



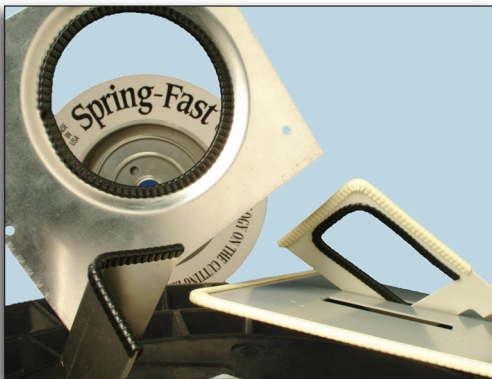
Spring-Fast SL AERO is fully encapsulated in a flexible polymer for added abrasion protection on multi-axial forms and penetrations. Used in high performance applications: aircraft structures/interiors, avionics systems, military vehicles, NASCAR vehicles, supercomputers, medical equipment and rail transit.

Key Benefits:

- 49% reduction in total install costs (@ \$60 labor rate)
- 950% productivity improvement from reduced total process time
- Best-in-class performance

All Spring-Fast variants snap on in seconds for immediate wire routing – no fixturing, adhesive curing, clean up.

If you use “glued” in grommets, switch to Spring-Fast for significant savings and productivity gains

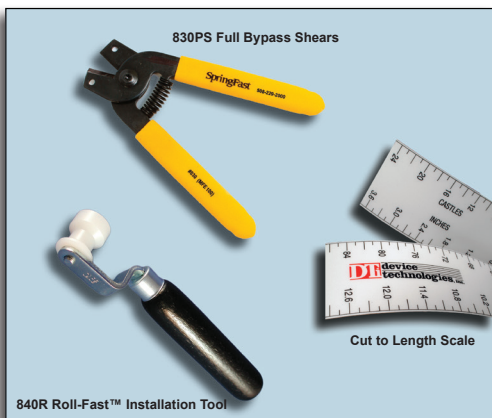


Qualifications:

- FST Compliant
- RoHS and DFAR compliant
- Flammability FAR 25.853, ASTM E 162 & UL94 V-0
- Smoke Density ASTM E 662
- Random Vibration MIL-STD-102
- Mechanical Shock MIL-STD-810C
- Salt Spray (Corrosion) MIL-STD-202F
- Humidity MIL-STD-810F
- Immersion NASM22529
- Dielectric Withstanding Voltage NASM22529
- Low Temperature MIL-STD-810E
- Temperature Cycling MIL-STD-202G

Features and Benefits:

- Multi axis flexibility for flanged holes, inside and outside corners
- Indoor and outdoor use
- Operating temperature range: -67°F to 203°F (-55°C to 95°C)
- Eliminates adhesives, safety and enviro concerns
- Holds fast without VOC adhesives
- Excellent resistance to abrasion, water absorption, and low/high temperatures
- Improves ergonomics during assembly
- Spring steel substrate with polymer coating
- Simple snap-on install with finger pressure
- Superior quality, finish and durability
- Adapts to materials, thicknesses & applications
- Flexible and Installs continuously



Applications:

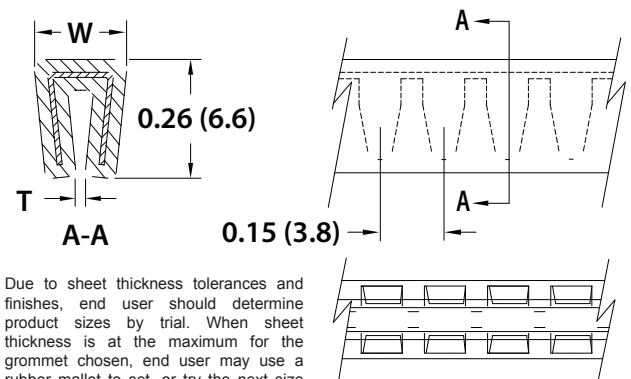
- Aerospace
- Military/Tactical
- Automotive
- Telecommunication/IT
- Medical
- General Industrial
- Rail/Transportation

Spring-Fast™ SL AERO Series Specifications and Ordering Options

Description	Specification	Test Standard
Axis Conformity	Multi	-
Substrate	Stainless Steel	ASTM A 666-03
Finish	TPE Encapsulation	-
Vicat Softening Point	ISO306 230°F (110°C)	ASTM D01525 Rate B
Operating Temperature Range	-67°F to 203°F (-55°C to 95°C)	MIL-STD-202G
Low Temperature Soak	-40°F (-40°C)	MIL-STD-810E
Temperature Cycling	-67°F to 203°F (-55°C to 95°C)	MIL-STD-202G
Humidity	No physical change	MIL-STD-810
Dielectric Withstanding Voltage	2000 volts @ 60Hz	NASM22529
Abrasion Resistance	25 mg Loss	ASTM D1044
	No change in weight or dielectric strength	DTI Abrasion Resistance Test
Salt Spray Hours	500	MIL-STD-202
Immersion	No physical change	NASM22529, MIL-H-5606, MIL-T-5624, MIL-L-7808 and Skydrol Compatible
Mechanical Shock	No movement or physical change	MIL-STD-810C
Random Vibration	No movement or physical change	MIL-STD-202
Flammability	No sustained flame front or drips	ASTM E 162 Tested, FAR 25.853 (A), and UL94 V-0
Smoke Density	Test period 90 sec., 4 min., 20 min. with no flaming, dripping, or running	ASTM E 662 Tested, FAR 25.853 (D)
Toxicity	4 min. test within acceptable limits	BSS 7239
Flammability Certifications	FAR 25.853 (A) UL94 V-0 (File No. E113553 NZMT2)	

Sizes:

Product Size	Sheet Thickness "T"		Width "W"	
	Inches	(mm)	Inches	mm
0	0.020 - 0.030	(0.5 - 0.8)	0.212	(5.4)
1	0.029 - 0.045	(0.7 - 1.1)		
2	0.044 - 0.056	(1.1 - 1.4)		
3	0.055 - 0.069	(1.4 - 1.7)		
4	0.069 - 0.090	(1.7 - 2.3)	0.277	(7.0)
5	0.089 - 0.114	(2.3 - 2.9)		
6	0.113 - 0.130	(2.9 - 3.3)		
6MA	0.135 - 0.145	(3.4 - 3.7)		



Ordering Examples

SL Series on Reel

SL4 - 0025 - ER 0201

12 Gage Aluminum Panel
 25' (7.6m) Reel
 Reel
 Encapsulate: TPE
 Color: Black

SL Series Factory Precut

SL6 - 0053 - EC 0201

0.125" (3.56mm) Panel
 53 Castles, 53 x 0.15 - 7.95"
 Factory Precut Length
 Encapsulate: TPE
 Color: Black

Additional Ordering Options:

- 25' (7.6m), 100' (30.4m), 500' (152m) reels
- Factory pre-cut lengths
- Bulk or private branded kits
- 840-R Roll-Fast™ installation tool
- 830 Full Bypass Shears
- 860-GSB Cut to Length Scale