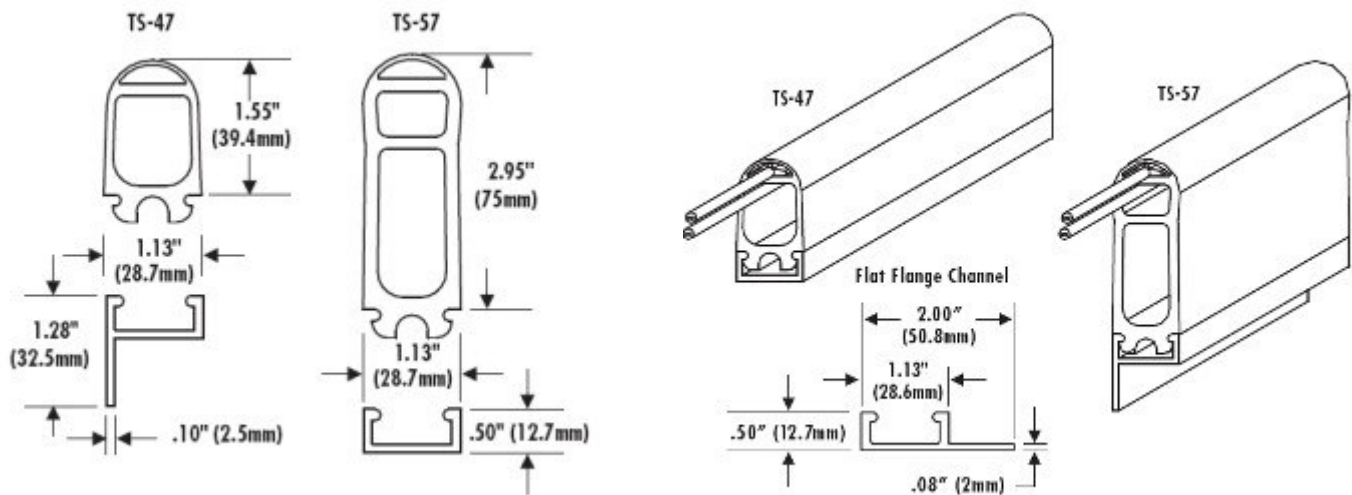


## TS-47 & TS-57 Sensing Edges

**High sensitivity, pressure sensitive safety edges with no compliance for fastest activation and substantial overtravel for maximum cushioning**

Tapeswitch **TS-47 & TS-57 Sensing Edges** are designed for powered doors and other applications requiring the most sensitive switching and the fastest activation. These two pressure sensitive safety edges differ mainly in overall height and the amount of overtravel cushioning. Mounting is by means of snap-in channel that is available in three configurations: flat (aluminum or PVC) and with a straight or right-angle flange (aluminum only).

The Santoprene TPE housings of these sensing edges are resistant to water, oil, hydraulic fluids, and coolants. The internal switching elements are rated for 3 million operations at any point. All TS-47 and TS-57 pressure-sensitive safety edges are supplied with [4-lead fail-safe](#) wiring and are compatible with Tapeswitch [Safety Controllers](#).



Show me a **TS-47** in  
["Drawing"](#) ["Black"](#) ["Red"](#)

Show me a **TS-57** in  
["Drawing"](#) ["Black"](#) ["Red"](#) ["Yellow"](#)

### Features & Benefits

- High sensitivity with no compliance for fastest activation
- Substantial overtravel provides maximum cushioning after activation
- Specifically designed for powered doors and gates
- [4-lead fail-safe](#) wiring is standard

### Typical Applications

- Obstruction detection on high-speed, gym doors, and moving partitions
- Side bumpers on AGVs and mobile platforms or machinery
- General sensing applications requiring fast response and protective cushioning

## Specifications for TS-47 & TS-57 Sensing Edges

Actuation Force	1.2 lbs (5.3 N) nominal
Overtravel	1.0" (25 mm) after activation for TS-47 2.4" (61 mm) after activation for TS-57
Recommended Voltage & Current	28 Vac or Vdc at 1.0 amps max.
Lead Wiring	2 x 20/2 AWG, Dri-Run, 72" long, 3/16" dia.
Exterior Housing	Santoprene TPE
Available Lengths	6 in to 16 ft
Environment	IP67, -30 to 170°F (-34 to 77 °C)
Mounting Options	Aluminum channel (flat or flanged) PVC channel (flat only)