

Tie-Dex® Clamping System

Use for fast, reliable, and cost-effective
RFI/EMI/EMP Shield Terminations

BAND-IT's patented Tie-Dex® bands provide **highly effective shield terminations** for any size and type of backshell design. Tie-Dex bands have successfully passed rigorous shock, vibration, and thermal cycle testing.

Easy to use Tie-Dex Tools are available as portable hand tools or pneumatic production tools. Unlike other shield termination systems, a single tool applies Tie-Dex bands faster. All Tie-Dex tools can be calibrated.

Tie-Dex clamping systems provide a quick and reliable way of terminating cable shielding for critical applications in aircraft, military vehicles, and other sensitive electronic equipment.



Tie-Dex® Bands



IT Series Tools



A40199 Tie-Dex® II Tool

To protect sensitive equipment, Tie-Dex® is designed to provide these benefits:

- Virtually eliminates RFI/EMI/EMP leakage paths.
- Single tool installation.
- Maintains constant tension under extreme environmental conditions.
- When making repairs, Tie-Dex band clamps install without removing the backshell.
- Clamp small diameters as easily, quickly and reliably as large diameters.
- Can be tensioned to 1/4" in diameter (1/8" for Tie-Dex Micro Band).
- Precalibrated hand tool is lightweight and pocket sized, affording fast braided RFI/EMI/EMP shield termination in the field.
- Maintains tension in high vibration applications.



Tie-Dex® Micro Band

Part No.	Material*	Width		Length		Thickness		Maximum Diameter Double Wrap		Minimum Loop Tensile Strength (Lbs)	Package Quantity	Package Weight	
		In	mm	In	mm	In	mm	In	mm			Lbs	Kg
A31188**	304 SS	0.120	3	8.1	207	0.015	0.38	0.9	23	200	100/box	0.4	0.2
A31189	304 SS	0.120	3	8.1	207	0.015	0.38	0.9	23	200	100/bag	0.4	0.2
A31089	304 SS	0.120	3	14.3	362	0.015	0.38	1.9	48	200	100/bag	0.7	0.4

Tie-Dex® Band

Part No.	Material*	Width		Length		Thickness		Maximum Inside Diameter Double Wrap		Minimum Loop Tensile Strength (Lbs)	Package Quantity	Package Weight	
		In	mm	In	mm	In	mm	In	mm			Lbs	Kg
A10088**	304 SS	0.240	6	14.3	362	0.020	0.51	1.8	46	700	100/box	2.1	1.0
A10089	304 SS	0.240	6	14.3	362	0.020	0.51	1.8	46	700	100/bag	2.1	1.0
A11089	304 SS	0.240	6	18.0	457	0.020	0.51	2.5	64	700	100/bag	2.5	1.1

**Individually coiled

Tie-Dex® II Tool - A40199

Precalibrated tool applies patented Tie-Dex® Bands. Weight: 1.2 Lbs (0.6 Kg). Use the Calibration Key (A44699) to change calibration.

Micro Tie-Dex® II Tool - A30199

Precalibrated tool applies Tie-Dex® Micro Bands. Weight: 1.3 Lbs (0.6 Kg). Use the Calibration Key (A44699) to change calibration.

Tie-Dex® II Kit - A49099

Weight: 4.3 Lbs (2.0 Kg). Kit includes: 1-A40199, 1-A48599, 1-A44699, parts and cutters.

Tie-Dex® Micro Tool Kit - A59099

Weight: 4.6 Lbs (2.0 Kg). Kit includes: 1-A30199, 1-A47599, 1-A44699, parts and cutters.

Tie-Dex® Gauge - A48599

Weight: 1.0 Lbs (0.5 Kg). Tension gauge for A40199 tool. Used for verifying preset tension limits.

Micro Tie-Dex® Gauge - A47599

Weight: 1.0 Lbs (0.5 Kg). Tension gauge for A30199 tool. Used for verifying preset tension limits.

Tie-Dex® Calibration Kit - A50099

Provides fast, easy, accurate calibration of all Tie-Dex® tools without a dynamometer. Kit includes: 1-A50189, 1-A50599, 1-A50699, 1-A46687, 1 Mounting Bracket, 1 Hex Key and a Carrying Case. Weight: 4.3 Lbs (2.0 Kg).

Tie-Dex® Calibration Device - A50189

Weight: 1.2 Lbs (0.5 Kg).

Tie-Dex® Test Band - A50599

50 test bands. Weight: 0.3 Lbs (0.1 Kg).

Micro Tie-Dex® Test Band - A50699

50 test bands. Weight: 0.1 Lbs (0.06 Kg).

*BAND-IT reserves the right to substitute material with equal or better corrosion resistance and/or mechanical specifications.



Tie-Dex® Bands



A40199 Tie-Dex® II Tool



A49099 Tie-Dex® II Kit



A50189 Tie-Dex® Calibration Device



A50099 Tie-Dex® Calibration Kit

New Electronic Version Coming Soon!



See page 3.

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