

# SpringFast®

GROMMET TECHNOLOGY ON THE CUTTING EDGE™

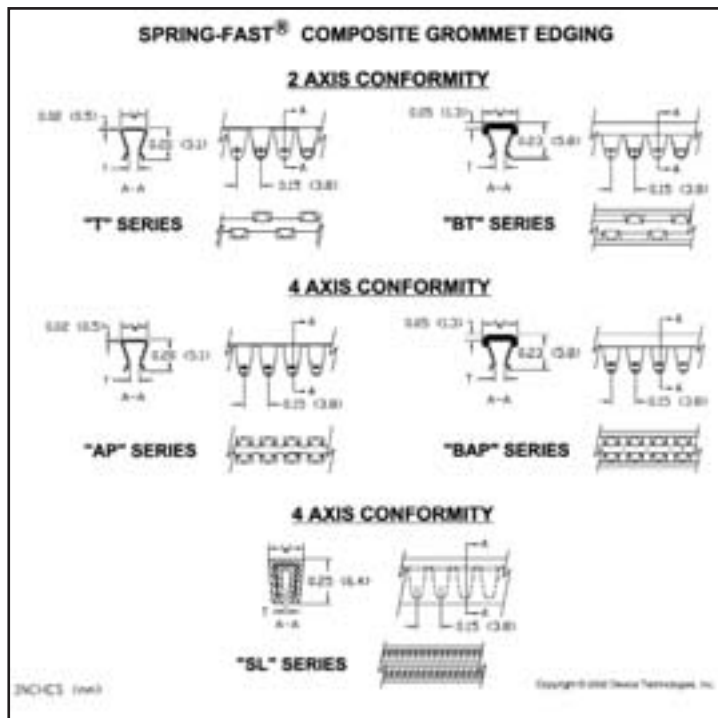
- Eliminates adhesives
- Eliminates major environmental and safety concerns
- Protects wires and cables from abrasion
- UL94 V-0 FAR 25.853
- Grips securely to a wide range of material thicknesses and two and four axis contours

## The cleaner, better, faster grommet solution

Spring-Fast is the fastest, safest, most reliable way to protect wires and cables from abrasion. It locks on with finger pressure in seconds, a significant time reduction, eliminating solvents, adhesives, ancillary materials and volatile organic compounds (VOC's) while enhancing productivity and quality.

## Features

- Spring-Fast "T" Series has the lowest profile of any grommet edging available. Its substrate is encapsulated with a lubricious fusion bonded nylon having superior abrasion and chemical resistance. Its heat continuous is 285°F(140°C).
- Spring-Fast "BT" Series includes the "T" Series abrasion resistant subsurface and a polymer cushion Durometer 46 Shore D: a soft surface on which wires and cables are protected. Its heat continuous is 185°F(85°C).
- New Spring-Fast Flexi-Grommet™ "AP" and "BAP" Series have all the attributes of the "T" and "BT" Series, but have greater gripping strength for severe shock and vibration environments and 4 axis flexibility. Their heat continuous is 285°F(140°C) and 185°F(85°C), respectively.
- New Spring-Fast Slim-Lok™ "SL" Series provides a 4 axis bend radius as well. Completely encapsulated with an abrasion resistant flame retardant polymer.



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ISO9001:2000 and AS 9100:2001 Certified  
Registration No. 950 99 0464

QUALIFICATIONS					
Spring-Fast® Product Configurations	T	AP	BT	BAP	SL
Axis Conformity	2	4	2	4	
Vicat Softening Point per ASTM D01525 Rate B	Substrate Finish: ISO306 356°F (181°C)		TPE Cushion: ISO306 230°F (110°C)		
Operating Temperature Range	285°F (140°C)		185°F (85°C)		
	-40°F (-40°C)				
Dielectric Strength Volts 60 Hz NASM22529, Section 3.2.1	1000		1500		2000
Substrate	Type 304 Stainless Steel				
Taber Abrasion Resistance	Nylon Per NFT 30-015 5 to 8 mg loss 100 cycles		TPE Cushion Per D1044 1 Kg load, C17 Wheel 25 mg loss 1000 cycles		
Finish	Substrate: Epoxy Blue UL94 V-0 Nylon Black, or FDA approved white		TPE Cushion Black Durometer 60 Shore D		
Salt Spray Hours	2000				3000
	ASTM B117. MIL-STD-202, Method 301				
Immersion	Per NASM22529 and Skydrol Compatible				
Random Shock & Vibration	MIL-STD-1344, Method 2005.1 Test Condition V1, Letter J Duration 8 hours longitudinal and 8 hours perpendicular. rms G 41.7				
Flammability	UL94 V-0 - File No. E113553 NZMT2 MIL-STD-202F, Method 111A FAR 25.853 Telcordia GR-63-CORE				
Fabrication Options	Factory pre-cut lengths bulk or private branded kits • Off Set Roll-on application tool Full by-pass shears • Bench mounted cut-off press				

SIZES						
Product Size	Sheet Thickness Inches (mm)	Width (W)				
		AP	T	BAP	BT	SL
0	.020 - .030 (0.5 - 0.8)	0.13 (3.3)		0.19 (4.8)		
1	.029 - .045 (0.7 - 1.1)					
2	.044 - .056 (1.1 - 1.4)					
3	.055 - .069 (1.4 - 1.7)	0.18 (4.6)		0.28 (6.8)		
4	.069 - .090 (1.7 - 2.3)					
5	.089 - .114 (2.3 - 2.9)					
6	.113 - .130 (2.9 - 3.3)	N/A		.25 (6.4)		N/A
7	.180 - .204 (4.6 - 5.2)					
8	.240 - .260 (6.1 - 6.6)					

Due to sheet thickness tolerances and finishes, end user should determine product sizes by trial. When sheet thickness is at the maximum for the grommet chosen, end user may use a rubber mallet to set, or try the next size larger grommet.

ORDERING EXAMPLES	
<p><b>T Series on Reel</b></p> <p>22 Gage .0299 (.8) Steel 25 Foot Reel (7.6) Reel Coating: Fusion Bonded Nylon Color: Black</p> <p><b>T1 - 0025 - ER 02</b></p>	
<p><b>BT Series Factory Precut</b></p> <p>.080 (2.0) Aluminum 53 Whole Castles, 53 x 0.15=7.95 Factory Pre-Cut Length Coating: Fusion Bonded Nylon with Cushion Color: Black</p> <p><b>BT4 - 0053 - EC 0201</b></p>	
<p><b>BAP Series on Reel</b></p> <p>18 Gage .0478 (1.0) Steel 100 Foot Reel (30.5) Reel Coating: Fusion Bonded Nylon with Cushion Color: Black</p> <p><b>BAP2 - 0100 - ER 0201</b></p>	



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