

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.



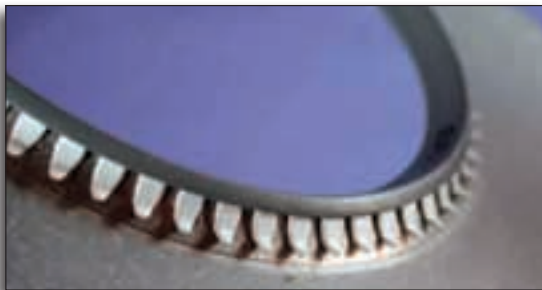
AP and BAP Series



BT Series



FM Series



BAP Series White

### Features for all Spring-Fast:

- Coated with abrasion resistant nylon thermoplastic
- UL94 V-0 flammability rating
- RoHS and FAR 25.853 compliant
- Eliminates adhesives and ancillary
- UV Resistant
- For use on a wide range of panel thicknesses

### 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 sharp inside and 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 sharp inside and outside corners

### Spring-Fast “AP” 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 straight edges, rounded inside and outside corners, and flanged holes

### Spring-Fast “BAP” 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 straight edges, rounded inside and outside corners, and flanged holes
- Optional white coating with gray cushion for aerospace applications

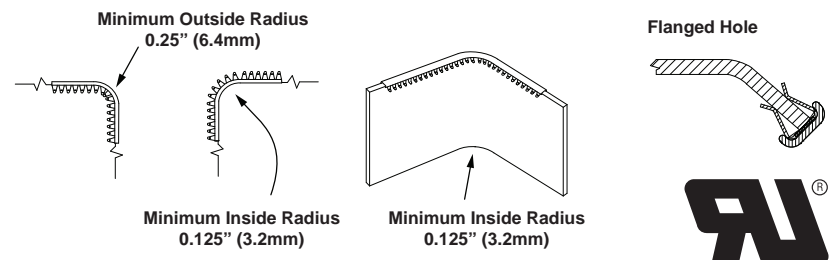
### Spring-Fast “FM” Series:

- 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

### Spring-Fast “SLC” Series:

- Completely encapsulated in a flexible UL94 V-0 flame retardant polymer
- Operating temperature range: -40°F to 185°F (-40°C to 85°C)
- Added abrasion protection for wires and hands

### Multi-Axis Flexibility:



### Qualifications:

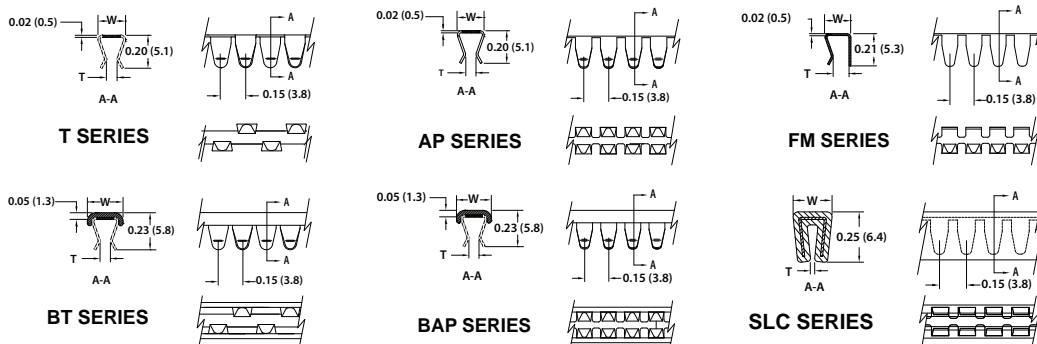
Spring-Fast Product Configurations	T	AP	FM	BT	BAP	SLC*
Axis Conformity	Single	Multi	Multi	Single	Multi	Multi
Vicat Softening Point per ASTM D01525 Rate B	Substrate Finish: ISO306 356°F (180°C)			TPE Cushion: ISO306 230°F (110°C)		
Operating Temperature Range	-40°F to 285°F (-40°C to 140°C)			-40°F to 185°F (-40°C to 85°C)		
Dielectric Strength Volts 60Hz NASM22529 Section 3.2.1	1000			1500		
Substrate	Stainless Steel					Steel
Taber Abrasion Resistance	Nylon per NFT 30-015 5mg to 8mg loss, 100 cycles			TPE Cushion per D1044 1 KG load C17 Wheel 25mg loss, 1000 cycles		
Finish (End Code)	Epoxy Blue (03) Epoxy Green (06) Nylon Black (02)		Epoxy White (07) FDA White (04)		TPE Cushion Black (01) Gray (02)	
Salt Spray Hours	2000					
Immersion	Per NASM22529 and Skydol Compatible					-
Random Shock and 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					UL94 V-0
Fabrication Options	Factory pre-cut lengths • Bulk or private branded kits Roll-Fast™ installation tool • Bench mounted cut-off press					

### Sizes:

\* SLC Coming Soon

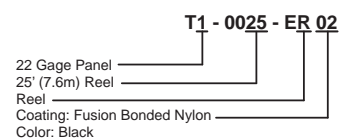
Product Size	Panel Thickness		Product Color Code	Width Inches (mm)					
	Inches (mm)	Gauge		AP/FM	AP	T	FM	BT	BAP
0	0.020 - 0.030 (0.5 - 0.8)	24, 23, 22, 21	Lt. Purple	0.13 (3.3)	N/A	N/A	0.19 (4.8)		
1	0.029 - 0.045 (0.7 - 1.1)	20, 19, 18	White						
2	0.044 - 0.056 (1.1 - 1.4)	17, 16	Pink						
3	0.055 - 0.069 (1.4 - 1.7)	15, 14	Yellow	0.18 (4.6)	N/A	0.14 (3.6)	0.23 (5.8)	0.28 (6.8)	0.23 (5.8)
4	0.069 - 0.090 (1.7 - 2.3)	13, 12	Blue						
5	0.089 - 0.114 (2.3 - 2.9)	11, 10, 9	Green						
6	0.113 - 0.130 (2.9 - 3.3)	8	Orange	N/A	0.25 (6.4)	N/A	0.32 (8.1)	N/A	N/A
7	0.180 - 0.204 (4.6 - 5.2)	5, 4	N/A						
8	0.240 - 0.260 (6.1 - 6.6)	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



#### BT Series Factory Precut

