

## Sensor-Ring Circular Sensing Edge

A pressure sensitive safety edge that provides an exact fit for circular geometries and is available as a full or partial circle

The **Sensor-Ring Circular Sensing Edge** from Tapeswitch offers a unique and effective solution for applications requiring a large curved or circular sensing element. It replaces multi-piece, multi-switch solutions with a single, curved, pressure sensitive sensing edge that provides contact closure at any point. The hollow-ring design permits pass-through of wires, components, or personnel.

The Sensor-Ring Pressure Sensitive Safety Edge is constructed with a Santoprene TPE housing which is resistant to water, oil, hydraulic fluids, and coolants. It is available in partial or full circle models with diameters up to 5 ft. Mounting can be customized to suit the application. All Sensor-Ring Sensing Edges are supplied with [4-lead fail-safe](#) wiring and are compatible with Tapeswitch [Safety Controllers](#).



### Features & Benefits

- Exact fit for circular geometries
- Diameters 2.5 to 5 ft. in partial or full circle
- Continuous switch activates at any point
- 0.75 in. of cushioned over travel
- Hollow center permits pass-through
- [4-lead fail-safe](#) wiring is standard

### Typical Applications

Safety sensing or activation for:

- Medical scanners
- Large rotating machinery
- Multi-station turntables
- Automatic inspection equipment
- Any curved sensing application

### Options

- Sensing on up to 3 sides
- Multiple sensing zones
- Application-dependent mounting options
- Choice of back, end or side lead exit
- Stainless steel armored cable available

### Specifications for the Sensor-Ring Circular Sensing Edge

Diameter	2.5 ft to 5.0 ft
Circular Segment	10 to 360 degrees
Actuation Force	Less than 10 lb (44 N) nominal
Overtravel	0.75" (19 mm) after activation
Recommended Voltage & Current	28 Vac or Vdc at 1.0 amps max.
Exterior Housing	Santoprene TPE
Environment	IP67, -10 to 140 °F (-23 to 60°C)

Contact Tapeswitch with your application requirements.