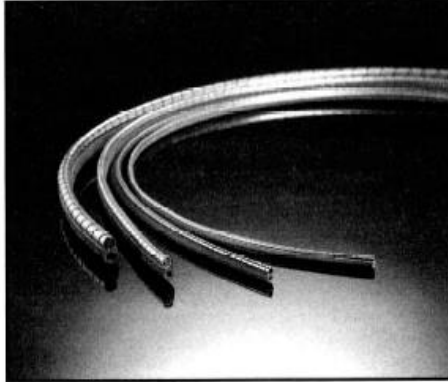
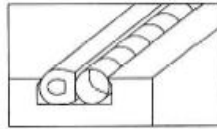


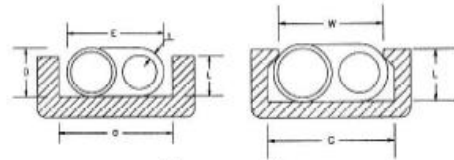
D-Multi Seal



This gasket combines our tin/lead plated beryllium copper Spira-Shield with a bulbous silicone elastomer for superior shielding quality and an excellent environmental seal.



See page 45 for groove mounting techniques.



You can use either a dovetail or conventional o-ring groove.

Gasket Dimensions			"D" Multi-Seal Part Numbers		Recommended Mounting Dimensions		
Width of Gasket (E)	Spiral Diameter (D)	Thickness of Wall (t)	Standard** Force	Moderate Force	Depth (L)	Width (G)	Width (W)
.141"	.063" ± .003"	N/A*	DSS-0421	DMS-0421	+.002" -.000"	+.007" -.005"	+.000" -.002"
.187"	.094" ± .004"	N/A*	DSS-0632	DMS-0632	.070"	.250"	.180"
.250"	.125" ± .004"	.031"	DSS-0842	DMS-0842	.094"	.313"	.240"
.375"	.187" ± .006"	.047"	DSS-1263	DMS-1263	.140"	.500"	.367"
.500"	.250" ± .007"	.047"	DSS-1684	DMS-1684	.188"	.625"	.485"

*These sizes come with a solid elastomer.
**Standard force gaskets come without a cord.

For groove cutter information see page 30.

Application Information

This combination EMI and environmental gasket is ideal for applications that need excellent sealing and have somewhat limited space or want to utilize a groove-mount solution. (For surface mount applications, see the Basic Multi-Seal data sheet, page 18.)

Materials

See page 53 for material specifications.

Spiral: Tin/lead plated beryllium copper.

Elastomer: Solid silicone rubber, 40 durometer on -0421 & -0632; 60 durometer on all other sizes.

Shielding Quality

This gasket offers shielding quality from 86 dB to 165 dB. The shielding quality may vary depending on your specific application. Refer to page 40 for more complete performance data.

Compression Force

"D" Multi-Seal 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.

Standard Force: 33 pounds per linear inch compression.

Moderate Force: 13 pounds per linear inch compression.

Mounting This gasket is groove mounted.

Available Options

- Spiral Material** Stainless steel spiral may be specified in the following way.
Replace **DSS** with **DNI** for standard force stainless steel spiral.
Replace **DMS** with **DNM** for moderate force stainless steel spiral.
- Endur-o-Shield spiral may be specified in the following way.
Replace **DSS** with **DSISS** for standard force Endur-o-Shield.
Replace **DMS** with **DSIMS** for moderate force Endur-o-Shield.
- Plating** 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.
See page 54 for material compatibility information.
E: Edge Tin/Lead Plating (Use in high humidity or salt fog environment)
- Cord Insert** Standard Force gaskets come without a cord. Moderate force gaskets come standard with a PVC cord to protect the spiral from over-compression during handling and use.
NC: No Cord
- Special Cord** Special cords including solid fluorosilicone, neoprene sponge, solid silicone and thermal plastic rubber are available in some sizes. Please call us for details.
- Special Elastomer** The standard elastomer is solid silicone. A special elastomer can be specified as shown below (available in certain sizes only).
/E: EPDM
/F: Fluorosilicone

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.

