

Most of Spira's gaskets can be customized to meet your needs exactly. Below are the common configurations. If you have another type of gasket in mind, please contact us. We will gladly review your gasket design for feasibility before you finalize it.

## O-Rings

### Application Information

O-rings are made using a standard or custom size groove mounted Spira gaskets. O-rings can be used either in circular or rectangular groove applications. We assemble the o-rings either by winding one end of the spiral into the other and soldering (Spira-Shield and Quick-Shield) or using adhesive (Endur-o-Shield, Flexi-Shield and "D" Multi-Seal).



When installing a "D" Multi-Seal o-ring into a rectangular groove, put the corners in first, then press the gasket into the straight sections of the groove. We recommend a corner radius of 1 1/2 times the diameter of the spiral or width of the "D" Multi-Seal gasket.

### Available Options

Custom o-rings can be made from several types of Spira gaskets:

- Spira-Shield
- Quick-Shield
- Ultra Quick-Shield
- Flexi-Shield (See O-Rings for standard sizes)
- Endur-o-Shield (See O-Rings for standard sizes)
- "D" Multi-Seal

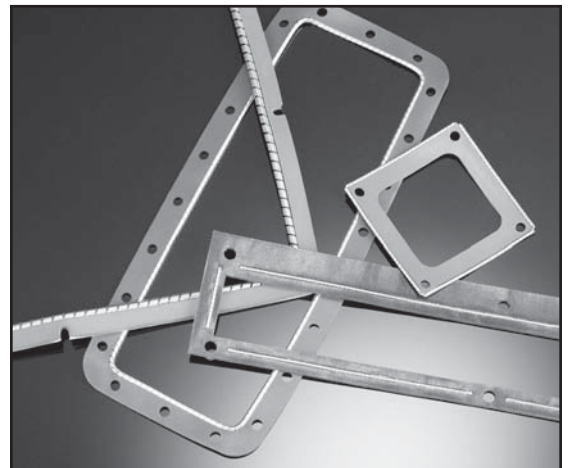
### Ordering Information

Please contact us or send a sketch or drawing which includes the spiral part number, the inside diameter (ID) of the o-ring and the tolerance on the ID.

## Die-cut Gaskets

### Application Information

Die-cut gaskets are made by stamping out a piece of rubber and then attaching one of our types of spiral to it. Die-cut gaskets are economical when sealing the cover of a box at a high volume. They also allow unusual shapes to be sealed more easily. Spiral can be placed inside or outside so the rubber can be correctly oriented to achieve environmental sealing.



## Available Options

Die-cut gaskets can be made using any type of spiral and many types of rubber including those shown below. Other types may be available. Please contact us for more information.

- EPDM
- Neoprene Sponge (adhesive backing mandatory)
- Silicone Sponge (adhesive backing available)
- Solid Silicone (adhesive backing available)
- Solid Fluorosilicone

## Ordering Information

Please contact us with your requirements or send a sketch or drawing (please include tolerances). For solid rubber, we recommend that the rubber thickness be approximately 75% of the diameter of the spiral. For sponge rubber, we recommend the rubber thickness be approximately the same as the diameter of the spiral.

## Framed Gaskets

### Application Information

Framed gaskets are made by forming Spira-Strip, Quick-Strip or Basic Multi-Seal into a rectangle to your specifications. The corners are miter cut and glued. The spiral can be attached before cutting the corners (90 degree corners) or after (radius on the corners).

### Available Options

Framed gaskets can be made using the following types of Spira gaskets:

- Spira-Strip
- Quick-Strip
- Basic Multi-Seal

### Ordering Information

Please contact us with your requirements or send a sketch or drawing (please include tolerances). Framed gaskets are ordered by the piece.

## Air Vent Honeycomb Filters

### Application Information

Shielded Air Vent Honeycomb Filters are designed to provide shielding while allowing cooling air to penetrate an electrical equipment cabinet. Many custom options are available (some shown below). For standard configurations, please refer to Shielded Air Vent Honeycomb Filters.

### Available Options

Some of the available custom options include:

- Dust filter
- Round filter
- Chamfered corners
- Custom extrusion frame

### Ordering Information

Please contact us with your requirements or send a sketch or drawing (please include tolerances). Honeycomb filters are ordered by the piece.

**Note:** Honeycomb Fan Filters also come in custom sizes. Please see page 31.