

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

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SEALS-IT GROMMET SEALS

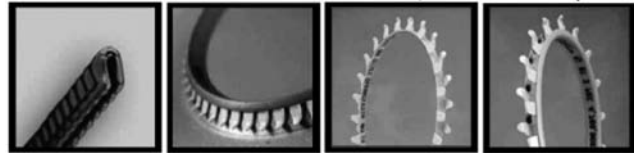
Grommet seals have many applications. In race cars they serve to keep unwanted smoke and fumes from entering the driver's area while protecting lines from chafing and abrading on rough surfaces. In hot rods and custom car applications, they provide the perfect "finishing touch" to all through panel installations. 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	\$12.85
2.0"	n/a	05-02494	\$12.85
3.0"	n/a	05-02495	\$22.50
3.0"	.250	05-02496	\$15.95
3.0"	.375	05-02497	\$15.95
3.0"	.500	05-02498	\$15.95
3.0"	.625	05-02499	\$15.95
3.0"	.750	05-02501	\$15.90
3.0"	.950	05-02502	\$15.90
3.0"	1.180	05-02503	\$15.95
4.0"	n/a	05-02504	\$26.20
4.0"	1.00	05-02505	\$35.00
4.0"	1.80	05-02506	\$26.20
4.5"	1.50	05-02507	\$44.70
4.5"	2.12	05-02508	\$51.60
6.0"	n/a	05-02509	\$44.50

Grommet Seal 2 Hole Series			
Dia.	Hole	P/N	Price
All Rubber Blank 5-1/4"			
1-1/2"	2.125	05-02511	\$42.50
2 Hole Blank 5-1/4"			
2 Hole Blank 5-1/4"			
1/4"	2.750	05-02520	\$63.75
3/8"	2.750	05-02521	\$42.50
1/2"	2.750	05-02522	\$42.50
5/8"	2.750	05-02523	\$42.50
3/4"	2.750	05-02524	\$42.50
1"	2.750	05-02525	\$42.50
.700	3.625	05-02526	\$43.10

SPRING-FAST® GROMMET EDGING

SL Series BAP Series MS22529/1 MS22529/2



Spring-Fast® Composite Grommet Edging covers sharp edges of panels that come in contact with wire and cables and mechanically lock on indefinitely with finger pressure in only seconds per foot. They provide a significant time reduction in assemblies. A long-term reliability solution that replaces nylon caterpillar plastic grommets and associated solvents, adhesives, and ancillary materials to protect critical equipment from failure due to wire chaffing.

Spring-Fast® Grommet Edging is approved by the FAA and U.S. Department of Defense per NASM 22529/a and NASM 22529/2 for all aircraft applications. Meets FAR 25.853 for flammability and MIL 1344 for shock and vibration. Spring-Fast® is available for 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 hole and three-axis contours. The BAP Series Flexi-Grommet is perfect for roll formed edges and small lightening holes. Where wires are routed in the same plain as the sheet metal, the Spring-Fast® SL Series provides a trim characteristic for all edges with or without cabling nearby.

MFG Number	Sheet Thickness	Package Size	Our P/N	Price Ea.
M22529/2-1R	.025-.036	Per Foot	05-00673	\$5.50
M22529/2-1C-10PK	.025-.036	10pcs/12.75"	05-00674	\$59.85
M22529/2-2R	.036-.063	Per Foot	05-00675	\$5.50
M22529/2-2C-10PK	.036-.063	10pcs/12.75"	05-00676	\$59.85
M22529/2-3R	.059-.074	Per Foot	05-00677	\$5.50
M22529/2-3C-10PK	.059-.074	10pcs/12.75"	05-00678	\$59.85
M22529/2-4R	.070-.093	Per Foot	05-00679	\$5.50
M22529/2-4C-10PK	.070-.093	10pcs/12.75"	05-00680	\$59.85
M22529/2-5R	.090-.111	Per Foot	05-00681	\$5.70
M22529/2-5C-10PK	.090-.111	10pcs/12.75"	05-00682	\$59.75
M22529/2-6R	.105-.134	Per Foot	05-00683	\$5.50
M22529/2-6C-10PK	.105-.134	10pcs/12.75"	05-00684	\$59.75
M22529/2-7R	.178-.198	Per Foot	05-00685	\$6.50
M22529/2-7C-10PK	.178-.198	10pcs/12.75"	05-00687	\$86.75
M22529/2-8R	.240-.260	Per Foot	05-00688	\$6.85
M22529/2-8C-10PK	.240-.260	10pcs/12.75"	05-00690	\$87.75

See aircraftspruce.com for our complete selection of grommet edging

BAP SERIES GROMMET EDGE

Spring-Fast® BAP Flexi Wire Protection Grommet® Series has all the attributes of the "T" and "BT" Series grommet edging, but has greater gripping strength for severe shock and vibration environments with 4-axis flexibility. Heat continuous to 185°F (85°C) Low Temperature to -40°F (-40°C) High Corrosion Resistance UL94 V-0 Flammability Rating Superior Dielectric Strength High Shock and Vibration Resistance to rms G 41.7 Multi-axis flexibility for rounded inside and outside corners Continuous Edge Protection on Flanged Holes, 1/8" or greater Inside Radius and 1/4" or greater Outside Radius.

SL SERIES GROMMET EDGE

Sold by the foot or in a 10 foot roll. Spring-Fast® SL Series plastic trim has similar attributes of the "AP" and "BAP" Series grommet edging. Features: Substrate: Stainless Steel, Flammability rating: UL94 V-0, RoHS Compliant, DFARS Compliant, Multi axis flexibility, Heat continuous to 185°F (85°C), Low temperature to -40°F (-40°C), Indoor or outdoor use

High gripping strength, High corrosion resistance, High dielectric strength, High shock and vibration resistance per rms G 41.7, Multi-axis flexibility for rounded inside and outside corners. Continuous edge protections on flanged holes, 1/8" or greater inside radius and 1/4" or greater outside radius. Color: Black

SEE WWW.AIRCRAFTSPRUCE.COM FOR SL AND BAP SERIES P/N'S & PRICING



SPRING-FAST® INSTALLATION PRODUCTS

Description	Part No.	Price
DTI Shears 830 PS	05-04446	\$33.75
Grommet Scale 860GSB	05-04448	\$17.50
Roller Installation Tool 840R	05-04449	\$14.95



SPECIAL SPRING-FAST FULL BYPASS CUT-OFF SHEARS

P/N 05-00689..... \$29.50