

TIE RODS - GROMMET EDGING



BRUNTON TIE RODS

These high quality aircraft wires and terminals are manufactured in Scotland by Bruntons Aero Products who first originated streamline wires in 1909. They feature the stronger rolled threads and are available in high polish or satin finish.

Material is 316 high tensile stainless steel. Wires are also available in BSF or metric threads. Special wires with combination streamline and round section commonly used for biplane roll wires or seaplane float installations are available. Wires are manufactured to AN specifications and are 100% proof loaded. Wires ordered with terminal assemblies are supplied assembled. Quality certifications are provided with all orders. Aircraft tie rods carry tensile loads for bracing wings, tail assemblies as well as float installations. They may be ordered separately or with terminal assemblies (AN665 terminal, clevis pin, jam nut, cotter pin). AN specs define thread lengths as well as a fixed difference in length between rod length and pin center length (K). Order pin center lengths ONLY when AN665 terminals are used on both ends of the wire. All other installations must order rod length. Due to fluctuations in international exchange rates, the prices of Brunton tie rods are subject to change. We guarantee the lowest prices and fastest delivery on all Brunton tie rods. Request current pricing. Allow 8-10 weeks for delivery of Brunton tie rods.

STREAMLINE TIE RODS



AN Number	Size & Thread	Diameter Inches	Thread Length (IN.)		K	Minimum Strength Pounds
			RH	LH		
AN671AC-	6-40	.138	1 3/4	1 1/4	1 1/4	1,200
AN673AC-	10-32	.190	1 7/8	1 3/8	1 1/2	2,400
AN674AC-	1/4-28	.250	2 1/8	1 5/8	1 7/8	4,200
AN675AC-	5/16-24	.3125	2 1/4	1 3/4	2 1/8	6,900
AN676AC-	3/8-24	.375	2 3/8	1 5/8	2 1/4	10,000
AN677AC-	7/16-20	.4375	2 5/8	2 1/8	2 1/2	13,700
AN678AC-	1/2-20	.500	2 7/8	2 3/8	2 7/8	18,500
AN679AC-	9/16-18	.5625	3 1/8	2 5/8	3 1/4	24,000
AN680AC-	5/8-18	.625	3 3/8	2 7/8	3 1/2	29,500
AN682AC-	3/4-16	.750	3 3/4	3 1/4	4 3/8	42,000

CALL FOR CURRENT PRICING! ROUND TIE RODS



AN Number	Size & Thread	Diameter Inches	Thread Length (IN.)		K	Minimum Strength Pounds
			RH	LH		
AN701AC-	6-40	.138	1 3/4	1 1/4	1 1/4	1,000
AN703AC-	10-32	.190	1 7/8	1 3/8	1 1/2	2,100
AN704AC-	1/4-28	.250	2 1/8	1 5/8	1 7/8	3,400
AN705AC-	5/16-24	.3125	2 1/4	1 3/4	2 1/8	6,100
AN706AC-	3/8-24	.375	2 3/8	1 7/8	2 1/4	8,000
AN707AC-	7/16-20	.4375	2 5/8	2 1/8	2 1/2	11,500
AN708AC-	1/2-20	.500	2 7/8	2 3/8	2 7/8	15,500

CALL FOR CURRENT PRICING! SEALS-IT GROMMET SEALS

Grommet seals have many applications. In race cars they serve to keep unwanted smoke and fumes from entering the driver's area while protecting lines from chafing and abrading on rough surfaces. In hot rods and custom car applications, they provide the perfect "finishing touch" to all through panel installations. Wiring, fuel and oil lines, air and liquid hoses, and all other lines that make up your rod or custom, can make an otherwise detailed installation look unfinished. Seals-It grommet seals add the well-organized, professional appearance you want. Grommet seals also have many other applications including: marine, commercial equipment, motor homes, etc.

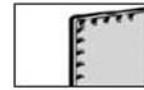
Grommet Seal 1 Hole Series			
Dia.	Hole	P/N	Price
1.5"	n/a	05-02493	.
2.0"	n/a	05-02494	.
3.0"	n/a	05-02495	.
3.0"	.250	05-02496	.
3.0"	.375	05-02497	.
3.0"	.500	05-02498	.
3.0"	.625	05-02499	.
3.0"	.750	05-02501	.
3.0"	.950	05-02502	.
3.0"	1.180	05-02503	.
4.0"	n/a	05-02504	.
4.0"	1.00	05-02505	.
4.0"	1.80	05-02506	.
4.0"	1.50	05-02507	.
4.0"	2.12	05-02508	.
4.0"	n/a	05-02509	.
4.0"	1.00	05-02505	.
4.0"	1.80	05-02506	.
4.5"	1.50	05-02507	.
4.5"	2.12	05-02508	.
6.0"	n/a	05-02509	.

Grommet Seal 2 Hole Series			
Dia.	Hole	P/N	Price
All Rubber Blank 5-1/4"			
1-1/2"	2.125	05-02511	.
2 Hole Blank 5-1/4"			
1.4"	n/a	05-02493	.
3/8"	n/a	05-02494	.
1/2"	n/a	05-02495	.
5/8"	.250	05-02496	.
3/4"	.375	05-02497	.
1"	.500	05-02498	.
3.0"	.625	05-02499	.
3.0"	.750	05-02501	.
3.0"	.950	05-02502	.
3.0"	1.180	05-02503	.
4.0"	n/a	05-02504	.
4.0"	1.00	05-02505	.
4.0"	1.80	05-02506	.
4.5"	1.50	05-02507	.
4.5"	2.12	05-02508	.
6.0"	n/a	05-02509	.
2 Hole Blank 5-1/4"			
1/4"	2.750	05-02520	.
3/8"	2.750	05-02521	.
1/2"	2.750	05-02522	.
5/8"	2.750	05-02523	.
3/4"	2.750	05-02524	.
1"	2.750	05-02525	.
.700	3.625	05-02526	.

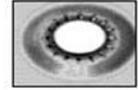
SPRING-FAST GROMMET EDGING



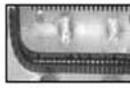
M22529/2 Series



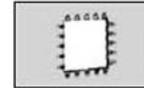
M22529/2 Series



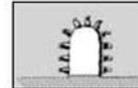
BAP Series



SL Series



M22529/1 Series



M22529/1 Series

Spring-Fast® Composite Grommet Edging covers sharp edges of panels that come in contact with wires and cables, and mechanically locks on indefinitely with finger pressure, in only seconds per foot, a significant time reduction and long-term reliability solution. Eliminates nylon caterpillar plastic grommets and associated toxic solvents, adhesives, ancillary materials and volatile organic compounds. Provides a cushion between sharp metallic edges and an aircraft's wiring, cabling, and tubing. Qualifications: resistance to shock, vibration, salt spray and immersion. Applications: avionics racks, ribs, bulkheads, intercostals, and other airframe structures.

Spring-Fast Grommet Edging is approved by the U.S. Defense Department and FAA per NASM 22529/1 and NASM 22529/2 for all aircraft applications. Meets FAR 25.853 for flammability and Mil Std 1344 for shock & vibration. Spring-Fast is available in 8 different sheet thickness ranges from 0.025 to 0.260 and can be purchased in either 10 piece packs of 12.75" long pieces, or 25 or 100-foot reels. Use Spring-Fast BAP and SL series for flanged lightning holes and three-axis contours. The BAP Series Flexi-Grommet is perfect for roll formed edges and small lightening holes. Where wires routed in the same plain as the sheet metal, the Spring-Fast SL Series is just right and provides a trim characteristic for all edges with or without cabling nearby.

To make installation easier consider these tools. All Spring-Fast series products are easy to fabricate to length utilizing the DTI Shears **P/N 05-04446**. In addition, for repetitive cutting tasks the PSA backed Mylar Grommet Scale **P/N 05-04448** mounts on most table top surfaces. For grommet installation in tight or repetitive areas, the Roller installation tool (pictured to the right) **P/N 05-04449** is just the thing.

Spring-Fast is used in a wide variety of aviation and aerospace applications:

- Lightening Holes
- Wing Sections
- Seating
- Intercostals
- Fuselage
- Avionics
- Tail Sections
- Tactical Satellite Emulators
- Ferrules
- Navigation Systems
- Electrical Power Centers
- Racks
- IFE (In-Flight Entertainment)
- Bulkheads
- Ground Control
- Air Traffic Control
- EAU (Electrical Avionic Units)
- PSU (Personal Safety Units)
- APU (Auxiliary Power Units)

MFG Number	Sheet Thickness	Package Size	Our P/N	Price Ea.
M22529/2-1R	.025-.036	Per Foot	05-00673	.
M22529/2-1R-10PK	.025-.036	10pcs/12.75"	05-00674	.
M22529/2-2R	.036-.063	Per Foot	05-00675	.
M22529/2-2R-10PK	.036-.063	10pcs/12.75"	05-00676	.
M22529/2-3R	.059-.074	Per Foot	05-00677	.
M22529/2-3R-10PK	.059-.074	10pcs/12.75"	05-00678	.
M22529/2-4R	.070-.093	Per Foot	05-00679	.
M22529/2-4R-10PK	.070-.093	10pcs/12.75"	05-00680	.
M22529/2-5R	.090-.111	Per Foot	05-00681	.
M22529/2-5R-10PK	.090-.111	10pcs/12.75"	05-00682	.
M22529/2-6R	.105-.134	Per Foot	05-00683	.
M22529/2-6R-10PK	.105-.134	10pcs/12.75"	05-00684	.
M22529/2-7R	.178-.198	Per Foot	05-00685	.
M22529/2-7R-10PK	.178-.198	10pcs/12.75"	05-00687	.
M22529/2-8R	.240-.260	Per Foot	05-00688	.
M22529/2-8R-10PK	.240-.260	10pcs/12.75"	05-00690	.

Accessories	Part No.	Price
DTI Shears 830 PS	05-04446	.
Grommet Scale 860GSB	05-04448	.
Roller Installation Tool 840R	05-04449	.

25ft. rolls are 20% discount off per foot prices



SPECIAL SPRING-FAST FULL BYPASS CUT-OFF SHEARS

P/N 05-00689.....