



High-Performance Grommets For Defense & Aerospace

High performance best in class grommet edging for wire, cable, & tubing abrasion protection that replaces the old nylon MS21266 (BACG20Z) glued-in grommet.

		 NEW ★
NASM22529/1 - Alternating castles	NASM22529/2 - Alternating castles	NASM22529/3 - Opposing castles
Encapsulated metal substrate	Added sacrificial abrasion cushion	Added sacrificial abrasion cushion
2 axis flexibility	2 axis flexibility	Multi Axis for flanged edges

Spring-Fast Mil Spec Benefits

Core Benefits

- Best in class abrasion protection
- Easy no glue application saves 49%+ of install costs vs. MS21266.
- Simpler process yields a 9.5x task productivity increase

Features

- Locks onto edges with finger pressure in seconds without adhesive
- Proven grip without adhesive – static load tested to 20/20/20 G
- Lower weight than the equivalent nylon grommet & glue
- No fixturing or adhesive curing
- Stainless substrate fully encapsulated in a flexible thermoset polymer
- No embrittlement as happens to nylon grommets & their adhesive over time
- Significantly reduced FOD risk
- Installs continuously on edges, corners & penetrations -adapting to materials & thicknesses
- Less equipment discrepancies for AOG due to wiring issues
- Eliminates adhesives, curing, solvents, ancillary materials, VOCs & HAZMAT handling & disposal concerns



Applications

- Military and commercial airframes and avionics,
- Military tactical vehicles & ground-based tech
- Protects wire harnesses, hydraulic & climate tubing & fiber
- Penetrations, cutouts and edges
- Aluminum, Titanium, CRES or composites
- Monolithic machined, laminated composite or sheet metal components, panels & avionics racks

Qualifications

- NASM22529 qualified
- FAA acceptable
- FAR 25.853 (UL 94 V-0)
- NAVAIR 01-1A-505-1 (NASM22529/2 & NASM22529/3)
- UL94 V-0 compliant
- RoHS and DFARS compliant
- RTCA DO 160 rev G compliant
- EASA: JAR 25.853 & CS 25.853
- EUROCAE ED4 Compliant

Specifications and Ordering Options

Cage Code: 0HES0



NASM22529/1

	Sheet Thickness T	Width W	Corresponds to
Size 1	0.025" - 0.036"	0.14"	MS21266-1
	0.6mm - 0.9mm	3.6mm	0.015"-0.052"
			0.4mm - 1.3mm
Size 2	0.036" - 0.063"	0.14"	MS21266-2
	0.9mm - 1.6mm	3.6mm	0.052"-0.085"
			1.3mm - 2.2mm
Size 3	0.059" - 0.074"	0.14"	MS21266-2
	1.5mm - 1.9mm	3.6mm	0.052"-0.085"
			1.3mm - 2.2mm
Size 4	0.070" - 0.093"	0.19"	MS21266-3
	1.8mm - 2.4mm	4.8mm	0.085"-0.128"
			2.2mm - 3.3mm
Size 5	0.090" - 0.111"	0.19"	MS21266-3
	2.3mm - 2.8mm	4.8mm	0.085"-0.128"
			2.2mm - 3.3mm
Size 6	0.105" - 0.134"	0.19"	MS21266-3
	2.7mm - 3.4mm	4.8mm	0.085"-0.128"
			2.2mm - 3.3mm
Size 7	0.178" - 0.198"	0.25"	MS21266-4
	4.5mm - 5.0mm	6.4mm	0.128"-0.192"
			3.3mm - 4.9mm
Size 8	0.240" - 0.260"	0.32"	MS21266-5
	6.1mm - 6.6mm	8.1mm	0.192"-0.255"
			4.9mm - 6.5mm

NASM22529/2

	Sheet Thickness T	Width W	Corresponds to
Size 1	0.025" - 0.036"	0.20"	MS21266-1
	0.6mm - 0.9mm	5.1mm	0.015"-0.052"
			0.4mm - 1.3mm
Size 2	0.036" - 0.063"	0.20"	MS21266-2
	0.9mm - 1.6mm	5.1mm	0.052"-0.085"
			1.3mm - 2.2mm
Size 3	0.059" - 0.074"	0.20"	MS21266-2
	1.5mm - 1.9mm	5.1mm	0.052"-0.085"
			1.3mm - 2.2mm
Size 4	0.070" - 0.093"	0.24"	MS21266-3
	1.8mm - 2.4mm	6.1mm	0.085"-0.128"
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	2.7mm - 3.4mm	6.1mm	0.085"-0.128"
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Size 7	0.178" - 0.198"	0.32"	MS21266-4
	4.5mm - 5.0mm	8.1mm	0.128"-0.192"
			3.3mm - 4.9mm
Size 8	0.240" - 0.260"	0.38"	MS21266-5
	6.1mm - 6.6mm	9.7mm	0.192"-0.255"
			4.9mm - 6.5mm

NASM22529/3

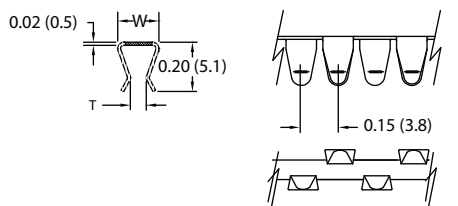
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NSNs available on the website

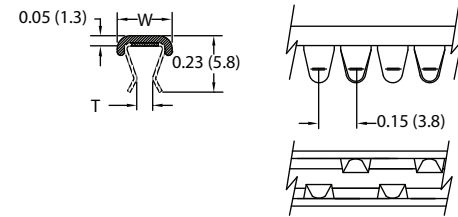
Cut Lengths

Nominal Hold Diameter		Cut Lengths		Number of Castles
Inches	mm	Inches	mm	
2.00	50.8	6.00	152.4	40
2.25	57.2	6.90	175.3	46
2.50	63.5	7.65	194.3	51
2.75	69.9	8.40	213.4	56
3.00	76.2	9.15	232.4	61
3.25	82.6	10.05	255.3	67
3.50	88.9	10.80	274.3	72
3.75	95.3	11.55	293.4	77
4.00	101.6	12.30	312.4	82
4.25	108.0	13.20	335.3	88
4.50	114.3	13.95	354.3	93
4.75	120.7	14.70	373.4	98
5.00	127.0	15.45	392.4	103
5.25	133.4	16.35	415.3	109
5.50	139.7	17.10	434.3	114
5.75	146.1	17.85	453.4	119
6.00	152.4	18.60	472.4	124

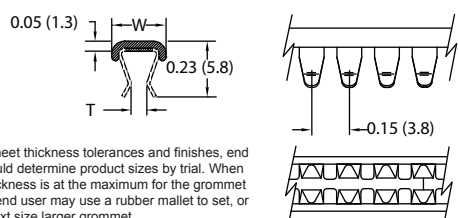
M22529/1 Grommet



M22529/2 Grommet



M22529/3 Grommet



Due to sheet thickness tolerances and finishes, end user should determine product sizes by trial. When sheet thickness is at the maximum for the grommet chosen, end user may use a rubber mallet to set, or try the next size larger grommet.

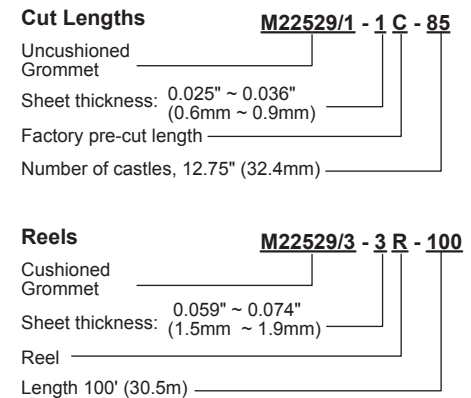
Ordering Options:

Reels of 25' (7.6m) & 100' (30.5m)
Factory pre-cut lengths
Customization available

Key Installation Tools:

- #830HP High Performance Full Bypass shears
- #830PS Full Bypass Shears
- #840R Roll-Fast™ installation tool
- #880G Go/No Go edge width gauge
- #860GSB Cut to length scale
- #830TK Complete Installation Tool Kit

Ordering Examples



AS9100D / ISO 9001:2015 • Certificate Registration No. 74 300 4935

Certified Vendor to Fortune 100 & 500 OEMs, JIT w/ MAJOR OEMs Worldwide, supported by International Distribution



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