tool adapter for 600-058
11. 601-219 tool adapter for 600-067
12. 601-220 tool adapter for 600-061, 600-068
13. 601-223 tool adapter for 601-109, 601-110, 601-100, 601-106
14. 601-225 tool adapter for 601-101, 601-107, 601-122, 601-123, 601-129, 601-130
15. 601-226 Tool adapter for 601-108 and 601-118

Range of the calibration device is 0 to 500 lbs, and accuracy is calibrated to ±1 lbs. at factory. Digital readout in .1 lb. increments. Meter supplied with RS-232 serial communication port. Serial/USB adapter cable included.

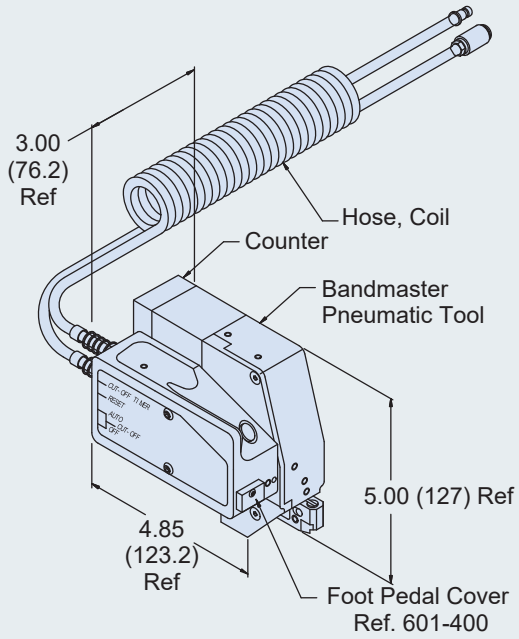
Data tracking software sold separately. Consult factory.

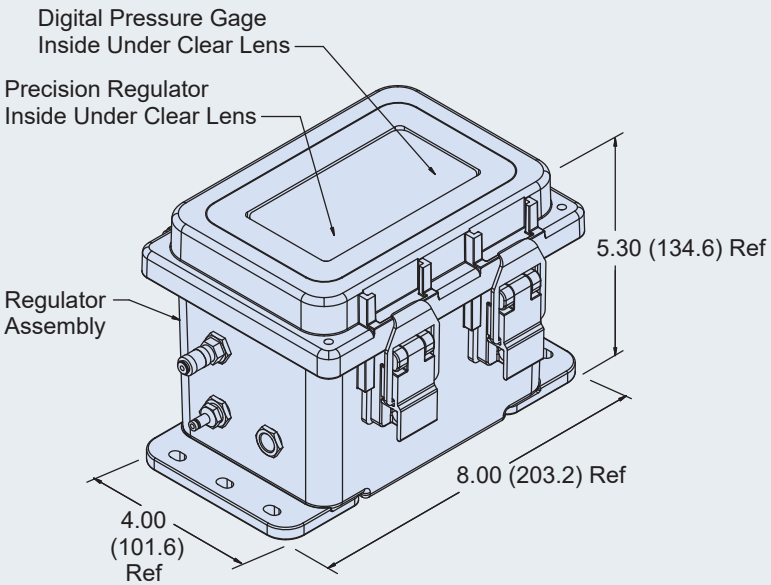
© 2025 Glenair, Inc • 1211 Air Way, Glendale, CA 91201 • 818-247-6000 • www.glenair.com • U.S. CAGE code 06324

Band-Master® ATS

Pneumatic Banding Tools

Pneumatic Banding Tools







Pneumatic Banding Tool Replacement Blade and Knife	
Pneumatic Tool	Knife and Blade Kit P/N
601-106 Standard Pneumatic	601-330
601-110 Slim Standard Pneumatic	601-331
601-107 Micro Pneumatic	601-329
601-123 Micro Slim Pneumatic	601-328
601-130 Micro-Max Pneumatic	601-329
601-118 Nano Pneumatic	601-332

See tool descriptions on following page

 © 2020 Glenair, Inc • 1211 Air Way, Glendale, CA 91201 • 818-247-6000 • www.glenair.com • U.S. CAGE code 06324 Dimensions in Inch (mm)



Pneumatic Banding Tools

High-Volume Pneumatic Bench-Mount Units and Calibration Kits Available for Standard, Micro, Nano and Slim Band Termination Systems

601-106 Standard Pneumatic Banding Tool with Counter

The 601-106 Standard Pneumatic Banding Tool accommodates 601-005, 601-006, 601-040, 601-041, 601-049, 601-050, 601-052 and 601-054 standard quarter inch bands in a tension range of from 100-180 lbs. Calibrate at 150 ± 5 lbs for most shield terminations. Weight of the tool is 2.52 lbs (1.14 Kg); the control box weighs 3.51 lbs (1.59 Kg). Includes 601-400 foot pedal.

601-123 Micro Slim Pneumatic Banding Tool with Counter

The 601-123 Micro Slim Pneumatic Banding Tool accommodates 601-600, 601-601, 601-602, 601-603 Micro Slim bands. Approximate tension range of 60-90 lbs. Calibrate at 82 ± 3 lbs for most shield terminations. Tool Weight is 2.52 lbs (1.14 Kg); the control box weighs 3.51 lbs (1.59 Kg). Includes 601-400 foot pedal.

601-110 Slim Standard Pneumatic Banding Tool with Counter

The 601-110 Slim Standard Pneumatic Banding Tool accommodates 601-024, 601-025, 600-057 and 600-059 quarter inch Slim Standard bands. Approximate tension range of 30-80 lbs. Calibrate at 100 ± 3 lbs of linear pull. Weight of the tool is 2.52 lbs (1.14 Kg); the control box weighs 3.51 lbs (1.59 Kg). Includes 601-400 foot pedal.

601-130 Micro-Max Pneumatic Banding Tool with Counter

The 601-130 Micro-Max Pneumatic Banding Tool accommodates 601-700, 601-701, 601-702, and 601-703 Micro-Max bands. Approximate tension range of 100-180 lbs. Calibrate at 132 ± 3 lbs for most shield terminations. Tool Weight is 2.52 lbs (1.14 Kg); the control box weighs 3.51 lbs (1.59 Kg). Includes 601-400 foot pedal.

601-107 Micro Pneumatic Banding Tool with Counter

The 601-107 Micro Pneumatic Banding Tool accommodates 601-024, 601-025, 601-060, 601-061, 601-064, 601-065, 600-057, and 600-059 eighth inch Micro Bands in a tension range of from 60 to 90 lbs. Calibrate at 80 ± 5 lbs for most shield terminations. Weight of the tool is 2.52 lbs (1.14 Kg); the control box weighs 3.51 lbs (1.59 Kg). Includes 601-400 foot pedal.

601-118 Nano Pneumatic Banding Tool with Counter

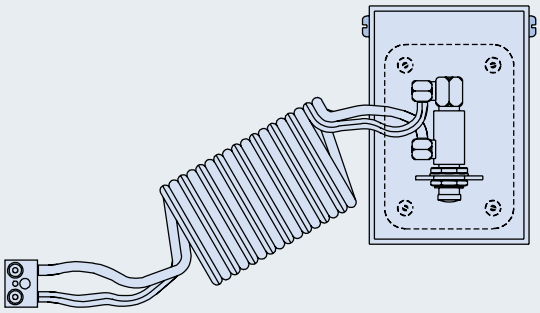
The 601-118 Nano Pneumatic Banding Tool accommodates 601-570, 601-571, 601-572, and 601-573 Nano bands. Approximate tension range of 25-90 lbs. Calibrate at 50 ± 3 lbs of linear pull. Weight of the tool is 2.52 lbs (1.14 Kg); the control box weighs 3.51 lbs (1.59 Kg). Includes 601-400 foot pedal.

© 2020 Glenair, Inc • 1211 Air Way, Glendale, CA 91201 • 818-247-6000 • www.glenair.com • U.S. CAGE code 06324

Band-Master® ATS

Manual and Pneumatic Tool Accessories

Accessories



601-400 Foot Pedal Control for 601-106, 601-107, 601-110 and 601-118 Pneumatic Banding Tools

The 601-400 Foot Pedal Control frees both hands to help assure more accurate, reliable and faster shield terminations.



601-401 Pneumatic Tool Balancer

The 601-401 Tool Balancer for use with pneumatic banding tools 601-104, 601-105, 601-106, 601-107. Load capacity, 1.5 (0.5 kg) to 3.0 Lbs (1.4 kg). Cable length, 6 ft (1.8 m). Reel weight, 1.3 Lbs (0.6 Kg). Pneumatic tool head weight, 2.52 Lbs (1.14 Kg)



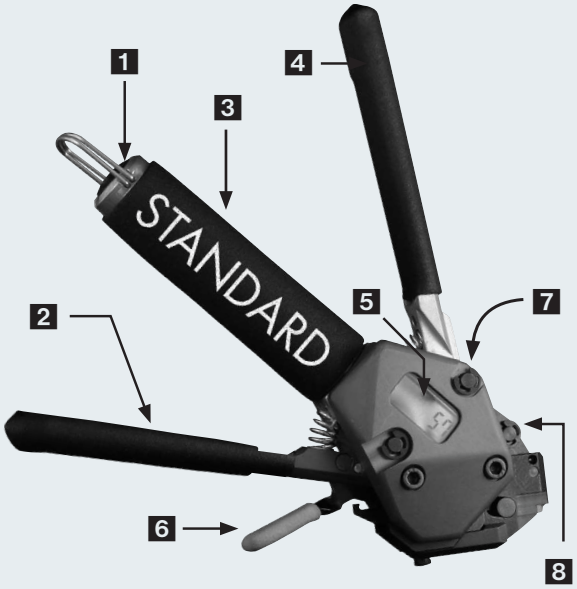
600-164 Utility Shears

The 600-164 Large Broad Utility Shear for cutting amberstrand® and braided metal shielding also cuts rubber, cable jacketing, cable, plastics and rope. Weight: 0.55 Pounds, Shear Cut Length: 2.000.

Recommended AmberStrand® Cutting Procedure
Note: When cutting braid, both metal and especiallly composite, open cutter blades to allow the full 2" cut. Place braid all the way back onto blades as shown.

© 2020 Glenair, Inc • 1211 Air Way, Glendale, CA 91201 • 818-247-6000 • www.glenair.com • U.S. CAGE code 06324

Band-Master ATS®
Shield Termination Assembly Process



1 Calibration Access Plug

2 Tensioning Lever:
Squeeze with short gentle strokes to tighten band to the proper tension. Lever will lock to **3 Handle** with final full stroke.

4 Cut-Off Lever:
Squeeze to lock band buckle and trim excess band material.

5 Cycle Counter

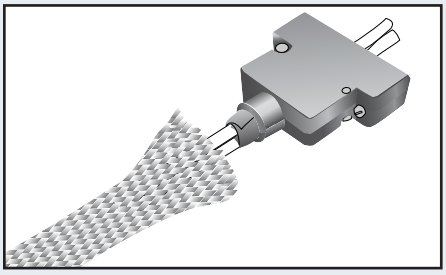
6 Band Insertion and Release Lever:
Depress lever to insert or release band from tool.

7 Serial Number

8 Tension Release Lever

NOTES:
1. *Use only genuine Band-Master ATS® bands. Other manufacturer's bands may damage tool.*
2. *Use only .240" wide bands with 601-100 tool and .120" wide bands with 601-101 tool.*

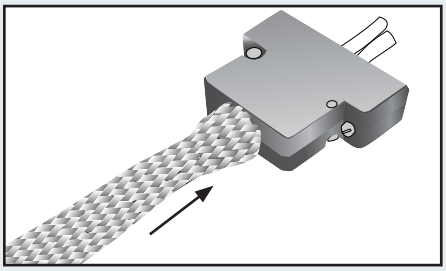
Video Training Series At:
http://www.glenair.com/bandmaster/index.htm



Step 1

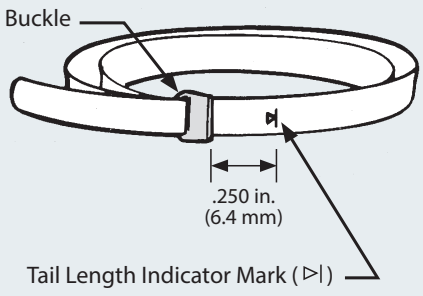
Prepare Cable Braid for termination process

NOTE: *Complete banding on an unfixtured cable assembly. Terminating a band to a clamped or fixtured cable will affect the applied forces and interfere with the cut-off operation. The cut-off operation causes a rotation of the band termination in order to lock the band.*



Step 2

Push braid forward over banding platform. Milk braid as required to remove slack and ensure a snug fit around the shield termination area.



Step 3

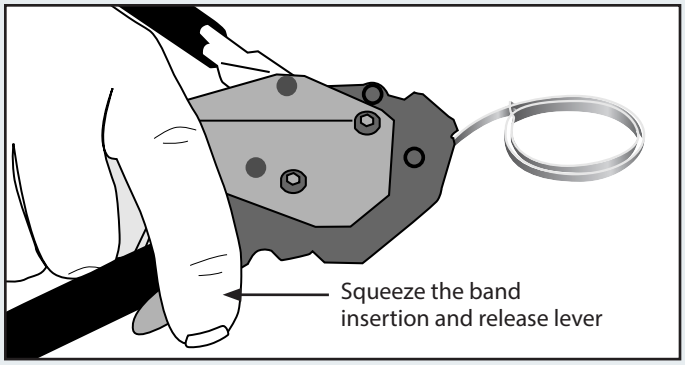
Double-wrap the band prior to use:

NOTE: *Due to connector/adapter circumference, it may be necessary to double-coil the band in place around the cable or termination area.*

A. Loop/insert the leading edge of band through the buckle slot twice. (Bands *must* be double-wrapped.)

B. Tighten the coil until the indicator mark (⊳|) is approximately .250 inches (6.4) shy of the buckle slot (see illustration at left). This will ensure sufficient band tail length for insertion into tool.

© 2020 Glenair, Inc • 1211 Air Way, Glendale, CA 91201 • 818-247-6000 • www.glenair.com • U.S. CAGE code 06324

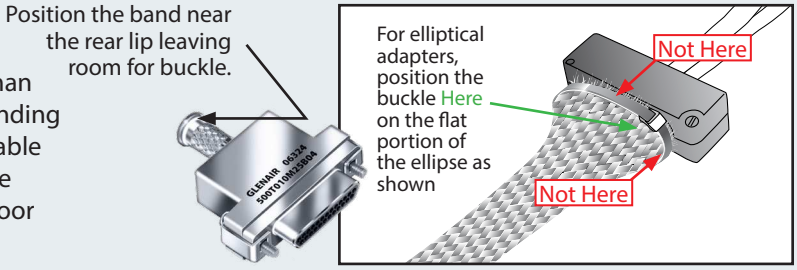


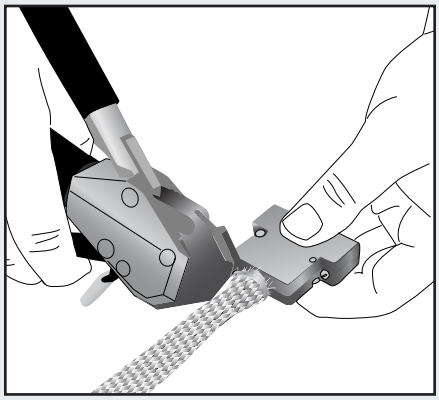
Step 4

Depress the band insertion and release lever (6), and insert the working end of the band into the front end opening of the tool, with the loop positioned outward as shown.

Step 5

The band termination area on all backshells is wider than the band. Position the band near the rear lip of the banding platform, allowing room for the buckle. For elliptical cable entries position the buckle off center of the peak of the circle. Failure to follow these guidelines will result in poor performance.





Step 6

Contract the band with the tensioning lever (2) using short, even strokes. As the band contracts firmly on the termination area, pull a full stroke to lock the lever against the main tool handle which will indicate the band is compressed to the proper tension.

NOTE: *Overly rapid tightening of the band may result in uneven compression. If alignment of the band and shield is unsatisfactory, tension can be relaxed by pulling up on the tensioning lever (2) and then pushing the tension release lever (8) forward. Make adjustments as necessary and finish tightening with tensioning lever (2) as described above.*

Step 7

Complete the clamping process by depressing the cut-off lever (4), allowing band and cable to rotate slightly. Pull up the release lever (6) to remove excess band for disposal.

NOTE: *Always band on an unfixtured connector/cable assembly.*

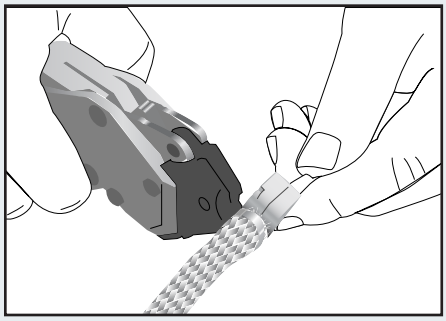
Step 8

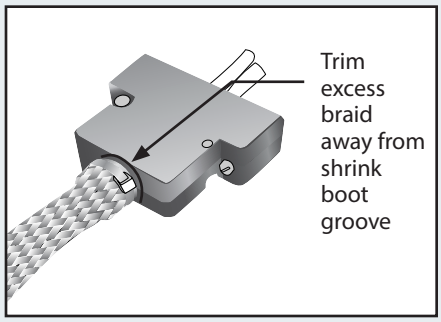
Trim away excess braid from the forward groove, particularly if a shrink boot is to be applied to the assembly.

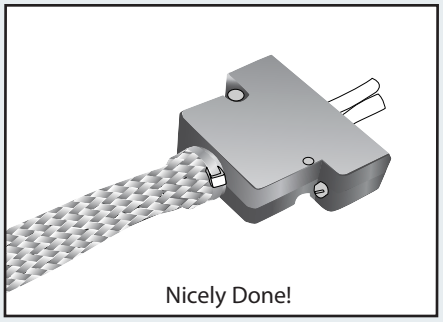
Step 9

Visually inspect shield termination for problems.

NOTE: *Band can be removed by lifting the buckle with a screwdriver or diagonal cutters.*







© 2020 Glenair, Inc • 1211 Air Way, Glendale, CA 91201 • 818-247-6000 • www.glenair.com • U.S. CAGE code 06324

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″) 601-572 (14″)	601-600 (8″) 601-602 (14″)	601-500 (6″) 601-504 (9″) 601-508 (14″)	601-700 (8″) 601-702 (14″)
Part Numbers (precoiled)	601-571 (9″) 601-573 (14″)	601-601 (8″) 601-603 (14″)	601-501 (6″) 601-505 (9″) 601-509 (14″)	601-701 (8″) 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
Performace Data				
Termination Resistance (mΩ)	0.083	0.085	0.155	0.080
Termination Construction	Ni/Al backshell Size 25, Tin Copper Braid	Ni/Al backshell Size 15, Tin Copper Braid	Ni/Al backshell Size 16, Tin Copper Braid	Ni/Al backshell Size 15, 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		

© 2020 Glenair, Inc • 1211 Air Way, Glendale, CA 91201 • 818-247-6000 • www.glenair.com • U.S. CAGE code 06324

HEAVY-DUTY

Interconnect Assembly Tools



The right tool for every interconnect assembly requirement





BandMaster™ ATS EMI/RFI Shield Termination System



Backshell-to-Connector Assembly Tools

Glenair offers its connector and connector accessory customers every convenience in the provision of contact termination, shield termination, and backshell-to-connector assembly tooling. We are also proud to offer branded solutions from other well-known tool manufacturers such as Daniels (DMC) crimp tools. From pneumatic Earth-Bond tooling for the rail industry, to fiber optic termination and test equipment, Glenair is your most knowledgeable and reliable source for special-purpose interconnect assembly tooling.

Out of This World

INTERCONNECT SOLUTIONS

Glenair, Inc.

1211 Air Way • Glendale, California • 91201-2497

Telephone: 818-247-6000 • Fax: 818-500-9912 • sales@glenair.com

www.glenair.com

Glenair Power Products Group
860 N. Main Street Extension
Wallingford, CT
06492
Telephone: 203-741-1115
Facsimile: 203-741-0053
sales@glenair.com

Glenair Microway Systems
7000 North Lawndale Avenue
Lincolnwood, IL
60712
Telephone: 847-679-8833
Facsimile: 847-679-8849

Glenair Electric GmbH
Schaberweg 28
61348 Bad Homburg
Germany
Telephone: 06172 / 68 16 0
Facsimile: 06172 / 68 16 90
info@glenair.de

Glenair Italia S.p.A.
Via Del Lavoro, 7
40057 Quarto Inferiore –
Granarolo dell'Emilia
Bologna, Italy
Telephone: +39-051-782811
Facsimile: +39-051-782259
info@glenair.it

Glenair Korea
B-1304 Gunpo IT Valley
148 Gosan-Ro, Gunpo-Si
Kyunggi-Do, Korea
435-733
Telephone: +82-31-8068-1090
Facsimile: +82-31-8068-1092
sales@glenair.kr

Glenair UK Ltd
40 Lower Oakham Way
Oakham Business Park
P.O. Box 37, Mansfield
Notts, NG18 5BY England
Telephone: +44-1623-638100
Facsimile: +44-1623-638111
sales@glenair.co.uk

Glenair Nordic AB
Gustav III : S Boulevard 46
SE-169 27 Solna
Sweden
Telephone: +46-8-50550000
sales@glenair.se

Glenair Iberica
C/ La Vega, 16
45612 Velada
Spain
Telephone: +34-925-89-29-88
Facsimile: +34-925-89-29-87
sales@glenair.es

Glenair France SARL
7, Avenue Parmentier
Immeuble Central Parc #2
31200 Toulouse
France
Telephone: +33-5-34-40-97-40
Facsimile: +33-5-61-47-86-10
sales@glenair.fr

© 2016 Glenair, Inc.

Printed in U.S.A.

CAT-144