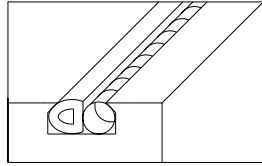


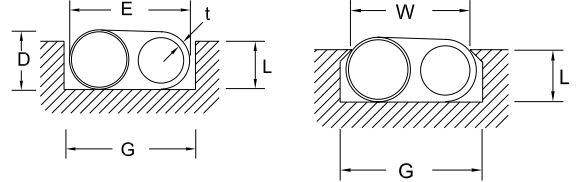
"D" Multi-Seal



"D" Multi-Seal is a groove-mounted gasket with a bulbous silicone elastomer for an excellent environmental seal. It comes standard with the Spira-Shield for superior shielding quality or can be ordered with any other spiral material.



See page 51 for groove mounting techniques.



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

Gasket Dimensions			"D" Multi-Seal Part Numbers (Spira-Shield Gasket)			Recommended Mounting Dimensions		
Width of Gasket (E)	Spiral Diameter (D)	Thickness of Wall (t)	Standard Force*	Moderate Force	Low Force	Depth (L) +.002"- .000"	Width (G) +.007"- .005"	Width (W) +.000"- .002"
.141"	.063" ± .003"	N/A**	DSS-0421	DMS-0421 NC	--	.046"	.187"	.138"
.187"	.094" ± .004"	N/A**	DSS-0632	DMS-0632 NC	--	.070"	.250"	.180"
.250"	.125" ± .004"	.031"	DSS-0842	DMS-0842 NC	--	.094"	.313"	.240"
.375"	.187" ± .006"	.047"	DSS-1263	DMS-1263 NC	--	.140"	.500"	.367"
.500"	.250" ± .007"	.047"	DSS-1684	DMS-1684 NC	--	.188"	.625"	.485"

Moderate force gaskets come without a cord unless specified otherwise. (See Options).

* All standard force gaskets come without a cord.

** These sizes come with a solid elastomer.

See page 51 for groove mounting techniques.

Dovetail Groove Cutters detailed on page 36.

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 15).

Materials

See page 59 for material specifications.

Spiral: Spira-Shield, Tin/lead plated beryllium copper.

Elastomer option: Solid silicone rubber, 40 durometer on -0421, -0632; 60 durometer all other sizes. (See Options for RoHS compliance or other material choices).

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 48 for more complete performance data.

Compression Force

"D" Multi-Seal gaskets comes in two different resiliencies (as 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. Refer to Groove Mounting Techniques on page 51 for detailed mounting information.

Available Options

Spiral Material

See page 60 for material compatibility information.

“D” Multi-Seal comes standard with a tin/lead plated Spira-Shield gasket. Other spiral materials or plating may be specified by choosing a different prefix from the following table. See pages 1-10 for more information on the Spiral materials.

1. Choose the desired gasket from the table on page 13 based on size and force.
Example: **DMS-1263**, moderate force, E=.375”, D=.187”
2. Substitute the prefix from the table below based on spiral material and plating.
Example: **DEMT-1263**, moderate force Flexi-Shield, edge tin/lead plated BC.

Specify a different spiral material by choosing the desired prefix from the table.

Example:
DEIWSS-1263
“D” Multi-Seal
RoHS edge plated
Spira-Shield gasket
Standard force
(No cord by default)

	Spira-Shield	Quick & Ultra Quick-Shield	Flexi-Shield	
Spiral:	Tin Plated BC	St. Steel	Tin Plated BC	St. Steel
Standard: Tin/Lead or No Plating	DSS (default) DMS	DNI DNM	DST DMT	DSQ DMQ
Tin/Lead or Edge Plating Option (T or E)	DESS DEMS	DTNI DTNM	DEST DEMT	DTSQ DTMQ
RoHS Tin Plating Option (IW)	DIWSS DIWMS	DIWNI DIWNM	DIWST DIWMT	DIWSQ DIWMQ
RoHS Edge Tin Plating Option (EIW)	DEIWSS DEIWMS	--	DEIWST DEIWMT	--

Cord Insert

Standard Force gaskets come without a cord and we recommend to omit the cord in all gaskets by specifying “NC” (no cord). Cord is available if needed in PVC, solid fluorosilicone, solid silicone and thermal plastic rubber depending on the size and should be ordered to match the elastomer chosen. Please contact us for details.
NC: No Cord (Example: DMS-1263 NC)

Special Elastomer

The standard elastomer is solid silicone. A special elastomer can be specified as shown below (available in certain sizes only). Note that these elastomers (as with most special options) are non-stock items and will include additional charges.

/E: EPDM* (Example: **DMS-1263 /E**)

/F: Fluorosilicone*

/O: Space Qualified Silicone* (non-outgassing)

* **Note:** Cord will match elastomer choice if included.

Ordering Information

“D” Multi-Seal is sold by the foot in 10 foot lengths. Custom o-rings are also available. (See page 37). Not all configurations are stock items. Contact us for availability.