Tie-Dex® Clamping System

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



Tie-Dex® Bands

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.



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.



Printed on recycled paper

Tie-Dex® Micro Band

Part No.	Material*	Width In	Width mm	Length In	Length mm	Thickness In	Thickness mm	Maximum Diameter Double Wrap In	Maximum Diameter Double Wrap mm	Minimum Loop Tensile Strength (Lbs)	Package Quantity	Package Weight Lbs	Package Weight 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 In	Width mm	Length In	Length mm	Thickness In	Thickness mm	Maximum Inside Diameter Double Wrap In	Maximum Inside Diameter Double Wrap mm	Minimum Loop Tensile Strength (Lbs)	Package Quantity	Package Weight Lbs	Package Weight 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® Bands

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.



A40199 Tie-Dex® II Tool

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.



A49099 Tie-Dex® II Kit

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).



A50189 Tie-Dex® Calibration Device

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).



A50099 Tie-Dex® Calibration Kit

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

See page 3.