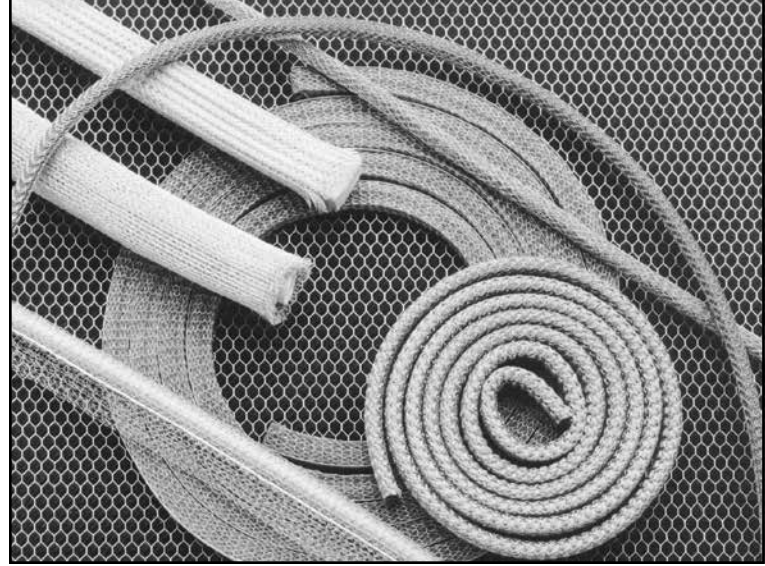


Knitted Mesh Over Elastomer Core

MAJR's Mesh Over Elastomer Core gaskets offer the shielding effectiveness you can expect from a metal woven mesh gasket but also allows the gasket to compress in a way that you won't find with a typical all mesh gasket. You can pick from a variety of material combinations depending on what sort of compression and shielding characteristics are needed for your specific application.

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Features

- **Excellent Resiliency:** With an elastomer core there is assurance of continued pressure over the entire length of the gasket.
- **Moisture and/or Dust Protection:** With two covers of mesh over an elastomer, the elastomer under pressure protrudes through the mesh to give sealing protection.
- **Wide Range of Materials:** The designer can choose from a wide range of materials to satisfy EMI requirements while providing for corrosion protection and sealing criteria. See next page for materials.
- **Excellent Attenuation Characteristics:** The MAJR elastomer core shielding strip gives a high degree of attenuation in the H-Field, E-Field, as well as plane wave. The attenuation varies from over 95-100 dB in the E-Field to 35-85 dB in the H-Field.
- **Versatility of Mounting Methods:** The enclosure engineer has the option of using a groove design for holding the strip or using the mesh fin as a convenient way of strip mounting.

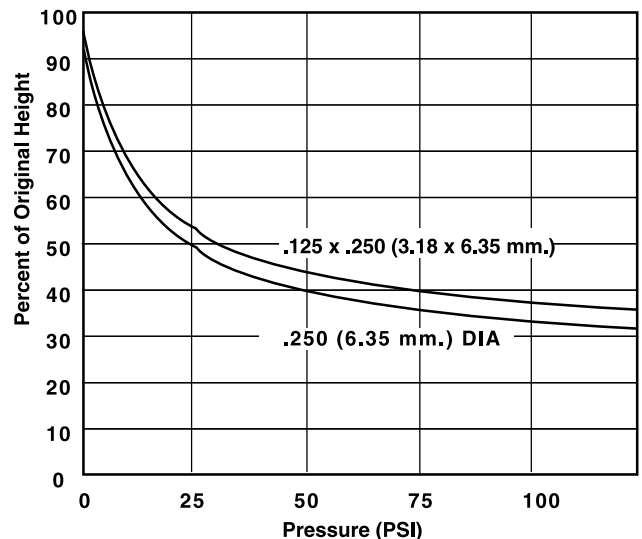
Technical Information

Shielding Effectiveness vs Frequency — Table 1

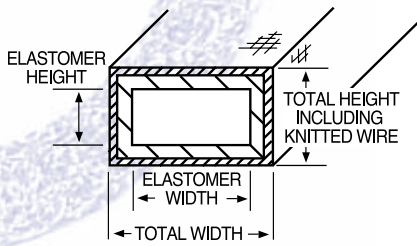
Field	Material Code -02-04							
	Frequency							
	10 kHz	100 kHz	1 MHz	18 MHz	100 MHz	400 MHz	1 GHz	10 GHz
H	35	45	65	—	—	—	—	—
E	—	—	—	95	—	—	—	—
PW	—	—	—	—	95	85	75	65

Field	Material Code -10-12							
	Frequency							
	10 kHz	100 kHz	1 MHz	18 MHz	100 MHz	400 MHz	1 GHz	10 GHz
H	45	60	85	—	—	—	—	—
E	—	—	—	100	—	—	—	—
PW	—	—	—	—	95	85	80	70

Pressure vs Height Deflection — Figure 1



Rectangular Shaped Gasket - Sponge Elastomer



Standard Elastomer Core
Shielding Strip

Table 2

Elastomer Height	Elastomer Width	Total Height	Total Width	Part Number
.125 (3.18)	.125 (3.18)	.160 (4.06)	.160 (4.06)	1510-12012-XX
.125 (3.18)	.188 (4.78)	.160 (4.06)	.225 (5.72)	1510-12019-XX
.125 (3.18)	.250 (6.35)	.160 (4.06)	.285 (7.24)	1510-12025-XX
.188 (4.78)	.188 (4.78)	.225 (5.72)	.225 (5.72)	1510-19019-XX
.250 (6.35)	.250 (6.35)	.285 (7.24)	.285 (7.24)	1510-25025-XX
.250 (6.35)	.500 (12.70)	.285 (7.24)	.535 (13.59)	1510-25050-XX

Round Section - Sponge Elastomer Core

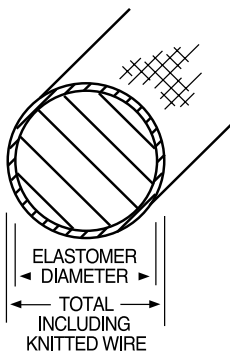


Table 3

Elastomer Diameter	Total Diameter Over Wire	Part Number
.062 (1.57)	.098 (2.49)	1511-06000-XX
.125 (3.18)	.160 (4.06)	1511-12000-XX
.188 (4.78)	.225 (5.72)	1511-19000-XX
.250 (6.35)	.285 (7.24)	1511-25000-XX
.312 (7.92)	.348 (8.84)	1511-31000-XX
.375 (9.53)	.410 (10.41)	1511-38000-XX
.500 (12.70)	.535 (13.59)	1511-50000-XX

Single Fin Section - Sponge Elastomer Core

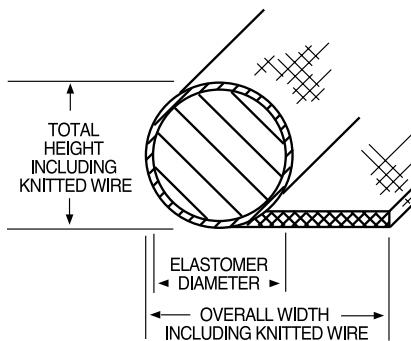


Table 4

Elastomer Diameter	Total Height	Overall Width	Part Number
.125 (3.18)	.160 (4.06)	.500 (12.70)	1512-12050-XX
.125 (3.18)	.160 (4.06)	.750 (19.05)	1512-12075-XX
.188 (4.78)	.225 (5.72)	.625 (15.88)	1512-19063-XX
.188 (4.78)	.225 (5.72)	.750 (19.05)	1512-19075-XX
.250 (6.35)	.285 (7.24)	.750 (19.05)	1512-25075-XX
.250 (6.35)	.285 (7.24)	1.000 (25.40)	1512-25100-XX
.500 (12.70)	.535 (13.59)	1.000 (25.40)	1512-50100-XX

Note: Hollow core (tubing) is also available.

- XX: -02 Neo Spg/Monel
- 04 Sil Spg/Monel
- 10 Neo Spg/Tin-Steel
- 12 Sil Spg/Tin-Steel