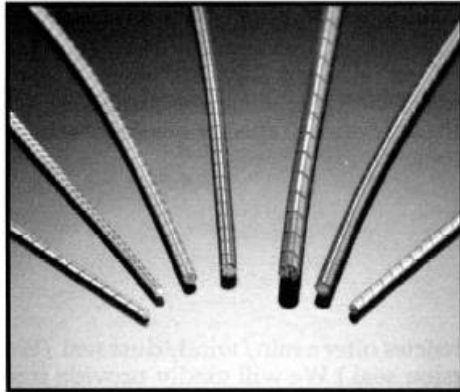
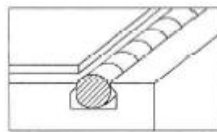


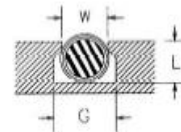
Enduro Shield



This gasket uses our high shielding tin/lead plated beryllium copper Spira-Shield as its base. We inject a liquid silicone adhesive into the center of the spiral, which hardens and bonds completely to the metal, making this gasket extremely durable when properly used.



See page 40 for groove mounting techniques.



Outer Conductive Spiral
(Tin/Lead Plated Beryllium
Copper)

Resilient Inner
Core (Silicone)

Endur-o-Shield Part Numbers (Tin/Lead Plated Beryllium Copper)				Recommended Groove Dimensions		
Diameter	Standard Force	Moderate Force	Low Force	Depth (L) +.002" -.000"	Width (G) +.007" -.005"	Width (W) +.000" -.002"
.034" ± .002"	SISS-02	SIMS-02	Some sizes available Please call for details	.023"	.046"	.033"
.047" ± .002"	SISS-03	SIMS-03		.035"	.063"	.045"
.063" ± .003"	SISS-04	SIMS-04		.046"	.094"	.060"
.070" ± .003"	SISS-.070	SIMS-.070		.053"	.094"	.067"
.078" ± .003"	SISS-05	SIMS-05		.059"	.109"	.075"
.094" ± .004"	SISS-06	SIMS-06		.070"	.125"	.090"
.103" ± .004"	SISS-.103	SIMS-.103		.077"	.141"	.099"
.109" ± .004"	SISS-07	SIMS-07		.082"	.156"	.105"
.125" ± .004"	SISS-08	SIMS-08		.094"	.171"	.121"
.139" ± .005"	SISS-.139	SIMS-.139		.104"	.187"	.134"
.141" ± .005"	SISS-09	SIMS-09	.105"	.187"	.134"	

Dovetail Groove Cutters detailed on page 30

Application Information

Because of its durability, this gasket is ideal for groove-mounted sliding applications, such as in connectors. This gasket material is used in our Spira-Seal O-Rings and Connector-Seal gaskets (see pages 19 and 21 respectively).

Materials

See page 53 for material specifications.

Spiral: Tin/lead plated beryllium copper.

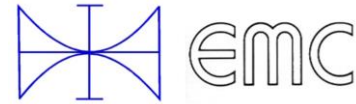
Inner Core: Cured silicone adhesive.

Shielding Quality

This gasket offers shielding quality from 117 dB to 152 dB. The shielding quality may vary depending on your specific application. Refer to page 40 for more complete performance data.

Seite 1 von 2

Obwohl wir davon ausgehen, dass die Informationen in diesem Datenblatt den Tatsachen entsprechen, dürfen diese weder als Garantiedaten verstanden werden, für welche die Firma Emc-Technik & Consulting GmbH die gesetzliche Haftung übernimmt, noch als Erlaubnis oder Empfehlung, jedwede patentierte Erfindung ohne entsprechende Lizenz anzuwenden. Die Wahrheitsfindung obliegt dem Anwender. Technische Änderungen bei gleicher oder verbesserter Funktion vorbehalten. Technische Änderungen bei gleicher oder verbesserter Funktion vorbehalten.

**Compression Force**

Endur-o-Shield gaskets come in two different resiliencies shown below. Optimal compression of the gasket is 25% of the diameter of the spiral. Since the force to compress the gasket is a function of the cube of the thickness of the beryllium copper ribbon, the compression forces shown are approximate. Some sizes are also available in low force. Please call us for information.

Standard Force: 30 pounds per linear inch compression.

Moderate Force: 10 pounds per linear inch compression.

Mounting

This gasket is groove mounted.

Available Options**Custom Sizes**

We can manufacture Endur-o-Shield gaskets in any size diameter, from .034" up to .141". There may be a nominal tooling charge for special sizes. Please call us with your requirements.

Spiral Material

Stainless steel spiral may be specified in the following way.

Replace **SISS** with **SINI** for standard force stainless steel spiral.

Replace **SIMS** with **SINM** for moderate force stainless steel spiral.

Plating

See page 54 for material compatibility information.

The beryllium copper is typically electroplated, 90% tin, 10% lead per AMS-P-81728. This leaves the edges unplated. To specify edge plating add "E" to the beginning of the part number. Special platings such as cadmium, gold and others are available on special request.

E: Edge Tin/Lead Plating (Use in high humidity or salt fog environment)

Special Core

A special core can be specified by using the following option.

/F: Fluorosilicone

/O: Silicone that meets outgassing requirements

/Z: Silicone which is a non-acetic acid adhesive (per MIL-A-46146)

RoHS Konformitäts-Erklärung

Dieses Produkt hält die EU Richtlinie 2015/863/EU (Restriction of Hazardous Substances 3) sowie 1907/2006 REACH ein und ist bleifrei.

