

# SpringFast®

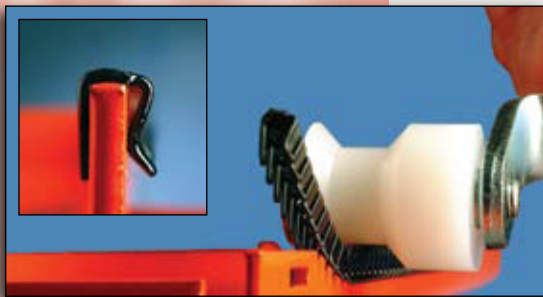
## Wire Protection Grommet Edging



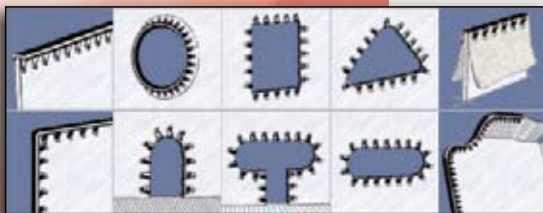
AP and BAP Series



BT Series



FM Series



Spring-Fast is the fastest, safest, most reliable way to protect wires, cables, and tubing from abrasion. It locks on with finger pressure in seconds, eliminating solvents, adhesives, ancillary materials and volatile organic compound (VOCs). Spring-Fast installs continuously and is very flexible for use on sharp corners and curved edges, such as flanged holes.

### Features for all Spring-Fast:

- Coated with abrasion resistant nylon thermoplastic
- UL94 V-0 flammability rating
- RoHS compliant
- FAR 25.853 compliant
- Eliminates adhesives
- For use on a wide range of panel thicknesses
- Ergonomic improvement during assembly

### Spring-Fast "T" Series:

- Lowest profile (size) grommet
- Operating temperature range: -40°F to 285°F (-40°C to 140°C)
- For straight edges and inside and sharp outside corners

### Spring-Fast "BT" Series:

- Includes a flexible polymer cushion for added abrasion protection
- Operating temperature range: -40°F to 185°F (-40°C to 85°C)
- For straight edges and inside and sharp outside corners

### Spring-Fast "AP Flexi-Grommet" Series:

- Greater gripping strength for severe shock and vibration environments
- Operating temperature range: -40°F to 285°F (-40°C to 140°C)
- Multi-axis flexibility for rounded inside and outside corners

### Spring-Fast "BAP Flexi-Grommet" Series:

- Greater gripping strength for severe shock and vibration environments
- Includes a flexible polymer cushion for added abrasion protection
- Operating temperature range: -40°F to 185°F (-40°C to 85°C)
- Multi-axis flexibility for rounded inside and outside corners

### Spring-Fast "SL" Series:

- FST compliant
- Completely encapsulated in a flexible UL94 V-0 flame retardant polymer
- Operating temperature range: -67°F to 203°F (-55°C to 95°C)
- Added abrasion protection for wires and hands

### Spring-Fast "FM Flexi-Grommet" Series:

- Same characteristics as "AP" Series plus flush mounting on one side for flat panel surfaces
- Operating temperature range: -40°F to 285°F (-40°C to 140°C)
- Multi-axis flexibility for rounded inside and outside corners



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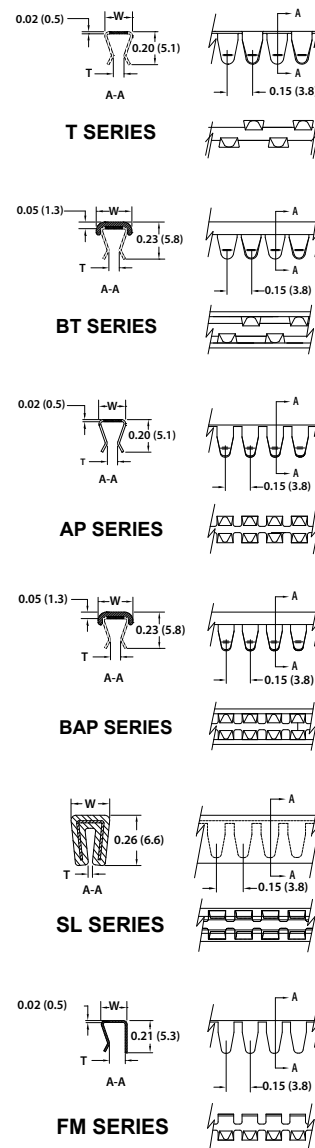
## Qualifications:

Spring-Fast Product Configurations	T	AP	FM	BT	BAP	SL
Axis Conformity	Single	Multi	Multi	Single	Multi	Multi
Vicat Softening Point per ASTM D01525 Rate B	Substrate Finish: ISO306 356°F (180°C)			TPE Cushion: ISO306 230°F (110°C)		
Operating Temperature Range	-40°F to 285°F (-40°C to 140°C)			-40°F to 185°F (-40°C to 85°C)		-67°F to 203°F (-55°C to 95°C)
Dielectric Strength Volts 60Hz NASM22529 Section 3.2.1	1000			1500		2000
Substrate	Stainless Steel					
Taber Abrasion Resistance	Nylon per NFT 30-015			TPE Cushion per D1044		
Finish (End Code)	Nylon Black (02)    Epoxy Blue (03) FDA White (04)    Epoxy Green (06) Epoxy White (07)		TPE Cushion Black (01)    Gray(02)		TPE Encapsulation Black (01)	
Salt Spray Hours	2000					500
Immersion	Per NASM22529 and Skydol Compatible					
Random Shock and Vibration	MIL-STD-1344					
Flammability	UL94 V-0 (File No. E113553 NZMT2) • MIL-STD-202F, FAR 25.853A • Telcordia GR-63-CORE					
Fabrication Options	Factory pre-cut lengths • Bulk or private branded kits Roll-Fast™ installation tool • Bench mounted cut-off press					

## Sizes:

Product Size	T Panel Thickness		Product Color Code	W Width Inches (mm)					
	Inches (mm)	Aluminum Gauge		AP/FM	AP	T	FM	BT	BAP
0	0.020 - 0.030 (0.5 - 0.8)	24, 23, 22, 21	Lt. Purple	0.13 (3.3)	0.13 (3.3)	N/A	0.23 (5.8)	0.28 (6.8)	0.212 (5.4)
1	0.029 - 0.045 (0.7 - 1.1)	20, 19, 18	White			N/A			
2	0.044 - 0.056 (1.1 - 1.4)	17, 16	Pink			N/A			
3	0.055 - 0.069 (1.4 - 1.7)	15, 14	Yellow			0.14 (3.6)			
4	0.069 - 0.090 (1.7 - 2.3)	13, 12	Blue	0.18 (4.6)	0.18 (4.6)	N/A	0.23 (5.8)	0.28 (6.8)	0.277 (7.0)
5	0.089 - 0.114 (2.3 - 2.9)	11, 10, 9	Green			N/A			
6	0.113 - 0.130 (2.9 - 3.3)	8	Orange			N/A			
7	0.180 - 0.204 (4.6 - 5.2)	5, 4	N/A	N/A	0.25 (6.4)	N/A	0.32 (8.1)	N/A	N/A
8	0.240 - 0.260 (6.1 - 6.6)t	2	N/A	N/A	0.32 (8.1)	N/A	0.38 (9.6)	N/A	N/A

## Spring-Fast Profiles:



## Ordering Examples:

**T Series on Reel**  
**T1 - 0025 - ER 02**  
 22 Gage Panel  
 25' (7.6m) Reel  
 Reel  
 Coating: Fusion Bonded Nylon  
 Color: Black

**BT Series Factory Precut**  
**BT4 - 0053 - EC 0201**  
 0.08" (2.0mm) Panel  
 53 Castles, 53 x 0.15 = 7.95"  
 Factory Precut Length  
 Coating: Fusion Bonded Nylon with Cushion  
 Color: Black

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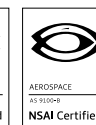
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